THE FLORIST'S EXCHANGE

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A WEEKLY MEDIUM OF INTERCHANGE

—FOR—

FLORISTS, NURSERYMEN

SEEDSMEN

AND THE TRADE IN GENERAL

ESTABLISHED IN 1888

INDEX TO VOLUME XII

1900

NEW YORK

2, 4, 6 AND 8 DUANE STREET (RHINELANDER BUILDING)

1900

634.705
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FLOR

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SPIRÆA COMPACTA MULTIFLORA

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NEW FLOWER SEEDS FOR SEEDSMEN AND FLORISTS

ASTER Semple's Branching, mixed, 50c. per oz.; $6.00 per lb. Semple's Shell Pink, white and red, 75c per oz.; $8.00 per lb. Truffaut's Imp. Peony Flowered, mixed, 75c per oz.; $8.00 per lb. Improved Victoria; mixed, fine for cutting, trade pkt., 25c.; $1.25 per oz.

AMPELOPSIS VEITCHII 10c per oz.; 75c. per lb.

CLEMATIS PANICULATA 50c per oz.; $5.00 per lb.

PANSY J. & S. Kingly collection, prize strain, half trade pkt., 30c.; trade pkt, 50c.; $5.00 per oz.

SALVIA SPLENDENS (Floracraft strain), trade pkt, 20c.; $1.00 per oz; $12.00 per lb.

CLARA BEDMAN, trade pkt., 40c.; $2 per oz.

NASTURTIUM Tom Thumb, mixed, 50c. per lb.; $15.00 per 100 lbs.
Tall, mixed, 45c. per lb.; $10 per 100 lbs.

ENGLISH MUSHROOM SPAWN New shipment, 25 lbs. at 7c.; 100 lbs., $6.50; 1000 lbs., $60.00

LILY OF THE VALLEY PIPS Berlin sand-grown, three years old, large crowns, $10.00 per 1000; per case, 2500, $23.00. Add 8c. per lb. for postage.

JOHNSON & STOKES, Seedsmen, 217 and 219 Market St., **PHILA., PA.**

Mention the Florists' Exchange when writing.

FOR PRESENT SOWING

Strictly high class, new crop flower seeds of choicest, most carefully selected strains, for florists' use.

PANSY, VAUGHAN'S INTERNATIONAL MIXTURE, which is better now than ever. Trade pkt., 50c.; ¼ oz., $1.50; ¼ oz., $2.50; oz., $10.00.

PANSY, VAUGHAN'S GIANT MIXTURE, contains all the separate colors of Trimardeau, Cassler, Bugnot and a number of new colors. Trade pkt., 25c.; ⅛ oz., 60c.; ¼ oz., $1.00; oz., $4.00; ¼ lb., $14 00.

PANSY, TRIMARDEAU, mixed. Trade pkt, 10c., ¼ oz., 30c.; oz., $1.00; ¼ lb., $3 00.

PANSY CHICAGO PARKS MIXTURE, trade pkt., 10c.; ⅛ oz., 30c.; oz., $1.00; ¼ lb., $3.00.

BROWALLIA SPECIOSA MAJOR (Giant Browallis). Trade pkt., 25c.

DAISY, VAUGHAN'S MAMMOTH WHITE, MAMMOTH PINK AND MAMMOTH MIXED. Each, trade pkt., 25c.

DAISY, SNOWBALL AND LONGFELLOW. Each, pkt., 15c.

CENTAUREA GYMNOCARPA. Trd. pkt. 10c.; oz. 40c.

CENTAUREA CANDIDISSIMA. 1000 seeds, 25c.; oz., $1.00.

DRACAENA INDIVISA. Oz., 30c. lb., $2.50.

FERN SEEDS, Adiantum, Nephrolepis, Pteris, etc. Trade pkt., 50c.

HELIOTROPE, LEMOINE'S GIANT. Trd. pkt., 25c.

LOBELIA SPECIOSA. Trade pkt., 10c.; ¼ oz., 25c.
" **CRYSTAL PALACE COMPACTA.** Trade pkt., 25c.; ¼ oz., 50c.

LOBELIA BEDDING QUEEN, deep blue. Pkt., 25c.
" **WHITE LADY.** Dwarf white. Pkt., 15c.
" **SUTTON'S GEM.** White, pink or blue. Each, trade pkt., 20c.

MIGNONETTE MACHET, true. Pkt., 10c.; oz., 40c.

DAISY BISMARK, new. An improved Machet. Pkt., 15c.; ¼ oz., 30c.

PETUNIA HYB., BLOTCHED AND STRIPED. Trade pkt., 10c.; ¼ oz., 25c.

PETUNIA, "VAUGHAN'S BEST" Mixture of large-flowering, none better, includes all the fringed sorts, as well as Giants of California and other choice strains. Trade pkt. (1000 seeds), 50c.; 3 pkts. for $1.25.

PETUNIA, VAUGHAN'S DOUBLE MIXED, extra fine, 600 seeds, $1.00.

PETUNIA, DOUBLE WHITE AND DOUBLE FRINGED WHITE. Each, 250 seeds, 50c.

PRIMULA FORBESI. "Baby Primrose." 500 seeds, 25c.

PRIMULA FORBESI COMPACTA, new, 500 seeds, 35c.

SALVIA SPLENDENS. Clara Bedman. Pkt., 25c.
" " Drooping Spikes, ¼ oz., 25c.
" " New Crimson. Pkt., 25c.

PRIMULA OBCONICA GRANDIFLORA AND ROSEA. Each, trade pkt., 25c.

STOCKS, large flowering, ten-week, white, pink, blood red, crimson, light blue, purple, canary yellow and extra choice mixed. Each, trade pkt., 25t.; any 5 for $1.00.

THUNBERGIA, mixed. Oz. 30c.; pkt., 10c.

TORENIA FOURNIERI COMPACTA AND WHITE WINGS. Each, trade pkt., 25c.

VINCA ROSEA, Alba, Alba Pura and mixed. Each, trade pkt., 10c; oz., 60c.

VERBENA, MAMMOTH MIXED. Trade pkt., 10c.; ¼ oz., 25c.; oz., $1.00.

VERBENA, white, scarlet, striped, purple. Each, trade pkt., 10c.; ¼ oz., 25c.

VERBENA, "VAUGHAN'S BEST" MIXTURE contains all the best colors and strains of Verbenas that are in existence. It is one of those mixtures like our International Pansy, Best Petunias, etc., that cannot be duplicated elsewhere. Trade pkt., 25c.; ¼ oz., 60c.; oz., $2.00.

We allow a discount of 10 per cent. on orders for flower seeds for $2 00 and over for cash with order.

For other seeds, send for our complete Flower Seed List.

TUBEROSE BULBS

Excelsior Dwarf Pearl.

True Hallock Strain.

New York—VAUGHAN'S SEED STORE—Chicago

Mention the Florists' Exchange when writing.

Commercial

See Advertisement Page 21. **Violet Culture**



European Notes.

A miserably cold and wet thaw has followed the sharp touch of frost, reported in last week's notes, and at the time of writing we are enjoying very seasonable weather, in the form of snow. This will not do the plants any harm, but it hinders other and very important work, in connection with the dispatch of goods, and the lack of steamers is now causing serious delay.

It is to be regretted that not one of the many American sweet pea experts is included in the committee for the 1900 Exposition and Conference; if this be not remedied it will be a case of "Hamlet" without the leading character. The work to be done is of such an important character that it should be done in the most complete manner possible.

EUROPEAN SEEDS.



Appraisement of California Privet.

Editor Florists' Exchange.

I dislike extremely to be drawn into a newspaper discussion, and would not except for the fact that the comments of Mr. Cornell in your issue of December 30 call in question the veracity of the statement made by me in my letter to the National Nurseryman. Permit me to state that my authority for making the statement that I did in regard to Ligustrum ovalifolium, is Examiner C. S. Lersner, who informed me personally in conversation that he had decided to classify Ligustrum ovalifolium as an evergreen, and consequently subject to the rate provided for by the Dingley Tariff bill upon evergreens. I was not directly interested in the ruling given, but as a nurseryman was interested that our trade should have proper treatment, and it would seem as though my efforts in the press and through the tariff committee of the American Association of Nurserymen had had some effect already.

I do not care to enter into a discussion as to the advisability of importing this plant or any other; but so long as foreign grown nursery stock is subject to a duty upon entering our ports, there can be no question but that every nurseryman is interested in having the laws properly executed. This is not the first instance in which I have known the appraiser at the port of New York to reverse his ruling, and indeed to reverse them again within a very few weeks.

HIRAM T. JONES.

Secretary Smith's Report.

Editor Florists' Exchange.

I notice the American Florist publishes the résumé of the Chrysanthemum Committee's work in its last week's issue. I was very anxious to get these matters closed up before the New Year, and did not take into consideration there would be time for that issue. All the reports were mailed together, and each was accompanied with a letter similar to the one sent you, suggesting the report be issued the first week in January, for which I had allowed ample time for the compositor. I trust this explanation will be satisfactory.

ELMER D. SMITH, Sec'y C. S. A.

[Certainly, the explanation is quite satisfactory This is only one way of our contemporary showing how far its enterprise is ahead of that of its competitors, and the manner in which it gets ahead. We withheld publication of the report in deference to your suggestion. However, it is in good time this week, we think.—ED.]

ONION SEED

CHOICE CALIFORNIAN GROWN.
STRICTLY 1899 CROP. . . .

500 lbs	Yellow Strasburg	$0 70	per lb.
1200 "	Red Wethersfield	70	"
700 "	Prizetaker	1 00	"
1300 "	Yellow Globe Danvers	75	"
250 "	Silver King	1 25	"
900 "	Yellow Flat Danvers	70	"
750 "	Southport Yellow Globe	75	"
300 "	Southport Red Globe	1 30	"
800 "	Early Red Flat	70	"

TERMS—120 days, or 5 per cent. discount for CASH.

PERRY WATSON & CO., SEED GROWERS, SACRAMENTO, CAL.

Mention the Florists' Exchange when writing.

PALM SEEDS

FRESH ON HAND.

	100	1000	3000
Phœnix Tenuis	$0.75	$5.00	$13.50
" Pumila	1.00	8.00	22.50
" Reclinata	.75	5.00	13.50
Pandanus Utilis	1.25	10.00	27.50

L. J SCHILLER, 404 E. 34th Street, New York.

Mention American Gardening when you write.

MICHEL PLANT AND BULB CO.

ST. LOUIS, MO.

ASTER—Semple's Branching.

	Large trade pkt	Oz.
White, Pink, Lavender, Crimson, choice,	$0 25	$1 50
Mixed, choice seed	25	1 00
MIGNONETTE, Machet, select strain	15	50
" Defiance, very large spikes	25	75
SALVIA Splendens (Scarlet Sage)	25	1 25
LOBELIA, Crystal Palace Compacta, dwf. blue	25	2 00
STOCKS, Cut-and-Come-Again	25	2 50
SWEET PEAS, all the popular kinds		05

Write for my prices on what you want.

Wm. H. Brunning, Seed Merchant and Grower, **Rahway, N.J.**

Mention the Florists' Exchange when writing

RAWSON'S

Arlington Tested Seeds

Are now well known to some florists, we want them known to all florists. Special price list sent on application.

W. W. RAWSON & CO., Boston, Mass.

12 and 13 Faneuil Hall Sq.

TUBEROSES—The Pearl

Size, 4 to 6 inches circumference,

Per 1000, **$6.50 Net.**

CASH WITH ORDER.

HULSEBOSCH BROS., Englewood, N. J.

DANISH CAULIFLOWER SEED.

Early Dwarf Danish Snowstorm, a fine selection from Early Dwarf Erfurt, selected up by my grower for a quarter century. Always uniformly good, solid, large white heads and early.

No matter what you pay, you cannot get a finer strain.

Samples free to Seedsmen. $12 a lb.

A. E. WOHLERT, Importer, Altoona, Pa.

DO YOU WANT THE **BEST?**

We supply Danish grown seed of

Cauliflower and Cabbage Danish Ball Head.

BEST QUALITIES, FINEST STOCK.

CHEAPEST PRICES.

Samples and prices free on application.

L. DAHNFELD, Odenese, Denmark, (Established 1850.)

BARGAINS

In **CALIFORNIA PRIVET, AMPELOPSIS VEITCHII, CLEMATIS PANICULATA SHRUBS and GRASSES.**

Write for Prices.

The Elizabeth Nursery Co., Elizabeth, N. J.

Mention the Florists' Exchange when writing.

ASTER SEED

Tall branching, mixed, choice strain. 75 cts. per ounce

Mignonette Seed. Allen's Defiance, $1.00 per ounce.

Pansy Seedlings. Reck's Strain, 35c. per 100. $3.50 per 1000.

Cash with order from unknown parties.

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

EXTRA CHOICE FLOWER SEEDS.

List free on application.

FRED. ROEMER, SEED GROWER, Quedlinburg, Germany.

Mention the Florists' Exchange when writing.

Sound Calla Roots

in splendid condition. Will supply at following low prices, carefully packed;

¾ to 1¼ inches diameter, per 100.....$2 50
" " " " per 1000.....20.00

Delivered, Express Charges Prepaid, to any United States Address.

GERMAIN FRUIT CO.,

Seed Department, **Los Angeles, Cal.**

Mention the Florists' Exchange when writing.

CALADIUM ESCULENTUM

1st size, $2.00 per 100; 2d size, $1.00 per 100.

Lantanas, Verbenas, Heliotropes, Lemon Verbenas, Geraniums, Chrysanthemums, Carnations, Etc.

Please write for prices, as we have a large supply of some of these and make special prices on same that will surprise you.

R. VINCENT & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

COX SEED CO.

Wholesale Seedsmen

14 & 16 Ninth Ave., 411, 413, 415 Sansome St.,

NEW YORK. SAN FRANCISCO.

Mention the Florists' Exchange when writing

Best Quality at Lowest Rates.

ROMAN HYACINTHS,

NARCISSI, FREESIA,

and other French Bulbs for forcing.

BERNARD SON, 29 Boulevard du Musée Marseille, France.

Bulb Grower and Exporter.

Established 1872. Bulbfields—Hyères, Ollioules.

WHOLESALE ONLY.

Mention the Florists' Exchange when writing.

XXX SEEDS

VERBENA GRANDIFLORA.

The finest strain of Improved Giant Verbenas yet produced, largest flowers and best colors, per pkt., 600 seeds, mixed colors, 50 cts.

CYCLAMEN GIGANTEUM.

The choicest Giant-flowering varieties in best mixture, pkt., 200 seeds, $1.00; half pkt., 50 cts.

PETUNIA DBL. FR'NGED.

The largest and finest Double Fringed and Mottled Petunias to be had, trade pkt., 50 cts.

CHINESE PRIMROSE.

Best large, single and double, 50 seeds, $1.00.

PHLOX DRUM. PUM'.A.

New, very dwarf, perfect beauties, excellent for growing in pots for Spring sales, mixed colors, per trade pkt., 20 cts.

PANSY Finest Giant. Choicest mixed Mammoths, 3500 seed; $1.00; ½ pkt., 50 cts.

A pkt. of New Double Early-flowering Dwarf Vienna Carnation added to every order.

JOHN F. RUPP, Shiremanstown, Pa.

The Home of Primroses.

Mention the Florists' Exchange when writing.



(1) **Roses Not Making Blooming Wood.**—I have a house of roses containing 1000 plants of Bride and Bridesmaid that are not doing as they should; they make very little blooming wood, but a great deal of blind wood. I run the house 58 degrees at night, and 10 to 15 degrees higher in the daytime. The plants are clean and bright. I put a mulch of well-rotted manure on them about six weeks ago, and used liquid manure three times. Two weeks ago I put 25 lbs. of bone meal on them and worked it in the soil. The last week I put another mulch of manure on them. Up till the present I have picked 1000 flowers beginning November 6. Now there are no buds in sight, nor any blooming wood. Oblige by informing me of the cause.—W. S. E.

—That the roses are looking clean and bright and producing wood (even if it is blind) is more than really ought to be expected from them after the over-feeding they have had during the darkest days of the year. We would recommend that the last mulch of manure be taken off again, and nothing but clear water supplied for the next four weeks, as the plants have been undoubtedly over-fed.

(2) **Greenhouse Heating by Exhaust Steam.**—We have between 14,000 and 15,000 feet of glass and at present are heating with steam. Now we have an opportunity of getting exhaust steam from a large pumping station located directly under our ground, in a coal mine. The mining company assures us that this steam will condense 5,000 gallons of water in 24 hours. What we want to know is, will this amount of steam heat our place? If so, how can we control and use it successfully to that end without confining the steam too much, so as to press back to any extent on the pumps. Could we by elevating a tank and passing the exhaust steam through it circulate the water successfully by gravitation through our pipes as at present located, or would we need a specially constructed system of pipes? All our radiating pipes (except one house, which is 2-inch) are 1¼-inch. If this hot water will be sufficient to heat our place with the pipes as now located, would we have enough pipes to do it, or would we have to put in more, and if so what per cent. additional? —B BROS., Pa.

—Any attempt to use the water from the condensed steam would probably result in disappointment, as it would be insufficient to provide the necessary heat, even though a considerable increase in the radiating surface is made. It would also be difficult to control The use of the steam itself would be more satisfactory, but this would probably requrie the use of larger mains and returns, as well as an increase of 25 per cent in the radiating surface, although this cannot be determined without knowing the temperature desired in the houses. The pipes should all run down hill, and a trap and valve should be placed at the end of each return, unless they can be connected, when only one trap will be required.—L. R. T.

Among New York Growers.

Among the foremost wholesale plant growers surrounding New York is Anton Schultheis, whose greenhouses are located at College Point, L. I. Although it is only some two or three years since Mr. Schultheis decided to change from the wholesale growing of cut flowers to that of flowering and decorative plants, such has been his success (through growing good stock and judicious advertising) that his plants are eagerly sought after by the largest retailers in the country, and, previous to a holiday, everything salable is disposed of beforehand. College Point being within 40 minutes journey of the central part of New York City, makes it very convenient to buyers who wish to inspect plants before purchasing.

At the time of our visit, January 2, we found that the holiday trade had been well up to expectations, and everything prepared for that period had been cleared out. The number of azaleas, ardisias, heaths, oranges and cyclamens grown had been quite large, but all had been disposed of. Preparations are already under way for Easter with regard to lilies and other bulbous flowers, but in hard-wooded plants a constant supply has to be kept, and these are to be seen in all stages of growth. Some choice colors in heaths are showing bloom; these are the result of careful personal selection on the other side of the Atlantic and will be heard from later.

For the Easter trade, the collections of azaleas and rhododendrons show some fine specimens, and the heaths are in several varieties and colors. Hybrid roses in vast quantities are, with small-sized heaths, located yet in frames, and will be housed within the next few days. Hydrangeas are just breaking, and most of these are large specimens. The extensive palm house contains many fine plants, and on the side benches are seen many thousand seedlings. Genistas and acacias are grown in numbers also, but are being kept in check for Easter.

In Dutch bulbs 100,000 are planted, and, instead of burying outside, are stored away on shelves in a storage house built specially for the purpose. This house, or shed, can be kept at the required temperature, and the boxes or pans are always accessible. The plan is much to be preferred over the old method of burying the bulbs in trenches outdoors.

Winter Protection for Herbaceous Plants.

A large majority of our perennials may endure the severest cold without suffering, but oft-repented alternate freezing and thawing acts destructive on the dormant crowns and buds. The delicate and lovely alpines, in their native habitat, are provided by Nature with a lasting covering of snow from November to March or April; this protecting sheet is removed only slowly and by degrees with the approach of Spring, when the sun gradually gains in power. The soil in which they grow is frozen hard and solid; the plants are perfectly dormant; no great or sudden changes in temperature set in from first to last; once at rest they remain dormant throughout the long Winter, and they come out strong and vigorous as soon as their tops are exposed to sun and light. With us conditions are quite different; we have snow and cold weather for a few days or weeks at one time; the ground is frozen and covered with the protecting sheet, which should preserve them from all harm, but unfortunately a change sets in, a few milder days will cause the melting of the snow and thaw out the soil. If this mild spell continues for a week or so, the buds, crowns and roots will begin to show unmistakable signs of life; another subsequent hard frost will destroy these premature efforts of growth, the vitality of the plants is weakened, and the too frequent repetition of such trying changes in temperature may kill all crowns and buds, and often also the roots, of the most hardy plant.

It is an established fact that in shaded positions the plants do not suffer seriously in Winter, even if fully exposed to our most rigorous and drying winds; but the same class of plants would often be injured beyond recovery in another part of the grounds, where the sun is liable to thaw out the soil surrounding them, though the Winter may not have been a very severe one. It is, therefore, principally the repeated thawings which we should try to prevent, not the actual freezing of our plants or their roots; and Nature points out to us the means by which we may preserve them under all conditions. Shading the ground in one way or another is usually an ample protection; under bulky or heavy close packing coverings they are liable to decay—a light application of straw, long strawy manure, or any kind of light loose litter spread evenly over the ground, will, in most cases, effectually prevent frequent alternate freezing and thawing. During the first half of the Winter plants rarely suffer; it is after January, when the sun's power is on the increase, that the injury is wrought. The protection is most needed on the approach of Spring, and therefore we are not wrong to delay the application of a covering until mid-winter or even a later period.

Mulching and covering the plants is usually considered as part of the regular Fall work, but a safer plan would be to delay this performance until the ground is frozen quite hard—not merely to the depth of an inch or two, but real solid—because the warmth of the lower soil, together with the applied coat of unfrozen covering material, would often be sufficient to thaw out what little frost there is between them, especially when the work has been performed during a spell of moderate weather. Thick covering should be avoided on all plants which show above ground; the evergreen class of low and spreading perennials rarely require any protection whatever, except in positions fully exposed to the sun; and here evergreen boughs of some sort are superior to any other material, admitting a free circulation of air at all times. Creeping and densely tufted evergreen plants afford their taller neighbors, in a border or bed, an effectual protection after being well established, by keeping the ground close up to them shaded; it takes some days of mild weather to soften the soil beneath these dense mats. Wherever possible these dwarf creepers and trailers should be introduced. Some of our so-called half-hardy perennials will Winter safely over in a thickly carpeted bed of cerastium, aubrietias, arabis, or erysimum, etc., without additional covering, while under ordinary conditions we should be obliged to afford them the protection of a cold frame or house.

A large number, we may say even the majority, of our hardy perennials do not need artificial protection under ordinary and natural surroundings; the old foliage and broken-down flower stems, together with a few leaves which the wind chances to scatter and lodge between them, is amply sufficient for their safety; but in a well-kept garden we remove all decaying foliage and stems for the sake of neatness, robbing the plants thereby of their means to protect themselves against the rigors of the Winter, and we should therefore provide them with a Winter protection similar to that which we have removed, and which is in no case a very heavy or bulky coating.

Experience also teaches us that a very large number will safely go through the Winter even though the ground be left bare and the crowns fully exposed to changes and extremes in temperature; but we are inclined to advocate a slight covering for all such stock, as it acts beneficial in preserving the roots and prevents premature starting of growth; but it should not be overdone or administered too early in the season.

DOUGLASS HILL.



Packing Violets.

Dorsett Leatherette Shipping Box open.

Packing Violets.

It is customary in shipping to pack either in return or gift boxes. Great care must be exercised to make the packages attractive, both on the outside and inside. The more common practice is to use return wooden boxes with hinged lids, each box holding from a thousand to one thousand five hundred flowers. The bunches as they are taken from the water have the stems wrapped in soft tissue paper. The stems are then dipped in water again and the bunches packed closely in the box, stems down. When properly packed the flowers should not shake or mash. Finally the boxes are sealed and are labeled with the grower's name and address.

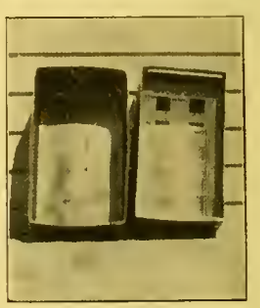
Before beginning the packing, the boxes are lined with newspapers, with oiled paper next to the flowers. In Winter great care has to be exercised to keep the flowers from freezing. It is often necessary to line the boxes with six or seven thicknesses of newspaper in order to keep out frost. In some cases felt is used, but newspapers, being always at hand, are more convenient, and besides are just as serviceable, and in some respects more desirable.

In some cases a plan of packing flowers in wooden boxes provided with trays is followed. Such trays are made about 2 inches deep and have wire netting on the bottom. The mesh of the netting must be of sufficient size to allow the stems to project through. These make excellent shipping boxes, and by arranging two trays in a box, from one thousand to twelve hundred flowers can be shipped in one package. The same precautions to prevent frost injuries must, of course, be exercised in this case. At this point it is well to emphasize the fact that no matter by what railroad the flowers are shipped, extra precautions must be taken to keep out frost. Although the packages may start out in a well heated car it is always difficult to foresee what will happen to them before they reach their destination. It is, therefore, necessary to keep a close watch on weather conditions and make the packing in accordance with what the best judgment is in regard to the likelihood of a cold snap.

Another very satisfactory means of packing flowers has been recently devised by Mr. P. H. Dorsett. Instead of the wooden boxes, he uses ordinary leatherette telescopes, which he has made to order. These are 18 inches long, 10 inches wide, and 7 inches deep. The cover fits over the inside box, and the whole is fastened by a strap at each end. A handle is put on the top so that the package is very easily looked after by the expressmen and others who have to handle it. A wire frame is made to fit inside the box, the meshes of the wire being about half an inch square. Ten holes are cut in the wire, each 2 inches square, to take the bunches of violets. The frame is made 17 inches long, 9 inches wide, and 4 inches deep. The stems of the bunches are inserted into the holes and the 500 flowers packed neatly into the box. These packages save considerable expense in express charges. They are, of course, returned, and, with good usage, will probably last for several seasons. The cost of these telescopes complete, including wire, is about $2 each.

In cold weather a second covering, which slips over the entire box, is used. In addition to this quilts made of cotton batting are used, so that there is about an inch of frost proof material protecting the flowers. As in other cases, the stems of the violets are wrapped in moist tissue paper, and a layer of oil paper, which is put into the box before the flowers are inserted, keeps in the moisture and odor. It has been found by experience that such packages are handled more gently by express men, and the flowers in all cases reach their destination in excellent shape. Once in a while some are lost through frost, but this seldom occurs, except through the carelessness of the railroad people.

The gift boxes, which are not returned to the grower, are usually made of three-eighth-inch pine. They are deep enough for the bunches in an upright position and hold from eight hundred to one thousand flowers. After being packed and carefully nailed they are wrapped with newspapers or other coverings to exclude the frost. These boxes have some advantages, but they also have many disadvantages, chief of which may be mentioned the fact that the violets in them never make as good a showing as where they are in neat packages, such as already described.



Packing Violets.

Shipping Box showing wire screen for holding bunches.

Throughout the entire work every precaution must be taken to keep the flowers away from all foreign odors. A new pine box, for instance, may cause trouble. Any objectionable odor, in fact, either in the box, the paper, or the room where the work is carried on, is apt to be taken up by the flowers and to destroy their sweetness.—From "Commercial Violet Culture," by Professor Galloway.

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN

WILSON J. PETERS, Troy, O., President; D. S. LAKE, Shenandoah, Ia., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

White Caryopteris.—Those familiar with and fond of the blue-flowered caryopteris, which came forward into extensive cultivation several years ago, will be interested in knowing that there is now being offered a white form. Very little is known of it yet, generally, whether or not it is a pretty, clear white and as hardy as the blue (which usually gets cut back more or less in Winter, but without injury to root, and eventually flowering). The caryopteris, by-the-way, is one of those plants which do not improve with age, and one should provide himself occasionally with new stock. It strikes readily from cuttings, and makes an exceedingly pretty, bushy growth the first couple of years, flowering perfectly on small plants. By reason of its bushy, symmetrical growth and late Summer flowering, it is an admirable thing for bordering beds of shrubbery; but in this case especially should plants be renewed occasionally.

Hardy Hedges.—From the coldest localities of the United States complaint comee that the osage orange is not sufficiently hardy, and another deciduous hedge is demanded. The honey locust is quite largely used, and proves to be very hardy; but it is not alwnys satisfactory in a general way—frequently, no doubt, because it lacks experienced handling in pruning. It forms a rather graceful hedge, but some consider it too light. In addition, it is occasionally attacked by a leaf-roller, which shows a preference for it and reduces it very quickly to a sorry state. The English beech would doubtless prove one of the best and hardiest. Naturally of compact and rather slow growth, it adapts itself readily to hedge purposes. In England, it vies with the hawthorn in popularity. The purple-leaved beech has been used and considered very effective in the United States. The English hornbeam, somewhat resembling its relative the beech, also makes a very desirable and novel hedge. My earliest recollections of our old homestead contained one of a fine, large hornbeam hedge.

The Spring Catalogue.—It is advisable that the dealer commence, now, to consider what steps he shall take the coming Spring in selling his goods. Foretbought and thorough preparation are the forerunners of success. If one has first-class goods to offer, reasonably priced and put before the public in a proper manner, he will find a ready sale for them in these prosperous times. The various classes of goods should be separately considered and carefully arranged to suit the requirements of the sections where they will be mostly disposed of.

Shade trees are perhaps most important as being in most general use. Every resident feels grateful for a shady street in the heat of Summer, though the difficulty is to make him recall his gratefulness during the planting season. A little circular with a pretty half-tone cut illustrating a shady avenue will go a long way toward reminding the desired customer of whnt he will later on be thankful for. But the salesman or dealer needs to post himself on the subject of street trees. Those familiar with it will agree with me that perhaps no line of goods brings out a less-informed people as customers. What kind of trees seem to thrive best in your section? Note their habits of growth—their ultimate development, for some will want a tree of little height, others medium and tall; while some will care more for rapidity of growth than anything else. But the best man to deal with will be looking for the future. He will sacrifice general appearances for a few years to get a tree of lasting beauty and strength. The oak, for instance, would receive attention from this man—and he would make no mistake thereby, as there is probably none more satisfactory if properly moved and sharply prnned at the transplanting.

Besides counting or using those known to be desirable, it is always profitable to experiment a little—not with something entirely unknown, but something that from doing well elsewhere under similar conditions ought to prove desirable. A large list for a dealer is not desirable, which makes it all the more necessary that the selection ehould be a choice one while yet sufficient. As time and spnce will permit, I hope to continue the subject of preparation for business in the various lines of goods, especially considering the demands of the public.

S. MENDELSON MEEHAN.

Isaac Hicks, of Westbury, L. I., is known locally as the "Quaker Nurseryman." He is almost ninety years of age.

The Newport Nursery Co., Newport, R. I., made an assignment of all its property for the benefit of its creditors, on December 29, 1899. D. F. Easterbrooks is assignee.

A horticultural society, in affiliation with the Ontario Fruit Growers' Association, has been organized at London, Ont. Meeting for the election of officers occurs Jannnry 10.

Francis G. Butler, of Hartford, Conn., who of late years has been a traveling salesman for a Syracuse nursery firm, died December 27. He leaves a widow and two children.

The program has been issued for the meeting of the State Horticultural Association of Pennsylvania, which occnrs at Pittsburg, January 16 and 17. E. B. Engle, Wnynesboro, Pa., is secretary.

Springfield, Ill.—The Illinois State Horticultural Society has re-elected its old officers as follows: President, Henry M. Dunlap, Savoy; vice-president, H. A. Aldrich, Neoga; secretary, L. R. Bryant, Princeton; treasurer, J. W. Stanton, Richview. The place of the next meeting was not decided upon, but is left in the hands of the Executive Committee.

TREES! TREES!
Norway, Sugar and Silver Maples
Norway Spruce and Arbor Vitæ.
WM. J. CHINNICK, Trenton, N. J.
Mention the Florists' Exchange when writing.

Grape Vines
Descriptive and Price List free.
Currants, Gooseberries and other Small Fruit Plants. Extra quality. Warranted true.
T. S. HUBBARD CO., FREDONIA, N. Y.
Mention the Florists' Exchange when writing

Deutzia Gracilis
Strong bushy plants for forcing.
$6.00 per Hundred.
SAMUEL C. MOON, Morrisville, Bucks Co., Pa.
Send for price list of hardy shrubs and trees,
Mention the Florists' Exchange when writing.

FRUIT and ORNAMENTAL TREES,
Shrubs, Vines and Roses.
Write for price list or send your lists of wants for special prices.
W. & T. SMITH CO., Geneva, N. Y.
Mention the Florists' Exchange when writing.

VINCA MINOR.
We can supply any quantity in nice little field-grown clumps at $2.50 per 100; $8.00 per 1000; $75.00 per 10,000. Samples at 100 price. No charge for packing, when cash accompanies order. Reference requested.
PINEHURST NURSERIES,
OTTO KATZENSTEIN, Mgr. PINEHURST, N. C.
Ask for our Trade Lists of American
Woody and Herbaceous Plants and Seed.
Mention the Florists' Exchange when writing

P. OUWERKERK
1123 Summit Ave., Jersey City, N. J.
Just received from our Holland Nurseries
RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM
PÆONIES, BLEEDING HEART
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.
PRICES MODERATE.
Mention the Florists' Exchange when writing.


NEW **TOMATO** FOR 1900
Livingston's MAGNUS
This very distinct and most promising new variety, of the color of BEAUTY and ACME, is the latest addition by Livingston to the Tomato family. It is thicker, heavier, and more solid than either of the above, making it easily the most handsome sort in cultivation. The form is perfect, uniform, large and attractive. Flesh very firm. It is a robust grower, with short joints, setting its fruit clusters closer together than most varieties, and is therefore a heavy cropper. We have tested it for several years for forcing in greenhouses, and it has excelled all other varieties for this purpose.
PRICES:— Per Pkt., 20c; 3 Pkts. 50c.; 7 Pkts. $1.00
THE LIVINGSTON SEED CO., Columbus, Ohio
Mention the Florists' Exchange when writing

PLANTS FOR FORCING *Just Received in Fine Condition.*

Rhododendrons in finest varieties	small,	$35.00 per 100
" " "	large,	65.00 " 100
Lilacs for forcing, Charles X, and M. Legraye		45.00 " 100
Roses, extra heavy HERMOSA		10.00 " 100
Crimson Ramblers, extra strong		20.00 " 100
H. P. in best market varieties		10.00 " 100
Azalea Indica, 10-12 $35.00; 12-15		45.00 " 100
Mollis, well budded		35.00 " 100
Pontica, " extra strong		45.00 " 100
Iris Hispanica, fine $1.50 per 1000; Gladiolus, The Bride, pure white		5.00 " 1000
Tulips, parrot to name		12.00 " 1000

F. W. O. SCHMITZ, Jersey City, N. J.
Mention the Florists' Exchange when writing

THE STORRS & HARRISON CO., Painesville, Ohio,
Desire to call the attention of Florists and Nurserymen to their 40 acres of
HARDY ROSES, their complete assortment of FRUIT and ORNAMENTAL TREES and SHRUBS, and their 44 Greenhouses of ROSES, PALMS, FICUS, FERNS, ETC.
Correspodence and personal inspection solicited. Trade List and Catalogues free.

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.
MAPLES.
100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.
Catalogues on application. Send estimate of wants for prices.
THE WM. H. MOON CO., GLENWOOD NURSERIES, Morrisville, Pa.
Mention the Florists' Exchange when writing.

FRUIT AND ORNAMENTAL
TREES
FOR ORCHARD AND GARDEN
Small Fruits, Grapes, Shrubs, Climbing Plants, Roses, Evergreens, Hardy Plants, Pæonies.
Largest and choicest collections in America.
BEST NOVELTIES
Descriptive Illustrated Catalogue free.
ELLWANGER & BARRY
MOUNT HOPE NURSERIES, Rochester, N. Y.
Fifty-ninth Year.
Mention the Florists' Exchange when writing

F. & F. NURSERIES SPRINGFIELD, NEW JERSEY.
Wholesale Growers. TREES AND PLANTS in full assortment. Trade Catalogue Free.

CABBAGE PLANTS
Jersey Wakefield and other vars., from cold frame, transplanted, 25 cts. a 100; $1.50 a 1000; $12.50 a 10,000; if by mail, add 20 cts. per 100.
LETTUCE Boston Market, Tennis Ball, Curled Simpson, Grand Rapids, and other vars., 15c. per 100; $1.00 per 1000; $8.50 per 10,000; if by mail, add 10c. per 100.
Other vegetable plants in season. Cash with order.
R. VINCENT, JR., & SON, White Marsh, Md
Mention the Florists' Exchange when writing.

EAGLE The Everbearing, Neverfailing **PLUM**
Best money maker known. Twenty-six successive crops on parent tree; fine size and color and very best flavor. Perfectly hardy.
ROSEDALE HYBRID
Handsomest evergreen of its class ever offered. Sells at sight. Send for descriptions and prices.
BAKER BROS., Fort Worth, Texas.
Mention the Florists' Exchange when writing.

100,000 PRIVET

Per 1000		Per 1000
1½-2 ft.	$20.00	3-4 ft. $35.00
2-3 ft.	30.00	4-5 ft. 45.00

Usual Assortment of ROSES, Including Crimson Rambler.
HIRAM T. JONES, Union County Nurseries,
ELIZABETH, NEW JERSEY.
Mention the Florists' Exchange when writing.

EDWARD B. JACKSON,
WHOLESALE FLORIST
Hardy Herbaceous Plants Only
In any quantity, for the least money.
STAMFORD, CONN.
Mention the Florists' Exchange when writing

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED.

SIDE LINE. A salesman would like to sell on commission, onion sets, potatoes, beans and peas, to market gardeners in Long Island; references. K. B., care Florists' Exchange.

ALL-ROUND man wants position on private or commercial place; 20 years' experience in flowers, fruits and vegetables, inside and out; age 33, married; A1 references. K. D., care Florists' Exchange.

SITUATION wanted by German florist, middle age, single; 27 years' experience, competent in all branches; can take charge. J. R., care Floriste' Exchange.

GARDENER and florist, experienced wants a position on a private or commercial place; good references; will go anywhere. K. C., care Florists' Exchange.

WANTED situation, experienced man, florist, nurseryman and landscape gardener. Address J. T., care Florists' Exchange.

HELP WANTED.

WANTED at once, single man to assist foreman in rose establishment. must be handy and willing. J. K., care of Florists' Exchange.

WANTED a young lady assistant in a retail flower store in Providence experienced in making up floral work. Apply to J. O., care of Florists' Exchange.

WANTED at once, young, single, man, must have some experience be steady and a good worker; state experience and wages expected. J. Y., care Florists' Exchange.

WANTED grower capable of taking charge of 75,000 feet of glass; also one good greenhouse hand; a good position to the right man. John Irvine & Sons, Bay City, Mich.

WANTED, single man, one speaking German preferred; good all-around man, good worker. $20.00 a month and board. Chas. Buenning, North 13th St., Easton, Pa.

WANTED—Young man with some experience in growing general line of cut flowers and plants; 10 000 feet glass; state experience and wages with board per month. Address J. S., care Florists' Exchange.

WANTED. An assistant to work under foreman; only those who have a general good knowledge of the business and are strictly steady and reliable, need apply; please state where you have been employed and wages wanted. Frank McMahon, Sea Bright, N. J.

WANTED. A good florist, one not afraid to work or will sell half interest. L. E. Carter, 520 Spring St., Shreveport, La.

WANTED.

Three experienced men for grafting roses. Must come well recommended. Address, stating weekly salary expected.
E. G. ASMUS, West Hoboken, N. J.

WANTED.

An experienced seedsman to take charge of vegetable seed department and wait on customers. J. W., care Florists' Exchange.

WANTED.

A quick, active porter in a seed house to pack and ship, one with a system about him. K. A., care Florists' Exchange.

WANTED.

A first-class working foreman for large commercial place, capable to handle twenty-five houses. Must be good on roses, including American Beauties, carnations, violets and chrysanthemums. References will be required from last employer and must be of the best, as none but first-class man will give satisfaction. Married man preferred. Address

J. A., care Florists' Exchange.

WANTED.

At once an experienced man, single, that understands the growing of general greenhouse stock, including roses, palms and ferns; must have experience in making-up; one who is honest and willing to work; none need apply except those that can fill the position; wages $25 to $35 per month and board; state experience and reference.

J. H., care Florists' Exchange.

SEEDSMAN WANTED.

Wanted a thoroughly experienced seedsman to buy stock and take an active part in the management of the best established seed business in the South. Must be a man of push and energy. This is a fine opening to get an interest in a first-class business. Fullest investigation invited by parties who mean business. Address

J. D., care Florists' Exchange.

Mention the Florists' Exchange when writing.

LIVE PLANTS CUT FLOWERS LABELS

When you ship a Box, Crate or Package of **PLANTS** or **CUT FLOWERS** you want a label to place thereon—not a plain, ordinary, everyday tag, but a characteristic card of good size, bearing a design or emblem in red ink, which will at once draw the attention of handlers to the contents thereof, and give the expressman or carrier to understand the nature of the goods he is handling, and that there must be no delay or monkeying with same. We have prepared these labels in Two Appropriate Designs, one for Live Plants, one for Cut Flowers, and offer them in five sizes, and printed in Two Colors on various qualities of cardboard for tacking on, or of paper for pasting on. We quote prices as follows, Cash with Order, F. O. B. N. Y.:

We print in following sizes. In Two Colors.	On White Cardboard. (To be nailed on package.)		On Manilla Cardboard. (To be nailed on package.)		On Fine White Bristolboard. (To be nailed on package.)		On Good White Book Paper. (For pasting on.)	
	500	1,000	500	1,000	500	1,000	500	1,000
4 x 7⅛ ins.	$3.00	$4.25	$3.00	$4.00	$3.25	$4.50	$2.75	$3.25
5½ x 7 ins.	3.25	4.50	3.25	4.35	3.50	5.00	2.75	3.50
7 x 7⅛ ins.	3.50	5.00	3.50	4.75	4.00	5.75	3.00	3.75
7⅛ x 9⅛ ins. . . .	3.75	5.50	3.75	5.25	4.50	6.75	3.00	4.00
7 x 11 ins.	4.00	6.00	4.00	5.50	4.75	7.25	3.25	4.00

For prices on quantities over 1,000 write us; they come lower in quantities. Labels, eyeletted like tags, furnished to order. For further particulars address

A. T. DE LA MARE PTG. and PUB. CO. Ltd., P. O. BOX 1697, NEW YORK

MISCELLANEOUS WANTS.

WANTED. A few more customers for No. 1 Carnations at wholesale; can furnish from two to three hundred twice a week; write for prices. E. B. Beals, Greenfield, Mass

WANTED.

Every week until June 1st: 300 Carnations, Daybreak and mixed colors, by a Florist in Connecticut. Inquire or write to H. H. BERGER & CO., 47 Barclay St., New York.

BUSINESS OPPORTUNITIES.

FOR SALE or rent. A five-room dwelling, barn, small patch of ground, and greenhouse, 20 x 70, partly planted in lettuce and radishes. Florist, Box 761, Muncie Ind.

FOR SALE cheap. Two greenhouses, 20 x 100 each, well stocked, steam heat, houses 3 years old and all right; 3 acres market gardens; no opposition; good chance for right man. Write for particulars to H. F. Serrell, Oxford, Mich.

TO LET. Four acres, house, barn, etc.; soil particularly adapted for growing violets; fine plants can now be seen under cultivation; plants and frames can be bought. Address Box 45, Larchmont, N. Y.

AMATEUR or professional. Well built, 200 ft. double greenhouse; 100 ft. violet house and work room; 14 room modern house, barn, garden and orchard; all in running order; six acres, high ground, exposure and soil exceptionally favorable; within 45 minutes of New York. For sale on easy terms. Address Room 144, 39 Cortlandt Street, New York.

FOR SALE, cheap, about 2000 ft. 4 in. cast iron pipe, with fittings; 60 0 sq. ft. 10 x 14 in. glass; also one No. 12 Meyer's boiler. All the above are in good condition and have been used in the well known "Primble Draperies," and to be sold as they stand. Apply to Chas. T. McFarland Westchester, Pa.

FOR SALE. — A Greenhouse Plant of 36,000 square feet, situated between two flourishing cities of 37,000 and 166,000 population, respectively. Four lines of electric cars pass the door. Houses are equipped with Herendeen Boilers and have every modern appliance, all stocked with roses, carnations, ferns and all plants pertaining to this business. Will be sold at a great sacrifice, as owner has outside business interests and cannot give Greenhouses personal attention. Address J. V., care Florists' Exchange.

LEGAL NOTICES.

A. T. DE LA MARE PRINTING AND PUBLISHING COMPANY, LIMITED.—The annual meeting of the stockholders of this Company will be held at the office of said Company, Nos. 2 to 8 Duane street (Rhinelander Building), in the Borough of Manhattan, City of New York, on the eleventh day of January, 1900, at 12 o'clock noon, for the Election of a Board of Directors and two Inspectors.

J. H. GRIFFITH, Secretary. A. T. DE LA MARE, President.

A. T. DE LA MARE PRINTING AND PUBLISHING COMPANY, LIMITED.—By order of the Board of Directors the Transfer Books of the above Corporation will be closed on and after January 4, 1900, at 12 o'clock noon, to January 12, 1900, at 12 o'clock noon.

JOSEPH MAGILL, Treasurer. A. T. DE LA MARE, President.

Philadelphia.

Club Notes.

New Year's Day was appropriately observed at the Florists' Club room, the various games being in full swing during the afternoon and evening.

The club meeting on Tuesday evening was poorly attended, two nights in succession being too much for the majority of the members. Albert M. Herr read an interesting paper on New Carnations, which will be given in full in our next issue. The exhibits of the evening were a vase of Olympia carnations from John N. May, and a vase of Ethel Crocker from Robt. Craig & Son, each of which received proper notice by the committee on exhibits. Many of the flowers of Olympia were 3½ inches in diameter, and the committee thought it the best variegated carnation ever shown before the club. Mr. May, who was present, made a few remarks about new carnations seen in the West, as also did Wm. P. Craig, who has also recently made a trip through the West. Both reported many new varieties of prominence, but none of which would yet be introduced. From remarks made Mrs. Bradt appears to be on the decline, as both in the West and East growers cannot obtain such good prices as formerly. No explanation could be given for this, except it is too much mottled. The essay for the February meeting will be one by Mr. May on "What Has the New Century in Store for the Queen of Flowers?"

January 24 has been selected for the next ladies' night at the club.

Members of the trade in this city are much gratified at the appointment of A. B. Cartledge on the Executive Committee of the S. A. F.

New Year's Day made most of the retail stores very busy; in fact, some of them worked all day Sunday preparing for the many orders for early delivery. Dinner parties were numerous and, together with boxes of cut flowers, made much business.

There is not much change to report in cut flower circles. All choice stock is selling well, but there is a large surplus of poor stock coming to this market just now, for which there is but little demand. Carnations are piling up in large quantities. Hugh Graham relieved the smilax market by using over 2,000 strings at a large ball this week.

Miss E. M. Wood has taken charge of her retail store again, at 235 South 15th street. DAVID RUST.

Newport, R. I.

At the meeting of the Newport Horticultural Society on the 27th ultimo, the members presented James McLeish, retiring president, with a "Morris chair." The presentation speech was made by his successor in office, Robt. Laurie. At this meeting seven members were elected.

Our first snow storm of the season came on New Year's Day, causing a suspension of outdoor work all round. MAC.



West Hoboken, N. J.—The bowling scores of the North Hudson Florists' Club for this week are as follows:

Paul Stricker	134	152	142	108	150
M. Hansen	158	113	121	127	110
Chas. Heintz	104	96	115	100	110
Geo. Brown	155	148	130	158	160
L. Hansen	122	151	154	187	120
Chas. Washe	168	144	120	132	160
T. Fiesser	101	141	132	120	100
Chas. Dietz	178	134	145	147	130
W. Hillebrecht	129	112	133	107	170

Flatbush.—Thursday, December 28, the annual rolling for concealed prizes took place, and when each had taken his choice of the various packages, it transpired that E. Dailledouze had a box of cigars; Louis Schmutz, a tobacco jar; T. Lang, bottle of rye; D. Y. Mellis, a handsome pipe; Papa Zeller, a smoking set; A. Zeller, box of collars, 5-inch high, and a tie; W. Prosser, a German stein; C. Wocker, tobacco jar; P. Dailledouze, box of cigars; H. Dailledouze, an inkstand; C. Woerner, a fountain pen, and J. P. Cleary, a silver match-box. A case of champagne was given by a friend to the bowler making highest average for the evening; this went to E. Dailledouze. The scores were as under:

	1	2
E. Dailledouze	156	165
D. Y. Mellis	137	137
W. Prosser	154	142
H. Dailledouze	151	127
Papa Zeller	83	161
L. Schmutz	106	129
C. Woerner	91	100
A. Zeller	103	141
P. Dailledouze	121	166
C. Wocker	146	115
T. Lang	147	140
J. P. Cleary	114	86

New York.—The following are the scores rolled Tuesday night last:

	1	2	3
T. Lang	121	129	125
W. H. Siebrecht	125	130	120
P. O'Mara	139	129	139
F. H. Traendly	127	156	162
L. Hafner	122	117	120
J. H. Taylor	128	153	94
J. H. Troy	..	..	78
J. J. Donlan	124	161	122
A. Herrington	85	90	122
W. J. Stewart	137	123	105
C. B. Weathered	106	..	..

CATALOGUES RECEIVED.

JOHN PEED & SON, West Norwood, London, Eng.—Catalogue of New and Choice Chrysanthemums and Begonias.

COX SEED COMPANY, New York and California.—Wholesale Catalogue of Flower and Vegetable Seed.

PREDE J. MARSHALL, Hibernia, N. Y.—Illustrated Catalogue of Seeds and Plants.

TEXAS SEED AND FLORAL CO., Dallas, Texas.—Illustrated Catalogue of Seeds, Plants and Bulbs.

H. L. HOLMES, Harrisburg, Pa.—Catalogue of Seeds (Flower and Vegetable); also Thoroughbred Stock.

ROBERT HOLMES, Norwich, Eng.—Wholesale List of Chrysanthemums, Tomatoes, etc. Illustrated.

BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y.—Price List of Slug Shot, Paint, etc.

H. F. LITTLEFIELD, Worcester, Mass.—Catalogue of New Carnations.

MISS C. H. LIPPINCOTT, Minneapolis, Minn.—Illustrated Catalogue of Flower Seeds.

WM. ELLIOTT & SONS, 54–56 Dey street, New York.—Wholesale Catalogue of Seeds and Plants, illustrated, with a full list of novelties.

RICHARD VINCENT, JR., & SON, White Marsh, Md.—Wholesale Price List of Vegetable and other Seeds.

MRS. THEODOSIA B. SHEPHERD, Ventura-by-the-Sea., Cal.—Wholesale Trade List of New and Rare Seeds.

The beautiful Nelumbium speciosum is usually distributed by florists as the sacred lotus of the Egyptians. But this is a mistake. This is the Chinese lotus. The sacred lotus of the Egyptians was a relative of our sweet water lily, a Nymphæa—Nymphæa Lotus. It was held sacred as being the representative of Isis in the annual festival.—*Meehan's Monthly for January.*

New York.

Market Reports.

In our effort to obtain information regarding the condition of business during this, the first week of the year, we were much impressed by the wide difference of opinion between the wholesalers and retailers' view point. The former did only an ordinary business, at prices way below Christmas figures, while the retailers had a fine trade and are extremely well satisfied. The reason, however, is not far to seek; plants are yearly gaining in favor by the buying public, and flower producers are doing their full share toward making plants popular by flooding the market with a lot of poor flowers whenever a holiday arrives.

Of course, no held-over stock is sent in for New Year—there has not been time for that—in fact, shipments were rather light; but with the exception of violets prices along all lines had to be cut down considerably in order to make sales; and as the week progressed buinesss became more quiet, and on Thursday we found special American Beauty at 50c. each, and very few wanted at that. Special Bride and Bridesmaid bring 12c. and 15c., and they have to be very select when they realize the 15c.; extras fetch 8c.; No. 1's, 3c. and 4c., and No. 2's, 2c.

Carnations are selling very slowly, and as low as 75c. per 100 for standard grades is recorded; from that figure to $2 for the colored varieties being the ruling prices. Fancies bring 6c. each, some Gov. Roosevelt going as high as 15c.

The supply of Roman hyacinths and Paper White narcissus has fallen off quite considerably, and a little stiffening in price has resulted. Valley brings from $1 to $2.50, and Harrisii lilies from $1 to $1.50 per dozen.

Violets are clearing out much better than last week; specials bring $1.75, ordinary, from 75c. to $1.25 per 100, according to quality.

Plenty of callas are now to be had, but the demand is meagre; first-class ones are offered at $1 per dozen. Marguerites are offered at 50c. per 100 and white camellias at 4c. each.

Among retailers trade is very satisfactory, but the inflation of prices in flowers is much deplored. It is the firm belief of many of the most prominent store men that if the price of special Beauty did not exceed the dollar mark, that figure could be maintained sufficiently long to give the growers a better average for the flowers than they do under the present method, as the abnormally high price only prevails for such a short time. This point is worthy of consideration by those interested.

Jottings.

Friday afternoon, December 29, fire was discovered in the basement of Traendly & Schenk's commission house; it had started from defective insulation of electric wires, but was found before much headway had been made, consequently the damage was slight.

Monday evening next, January 8, the regular monthly meeting of the New York Florists' Club will be held in their rooms, corner of Broadway and 27th street. Installation of officers takes place at this meeting.

The delivery of manetti and other nursery stock is being unavoidably delayed, thereby causing much inconvenience. French stock cannot be dug, owing to the heavy snows that prevail, and the English shipments cannot be forwarded on time, owing to so many of the steamships being used by the Government for carrying supplies to Africa.

We believe a wrong impression is current among the gardeners in regard to the coming horticultural exhibition at the S. A. F. Convention in this city next August. J. P. Cleary is appointed manager of the trade exhibit only.

Gus. Bergmann has been ill with pleurisy since Christmas Day, and will be confined to the house for some time yet.

The Morris County Gardeners' Society will hold its annual dinner in the Masonic Hall, Madison, N. J., Wednesday evening next, January 10.

Mrs. Russell, Seventh avenue, Brooklyn, has made improvements in her store, by adding a mirror the whole length thereof, and changing the position of the counters, creating a neat and attractive appearance. She reports a very satisfactory Christmas trade.

A Thing of Beauty

Is what the Catalogue of every Florist, Seedsman and Nurseryman should be.

WE CAN MAKE AS GOOD AS THE BEST.

Men, Machinery, and Illustrations to Embellish, are at your service. Write us for estimate.

A. T. DE LA MARE PTG. AND PUB. CO. Ltd.,
NOS. 2 TO 8 DUANE STREET,
NEW YORK CITY.

Mention the Florists' Exchange when writing.

New Jersey Floricultural Society.

Wednesday evening, January 3, this society met in the club rooms, 240 Main street, Orange, to install the newly elected officers and enjoy their annual dinner. The tables were spread in the meeting room and the sight of the various good things displayed had a very material effect in shortening the business part of the meeting.

In the installation ceremony, Malcolm McRorie acted as master, and filled the post to perfection.

The incoming officers are: P. Duff, president, re-elected; J. B. Davis, vice-president; Geo. Smith, secretary; Malcolm McRorie, treasurer.

The treasurers' report showed that the society is in a very healthy condition financially; and that of the secretary that the society is gaining in membership.

About 60 people sat down to the dinner. Vases of carnations, roses and bougainvilleas adorned the centre, including a beautiful bunch of Olympia carnations. After full justice had been done, Pres. Duff acted as toastmaster, and called upon Dr. Ward to speak for horticulture. He was followed by W. J. Stewart for the Society of American Florists. Then came a cornet solo by Mr. Taylor, after which W. Duckham spoke for the private gardeners, John N. May for the commercial florists, and J. B. Davis for the ladies. Mr. Bennett then gave a violin solo; he was followed by G. Bird, who spoke on ancient florists. Geo. Smith sang "The Tinker's Wedding," which was followed by remarks on the horticultural press by J. W. Withers. Visitors from New York were, J. Lang, W. J. Stewart, J. W. Withers, J. I. Donlan and S. S. Butterfield. A most enjoyable evening was spent.

FIRES.

ST JOSEPH, MICH.—During a northwest gale which struck this vicinity December 24 the greenhouses of August Loeffler was destroyed by fire. The origin of the fire is unknown. It was first discovered in the engine room The loss is $5000, with no insurance.

KENNETT SQUARE, PA.—A small fire in Burgess Pennock's greenhouse, December 25 was extinguished before any great harm was done.

COLUMBUS, O.—E. T. Effieck had the misfortune to lose four of his houses and barn on New Year's morning by fire. One house of roses is left which he will be able to save. The loss is $7000, with but $500 insurance on the barn. He will rebuild at once and bridge over with vegetables.

FRITZ.

Firms Who Are Building.

TRAVERSE CITY, MICH.—F. M. Paine has recently added a room for storing cut flowers and made other improvements on his greenhouse establishment.

WARSAW, N. Y.—H. S. Baker is building a greenhouse, 14x50 feet, for bedding stock.

A NOVELTY IN PANSIES.

Pansy growers who fail to include the giant flowered **Mme. Perret** in their collections will not be "in it" next Summer. Gorgeous colorings and extra large flowers. Can be seen in bloom at my place this Spring. Oz., $4.00; large trade pkt., 25 cts. Small sample free on application.

BEAULIEU, Woodhaven, N. Y.

Mention the Florists' Exchange when writing.

Grand Assortment of **CANNAS** 40 varieties, price list on application.

Carnation Cuttings, selected, at lowest prices: John Y. Hoag, Mrs. Jas. Dean, Bon Ton, New York, Eldorado, White Cloud.

Petunias, double rooted cuttings best for pot and bedding, $1.25 per 100. **Heliotrope**, $1 per 100. **Geranium**, Gen. Grant, S. A. Nutt, etc., $1.50 per 100. Mars Mountain of Snow, $2 per 100. Cash, please.

WILLIAM STUPPE, Hollis, L. I., N. Y.

Mention the Florists' Exchange when writing.

NOW IS THE TIME TO BUY

VERBENA SEED

Mammoth flowering, choicest mixed, 50c per ¼ oz.; per oz., $1.50.

Asparagus Plumosus Nanus Seed
(HOME GROWN)
$1 per 100 seed, $9 per 1000 seeds.

ASPARAGUS SPRENGERI SEED, New Crop, 75c., or 100 seeds, $6 per 1000 seeds.

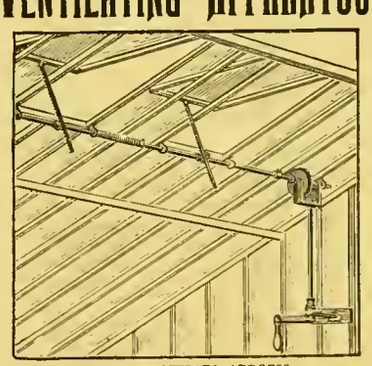
ASTER Semples, True, Branching, 35c. ¼ oz. Choicest Mixed, $1.25 oz.

HENRY F. MICHELL,
1018 Market St., Philadelphia.

Wholesale Price List of **Seeds Bulbs**, &c., mailed to our customers and to applicants.

Mention the Florists' Exchange when writing.

ORMSBY VENTILATING APPARATUS



FOR PARTICULARS ADDRESS
E. A. ORMSBY, Melrose, Mass
Telephone Connection.

Mention the Florists' Exchange when writing.

FREEDOM

The best White Carnation for general use, approved by those who tried it; also **MANGOLD**, Rooted Cuttings, per 100, $1.50, Transplanted, per 100, $2.00, (ready for shipment.) Stock first-class. Only for Cash.

W. G. KRABER,
35 Tremont Street, NEW BEDFORD, MASS.

Mention the Florists' Exchange when writing.

POLYSTICHUM WOLLASTONI LACE FERN

The finest CUT FERN for designs, also ferneries, etc., increasing every year in worth; can be planted between smilax; the dozen, good fronds, from 24 to 30in. length, market price, $1.00; 100 young plants, size No. 1, $4.00; size No. 3, $8.00. Sample box, by mail, containing two sizes, 12 plants, $1.00. Cash with order, please. Cultural direction on application.

ALBERT KNAPPER, Frankfort, Phila., Pa.
CLEMATIST

Mention the Florists' Exchange when writing.

Pansies Worth Raising

Good Plants, $4.00 per 1000; $2.50 per 500.

Extra Large Transplanted Plants in bloom, as good as in spring, $2.50 per 100.

F. O. B. Express here. Cash with order.

C. SOLTAU & CO., 199 Grant Ave., Jersey City, N. J

Mention the Florists' Exchange when writing.

PANSIES

Fine Plants, Large Flowering Strain, 50c. per 100; $2.50 per 1000.

PANSY SEED, NON PLUS ULTRA, $4.00 per oz.
CASH, PLEASE.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Mention the Florists' Exchange when writing.

SCHMIDT'S PANSIES Have no Equal.

Comprising the cream of all the Leading Strains. Large, stocky plants, 50 cents per 100; $3.00 per 1000; 10,000 for $25.00.

DAISIES (Bellis), strong plants of the largest double varieties, Longfellow and Snowball, 50 cents per 100; $3.00 per 1000

MIGNONETTE, Allen's Defiance, fine plants, 50c. per 100; $3.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

PANSIES

The Jennings Strain. 200,000 fine, stocky plants, from cold frames, varieties the finest, many are curled and fringed. 100 plants by mail, 60 cts.; 1000 plants by express, $3.50; large plants in bud, by express, $5 a 1000; extra fine Pansy blooms, by mail, 50c. a 100.

Pansy Seed of above, $1.00 per pkt.; $5.00 per oz. Separate colors in plants or seed if wanted.

Choice Mixed Gladiolus, all colors, 50 cts. per 100. Extra large **Scarlet Amaryllis Bulbs**, $6.00 per 100; medium size, $3.00 per 100.

Samples sent for 10 cts. Cash with order.

E. B. JENNINGS, Lock Box 354, Southport, Conn.
Grower of THE FINEST PANSIES.

Mention the Florists' Exchange when writing.



100,000 Rooted Cuttings CARNATIONS

Now Ready to Ship.

Early orders get the best rooted stock.

	Per 100
MRS. THOS. W. LAWSON, pink	$14.00
ETHEL CROCKER, pink	10.00
THE MARQUIS, pink	10.00
GENEVIEVE LORD, pink	10.00
OLYMPIA, variegated	10.00
G. H. CRANE, scarlet	4.50
AMERICA, scarlet	4.00
MELBA, light pink	3.50
MRS. G. BRADT, variegated	3.00
GLACIER, white, fine	4.00
MAUD ADAMS	3.50
GOMEZ, dark red	4.00
MRS. F. JOOST, pink	2.50
GOLD NUGGET, yellow	3.00
ARGYLE, fine pink	1.25
TRIUMPH, fine pink	1.50
DAYBREAK, shell pink	1.00
EMPRESS, dark red	1.00
FLORA HILL, white	1.50
WHITE CLOUD	2.50
MARY WOOD, fine white	3.00
JUBILEE, scarlet	1.50
PSYCHE, variegated	1.50
MORELLO, scarlet	1.50
WM. SCOTT, pink	1.00
LIZZIE McGOWAN	1.00

No orders shipped to Canada for less than $10, cash.
5 Cuttings at 100 rates.

THE MORRIS FLORAL CO., Morris, Ill.

Mention the Florists' Exchange when writing.



It's nice a lasting gift to give,
Which appreciation earns;
Cut Flowers die, but plants will live,
Therefore buy

PALMS AND FERNS

Try a barrel of our Fine Needle Soil, for Palms and Ferns, price $1.50 Send for our catalogue.

THE GEO. WITTBOLD CO., Chicago.
1708 N. Halsted Street.

Mention the Florists' Exchange when writing.

PREPARED TROPICAL PALMS



AND CYCAS LEAVES

Send for Catalogue.

Ostertag Bros., Florists,
Washington and Jefferson Aves., ST. LOUIS, MO.

Mention the Florists' Exchange when writing.

FERNS, ETC.,

CHEAP FOR CASH.

	Inch pots	Price each	Per 10	Per 100
Adiantum Capillus Veneris,	2½	$0.04	$0.30	$2.50
" " "	3	.05	.45	4.00
A. C.V. imbricatum or Hardy Farleyense	3	.15	1.50	
" " "	4	.30	3.00	
Adiantum Cuneatum	4	.10	1.00	9.00
Pteris Cretica Alb i-Lineata	4	.10	.90	8.00
Selaginella Emmeliana	2	.04	.30	2.50
" "	3	.06	.50	4.50
" "	4	.10	.90	8.00
Nephrolepis Exaltata	3	.06	.55	5 00
" " strong	7	.45	4.00	
N. Tuberosa	6	.25	2 00	
N. Rulescens Tripinnatifida	5	.35	3.00	
Mixed Ferns, from benches				1.50

For other varieties and sizes see wholesale list, from which 10 per cent. discount will be given on all orders accompanied with cash.

W. J. HESSER, Plattsmouth, Neb.

Mention the Florists' Exchange when writing.

LATANIA BORBONICA

4 inch pots	$2.50 per doz ;	$20.00 per 100.	
5 "	4.75 "	35.00 "	
6 "	9.00 "	70.00 "	
7 "	1.25 each, and fine specimen plants from $6.00 and upwards.		

Areca Lutescens, fine plants from $5.00 upwards.
Kentia Belmoreanna and Forsterianna—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, well grown, from $2.50 and upwards.
Phœnix reclinata, 4 in. pots, 25c. each, $20 per 100; 5 in. pots, 40c. each, $35.00 per 100; 6 in. pots, 60c. each, $55.00 per 100; 7 in. pots, $1.25 each.
Phœnix Canariensis, Rupicola and Reclinata, fine specimen plants, from $3.00 to $5.00 each.
Cocos Weddelinna, from 2 in. pots, $1.50 per doz.
ASPARAGUS SPRENGERI 3 in. pots, $1.00 a doz. 5 in. pots, 25c. each.

JOHN BADER, Troy Hill, **Allegheny, Pa.**
L. D. TELEPHONE 872.

Mention the Florists' Exchange when writing

BOSTON FERNS

N. Exaltata Bostoniensis.
Small plants, $5 00 per 100; $40.00 per 1000; not less than 250 at 1000 rate. Large plants, $6.00 to $12.00 per 100.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $3.00 to $10.00 ea.
Areca Lutescens, 50c. to $3.00 each.
Latanias, from 75c. to $3.00 each.
Asparagus Plumosus, $1.00 to $1.50 doz.
Asparagus Sprengeri, 3½ in. pots, $1.50 per doz.
Asparagus Tenuissimus, 3½ in. pots, $1.25 per doz.

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. **Connected with Telephone.**

Mention the Florists' Exchange when writing.

ERICAS

Persoluta Alba, 4 in., per 100, $18; per 1000, $150.00.

Persoluta Rosea, 4 in., per 100, $18; per 1000, $150.00.

Well set with buds, can be brought into flower for February and March (Easter).

H. D. DARLINGTON, Flushing, L. I.

Mention the Florists' Exchange when writing.

McFADDEN'S LIST

INCLUDES AMONG OTHER SPECIALTIES;

BOSTON FERNS Largest and finest stock in the country. Fine plants in 6 in. pots, 75c.; 8 in. pans, $1.50 10 in. pans, $2.00. Extra large, magnificent specimens, $5.00 to $10.00 each.

ADIANTUM FARLEYENSE We are headquarters. 2 in., $10 00 per 100; 3 in., $25.00 per 100; 4 in., 50c., 5 in., 75c., 6 in., $1.50, 7 in., $2.50 each. Cut fronds, $15.00 per 100.

MIXED FERNS, best varieties, $5 00 per 100; $40.00 per 1000.

FERN SPORES, $1.00 per extra large pkt., with full directions.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

Mention the Florists' Exchange when writing.

Nephrolepis Washingtoniensis "ERECTA"

There is no other fern in its class so distinct and majestic and sure to have a great future as well for a pot or decoration plant, or for cutting of its grand fronds of 5 to 6 feet length. Its only rival will be the variety

Nephrolepis Washingtoniensis "PENDULA,"

Of which a halftone cut appears on page 1253, December 16 issue of the FLORISTS' EXCHANGE, and of which all the stock is in my possession and will be offered for sale next Summer. Of the first-named variety I have the best and largest stock, several thousand plants of different sizes **Prices for $1.00,** free by mail, **5 well rooted runners,** or **4 strong, 2½ inch pot plants;** strong, 4 inch pot plants, 3 feet high, **50c. each**—larger ones, **$1.00** to **$5.00 each.** For other stock see former ads.

Mention this paper. **N. STUDER, Anacostia, D. C.**

PTERIS DEWEYANA.

A MOST desirable new fern, now offered for the first time, by the raiser, J. H. Ley. It is a most distinct cross between P. Cretica Albo-lineata and P. Serrulata. Habit dense and very dwarf; fertile fronds, erect, smooth and narrow, barren fronds very bright and beautifully undulated; produced in quantity, never rusts, hard, and grows very freely from spores.

12 fine plants, 3 inch pots		**$3.00**
100 " "		**20.00**
12 good plants, 2 inch pots		**2.00**
100 " "		**15.00**

Six latter mailed, $1.00. With balls of roots undisturbed.

JOHN H. LEY, Good Hope, - - WASHINGTON, D. C.

Mention the Florists' Exchange when writing.

Bangor, Me.

The new year in Bangor opens auspiciously. Everything, to my idea, in the florist's line, is flourishing. Adam Sekeoger reports business very good and Spring orders already arriving in quantity. Buckley & Pribble, agents for F. H. Moses, of Bucksport, reports a good business and Spring outlook good. A. Noyes, Mrs. Allen and others take a similar hopeful view. Carl Beers says business was never better. At the funeral of a leading taxidermist, S. L. Crosby, his employes and friends obtained as a floral piece one of his best representations of his art—a picture 3½ by 4½ feet, in which are, in a large convex glass frame, two white ptarmigan stuffed. This in its entirety was reproduced in flowers by Beers.

V. P. B. V.

THE BOSTON FERN

A SPECIALTY.
Only orders booked at $5 00 per 100; $40 per 1000.

L. H. FOSTER, 45 KING STREET, **Dorchester Mass.**

Mention the Florists' Exchange when writing.

FERNS. FERNS.

This year we have a fine lot, all in the best possible shape, a good variety and nice, bushy stock, 2¼ in. pots, $3.50 per 100; $30.00 per 1000; packed in pots, 50 cts. per 100 extra, express paid to New York.

H. WESTON & BRO., Hempstead, L. I., N.Y.

Mention the Florists' Exchange when writing.

FERNS A fine assortment for florists use, from 2½ and 3 in. pots. Also

Selaginella Emmelinna, and Reticulata Aurea
Cyperus Alternifolius, $3.00 per 100.
BABY PRIMROSES, from 3 inch, $4.00 per 100; from 4 inch, strong, $8.00 per 100.
PELARGONIUMS, in 6 best commercial varieties, mixed, from 3 inch, $3.00 per 100, and from 4 inch, $6.00 per 100.

J. G. EISELE, - Philadelphia, Pa.
20th AND ONTARIO STS.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR

Palms and Ferns.

Fine, clean home grown stock; grown cool. Give us a trial order and be CONVINCED.

J. B. HEISS, The Exotic Nurseries, **Dayton, Ohio.**
SEND FOR PRICE LIST.

Mention the Florists' Exchange when writing.

ASPARAGUS

2½ inch pots.

Sprengeri, Plumosus Nanus, $6.00 per 100. Fine stock.

Jackson & Perkins Co., Newark, New York.

Mention the Florists' Exchange when writing

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.
1730 CAMBRIDGE ST.

Mention the Florists' Exchange when writing.

FERNS FOR DISHES.

Strong, 2 and 2½ in., $3 per 100; $27.50 per 1000.
Maranta Massangeana (will sell your fern dishes), $5.00 per 100; $40.00 per 1000
Asparagus Plumosus, strong, 2 in., $4.50 per 100; $40.00 per 1000.
Pteris Tremula, 3 in. pots, strong, $5.00 per 100. Terms, Cash or C. O. D.

C. MERKEL & SON, Mentor, Ohio.

Mention the Florists' Exchange when writing

ADIANTUM CUNEATUM

Strong 2½ in. plants, $3.00 per 100; $25.00 per 1000.
Fine plants, in 3½ and 4 in. pots, $6.00 per 100; $50.00 per 1000.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

Hartford, Conn.

Christmas trade here was a record-breaker, and all of the dealers are satisfied with the results. Stock in most cases was first-class; but there was a shortage of all kinds, especially in carnations and violets. A marked increase in the sale of plants was noted. The weather was all that could be desired. Some extra fine roses were received, but not nearly enough to supply the demand. There was a big call for Meteor, but the supply was very limited. Bridesmaid sold the best, followed by Bride and Perle. The best grades brought from $2 to $3 a dozen, while the poorer ones went for $1.50. Some very fine carnations were in the market; in fact, some of the best we have had this season. The common varieties sold at from 50c. to 75c. a dozen, while some extra fine ones brought $1—the highest price carnations ever sold for in Hartford. Violets were very scarce and thousands more could have been sold; they went at $2 a 100, and were generally good in quality. In the plant line Boston fern went remarkably well; some of the growers sold completely out of them. Palms rubber plants and blooming plants sold much better than ever before There where a few white azaleas to be had and they sold readily. Hundreds of Chinese primroses in 4 inch pots were disposed of at 25c. each. Baby primrose, made up in flat pans, sold well. Most of the florists were afraid they would get stuck on Christmas greens, so much of this stock being sold all over the city by the grocery men, meat men, etc.; but by Saturday night scarcely any greens could be found here More holly was sold than ever before, but the holly wreaths did not go as well as usual. There seems to be a dropping off in the sale of these the last year or two and more call for the wreaths made of green and holly mixed. All the stores had extra help.

Connecticut Horticultural Society.

The annual meeting of this society was held Wednesday evening It was decided to give but three shows the coming year, viz., a sweet pea exhibition in July, fruits, vegetables and dahlias in September, and chrysanthemums and carnations in November. The September show will be given in South Manchester, and the others in this city. Officers elected were: President, J. T. Withers; vice-presidents, R. A. Griffing, A. C. Sternberg and Theo. Wirth, of Hartford County; Robt. Veitch, of New Haven County; T. S. Gold, of Litchfield County; D. A. Lyman, of Windham County; Robt. Coit, of New London County; S. Hoyt, of Fairfield County; A. N. Pierson, of Middlesex County, and Prof. L. P. Chamberlin, of Tolland County; secretary, W. T. Gardner; assistant secretary, L. Mead; Executive Committee—G. S. Osborn, John Coombs, A C. Sternberg, H. J. Koehler, R. A. Griffing, C. M. Rogers and F. W. Davis; Committee on Awards and Premiums—Executive Committee and T. J. McRonald, Robt. Patchet and W. B. May.

The secretary's report summarized the work of the society during the year. The bulb show was a good one, but it had few exhibitors, and there was a small attendance, and it was recommended that it be discontinued. The June show of rosea was not very good on account of the season being so dry. The sweet pea show in July was slimly attended because of the hot weather. The September show of fruits and vegetables was very successful. The report said that there appeared to be a lack of love for horticulture among the citizens of Hartford, and the members were urged to help the officers to make future shows of the society a success. J. F. C.

Louisville, Ky.

Christmas Trade.

Christmas business was very good; total sales will show an increase over last year. Noticeable was the increased demand for plants, both blooming and ornamental. Prices were about the same as last year. Romans and narcissus were plentiful. Good roses and carnations equalled the demand, only Beauty being short. Violets were very scarce. Greens were nearly sold out. Until Saturday the weather was fine; on that day it rained all day, but this seemed not to affect business. Sunday it was colder, and Christmas Day very cold, causing much extra work in wrapping plants to be delivered.

Trade since Christmas has been surprisingly good, and prices have held up very nicely. For New Year's trade there was an increased demand over last year, especially for good roses and carnations. The supply was about equal to the demand, and the prices received, while not very high, were satisfactory. J. S.

A FEW GOOD THINGS YOU WANT.

Extra fine 3 in. **Chinese Primrose** in bud and bloom, $4.00 per 100. **Asparagus Sprengeri and Plumosus**, 3 in., $8 00 per 100. **Rex Begonia**, 3 in., mixed $4.00 per 100. **Marguerite Daisy**, large flowering white, 2 in., $3 00 per 100. **Nephrolepis Compacta**, 2½ in., $4 00 per 100. **Kentia Belmoreana and Forsteriana**, 4 in., nice plants, 40c. each.

Geraniums, double gran , S. A. Nutt, Mrs. E. G. Hill, and Bonnatt, nice 2 in. stock, $3 per 100. **Bruantl**, single Grant and **La Favorite**, 2 in., $2 50 per 100.

Orders taken for February delivery for **Rooted Cuttings of Carnations**, Sc ft, McGowan, Mrs. Fisher, Portia and Alaska, 75c. per 100; $6.00 per 1000. Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

PRIMROSES

Large, blooming Chinese Primroses, in bloom 4 in. pots, 8 cents; smaller plants of same kind, 4 in. without pots, $6.00 per 1 0.

CLEMATIS JACKMANNI, 3 yr. old, 6 to 8 ft., strong, $4 a doz. ; 2 to 3 ft., $2.50 a doz.

PRIMULA OBCONICA, 4 in., $5.00 per 100.

CYCLAMEN, 4 in. pots, $1.00 per doz.

BEGONIA Semperflorens Gigantea, 6 in. pots, $2.50 per doz. ; 4 in. pots, Pres. Carnot and other varieties. $1.20 per doz.

Orders now booked for **AZALEAS** to be delivered in the Fall of 1900. Please write for price list. When ordering state if pots are wanted. Cash with order, please.

GODFREY ASCHMANN, 1012 Ontario St., **Phila., Pa,**

WHOLESALE GROWER OF POT PLANTS.

Agent for O. VAN DEN PLAS, Lorchristy, Belgium, for Azaleas, Rhododendrons, Etc.

Mention the Florists' Exchange when writing

GERANIUMS

Richard Brett, Beaute Poitevine, Mrs. E. G. Hill, Wonder, Ruy Blass, Marguerite De Layers, Mme. Bruant, $2 0 0 per 1000; 2½ in. pots of the same, $3 0 0 per 1000; $3.25 per 100. **S. A. Nutt, La Favorite, Jas. Garr, Double Grant**, and several other good bedders, $15 per 1000; 2½ in. pots, $22.00 per 1000; $2.50 per 100. **Rose Geraniums**, $2 00 per 100. **Skeleton Rose**, $2.00 per 100.

COLEUS, Crimson Verschaffeltii and Golden Queen, $7.00 per 1000, 75 cts. per 100; 2 in. pots, $1.50 per 100. Coleus in variety, $5.00 per 1000, 60 cts. per 100; 2 in. pots, $1.25 per 100.

AGERATUM, Blue and White, 75c. per 100; Princess Pauline, $1.00 per 100.

GIANT ALYSSUM, $1.00 per 100.

SALVIA, Splendens and Bedman, $1.25 a 100.

HELIOTROPE, 6 vars., named, $1 a 100.

CUPHEA (Cigar Plant), $1.00 per 100.

FUCHSIAS, $1.50 per 100; 2½ in. pots, $3 00 per 100.

The above are rooted cuttings, except when noted. Cash must accompany all orders.

J. E. FELTHOUSEN, Schenectady, N.Y

Mention the Florists' Exchange when writing

Unequaled Varieties VERBENAS Vigorous Stock.

		100	1000
Best Mammoths,	strong pot plants...	$3.00	$25.00
" "	rooted cuttings....	1.25	10.00
Older "	"	1 00	8.00
" "	strong pot plants...	2.50	20 00

ROOTED GERANIUM CUTTINGS

Double and single, best variety, $2.00 per 100; $15 00 per 1000.

Strong pot plants, $3.00 per 100 ; $25.00 per 1000.

STRONG, FIELD-GROWN CARNATIONS HEALTHY STOCK

Flora Hill, Armazindy, price, $5.00 per 100.

John Young, New York, price, $5.00 per 100.

C. A. Dana McGowan Alaska

Price, $4.00 per 100.

CYCLAMEN GIGANTEUM.

From 3 inch pots,	in bud.	$8.00 per 100
" 3½ "	" "	10.00 "

MISCELLANEOUS.

	100	1000
Anthemis, Double Golden Marguerite.	$2.00	
Ageratum, blue and white	1.00	$8 00
" Princess Pauline	1.50	
Coleus, all leading sorts	1.00	8 00
Fuchsias, double and single	2 00	15.00
Feverfew	1.50	12.00
Heliotrope, light and dark	1 25	10.00
Impatiens Sultani	2.00	
Moon Vines, true	2 00	15 00
Salvias, Splendens and Bedman	1.25	10.00

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

ALTERNANTHERA Red and Yellow. Rooted Cuttings, 100, 50c. ; 1000, $4.

SELAGINELLA DENTICULATA, extra fine, 2 inch, per 100, $2.00.

E. I. RAWLINGS, Quakertown, Pa.

Mention the Florists' Exchange when writing.

GRAND SMILAX.

Cut Strings 6 to 8 feet long.

Mrs. Fisher Carnations, fine Summer bloomer, from soil, $1.00 per 100; 2½ in. pots, $2.00 per 100.

CHRYSANTHEMUMS

Merry Xmas. Latest White, 2 in. pots.

Monimort. Early Pink . . $2 00 per 100.

Merry Monarch. Early White.

Bonnaffon, the money maker.

Cash with order. **WM. KEIR, Pikesville, Md**

Mention the Florists' Exchange when writing

CHRYSANTHEMUMS

STOCK PLANTS.

Mrs. Perrine, The Queen, Eugene Dailledouze, Reimers, Modesto, Merry Monarch, Golden Wedding, Sunderbruch, Marion Henderson, Mrs H. Robinson, Bergmann, Glory of the Pacific, Murdock, Miss M. Johnson, Major Bonnaffon, $5.00 per 100. Cash.

Mixed of above, $3.00 per 100.

C. H. REED, 706 S. 20th St., **Birmingham, Ala.**

Mention the Florists' Exchange when writing.

ROOM WANTED

Cinerarias, healthy and strong, 2½ in....	100,	$1 50
Primroses, in bud and flower, 3 in.....	"	2.50
Ageratum, Princess Pauline, 2 in.....	"	1 50
Rooted Cuttings	"	.50
Geraniums, mixed, 2½ in.....	"	2 00
Coleus, mixed. 2½ in.....	"	2.00
Carnations, Flora Hill, Scott, McGowan, Portia, Rose Queen, etc. ; rooted cuttings for early bloom.....	"	1.00

RICHARD INSALL, West Moorestown, N.J.

Lock Box 514. Near Philadelphia.

Mention the Florists' Exchange when writing.

CYCLAMEN PERSICUM GIGANTEUM

No finer strain on the market. Transplanted in flats, $2 00 per 100; $18.00 per 1000.

Forget-Me-Not, stocky pot plants, $2.00 per 100. Large clumps for benching or dividing, $4.00 per 100.

Chinese Primrose, 2 inch, $1 50 per 100.

Ruby Primrose, in bud and bloom, $3.00 per 100.

Rudbeckia, Golden Glow, $3 00 per 100.

Double Petunias, in splendid mixture. Rooted cuttings, $1.00 per 100.

Alternanthera, 50 cts. per 100 ; $4.00 per 1000.

ORANGE FLORAL CO., - - West Orange, N. J.

Mention the Florists' Exchange when writing.

GERANIUMS

A fine assortment, 2 inch plants, $2.50 per 100.

IVY GERANIUM, Souv. Chas. Turner $2 50 per 100.

Coleus, Ageratum, Etc., $2.00 per 100.

A. J. BALDWIN, Newark, Ohio.

Mention the Florists' Exchange when writing.

FUNKIA LANCIFOLIA GREENLEAFED.

A fine hardy bordering plant. The spikes of Lavender-blue flowers are nice for funeral work. $2.00 per 10 ; $15.00 per 1000.

EULALIA striated, $2 00 per 1 0.

PANSIES, $4.00, $10.00 and $12.00 per 1000.

Would exchange for carnations or other stock needed.

W. C. JENNISON, Natick, Mass.

Mention the Florists' Exchange when writing.

300,000 VERBENAS

60 finest named varieties, including our new **MAMMOTH WHITE MRS. McKINLEY.** The finest white Verbena grown.

Perfectly healthy. Free from rust.

Rooted cuttings, 60 cts. per 100; $5 00 per 1000.

Plants, $2 50 per 100; $20.00 per 1000.

Our list is the choice from millions of seedlings

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

DOUBLE PETUNIAS. OVER 75 VARS., NAMED.

I have the finest and largest collection in the country, an immense stock, and can fill all orders without delay.

Rooted Cuttings, by mail, $1.25 per 100. **Grandiflora,** single, 10 vars., $1.25 per 100.

"I saw the bloom of Mr. Hughes' petunias, both double and single, and they are very fine."

HENRY F. MICHELL.

Ivy Geranium, 12 vars.....	....$1.50	per 100
Heliotrope, 16 vars.....	1.00	"
Ageratum, Princess Pauline.....	1.00	"
Mars Germinum	2.00	"
Gazania, splendens.....	1.50	"
Cyclamen Giganteum, 4 colors, 4 in. pots.....	4.00	"
Chinese Primrose, 3 in., 6 colors	3.00	"
Dracæna Indivisa, 2 in. pots.....	2.00	"
Cuphea, Cigar Plant	.75	"
Ageratum, White and Blue	.75	"

Cash with order, please.

GEORGE J HUGHES, Berlin, N. J.

Mention the Florists' Exchange when writing.

FLORIDA PLANTS, BULBS and LEAVES. Cheap. **Crinum** Kirkii, extra large, $15.00 per 100; large, $9.00 to $12.00 per 100. C. Peduncularum (rare), large, 50c. each; medium, 30c. each. **Russina Violets,** best for South, $3.00 per 100 ; $25 00 per 1000. **Nephrolepis Exaltata** (Sword Fern), from open ground, $3.00 per 100. **Canna Flaccida,** finest, pure yellow, 50c. per 10 ; $1.00 per 100. **Sabal Palmetto,** from open ground, 1 ft., $5.00 per 100 ; 2 ft., $8.00 per 100 ; 3 to 4 ft., $3 00 per 10. **Gelsemium,** yellow Jasmine, from open ground, splendid climber, $1.00 per 10 ; $6 per 100. **Dried Palmetto Leaves,** and other supplies from the woods, 30 years' experience.

JAMES CALDWELL, Kissimmee, Fla.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS!

Coleus, Crimson Verschaffeltii, Golden Bedder and Golden Queen.....	100 $0.75	1000 $6.00
In variety.....	.60	5 00
M. Sallerol Geraniums, from soil..	1 25	10.00
Alternantherns, P. Major and A. Nana, from soil.....	.60	5 00
Ageratum, blue and white.....	.50	
" Princess Pauline.....	.75	
Cuphea (Cigar Plant).....	1.00	
Double Petunias, 30 varieties.....	1.25	
Feverfew, Little Gem.....	1.00	
Giant Alyssum.....	.60	
Heliotropes, 12 varieties.....	1.00	
" 2 inch pots.....	2.00	
Salvia Splendens and Bedman....	1.00	

Plants by the 100, by mail, prepaid. Cash with order.

C. A. HARRIS & CO., DELANSON, N Y.

Mention the Florists' Exchange when writing.

CHOICE STOCK FOR CHRISTMAS TRADE.

	Per 100
Cyclamen, 4 colors, 2½ in. pots.....	$5 00
Asparagus Sprengeri, 2½ in. pots, extra strong.....	6 00
Asparagus Sprengeri, 3 in. pots, very large.....	8 00
Primroses, (Chinese), 3 in. pots.....	5 00
" " 4 "	8 00
" " 6 in. pans, $3 00 per doz.	
" (Obconica Grandiflora and Hybridum), same size and price as Chinese Primroses. All in bud and bloom.	

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

CINERARIAS

From Benary, Cannell and Sutton's prize show flowers saved, dwarf and semi-dwarf, giant flowered, finest shades and colors. We are headquarters, and can supply any quantity in fine, stocky plants. 2½ in., $2 0 per 100; $5.00 per 300. 3 in., $3.00 per 100. Large plants, 4 in., $1.00 per doz.

SHELLROAD GREENHOUSE CO.

Grange P. O., Baltimore, Md.

Mention the Florists' Exchange when writing

GERANIUMS

Most desirable BEDDERS, in semi-double scarlets, pinks, salmons, white; S. A. Nutt, and best market varieties, single and double; also **BEGONIA Erfordi** and **Verdon,** in red, pink and white. Replanted, fine stock, $16 00 per 1000.

COLEUS, red, yellow, and a large variety of very finest colors, $6.00 per 1000.

PANSIES, my select strains, replanted, **Bugnot, $3 00, Giants $6 00** per 1000. One hundred rates, same by express. TERMS CASH.

Finest **Petunias, Verbenas, Heliotropes, Etc.** Send for General List and Prices.

DANIEL K. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing

XX STOCK XX

CYCLAMEN Persicum Splendens Giganteum, a few hundred plants left, in bud, from 4 in. pots, $1.50 per doz. ; $12.00 per 100.

NOW READY—Cyclamen P. S. Giganteum, in 4 true colors, twice transplanted from flats, $2.50 per 100 ; $20.00 per 1000.

CHINESE PRIMROSES Fringed foliage, finest market varieties, from 2½ in. pots, $2.50 per 100; from 3 in. pots, strong, well-grown plants, in seven colors, including blue, double white and red, $4.00 per 100 ; from 4 in. pots, $1.00 per doz. ; $8.00 per 100.

PELARGONIUMS Best market varieties, from 2½ in. pots, $3 00 per 100.

GERANIUMS Double Grant, S. A. Nutt, Gloire de France, from 2½ in. pots, $2.50 per 100.

XX CARNATIONS Rooted cuttings, Daybreak, Wm. Scott, McGowan, $1.50 per 100, $12.00 per 1000; Frances Joost, Geo. Bradt, White Cloud, Mary Wood, etc., $3.00 per 100, $25.00 per 1000. All the above warranted A No. 1 Stock.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

THE STORRS & HARRISON CO., Box 936, PAINESVILLE, OHIO.

Leading American Nurserymen, offer one of the Most Complete Assortments of

FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.

46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

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New Ever-blooming Geranium

AMERICA

SEEDLING OF MARS.

An Ideal Geranium for pot culture and bedding. It is of a stronger growth and larger foliage than Mars, retaining the dwarfness and floriferousness of that parent. On opening the flowers are white with salmon center; once open they shade through all salmon and rose tints, until they become deep, pure rose, when fully open. As all color shadings appear at one time on each truss, the effect is unequaled in the class of geraniums. The trusses are as large as Mrs. E. G. Hill, under good culture. This variety will become even more popular than its parents. **50 cts. each ; $5.00 per doz.**

CASH, PLEASE.

H. EICHHOLZ, Waynesboro, Pa

Mention the Florists' Exchange when writing

3000 PRIMROSES

2¼ in., $2.00 per 100.

ROOTED CUTTINGS.

GERANIUMS—	Per 100
Mrs. Parker, Double Pink, Silver Leaf.....	$4.00
Silver Leaf, Rose Scented	1.50
Mme. Salleroi.....	1.25
Double New Life, R. C...	4.00
Mrs. Pollock, Happy Thought, $2.00 per 100.	
Bronze.....	$1.50 per 100.
Mars, Freak of Nature, $3 a 100.	
Assorted (common), $1.50 a 100.	
Best varieties, $2.00 per 100.	
Mme. Bruant, $2.50 per 100.	
Mixed, $1.25 a 100; $12.00 a 1000.	

	Per 100
Manettia Bicolor.....	$2.00
Vinca.....	1.50
Salvia.....	1.25
Heliotrope.....	1.25
Begonia Erfordii.....	2.00
Begonia, Rex.....	2 00
Begonia Inc. Gigantea	2.00
Impatiens Sultani.....	2.00
Forget-Me-Not (Winter Flowering).....	2.00
Alternantheras, red and yellow, Summer struck, $1 a 100 ; $9 00 per 1000.	

Alternantheras, red and yellow, 60c. per 100 ; $5 per 1000.

Tradescantia Tricolor, $2.00 per 100.

Fuchsias, assorted, $1.50 a 100.

Sun Ray, variegated red, white and green, $4.00 a 100.

Trailing Queen, $1 50 a 100.

Lemon Verbena, $1.50 a 100.

COLEUS—

Fancy and large leaf..... $1.00

Separate colors..... .80

Mixed..... .60

Let us book your order now for the **BEST LATE WHITE 'MUM** for florists' use, rooted cuttings, $2.00 per 100.

PLANTS.

GERANIUMS—	Per 100
Mrs. Parker.....	$6.00
Happy Thought, 2½ in...	4.00
Silver Leaf, 2½ in.....	4.00
Mrs. Pollock, 2¼ in.....	4.00
Forget-Me-Not (Winter Flowering) 2½ in.....	4.00
Mignonette, 2 in.....	2.00
Primrose, in bud, 2½ in.	3 00
Primula Obconica, 2 in., $2 a 100; in flats, $1.50 a 100.	

BEGONIAS—	Per 100
Rex, assorted, 2½ in.....	$4.00
" named.....	6.00
Incarnata Gigantea, 4 in., ready for 6 in.....	15.00
Incarnata Gigantea, 2½ in., ready for 4 in., $4 to	6.00
Double White Stock, 3 in.....	3.00
LEMON VERBENAS, $3.00, $4.00 and.....	6.00

	Per 100
Hydrangea, pink, 3 in...	$6.00
Anthericum, 3 in.....	6.00
Dracæna Indivisa, in flats.....	5.00
Vinca, 3 in.....	5.00
Manettia Bicolor, 2½ in.	4.00
Fragrant Calla, 2½ inch, 1.50 per doz.	
Fragrant Calla, 4 inch, $8.00 per doz.	

Terms, Cash or C. O. D. **GREENE & UNDERHILL, Watertown, N.Y.**

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.

To foreign countries in postal union $2.00. Payable in advance. The date on the address label indicates when subscription expires.

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Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

CORRESPONDENTS.

The following staff of writers are regular contributors to the columns of the FLORISTS' EXCHANGE.

[Any items of news, subscriptions, or advertisements, handed to these gentlemen will by them be at once forwarded to headquarters and will receive our careful attention.]

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The Prize Competition.

Our prize competition for suggestions for an improved service on the part of The FLORISTS' EXCHANGE to its readers closed last week. The result of the contest will be announced in the near future. We thank those who have proffered their good services on the present occasion, and feel confident that from the various helpful suggestions submitted much mutual benefit will result.

When do you receive your Florists' Exchange?

Each subscriber is particularly requested to drop us a postal card stating what is the usual day and hour at which his copies of the FLORISTS' EXCHANGE reach him, and whether he has free delivery or calls at post office for his paper; also, if possible, at what day and hour the papers reach his post office.

With this information at hand, the publishers will be in a position to make the necessary changes in the method of mailing papers to better serve all subscribers.

Please attend to this at once.

A Living Profit and a Living Wage.

In the current issue of the *Forum* appears a very suggestive article on this subject, in which the writer furnishes some particulars regarding a scheme that has worked out very advantageously in England with some trades and through which "a living profit" is secured to the producer and "a living wage" to the employee. The cardinal principles of the scheme are: (1) Selling from the well-ascertained cost of production; and (2) co-operation with the work-people in securing a fair profit. The first thing to be done looking to the carrying out of the plan is to persuade the members of a trade to form an association; the next is to get them to form a large and representative committee to assist in working out the cost of production of every article that the association is intended to cover.

We quote briefly from the article in question, as follows:

"The conclusions arrived at are those which suit the trade as a whole, not those that would suit any individual member. As the benefit to a community only can be considered, there are compromises to be made, special advantages to be given up. In other words, instead of securing more trade to the ruin of some less privileged competitors, special advantages in the shape of large capital, and others too numerous to mention, have to be used for the purpose of making more profit. There is no restriction of enterprise, ingenuity, practical knowledge, or energy; nor is there any limit fixed on selling prices. The best quality may command the best prices. The only limit relates to the minimum profit, on cost, that must be obtained. The profit may be made as low as the association pleases, to suit the circumstances of a trade; but no one can sell without it. On some goods a larger profit may be fixed than on others; but nothing may be sold without a profit, unless by decision of the association, and for temporary fighting purposes only. In different trades this system operates differently.

"In the metallic-bedstead trade, for example, there are no association price lists. Each member sells at his own prices, and is at liberty to cheapen the cost as much as possible, within the association regulations, and to lower his prices accordingly; but whenever called upon he must be able to show that, after making out his calculations on association lines, there is still the minimum margin of profit provided in his selling prices. Consequently, each one competes with the others as to the cost of production. When unnecessary, bulk is avoided, as the prices of material are fixed for the time being. The wages for each process are scheduled, and cannot be set down at less; but processes may be omitted and not charged for. Cheap articles may, therefore, be made and sold at their true value; but they cannot be sold without profit. It thus becomes a race of ingenuity and of practical knowledge. If a maker rises to the top it is not by means of those advantages of fortune by which he has in the past been able to crush others, but by the proper exercise of his faculties. Wherever this method of individual selling prices can be adopted the articles sold will vary in price as much as ever, but they will also vary in quality, and they must stand on their merits. The result is that, although the manufacturer obtains fair profits on all he sells, the public is in many instances able to buy his productions as cheap as before. Moreover, the lowering of the cost of production, instead of diminishing, often increases the real value of the article sold.

"There are, however, some trades in which an association selling price is a necessity. The cost of production has to be made a fixture, as no variation is possible except in the matter of working expenses. A uniform list is therefore adopted. In some of these associations there is no need to grant special privileges to any one. One maker's article will sell as well as another's; and nothing but business faculty and attention to business will give an advantage. In other associations it is found necessary to allow special privileges in the way of larger discounts off selling prices to those members who are handicapped in the race for equality. This is done by a system of grading. As the arrangement is automatic, adjusting itself every half-year, the privilege cannot be used for the purpose of stealing the trade of another member. It is simply a means by which each member may retain the trade he had before the association was formed. Should he wish to increase it there is nothing to prevent; but he cannot be allowed to undersell. There is sometimes added a system of compensation for any loss of trade caused by the association. In some associations both the grading and the compensation rules are adopted. Up to the present no member of any association has ever claimed compensation. Of course the schedules prepared for taking out costs include equal charges for carriage, allowances to merchants, agents and large buyers, as well as all the other matters incident to trade.

"This, then, is the foundation of the system. Each member is compelled to learn how to take out the cost of his productions. It instructs ignorance, corrects carelessness and prevents recklessness; and each business is conducted on true business lines. It will be naturally and correctly assumed that the code of rules under which such associations work provides for penalties for underselling, for the establishment of an investigation department and for the formation of a guarantee fund to prevent breach of faith. This fund is formed, I think, by an original method: the money is not found, but merely guaranteed to a banker, who can call it in at the request of the association. Thus, each member is liable, but does not have to take the money out of his business, unless by his own infidelity he gives to the trustees the power to demand it. Every precaution is taken to secure for each member such safeguards as will make it impossible for him to be unjustly convicted."

The writer then proceeds to show how labor troubles (fortunately absent in the florist trade) are averted through doing away with underselling and the maintenance of a remunerative wage for services performed.

Of course, as pointed out, such a policy, once adopted, must be pursued with faith and determination, otherwise the plan becomes abortive.

It appears to us that the scheme, as herein outlined, presents great possibilities for the florist, nursery and seed trades, and that each of these bodies should give the matter the consideration that, in our opinion, it deserves. The day has passed when a trade can afford to allow to go unnoticed the matter of securing for those engaged in it "a living profit," and our respective associations could bend their energies to no more useful work than the securing of such to their own members at least, which include the bone and sinew of the business.

Our columns are open for a full discussion of this very important subject.

To Whom Belongs the Credit?

Editor Florists' Exchange.

Supposing an employe in a florist's concern, by means of hybridizing or cross-fertilizing, secures a new variety of a plant, is he entitled to the credit of originating such variety, and should that credit be accorded to him when first public mention of the new variety is made? WORKMAN.

—In many of the first-class concerns in the old country men are kept for the especial purpose of securing, if possible, new varieties; these workmen are generally styled "hybridizers," and as far as we understand no effort has ever been made by their employers to deprive them of any credit that may attach to their successful work. Take, for instance, the case of the late John Seden, as an example, whose efforts in connection with the breeding of the begonia and other plants is well known. His employers did not hesitate to accredit him with his productions, even to the extent of attaching his name thereto, in several cases. There are in the old country many examples similar to that of Seden.

Now, if men employed and paid for the special service of obtaining new varieties, have not been denied the credit of their work, it would seem but justice that those who may chance to originate a meritorious new plant should be granted a like acknowledgment, providing the work producing the novelty has been entirely original with the performer, and not the fulfillment of instruction from somebody else. We think this is an act that every employer owes to his talented help, in order to encouragement along the same lines; and we are not in possession of any data to the contrary. Employers, as a rule, are sensible men, and whatever they may be in other matters we don't think they err in this particular.

In connection with this subject the question of ownership of the new variety may arise. That, we think, is easily settled. The result of work done for, and with the material of, an employer, and performed during working hours, is assuredly the possession of such employer. He may place the new plant so obtained on the market in his own name, and to attach the facts concerning its origination by an employe, would not detract in the least from his own reputation, or impair the inherent merits of the novelty. In several catalogues we find the practice common of furnishing information relative to the origin of new stock, and that, too, where a bonus has been paid for such goods. That the appearance of the names of employes as originators of new varieties is not more general in America is probably owing to the fact that the work of cross-fertilization and hybridization has been almost wholly performed by employers themselves or under their immediate direction.

American Carnation Society.

The premium list for the ninth annual meeting and exhibition of this society, which occurs on Thursday and Friday, February 15 and 16, next, at Buffalo, N. Y., has just been issued. The meeting will be held in "Morgan Hall," Huron and Main streets, round the corner from the Genesee Hotel. The exhibition will be held in the same hall. Attention is called to the opportunities these shows afford the introducers of new varieties, in bringing them before a goodly number of buyers. Tables are provided for a display of varieties not intended for competition. Exhibits can be addressed to Chas. H. Keitsch, 495 Washington, street, Buffalo.

At this meeting a paper is expected from Professor F. A. Sirrine, of Jamaica, N. Y., on "Carnations Pests;" one from Peter Fisher, Ellis, Mass., on the "The Hybridization of Carnations." A discussion on "Sub-Irrigation" will be opened by C. W. Ward, of Queens, N. Y. A discussion on "The Merits of Indoor Culture" will be opened by Jas. Hartshorne, of Joliet, Ill. The question box is opened for inquiries at all times, and if they are forwarded to the secretary not less than two weeks before the meeting an effort will be made to get them answered by the most competent party.

The scale of points to be used for judging all carnations at this exhibition is as follows:

Color, 25; size, 20; calyx, 5; stem, 20; substance, 10; form, 15; fragrance, 5. Total, 100.

To secure a certificate or preliminary certificate a carnation must score 85 or more points.

In the general classes a score of 85 or more will be required to award a carnation first premium. This is made a rule so as to bring and keep the shows up to the highest possible standard.

The regulations governing the competition for seedlings for the certificate of merit are:

(1) The variety must have been bloomed not less than three years.

(2) Not less than 50 blooms must be shown.

(3) Exhibitors entering for the certificate are required to pay an entrance fee of $5 for each variety so entered. Those varieties entered in the class for preliminary certificate at Philadelphia will be entitled to compete for the certificate upon the payment of $3 for each variety entered.

Two-year-old seedlings can compete for a preliminary certificate by exhibiting 12 blooms and the payment of $2 for each variety so entered; this payment entitling them to compete for the certificate at the next exhibition, upon the payment of $3 for each variety, from this class.

A very large number of premiums is offered. Among special prizes are the following:

The Cottage Gardens, Queens, N. Y., offers a silver cup to the value of $25, open to all, for the best crimson seedling carnation which has not yet been distributed, judging to be according to the rules of this society.

In competing for this premium each vase contesting shall consist of exactly 24 perfect blooms, 6 buds showing color, and 6 buds half open. By a perfect flower shall be meant one that has not a bursted calyx, has a stiff stem at least 15 inches long, and otherwise reasonably perfect in form. No premium shall be awarded to a variety that possesses a weak neck, that is, one that does not hold the flower reasonably erect. No premium to be awarded to a seedling of the commercial class which shall be inferior to the best variety of its class now in commerce, and no premium to be awarded to a seedling, the flower of which shall be less than 2 inches in diameter.

The Chicago Carnation Co., Joliet, Ill., offers a silver cup valued at $25, for the best light pink seedling not yet disseminated; 50 blooms to be shown.

E. H. Michel, St. Louis, Mo., offers a fine silver cup to the individual or firm making the largest and the finest display. Entries in any of the classes are to be taken into consideration in the award, and the cup must be won twice out of three competitions to become the property of the winner.

The American Carnation Society offers a fine silver cup for the best arrangement of carnation blooms, with their own or other foliage, but no other flowers to be used in the arrangement, and the design or arrangement must be such as to offer some new use for carnation blooms to have the cup awarded.

The Lawson gold medal will be award-

ed for the best vase of 100 blooms, any variety or any color. Medal valued at $60.

A silver medal will be awarded for the best vase of 25 blooms of a seedling carnation undisseminated.

The rules governing the Sweepstake Competition are as follows:

(1) Each competitor shall deposit with the treasurer in advance of the meeting a deposit of $5, and an additional $5 when he stages his flowers.

(2) Any competitor may enter one or more varieties by paying the entry fee for each variety.

(3) The number of blooms exhibited shall be 12.

(4) No first year seedlings shall be allowed to compete.

(5) The judging shall be according to the scale of points adopted by this society. Size shall be determined by a measurement of the largest diameter and the length over the top, dividing the product of these measurements by two.

(6) The premiums shall be two in number first and second; the first to be two-thirds of the amount subscribed, and the second premium, the remaining one-third; and in addition the society shall give its silver medal as a third premium.

(7) No competitor shall be allowed to serve as judge.

The schedule is a neatly printed pamphlet, and contains full particulars regarding the meeting and exhibition. Every carnation grower should be represented at the Buffalo gathering, which bids fair to be the largest in the society's history.

Send to Secretary Albert M. Herr, Lancaster, Pa., for a copy of the Premium List. He will be glad to answer all inquiries.

The American Carnation Society.

Mr. James Allen, gardener to A. C. Lambert, Paterson, N. J., registers Belle Vista, a cross between Scott and Daybreak; in color a light pink, petals large and broad; a clean, strong grower, habit and growth resembles Scott, and it is a very free bloomer.

J. E. Sibley registered by Philip Heilig should be J. C. Sibley.

ALBERT M. HERR, Secretary.
Lancaster, Pa.

Society of American Florists and Ornamental Horticulturists.

President Wood has appointed Messrs. J. D. Carmody, Evansville, Ind.; J. F. Sullivan, Detroit, Mich., and A. B. Cartledge, Philadelphia, Pa., members of the Executive Committee to serve for a period of three years from January 1, 1900.

WM. J. STEWART, Secretary.

The program of the Worcester (Mass.) County Horticultural Society, for the Winter season, 1900, has been issued. Among some of the subjects to be discussed are:

January 11—The justification of the flower grower, or the reasons why people grow flowers and the good they do generally. Rev. Mages Pratt, Hartford, Conn.; January 25—Budding and grafting and the influence of stock upon cion and fruit. Arthur J. Marble. To be followed by several prominent fruit growers; February 8—Home grounds, adornment with native trees, shrubs and plants. W. E. Britton, Professor of Horticulture, Connecticut Agricultural Experimen Station, New Haven; February 15—Remunerative out-door occupations for women. Mary E. Cutler, Winthrop Gardens, Holliston, Mass.; February 22—The relation of good roads to horticulture and agriculture. B. W. Potter, Esq.; March 1—My flower garden. Hon. Alfred S. Roe; March 8—Horticulture and education. Homer P. Lewis, Principal English High School, Worcester. On Wednesday and Thursday, March 14 and 15, occurs the Massachusetts Fruit Growers' Association Convention.

OSHKOSH, WIS.—Christmas trade was a little better than last year. The best selling plants were azaleas, poinsettias, primroses, palms and ferns; cut flowers, roses, carnations and hyacinths. Roses brought $1 to $2 per dozen; carnations from 50c. to 75c. per dozen; supply of stock was insufficient.—F. M.

Washingtonville, N. Y.—Fred J. Merritt was married to Miss Edith L. Hawxhurst on Wednesday, January 3.

LEAGAL QUESTION.

Breach of Contract.

On December 4 we were advised that on the Friday preceding Christmas we would be shipped 1,500 carnations; 400 roses at the market price, per our request; also on the 20th, 48 hours before shipment, we were advised that our order would be cared for. We heard nothing more from the growers until Thursday, when we received a wire stating that they could fill only part of order, *but they never sent a flower.* The damage to us is considerable in disappointing our trade, and as our order was solicited, and as we have been buying from these same parties, we feel somewhat put out. We were never treated so before in our 25 years of business. Is there any recourse? GROWERS.
New York.

—I would say that you have good chance of recovery against the parties who agreed to ship the goods mentioned but failed to do so, for breach of contract. The amount which you can probably recover will be your prospective profits on these goods. However, the law of New York, and in most States, provides that prospective profits cannot be recovered unless both contracting parties are aware, at the time of making the contract, that in all probability a loss would occur in case the contract is not fulfilled.

You do not state in your letter where the consignors are engaged in business, and as that place is the place where the contract was made, the law of that State as to recovery would govern; but since the laws of most States as to the amount which can be recovered for a breach of contract are in substance similar, I can say that in all probability you can recover in this case the difference between the contract price of the goods and the price for which you were to sell them to your customers.

The law in most States is that the contract for the sale of goods for the price of $50 or more shall be evidenced by writing. Since the contract in this case was made by letter, you will have no difficulty in proving the same. I have given you the general law on the subject, and have stated to you what your chance of recovery is, from the facts presented in your letter.

ROBERT G. PERRY,
Coun. for Nat. Florists' Board of Trade.

An Index to Vol. XI, of the FLORISTS' EXCHANGE, for the year 1899, accompanies this issue.

The trade at New Year's is generally reported satisfactory, Christmas prices, in many places, being well maintained.

We have received from H. Beaulieu, Woodhaven, N. Y., a colored plate of the Mme. Parret novelties in Giant Pansies, for the sale of which Mr. Beaulieu is American agent.

We are in receipt from Benjamin Hammond, Fishkill-on-Hudson N. Y., of a memorandum book for 1900, which also contains some facts regarding slug shot, putty and paints.

In the article on Dipladenia Mrs. George McWilliam (p. 1297, FLORISTS' EXCHANGE, December 30 last,) the size of the flowers is given as ¾-inch in diameter; this should, of course, read 3 to 4 inches.

The annual meeting of the State Florists of Indiana occurs at the horticultural rooms, State House, Indianapolis, Tuesday, January 9, 2 p. m. E. G. Hill is president and R. A. McKeand secretary.

Congressman O'Grady, of the Rochester district, is reported to be in correspondence with the Department of Agriculture at Washington relative to the matter of extending the trade mark or copyright laws so as to cover new plants, the result of which, it is said, will doubtless be a bill to be introduced in Congress.

There are said to be in Japan 269 color varieties of the chrysanthemum, of which 63 are yellow, 87 white, 32 purple, 30 red, 31 pale pink, 12 russet and 14 of mixed colors. A fancy prevails that in this flower the same tint is never exactly reproduced, and that it thus suggests the endless variety of the human countenance. *Flowers of Japan.*

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REVIEW OF THE WORK OF THE CHRYSANTHEMUM SOCIETY OF AMERICA FOR 1899.

Exhibited By	Date.	Where Shown.	Name of Variety.	Color.	Type.	Points Scored.											Remarks.
						Scale	Color	Form	Fullness	Stem and Foliage	Subst'ce	Size	Distinct	Stem	Foliage	Total	
Grove P. Rawson, Elmira, N.Y.	Oct. 14	Boston	Primo	White	Jap.	C	23	22	12	8	7	15	....	....	....	87	Certificate.
	Nov. 4	Boston	Zaza	White	Dbl. Jap. Ane.	C	24	15	12	8	8	2	....	....	....	69	
						E	14	10	6	....	....	2	20	10	6	68	
Nath. Smith & Son, Adrian, Mich.	Oct. 21	Cinci'ti.	Monrovia	Yellow	Jap. Ref.	C	22	18	14	9	10	12	....	....	....	85	Certificate.
	Oct. 21	Chic'go			Jap.	C	22	20	13	7	8	13	....	....	....	83	
	Nov. 11	Phila...	Orizaba	Pink	Jap. Inc.	C	20	23	14	9	8	12	....	....	....	86	Certificate.
						E	12	14	9	....	....	12	19	9	9	84	
	Nov. 11	Cinci'ti.				C	18	16	11	8	8	11	....	....	....	74	
	Nov. 11	Chic'go				C	19	22	23	8	8	13	....	....	....	83	
	Nov. 11	Phila...	Nesota	Yellow	Ref.	C	23	20	10	9	7	14	....	....	....	83	
						E	14	12	7	....	....	14	23	9	9	88	Certificate.
	Nov. 11	Cinci'ti.				C	14	12	7	10	6	12	....	....	....	61	
	Nov. 11	Phila...	No. 72	L't bronze-yellow.	Jap. Inc.	C	20	21	13	9	8	12	....	....	....	83	
						E	12	12	8	....	....	12	21	9	9	83	
	Nov. 11	Cinci'ti.		Bronze		C	14	11	10	9	7	11	....	....	....	62	
	Nov. 25	N. Y.....	Pluma	Light pink		C	15	24	15	8	8	10	....	....	....	80	Hairy.
	Nov. 25	Boston		Delicate pink		E	13	12	10	....	....	15	20	10	6	86	Hairy. Certificate.
	Nov. 25	Phila...		Light pink	Inc.	C	20	23	14	8	9	12	....	....	....	86	Mrs. A. Hardy type.
						E	11	13	9	....	....	12	23	9	8	85	
	Nov. 25	Chic'go		Pink		E	11	13	10	....	....	12	21	8	8	83	Hirsute.
	Nov. 25	N. Y.....	Gold-Mine (Exhibited as Stelleta)	Rich yellow	Jap.	C	24	23	14	9	10	15	....	....	....	95	Certificate.
						E	15	12	9	....	....	14	25	10	10	95	
	Nov. 25	Phila...		Yellow	Jap. Ref.	C	23	22	12	8	8	15	....	....	....	88	
						E	12	12	8	....	....	15	23	9	9	88	
	Nov. 25	Chic'go			Jap.	C	24	23	14	8	10	13	....	....	....	92	
	Nov. 25	N. Y.....	White Bonnaffon	White	Inc.	C	20	24	15	10	10	10	....	....	....	89	Not a sport from Bonnaffon. Certificate.
	Nov. 25	Phila...			Jap. Inc.	C	22	23	13	9	9	13	....	....	....	89	
	Nov. 25	Chic'go			Inc.	C	22	22	13	8	8	12	....	....	....	85	
	Nov. 25	Boston	Intensity	Crimson	Jap.	C	25	25	15	7	10	12	....	....	....	94	Certificate.
						E	15	12	10	....	....	15	23	10	5	90	
	Nov. 25	Phila...			Jap. Ref.	C	23	22	14	7	8	13	....	....	....	87	
						E	13	12	8	....	....	13	22	6	8	82	
	Nov. 25	Chic'go				E	12	13	10	....	....	12	21	7	7	82	
	Nov. 25	Boston	Lavender Queen	Deep lavender pink		C	25	23	15	8	6	15	....	....	....	92	Certificate.
						E	15	14	10	....	....	15	22	10	9	95	
	Nov. 25	Phila...		Pink		C	19	21	13	9	8	13	....	....	....	83	
						E	11	12	8	....	....	13	20	9	9	82	
	Dec. 2	Boston	White Bonnaffon	Cream white	Jap. Inc.	C	20	25	15	9	10	8	....	....	....	87	
	Dec. 2	Boston	Gold-Mine	Golden yellow	Jap.	C	25	23	15	9	10	15	....	....	....	97	
						E	15	14	10	....	....	15	25	10	8	97	
	Dec. 9	N. Y.....	Superba	Silvery pink	Jap. Inc.	C	23	22	15	8	9	13	....	....	....	90	Certificate.
	Dec. 9	Phila...		Pink		C	22	23	14	9	9	13	....	....	....	90	
	Dec. 9	Chic'go			Jap.	C	22	23	15	7	10	12	....	....	....	89	
	Dec. 16	Boston		Silvery pink	Jap. Inc.	C	20	22	15	9	10	12	....	....	....	88	
	Dec. 16	Cinci'ti.				C	22	23	15	9	9	13	....	....	....	91	
H. A. Molatsch, Brooklyn, N.Y.	Oct. 21	Phila...	Walter Molatsch	Yellow	Inc.	C	23	22	13	8	8	13	....	....	....	87	Certificate.
						E	13	13	8	....	....	13	23	8	8	86	
	Oct. 21	N. Y.....		Rich clear yellow	Jap. Inc.	C	23	20	13	9	10	14	....	....	....	89	
	Oct. 21	Boston		Yellow		C	23	23	15	10	7	15	....	....	....	93	
Wm. Paul Binder, Rider, Md.	Oct. 21	Phila...	Georgina McDonald	White	Ref.	C	22	21	12	7	8	12	....	....	....	82	
						E	13	13	8	....	....	12	22	7	8	83	
	Oct. 28	Phila...	Marguerite	Lemon white	Jap.	C	21	22	14	7	8	13	....	....	....	85	Certificate.
						E	13	13	9	....	....	13	20	7	7	82	
	Oct. 28	Phila...	Mrs. Geo. C. Jenkins	Pale pink	Jap. Inc.	C	22	18	15	8	9	14	....	....	....	86	Certificate.
						E	13	12	10	....	....	14	22	8	8	87	
	Nov. 4	Phila...	Admiral Schley	Light pink	Jap. Inc.	C	20	23	14	8	9	12	....	....	....	86	Certificate.
						E	11	14	9	....	....	13	23	8	8	86	
John N. May, Summit, N. J.	Oct. 28	Phila...	No. 38	Pink		C	20	22	13	9	8	12	....	....	....	84	
						E	12	13	8	....	....	12	20	9	9	83	
	Oct. 28	Phila...	No. 125	Pale pink	Jap. Ref.	C	17	19	13	8	6	13	....	....	....	76	
						E	10	11	8	....	....	12	19	8	8	76	
	Oct. 28	Phila...	Winona	Light pink		C	21	23	14	9	8	14	....	....	....	89	Certificate.
						E	13	14	9	....	....	14	22	9	9	90	
	Nov. 4	Phila...	E No. 10	White	Jap. Inc.	C	22	22	12	8	8	11	....	....	....	83	
	Nov. 4	N. Y.....	Bonita	Bronze & old gold		C	20	23	13	8	8	10	....	....	....	82	
	Nov. 4	Phila...		Bronze		C	23	23	11	9	9	13	....	....	....	88	Certificate.
						E	13	14	7	....	....	12	22	9	9	86	
	Nov. 11	Phila...	E No. 5	White		C	22	22	14	6	8	12	....	....	....	84	
						E	13	13	9	....	....	12	20	6	8	81	
	Nov. 18	N. Y.....	Eulalie	White, tinted pink	Jap. Ane.	E	12	12	10	....	....	13	20	10	8	85	Certificate.
	Nov. 18	Phila...		White, lemon center	Anemone	C	20	23	15	8	8	13	....	....	....	87	
						E	13	14	10	....	....	13	23	8	8	89	
John Marshall, Purchase, N. Y.	Nov. 4	Boston	Col. D. Appleton	Yellow	Jap. Inc.	C	22	23	15	9	7	15	....	....	....	91	Certificate.
						E	13	14	10	....	....	15	23	10	8	93	
	Nov. 4	Chic'go				C	24	24	15	8	9	15	....	....	....	95	
	Nov. 18	Phila...				C	23	22	14	9	8	15	....	....	....	91	
						E	13	13	9	....	....	15	23	9	9	91	
Jas. Carstair, New Rochelle, N.Y.	Nov. 4	N. Y.....	Souci			C	24	22	13	9	9	13	....	....	....	90	Bright color. Cert.
M. Hansen, New Durham, N. J.	Nov. 11	N. Y.....	Mrs. Mariane Dalskov	White		C	20	13	10	8	8	7	....	....	....	66	Sport from Erminilda.
Robt. G. Carey, Gdr. to Thos. C. Price, Esq., Chestnut Hill, Pa	Nov. 18	Phila...	Chestnut Hill	Yellow		C	23	22	13	10	9	13	....	....	....	90	Certificate.
						E	13	14	8	....	....	12	22	29	10	88	
Mrs. J. G. Robinson, Santa Clara, C	Nov. 25	Cinci'ti.	Margaret Enright	White, shaded lemon	Jap.	C	20	23	14	9	10	13	....	....	....	89	Grown by Hill, & Co., Richmond, Ind. Cert.
Edward Salyer, Wilkes-Barre, Pa care Ira Marvin, Florist	Nov. 25	Phila...	Mrs. Edw. Salyer	White	Jap. Inc.	C	22	23	14	9	8	13	....	....	....	89	Certificate.
						E	13	12	9	....	....	13	22	9	9	87	
A. C. Zvolanek, W. Hoboken, N.J.	Dec. 19	Phila...	Florence E. Denzer	Light pink	Jap. Ref.	C	23	20	13	8	8	11	....	....	....	83	
	Dec. 20	Boston		Lilac pink	Jap.	C	23	20	15	8	10	10	....	....	....	86	Waxy white, reflex. Cert

ELMER D. SMITH, Sec'y.

This report was held for the current issue of the EXCHANGE, in accordance with the suggestion of Secretary Elmer D. Smith.

KALAMAZOO, MICH.—Christmas trade is pronounced satisfactory here. The call for cut flowers was very brisk at the following prices: Beauty, $3 to $6; teas, $1.50 to $3; carnations, 40c. to $1; violets, 25c. per dozen. Plant trade and holly dragged somewhat. Chinese and baby primroses, with palms and ferns, seemed to have the call in plants. A demand for the best grade of roses and carnations was quite noticeable, and for fancy carnations specially so. The weather was delightful all the week previous to Christmas, but on Christmas morning a small blizzard commenced which hampered deliveries considerably.

W. C. Cook, who recently started a store on Main street, has closed it and left the city.

John Calder has a sport, of the Daybreak type, from Armazindy, which promises to be of value.

Van Bochove & Bros. are very successful this year with Beauty. They are also trying most of the newer varieties in carnations; thus far, G. H. Crane and Mrs. Joost are the most satisfactory.

Fraser was elected to half a dozen different offices in the various Masonic lodges in the city. New Year's business will probably be about as usual, with present prices ruling.—B.

PLYMOUTH, MASS.—Christmas business showed a decided improvement over last year's. Prices ruled about the same. Carnations sold best at the uniform price of 60c. per dozen. Violets were in pretty good demand at 2c. each. Roses went very slow at $2 per dozen for Bridesmaid, the only variety I handled. White Roman hyacinths in pots, with Chinese and Baby primrose and cyclamen were the best sellers. Among the pots of bloom Asparagus Sprengeri and maidenhair ferns for 25c. and 50c. sold well. On the whole something for 25c. suited the trade better than anything higher priced.—F. H. L.

HINTS and HELPS.

A Good Bedding Plant.—One of the very best and easiest to get up in any quantity is the Madagascar periwinkle, Vinca rosea. To have the plants large enough, say in 3-inch pots, and in flower by the beginning of May, put in the seed now. The seedlings do not need to be pricked off when very small if not too thick in the seed box; they may remain until large enough to be potted off singly in thumbs, after that a shift into 3-inch will be sufficient. It may be well to bear in mind that there are three kinds commonly grown—one with rose-colored flowers, one pure white, and another white with pink center.

Cosmos Klondyke.—The yellow-flowered cosmos, Klondyke, whether as an early or late bloomer, should be grown. When for the latter purpose only a few plants may be experimented with, for if they behave like those I grew last season they will have to be lifted and flowered indoors. I am not satisfied that its reputed early flowering character has been permanently fixed, because all of the plants I raised last Spring from seed were late in showing buds, and not one of them developed in the open air, notwithstanding the very mild weather of the Fall months. But those which were lifted, potted and put in a cool greenhouse produced an amazing number of flowers, the last few fading only a week ago; and if for this use alone the variety is valuable. If it can be got to flower with the same profusion outside earlier in the season, it must be the most showy of all the composites; and that is saying a great deal.

Rooting Genista Cuttings.—Now is a good time to take cuttings of genistas, in order to have plants in 5-inch pots by this time next season. Select those shoots for the purpose which are perfectly dormant; if with a heel so much the better. Cut the bottom leaves off with a pair of scissors, and have the cuttings at least two inches in the sand. They should be put in bottom heat, covered with glass and shaded enough to prevent wilting. After rooting, put in the smallest sized pots, shifting on as they need it. Loam, peat and sand make a good compost for growing them in.

Ardisia crenulata continues to be one of the most attractive Christmas plants. It can be recommended as a first-class window plant, owing to its apparent indifference to a little cold or dryness at the roots. The ardisia will sometimes be seen with three crops of berries on the same plant; but more often with two crops, and the plant in bloom at the same time. When there is any choice in the matter the crop nearest the base of the plant should be chosen for seed; they may be known not only by their position on the plant as the oldest berries, but by their larger size and rather dingy appearance. As the season of their greatest usefulness is now past, seed should be sown immediately so that no time may be lost in getting the plants to a marketable size. Use porous soil in sowing and dress the surface firm.

Banana Seeds.—Ornamental bananas, such as Musa ensete and M. superba must be sown now if the plants are wanted to make any kind of a show the coming Summer. Cover the seeds with sand to the depth of about an inch, and give them the warmest part of the propagating bench. As soon as they make their first leaf pot in thumbs, using two-thirds leaf soil and one of sand. They luxuriate in this material.

Fuchsia cuttings.—Old plants of fuchsias should be under way by this time to provide wood for cuttings. The plants should be knocked out of their flowering pots, the balls reduced and given fresh soil; place them in heat and syringe freely. The growths for cuttings will start almost immediately. Do not take growths for cuttings which have been on the plants all Winter, as the wood is bound to be a trifle hard and does not turn out the best plants.

Bedding Begonias.—Seeds of these should be sown now, to have the seedlings in good shape for Spring sales. Cuttings may be put in, but they do not make anything like as good plants as those from seed. The seed should be sown in boxes or pans; firm the soil, scatter the seed thinly without covering it, or if it is necessary to cover, do so only with a very small quantity of fine sand, covering the box with a pane of glass until the seeds vegetate.

Maranta Massangeana.—Most of the marantas are looked upon with suspicion when offered as house plants. A great many of the species are worthless for this purpose, as they wilt on being exposed to a temperature a few degrees lower than that in which they have made their growth. There are a few of them, however, which stand the conditions of an ordinary dwelling room exceedingly well. The above is one of the best for the purpose named. They are hardly suitable as specimen plants, but for mixing with ferns in pans they come in very useful. When a few old plants are around there is usually abundant material for cuttings. In growing on plants for this purpose, they should be put in shallow pans and kept in a warm, moist, shaded part of the greenhouse; or they may be planted out under the benches in a place where the drip will not spot the foliage.

Short Stemmed Tulips at this season of the year may be avoided to a certain extent, if the bulbs are put in early enough, and the boxes lifted before they are frozen and put in a dark structure where a low, moist atmosphere is maintained. Afterward, when put in heat and kept dark for a time, the flowers will have sufficient stem to be handled successfully.



First Prize Floral Design at Galveston (Tex.) Show.

Primulas, such as P. obconica and P. isabellina, which are showing flower in 4-inch pots, will increase in size very materially if shifted into larger-sized pots. This may be done all the more successfully if good drainage be given and the soil used is largely composed of leaf mold. After this operation, and to bring them on quickly, they should be given a sunny position on a warm bench. To have large sized plants by the holiday season seed should be sown very early in the year, as the plants make little headway during the very hot months.

Adiantum cuneatum plants which have been damaged by continued use in decorating, or having had the fronds cut off, should not be started again right away. They should, if possible, be given a season of rest, and allowed to become almost dry under a bench before being divided and potted. G. W. O.

Flowers Sent from New York to London Exhibition, 1851.

In a book called "January and June," by Benjamin F. Taylor, published in New York in 1854, occurs the following, at page 244: "Triumphs! You need not look for them where men are binding broad continents with clampings of iron. You can find them in the veriest trifles. Here now, they tell us, a bunch of flowers was sent from New York in a case to the World's Fair in London, and after a lapse of three months were as beautiful as when they bloomed in the Eden of the West. This statement met your eyes; you passed it over, forgot it. But here is the same fact, in another expression: Time challenged man to preserve even the flowers unwithered, and from month to month they had faded and faded, in mockery of human power. It was even deemed a wonder when an American lady in London decked her hair with leaves flushed with the sunset of the year, in the forests of the New World—withered leaves and nothing more. Space interposed his waste of waters, and said: 'Remove these flowers from their parent stems, and if Time does not wither them at first, yet you shall bear them to their destination, dead flowers at last.' Man accepted that challenge, and he has came off victor. Here is now a bouquet sent from the New World to the Old—nothing more—and yet how many hours of thought, and years of toil, were necessary that it might be done.

"How the chemist sought to unweave the blue robe of air; how the philosopher proved it an ethereal sea, and manned the pumps in its clear depths, and created a vacuum, Nature's old abhorence. How the miner delved, the furnace glowed, the blacksmith wrought, until that human engine waved round the steamer's wheels with its iron wand, and all this, before that floral gem plucked from the bosom of the New World, all warm and fragrant with her breath, could bloom awhile in the Crystal Palace of the British Isles. Oh! this is a trifle, indeed, but it reveals the tide and turn of the battle."

The late B. F. Taylor, for many years, and during the time spoken of, was the literary and poetic editor of the Chicago Evening Journal, and the collection called "January and June" was the republishing of his daily delightful labors for his paper. I wonder in whose New York greenhouses those flowers were cut. Ess.

BRIEFS FOR BUSY FLORISTS.

THE TAKING OF CARNATION CUTTINGS will now be receiving some attention from such growers as raise their own stock, and as some varieties always give more trouble than others in rooting a few hints on taking cuttings and putting them in the sand will not be out of place at this time. In the first place never take cuttings from plants that are dry; nor from any that are weakly. Selection of stock means a good deal, and if we would have, good, strong, vigorous plants next Fall, now is the time to insure such by propagating only from the most vigorous and robust of our present stock. The side shoots from the flower stems make as fine cuttings as can be procured, and may be taken when 2½ or 3 inches in length. These require no trimming if they are taken carefully. Cuttings can also be made from any other part of the plant, and they will root almost as quickly as the last mentioned, excepting those thick, fleshy shoots that are usually found directly around the base. These latter are, in the main, unsatisfactory, requiring a longer time in the sand, and a good many will fail to root at all. Before placing the cuttings in the sand have it well firmed down and moistened. Pot them in as close together as their size will allow of, then give a thorough watering and cover with a single thickness of newspaper. This will give all the shade needed, and prevent a draft of air striking the cuttings when the ventilators are opened. The paper should be taken off at night and replaced each morning. A temperature of 50 to 55 degrees is plenty warm enough, and if kept within that limit stocky plants will result and there will be no trouble with cutting bench disease.

LILIES INTENDED FOR EASTER should be kept growing right along from now on. We notice the disease is still with us in the Bermuda bulbs, and when a plant shows it the best remedy is to throw that plant out. Fumigate at least once a week now to keep the green fly down.

STOCK PLANTS OF ALTERNANTHERA should be given a position which will induce growth. If the stock is scarce they may be divided into very small pieces, potted or boxed up and put into a good heat and a batch of cuttings can be taken from them later. By this method a good supply can be had from a small number of old plants.

COLEUS.—Some attention is due the coleus stock about this time, and if a good supply is rooted now they will make fine plants to propagate from later.

SEEDS that should be sown this week are, among others, gloxinia, cannas, verbenas, pansies, lobelia, centaurea and stocks (for early bloom.)

Galveston Flower Show.

Editor Florists' Exchange.

The first attempt at a chrysanthemum show in Galveston has been quite a success, and I think enough interest has been aroused to make the exhibition a yearly feature. The proceeds went to the prominent charities of the city. All of the chrysanthemums entered for competition came from the mainland, as our climate and soil make it impossible to grow them here to perfection. Most of the flowers came from Alvin, Tex., and compared very favorably with those sent by Nathan Smith & Son, of Michigan, and Jas. Morton, of Clarksville, Tenn. Our judge, S. J. Mitchell, of Houston, said he had been judge in ten other shows of the kind, and the flowers compared very favorably with those staged at any of these exhibitions.

Most of the florists of Galveston and vicinity exhibited under the four classes—ferns, palms, a growing centerpiece and best emblem or design made of chrysanthemums. Otto Fehrlin carried off the first prizes in all four groups. I inclose you the picture of the design that we exhibited, the bird carrying the blue ribbon it won. O. F.

List of Officers of National Horticultural Associations and Local Florists' and Gardeners' Clubs.

National Bodies.

Society of American Florists.

President, E. M. Wood, Natick, Mass.
Vice-president, F. R. Pierson, Tarrytown, N. Y.
Secretary, Wm. J. Stewart, Boston, Mass.
Treasurer, H. B. Beatty, Oil City, Pa.
Annual meeting and exhibition, New York, August, 1900.

American Association of Nurserymen.

President, Wilson J. Peters, Troy, O.
Vice-president, D. S. Lake, Shenandoah, Ia.
Secretary, George C. Seager, Rochester, N. Y.
Treasurer, C. L. Yates, Rochester, N. Y.
Meets in June, at Chicago.

American Seed Trade Association.

President, Alexander Rodgers, Chicago, Ill.
First vice-president, Albert McCullough, Cincinnati, O.
Second vice-president, F. W. Bolgiano, Washington.
Secretary and treasurer, S. F. Willard, Wethersfield, Conn.
Meets second Tuesday in June.

American Carnation Society.

President, Wm. P. Craig, Philadelphia, Pa.
Vice-president, Wm. F. Kasting, Buffalo, N. Y.
Secretary, Albert M. Herr, Lancaster, Pa.
Treasurer, Fred. Dorner, Jr., Lafayette, Ind.
Annual meeting in Buffalo, February 15 and 16.

Chrysanthemum Society of America.

President, E. G. Hill, Richmond, Ind.
Vice-president, E. Lonsdale, Chestnut Hill, Pa.
Secretary, Elmer D. Smith, Adrian, Mich.
Treasurer, John N. May, Summit, N. J.
Annual meeting in New York, August, 1900.

American Rose Society.

President, Wm. C. Barry, Rochester, N. Y.
Vice-president, Benjamin Dorrance, Wilkes-Barre, Pa.
Secretary, Paul M. Pierson, Scarborough, N. Y.
Treasurer, John N. May, Summit, N. J.
Exhibitions March and June, 1900.

American Dahlia Society.

President, Henry F. Michell, Philadelphia, Pa.
Vice-president, A. Blanc, Philadelphia, Pa.
Secretary, A. M. Peacock, A tc. J.

Florists' Hail Association.

President, J. C. Vaughan, Chicago.
Vice-president, E. G. Hill, Richmond, Ind.
Secretary, John G. Esler, Saddle River, N. J.
Treasurer, Albert M. Herr, Lancaster, Pa.
Annual meeting New York, August, 1900.

American Pomological Society.

President, C. L. Watrous, Des Moines, Ia.
Vice-president, Thos. B. Meehan, Germantown, Pa.
Secretary, Wm. A. Taylor, Washington, D. C.
Treasurer, L. R. Taft, Agricultural College, Mich.
Next meeting, 1901.

Western Association of Nurserymen.

President, A. L. Brooke, North Topeka, Kan.
Vice-president, R. H. Blair, Kansas City, Kan.
Secretary and treasurer, U. B. Pearsall, Leavenworth.
Semi-annual meeting at Kansas City in June, 1900.

Nurserymen's Protective Association.

President, C. L. Watrous, Des Moines, Ia.
Vice-president, G. E. Meissner, Bushberg Mo.
Secretary, Thomas B. Meehan, Germantown, Pa.
Treasurer, A. R. Whitney, Franklin Grove, Ill.

American Park and Out-Door Art Association.

President, Charles M. Loring, Minneapolis, Minn.
Secretary, Warren H. Manning, Tremont Building, Boston, Mass.
Treasurer, O. C. Simonds, Chicago.
Next meeting will be held at Chicago, Ill.

American Society of Landscape Architects.

President, John Charles Olmsted, Brookline, Mass.
Vice-president, Samuel Parsons, Jr., St. James Building, New York.
Treasurer, Chas. N. Lowrie, 156 Fifth avenue, New York.
Secretary, Daniel W. Langton, 115 East 23d street, New York.

Association of American Cemetery Superintendents.

President, Wm. Stone, "Pine Grove," Lynn, Mass.
Vice-president, George M. Painter, "West Laurel Hill," Philadelphia.
Secretary and treasurer, H. Wilson Ross, "Newton," Newtonville, Mass.
Annual convention will be held at Cleveland, O.

National Florists' Board of Trade.

President, Alvin Thomas.
Vice-president, Chas. D. M. Dougall.
Secretary and treasurer, Cornelius S. Loder, New York.

Local Clubs.

Baltimore Gardeners' Club.

President, N. Flitton.
Vice-president, C. M. Wagner.
Secretary, J. J. Perry.
Financial secretary, H. Ekas.
Treasurer, Wm. B. Sands.
Meets second and fourth Monday of each month.

Boston Gardeners and Florists' Club.

President, Wm. H. Elliott, Brighton, Mass.
Vice-president, Robert Cameron, Cambridge, Mass.
Secretary, Wm. K. Wood, West Newton, Mass.
Treasurer, Edward Hatch, Boston.
Meetings first Tuesday of each month.

Buffalo Florists' Club.

President, Wm. F. Kasting.
Vice-president, Chas. D. Zimmerman.
Secretary, William Legg.
Treasurer, C. H. Keitsch.
Meets second Tuesday of each month.

California State Floral Society.

President, E. J. Wickson.
Secretary, Emory E. Smith, Palo Alto.
Meets second Friday of each month.

Chicago Florists' Club.

President, James Hartshorne, Joliet, Ill.
Vice-president, F. F. Benthey.
Recording secretary, C. W. McKellar.
Financinl secretary, John Degnan.
Treasurer, Edgar Sanders.
Meets first and third Friday of each month.

Cincinnati Florists' Society.

President, William Murphy.
Vice-president, R. Witterstaetter.
Secretary, George S. Bartlett.
Treasurer, E. G. Gillett.
Meets second Saturday of each month.

Cleveland (O.) Florists' Club.

President, E. H. Cushman, Euclid, O.
First vice-president, Wm. Brinker.
Second vice-president, James Eadie.
Secretary, A. H. Graham.
Treasurer, H. A. Hart.
Meets second and fourth Thursday of each month.

Evansville (Ind.) Florists' Club.

President, J. D. Carmody.
Secretary, J. A. Howsley.
Meets third Thursday of each month.

Grand Rapids (Mich.) Florists' Club.

President, N. B. Stover.
Vice-president, Wm. Cunningham.
Secretary, Henry Smith.
Treasurer, Henry Van Valden.
Meets first and third Tuesday of each month.

Indiana State Florists' Association.

President, E. G. Hill, Richmond, Ind.
First vice-president, J. C. Power, Indianapolis, Ind.
Second vice-president, Herbert Heller, New Castle, Ind.
Secretary, R. A. McKeand, Indianapolis.
Treasurer, J. T. Huntington, Indianapolis.
Meets first Wednesday of each month.

Kentucky Society of Florists.

President, C. F. Wood.
Vice-president, T. P. Rudy.
Corresponding secretary, H. Lichtefeldt.
Financial secretary, J. Coenen, Louisville.
Treasurer, C. Kunzman.
Meets first Tuesday of each month.

Society of Minnesota Florists.

President, E. Nagel, Minnenpolis, Minn.
Vice-president, James Souden.
Secretary, A. S. Swanson.
Treasurer, F. Busch.
Annual meeting second Thursday in September.

Montreal Gardeners and Florists' Club.

President, Alfred C. Wilshire.
First vice-president, George A. Robinson.
Second vice-president, A. Pinoteau.
Secretary, Fred. Bennett.
Assistant secretary, W. Horobin.
Treasurer, Walter Wilshire.
Meets second and fourth Monday each month.

Morris County (N. J.) Gardeners and Florists' Society.

President, Wm. Duckham, Madison, N. J.
Secretary, Chas. H. Atkins, Madison, N. J.
Treasurer, W. Charlton.
Meets second Wednesday of each month.

New Bedford (Mass.) Gardeners and Florists' Club.

President, A. J. Fish.
Vice-president, Thomas White.
Secretary, Peter Murray, Fairhaven, Mass.
Assistant secretary, S. S. Peckham.
Treasurer, T. H. Dahl.
Meets second Monday of each month.

New York Florists' Club.

President, Patrick O'Mara.
Vice-president, Arthur Herrington.
Secretary, John Young.
Treasurer, C. B. Weathered.
Meets second Tuesday of each month.

New York Gardeners' Society.

President, Wm. Bartholomæ.
Vice-president, A. Welsing.
Secretary, J. A. Manda, Orange, N. J.
Treasurer, Frank Piorovsky.
Meets second Saturday of each month.

North Hudson (N. J.) Florists' Club.

President, Ch rles Dietz.
Vice-president, Fred. Engeln.
Secretary, George Kogge.
Treasurer, H. Steinhoff.
Meets second Tuesday of each month.

Philadelphia Florists' Club.

President, Wm. K. Harris.
Vice-president, John Westcott.
Secretary, Edwin Lonsdale, Chestnut Hill, Pa.
Treasurer, J. W. Colflesh.
Meets first Tuesday of each month.

Pittsburgh (Pa.) Florists' Club.

President, E. C. Reineman.
Vice-president, E. C. Ludwig.
Secretary, T. P. Langshans.
Assistant secretary, George Oesterle.
Treasurer, James Semple.
Meets fourth Monday of each month.

Providence (R. I.) Florists and Gardeners' Club.

President, William E. Chappell.
Vice-president, James Hockey.
Secretary, Alex. M. Rennie.
Treasurer, Farquhar Macrae.
Meets fourth Friday of each month.

Toronto Gardeners and Florists' Association.

President, Wm. Jay.
First vice-president, E. Grainger.
Second vice-president, G. Pragnell.
Secretary, Wm. Jay, Jr.
Treasurer, E. Collins.
Meets third Tuesday of each month.

Westchester County (N. Y.) Gardeners' Association.

President, John Shore.
Vice-president, William Anderson.
Secretary, John W. Duncan.
Treasurer, Charles Adcock.

Horticultural Societies.

Canadian Horticultural Association.

President, J. McKenna, Montreal.
First vice-president, H. Dale, Brampton, Ont.
Second vice-president, J. Bennett, Montreal.
Secretary, A. H. Ewing, Berlin, Ont.
Treasurer, John H. Dunlop, Toronto.
Annual meeting in September, at Montreal.

Chicago Horticultural Society.

President, Wm. H. Chadwick.
First vice-president, E. G. Uihlein.
Second vice-president, H. G. Seefridge.
Third vice-president, E. Weinhober.
Secretary, W. C. Egan.
Assistant secretary and treasurer, Willis N. Rudd.

Connecticut Horticultural Society.

President, J. T. Withers.
Secretary, W. T. Gardener.

Dutchess County (N. Y.) Horticultural Society.

President, Frederick Newbold.
Vice-president, James Blair.
Secretary, Wallace G. Gomersall, Fishkill-on-Hudson.
Treasurer, Charles Mitchell.

Eastern New York Horticultural Society.

President, James Wood, Monat Kisco, N. Y.
Vice-president, W. F. Taber, Poughkeepsie, N. Y.
Secretary and treasurer, E. C. Powell, Poughkeepsie, N. Y.

Eastern New York Nurserymen's Association.

President, Wm. C. Barry, Rochester, N. Y.
Secretary, Wm. Pitkin, Rochester, N. Y.

Massachusetts Horticultural Society.

President, Francis H. Appleton.
Vice-presidents, Chas. H. B. Breck, Walter Hunnewell, Benj. P. Ware and Samuel Hartwell.
Secretary Robert Manning.

Monmouth County (N. J.) Horticultural Society.

President, H. A. Kettel.
Vice-president, O. McIntosh.
Recording secretary, N. Butterbach.
Financial secretary, George Kuhn.
Treasurer, W. Kennedy.
Meets first and third Friday of each month.

Nebraska Horticultural Society.

President, George A. Marshall, Arlington, Neb.
Vice-president, J. H. Hadkinson, Omaha, Neb.
Secretary, T. B. Barnard, Table Rock, Neb.
Treasurer, Peter Younger, Geneva, Neb.

New Jersey Floricultural Society.

President, Peter Duff.
Vice-president, J. B. Davis.
Secretary, George Smith, Orange.
Treasurer, Malcolm McRorie.
Meets first Wednesday of each month.

New Jersey Horticultural Society

President, S. B. Ketcham, Haddonfield, N. J.
Vice-president, D. Baird, Malapan.
Secretary, H. I. Budd, Mount Holly.
Treasurer, Charles L. Jones, Newark.

New Orleans (La.) Horticultural Society

President, Emil Valdejo.
Vice-president, C. R. Porter.
Secretary, D. Newsham.
Treasurer, John Eblen.

New Orleans (La.) Gardeners' Mutual Protective Association.

President, Louis Kienz.
Vice-president, John Renther.
Recording secretary, Phil. Renther.
Financial secretary, Joseph W. Orth.
Treasurer, John Kuhl.

Newport (R. I.) Horticultural Society.

President, Robert Laurie.
First vice-president,
Second vice-president, Alexander Ogg.
Financial secretary, Bruce Butterson.
Treasurer, Richard Gardner.

Pennsylvania Horticultural Society.

President, James M. Rhodes.
Vice-presidents, Robert Craig, Dr. George Goebel, Henry F. Michell, and Edwin Lonsdale.
Secretary, David Rust.
Treasurer, Sidney W. Keith.

Rhode Island Horticultural Society.

President, Jos. E. C. Farnham.
Vice-presidents, Col. Robert H. I. Goddard, Hon. Robert C. Taft and Edwin H. Burlingame.
Secretary-treasurer, Charles W. Smith, Westminster street, Providence, R. I.

Tarrytown (N. Y.) Horticultural Society.

President, Wm. Turner.
Vice-president, W. Stevenson.
Secretary, W. McCord.
Treasurer, E. W. Neubrand.
Meets last Thursday of each month.

Toronto Horticultural Society.

President, H. Lucas.
First vice-president, Wm. Tyrrell.
Second vice-president, T. W. McQueen.
Secretary-treasurer, C. Chambers.

Westchester County (N. Y.) Horticultural Society.

President, A. L. Marshall, Pawling.
Vice-president, George Burton, Mt. Kisco.
Secretary, H. Spavins, Mt. Kisco.
Treasurer, M. Green.

Western New York Horticultural Society.

President, Wm. C. Barry, Rochester, N. Y.
Vice-presidents, S. D. Willard, Geneva, N. Y.; George A. Sweet, Dansville; W. R. Smith, Syracuse, N. Y.
Secretary-treasurer, John Hall, Rochester, N. Y.

Worcester County (Mass.) Horticultural Society.

President, O. B Hadmen.
Secretary, Adin A. Hixon, Worcester, Mass.
Treasurer, Nathaniel Payne.

Secretaries of clubs and societies not mentioned in the foregoing list, will greatly oblige us by forwarding the necessary information regarding their respective associations, for publication in a later issue.

Chestnut Hill (Pa.) Hort. Society.

On November 14 a preliminary meeting was called at Chestnut Hill, Pa., to consider the advisability of organizing a horticultural society. The movement met with much favor and the "Chestnut Hill Horticultural Society" was organized. Officers were elected to serve until January 1, 1900, at which time the officers for 1900 will be elected. A committee on by-laws was appointed and reported at the meeting held December 21, at which time the by-laws were adopted. At the December meeting a committee on schedule was appointed, which will report at the January meeting.

J. H. H.

Boston.

Trade News.

Although little notice is taken here of New Year's by the flower-buying public, it was expected that some little extra demand would be felt on Monday, but the New Year was ushered in by the first real snow storm of the Winter, and this may have been responsible for the dearth of business on that day. The change in weather has as yet had very little effect on the supply of stock, which is quite heavy just now. Roses of all kinds are plentiful, even Beauty and Meteor, which are, as a rule, so short in our market just at this time, are now plentiful enough. Bride and Bridesmaid are also in good supply, the latter being improved somewhat by the cold, bright weather, both as to size and color. Prices range from $4 to $12.50 a 100 for smaller and ordinary grades of these roses, No. 1's and extras making $2, $2.50 and $3 a dozen.

Kaiserin, though scarce, are in very good supply for this season, and clean up well at about the prices that rule for Bride. Carnot are still very short, being bought in quantity only by Lawrence Cotter and W. H. Elliott. These flowers are eagerly sought for, however, and bring from $1.50 to $4 a dozen, a limited number of extras reaching $5.

The supply of carnations continues very heavy, and the only lively demand is for first grade stock which, as a rule, cleans up daily at from $2 to $3 a 100, quality governing the price. However, $1.50 to $2 is a better average, for the quantities of stock bringing these prices are greatly in excess of the choicer grades. Inferior grades are sold at various figures, from 75c. to $1.25 a 100.

Violets are becoming more plentiful, and values are dropping gradually, none but a very few select flowers make $1.50 a 100, which was easily obtained the last three or four weeks for any kind of violets, regardless of quality; $1 to $1.25 are the ruling figures for most good violets.

Bulbous stock is becoming more plentiful, though the supply of Paper Whites has shortened up somewhat, but is still in excess of the demand. Roman hyacinths continue very plentiful. Von Sions and Trumpet narcissus are becoming much more abundant, the former making $5 and $6 a 100; the singles, $3 and $4. Valley is plentiful at usual prices. Harrisii and callas are also in very good supply, and make $1 to $1.50 a dozen.

Jottings.

Chas. W. Fohn, who recently opened a retail store, at 396 Boylston street, gave up the last day of the year after about two months' trial. Mr. Fohn intends going back to the gardener's end of it, and thinks that he will very likely leave this locality, having set his mind on trying Oregon on the Pacific Coast.

Mrs. Rogers, who has had the flower store at the Adams House, has given it up; but is to start in the Hotel Reynolds directly.

Mass. Hort. Society's Awards.

At the last meeting of the Massachusetts Horticultural Society the report of the Committee on Gardens was presented, which embodied the following awards: The H. H. Hunnewell triennial first prize, for the best laid out and planted estate of not less than three acres, and kept in best order for three years, to A. F. Estabrook, Esq., Beach Bluff, Swampscott; best house of chrysanthemums, Mrs. B. P. Cheney; best house of chrysanthemums grown on benches, Col. Chas. Pfaff; best carnation house, Francis A. Blake; best of roses, Edmund M. Wood & Co.; best vegetable gardens, first, Col. Fred'k. Mason; second, S. & F. E. Coolidge; best house of tomatoes, first, Wm. Nicholson & Son; second, W. C. Winter; house of foreign grapes, second, W. C. Winter. Gratuities to David Nevins' estate; Warren H. Heustis, for strawberry garden F. J. N.

John C. Meyer & Co. began the new year by moving to new quarters, at 82-86 Kingston street. The building is a new one, and better adapted to the business of the firm than their former location on Summer street. Messrs. Meyer & Co. report an increasing business in their specialty, "Silkaline," which is made in green for stringing smilax, asparagus, evergreens, etc., and also in fancy colors for bouquet purposes.

Chicago.

New Year's Trade.

Prices were well maintained during holiday week, partly owing to no great crop being in rather than to any unusual demand. Violets sold as high as $3 during the week; $2.50 was a common price. We heard of Crane carnation going at wholesale at $10. A few freesias were in, selling at $5. It was, however, more difficult to maintain prices for white than for colored stock.

We are having steady zero weather—no snow but plenty of sun; keen, cutting winds causing the coal pile to shrink badly.

A tour among the wholesale houses Saturday showed no great quantity of stock on hand, buyers not very pressing, and shipping trade falling off.

From this on usual Winter prices may be expected, which in this market will be: For extra fine Beauty, say $4 to $5 per dozen; mediums, $2 to $3; shorts, $1 to $2; fancy teas, $6 to $8; Meteor, possibly $10 down to $3, and $4 for seconds, $2 or below for left-over stock. Carnations bid fair to be in fine form this Winter, with a very liberal supply of the newer varieties. These will range in price between $4 and $6, except for special fancies that may reach $8; the best standards, $2 to $3, with common, $1 to $1.50. Violets, except all signs fail, will be well sold; best doubles bringing $1 to $1 50; singles, 75c. to $1. It was in violets the greatest trouble occurred at New Year's, and this Tuesday morning they were selling at $1. Most of the poinsettias got cleared off. White bulbous stock is selling low.

Round About.

E. C. Amling opened his new quarters on New Year's morning, as did George Reinberg.

Wietor Bros. will shortly begin the erection of a block of five houses, 20x250 feet, filling up the lot where their present plant is located; and on a new 10 acres east, from 15 to 20 houses, 20x250 feet, will be erected, all for roses, to be finished and planted in time for a June crop of Beauty, Meteor, Bride and Bridesmaid.

Ess.

Grand Rapids.

Trade News.

Since Christmas the weather has been very severe, the thermometer dropping to 16 degrees below zero, curtailing the supply of cut flowers, but on the other hand helping to maintain Christmas prices so firm that they promise to continue the balance of the present week. The local demand is good, shipping excellent, and funeral orders plentiful. Although New Year's is past, carnations remain firm at 50c. to 75c. per dozen; Irene still bring a quarter more than the best. Roses go at $1.50 to $2; Romans and narcissus, 75c.; violets, 2c. to 30c. per dozen Beauty roses are fetching 20c. to 30c. per dozen.

The new year starts in well.

Saturday, at midnight, fire destroyed the greenhouse establishment of Charles Chadwick, on Burton avenue, 10 houses with their entire contents being ruined. What the fire left was destroyed by frost. Cause of the fire is unknown; damage $6,000, no insurance. GEO. F. C.

Buffalo.

Market News.

In floral lines, the plant trade for the holiday season was practically done at Christmas, and since which time interest has centered largely in the cut flower trade. A good and improved increase over the mid-winter holiday's trade was noted at New Year's. Since Christmas flowers kept up in fair supply and quality at reasonable prices. Bridesmaid roses of good quality were retailed at $2.50 to $3.00 per dozen. Beauty is hardly a Buffalo flower, when above $1.00 each has to be gotten for them, and at the holidays are invested in sparingly. Violets were fairly abundant during the past week. Carnations were probably the scarcest staple on the list, with Paper Whites and Romans quite plentiful, and valley of medium quality rather free.

Greens generally were all cleaned up and sold to an advantage, except Christmas trees, which were in surplus.

Notes.

The marriage of Arthur Beyers to Miss Deninger occurred on December 27. Mr. Beyers is looked upon as "the decorator" at Palmer's. Best wishes to the new voyagers on the marital seas.

VIDI.

Montreal.

The New Year.

Business was not of much importance; in fact, in several cases reported it was very little better than any other day. No doubt the inclement weather prevailing on Saturday was largely to blame, but if detrimental to the retailers, it is hailed with delight by the grower; for the cold has brought bright weather, and already roses are looking a great deal better, and carnation stems are stiffening up considerably. Prices are still up at the Christmas level, and the stock offered is rapidly increasing in quality. Plants are yet in good demand; the same may be said of smaller ferns made up in pans and used for filling jardinieres. B.

Hamilton, Ont.

The holiday trade was very satisfactory. Cut flowers of all kinds were in active demand. Roses and violets were particularly short for Christmas. Carnations were in better supply; there seemed to be enough to go round for New Year's, the few bright days seeming to tell quickly upon the pickings. Prices have been firm, averaging as stated in last writing. The plant sales have shown an improvement even over last year; a demand for a better class of plants was also a pleasing feature. Begonia incarnata was not asked for as much as last year; palms and azaleas sold very briskly.

Thomas Kilvington had a bench of Araucaria excelsa plants with four and five tiers; not many of these are to be seen now. A few fine camellias here attracted much attention. George Sones cut a nice lot of chrysanthemums, large, fine-looking flowers. Waban is a favorite late sort. A fine lot of the Boston fern were seen at E. G. Brown's; this variety seems to take the place of old N. exaltata. The new Washingtoniensis has not found favor with growers here.

The weather up to Christmas Day was decidedly unwinterlike. We are all trying to persuade ourselves that we have trimmed our coal bills down for this Winter. BEAVER.

Toronto.

The fine, soft weather we had at Christmas was followed by sharp frost. Several days last week we had zero weather and sharp winds to contend with. Stock was cut so close at Christmas and the subsequent demand has been so good that there is no surplus on the market yet, Roman hyacinths being about the only stock seen around in quantity. Prices for all classes of stock kept up to top-notch until January 2; they are lowering a little now, though with no extra supply in sight. Valley has been very good and somewhat plentiful Roses are still scarce; carnations are not abundant. Harry Dale is sending in extra fine ones; some of his Edna Craig sold at retail at $1.50 per dozen last week; they were excellent blooms on good stiff stems.

All are well satisfied with the holiday trade; everything was sold out and prices were generally very good. T. M.

TOBACCO STEMS
"Good Strong Kind."
60 CTS. PER 100 LBS.
BALES WEIGH 500 LBS.
TOBACCO DUST
"THE BLACK STUFF."
Fine or Coarse to Your Order
50 to 1000 lbs., 2 cents per pound.
H. A. STOOTHOFF & CO.
154-165 W. 27TH STREET, N. Y. CITY.

Tobacco-Whale Oil Soap for syringing for watering plants. We know its goodness. All Seedsmen Keep it

IF YOU NEED ROSES
Send us your list for prices.
THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.
Mention the Florists' Exchange when writing.

ROSES

3½ in. **Bride, M. Van Houite,** at $4.00 per 100.
2½ in. **Bride** and **Maid, C. Soupert, Yellow Souperl, Hermosa, Mrs. De Graw, Yellow Rambler, Crimson Rambler,** and a general line of good Roses, in 2½ in., at low prices.
HONEYSUCKLES, HIBISCUS Cooperi, MOON VINE, white, true, 2½ in. pots. $3 per 100.
ASPARAGUS Plumosus and **Sprengeri,** 2½ in. pots, $5.00 per 100. **A. Plumosus Nanus,** 6 in. pots, at $15 per 100.
3½ in. **RUBRA BEGONIA,** at $4 00 a 100.
HARDY PINK, rooted cuttings, 6 varieties, $1.00 per 100; $8.00 per 1000. Cash.
THE NATIONAL PLANT CO., Dayton, O.
Mention the Florists' Exchange when writing.

SPECIAL NOTICE

The unprecedented demand for the new and beautiful

ROSE LIBERTY

Has made it necessary for us to announce all stock for March delivery has been sold and orders hereafter will be taken and filled in their order of receipt, until further notice. To be sure of any of this stock for April and May delivery it will be necessary to order early. One quarter of the stock is controlled by us and no one has authority to sell in the New England States except by our permission.

Prices are as follows: Best stock grown.

Own rooted Plants, 2½ in. pots.

12	plants	60 cts. each.
25	"	50 "
50	"	30 "
100	"	25 "
1000	"	20 "

Grafted Plants, 2½ in. pots.

12	plants	75 cts. each.
25	"	60 "
50	"	50 "
100	"	40 "
1000	"	35 "

EDMUND M. WOOD & CO., Natick, Mass.
Near BOSTON.
Mention the Florists' Exchange when writing.

COMMERCIAL VIOLET CULTURE

Now Ready For Delivery.
See Advt., Page 21.

EXTRA VALUE! LAST CHANCE! H. P. Roses, mixed, 2 year, 60c. and 75c. a doz. **Ramblers** and **Named H. P. XX,** strong, $1.25 a doz. **Hardy 'Mums,** pink and white, large flowering stock plants, 45c. a doz. **Dahlias.** Agnew, Bruton, Nymphes, 75c. a doz; Snowclad 50c. a doz. Cash, please.
W. D. BUSSING, Westfield, N. J.
Mention the Florists' Exchange when writing.

ROSES=For Spring Blooming.

The proper sorts, Clothilde Soupert, Gen'l Jacqueminot, Coq. des Alps, La France, Coq des Blanches, etc., fine 1 and 2 year field grown plants, suitable for 5 in. pot, 5c.

CLEMATIS Virginiana, finest American Climber, sweet-scented small white flower, 2 year, strong, 3 cts. **Large-flowered Clematis,** for forcing, purple and white, fine plants, from 5 in. pots, at 18c.; 2 year, field-grown plants, 18c.; 1 year, field grown, fine plants, at 12c. Packing free.
W. H. SALTER, Rochester, N. Y.
Mention the Florists' Exchange when writing.

ROSE BUSHES

Field-grown. Own root.
Tender and hardy sorts.

BOSTON IVY

Send us your list of wants for pricing.
The Howland Nursery Co., Los Angeles, Cal.
Mention the Florists' Exchange when writing.

D. & C. ROSES

are the cheapest because they are the best. We have in stock over 1000 varieties on own roots, including nearly 200 New Roses not offered elsewhere, as well as all the old favorites, at prices that make it worth your while to send us your list for quotations before buying elsewhere. All sizes from 2½ in. pots up.

Send for a copy of our **New Guide to Rose Culture** for 1900, a handsome book of 134 pages, illustrated with hundreds of half-tones and numerous colored plates. It is really a work of art and free for the asking.
THE DINGEE & CONARD CO., Rose Growers, West Grove, Pa.
Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS..
and Novelties in Decorative Plants,
Market and 49th Sts., PHILADELPHIA, PA.
Mention the Florists' Exchange when writing.

CRIMSON RAMBLER

3 to 4 ft. strong, $15.00 per 100; 4 to 5 ft., extra strong, $18.00 per 100.
THE CONARD & JONES CO., West Grove, Pa.
Mention the Florists' Exchange when writing.

HARDY ROSES FOR SPRING TRADE.

ORDERS NOW BOOKED FOR VARIETIES AND PRICES. ADDRESS
C. H. JOOSTEN, 85 Dey St., New York.
Mention the Florists' Exchange when writing.

GIVE US LIBERTY!

THIS WILL BE THE CRY WHEN THE PLANTS ARE ALL SOLD.

The demand for the **New Crimson-Scarlet Rose LIBERTY** has been so great that **OUR STOCK FOR MARCH DELIVERY IS ALL SOLD.** We are now booking for April, and as all orders are filled strictly in rotation, florists who have not as yet secured their stock should order at once.

OWN ROOT PLANTS, FROM 2½ INCH POTS.
50 Plants or more and less than 100, 30c. each
100 Plants and up to 1000.....25c. each
1000 Plants and over.....$200.00 per 1000
3 inch pot plants, 5c. each additional.

GRAFTED PLANTS, FROM 2½ INCH POTS.
50 Plants or more and less than 100, 50c. each
100 Plants and up to 1000.....40c. each
1000 Plants or more.....$350.00 per 1000
3 inch pot plants, 5c. each additional.

ROBERT SCOTT & SON, Sharon Hill, Del. Co., Pa.
Eastern Agents: ROBT. CRAIG & SON, 49th & Market St., Phila., Pa.
Western Agents: BASSETT & WASHBURN, 78 Wabash Av., Chicago
Mention the Florists' Exchange when writing.

CHRISTMAS TRADE.

Later Reports.

HACKENSACK, N. J.—Our Christmas business was more than double last year's. Greens and plants sold well, and cut flowers were in great demand at good prices.—RED TOWERS GREENHOUSES.

MANCHESTER, VT.—There is but little trade for plants here in Winter, the call being for cut flowers, of which carnations take the lead. Prices this year ruled 20 per cent. higher than last, and there was not nearly enough stock to go around.—G. S.

NASHVILLE, TENN.—We found the Christmas trade 50 per cent. better than in the last few years, especially on potted plants. Violets were very scarce. The other florists in our city also speak well of their trade, all having plenty of flowers.—J. & SON.

FOXBORO, MASS.—Prices were somewhat better than those obtained last Christmas. The biggest call was for carnations and violets in cut flowers, and in plants Asparagus Sprengerli, primulas and cyclamen sold the best. We could not give away the baby primrose.—A. F. B.

SYRACUSE, N. Y.—Christmas trade was good and prices higher than in former years. Carnations sold at $1 to $1.50 and were scarce; roses, at $2 to $3 for Bride, Bridesmaid and Meteor; Beauty, $1 to $1.50 each; violets, $3.50. The call for plants hardly up to that of former years.—L. E. M.

NEWBURYPORT, MASS.—Larger quantities of Christmas greens were used this year than ever before. Milkweed flowers, partly artificial, were used for the first time here. They were all highly colored. Trade in general was better, and there are good prospects of a healthy business condition next year.—J. A. K.

PLAINFIELD, N. J.—Christmas trade was better than usual—100 per cent. better than last year. The best selling stocks this season have been small ferns, palms, Boston fern, Christmas trees and green. It was impossible to meet the demand for holly. Red and Scott carnations sold best in cut flowers.—L. J. D.

SPRINGFIELD, MO.—Christmas trade showed an increase of 25 per cent over last year's. Bridesmaid and Bride sold at $2 50 per dozen; carnations 75c to $1 a dozen. The supply of roses and carnations was not equal to the demand There was littl call for bulbous stock. The quality of the roses and carnations was the best in several years.—C.

DENVER, COLO.—Our Christmas trade was 25 per cent. better than in the previous year, the increase being due to sale of plants, mainly ferns, cyclamen, cinerarias and azaleas. In cut flowers the call was largely for carnations. Beauty were also in demand, but the supply was short. Prices same as in former years. We might have gotten more, but did not care to ask it.—C. F.

WILMINGTON, DEL.—Owing to the mild weather our Christmas trade was double that of last year. Carnations sold at 50c. per dozen; double violets, $1.50 to $2 per 100; California violets, $1 per 100; Paper Whites and Romans, 50c. per dozen. Potted plants sold better than last year; Solanum capsicastrum, in 7-inch pots, going very well at 75c. each.—G. W. B.

TRENTON, N. J.—Christmas trade was far better than last year. Palms and ferns sold for about the same price. Rubber plants were in greater demand than last year; cut flowers sold better at an advance in price, and Beauty roses were not in sufficient supply for the demand. Hyacinths, narcissus and valley moved slowly. In general the trade was the best we have ever had.—C. R. & SON.

BIRMINGHAM, ALA.—Trade this Christmas was much heavier than in any previous year. I could have sold many more roses and very many more carnations, for which latter flower the demand was heavy, especially in red. I sold at least 100 per cent. more flowers, but prices were about one-half those of previous years. There was an unusual demand for holly and mistletoe; little or no demand for plants. American Beauty and other high-priced flowers were not wanted.—L.

TOLEDO, O.—We had an excellent Christmas trade. Calls for plants in bloom and others were numerous and showed an increase over those of last year. The cut flower business was also ahead of last Christmas. I am decidedly sorry that grocers and butchers take our green trade out of florists. Dealers in articles like holly, ground pine, etc., ought not to sell to any other firms, except florists and dealers in florists' goods at wholesale. Wishing you and all your employees a very Happy New Year.—E. S.

COLUMBUS, OHIO.—The holiday trade this year was exceptionally good, the demand and prices being better than a year ago. Carnations went up to $1.50 per dozen, and some very fine blooms were put on the market. Roses brought $3.00. Palms sold at from 40c. to $2.50; a little larger size brought $4. Cyclamens ran from 75c. to $1 50. Nephrolepis bostoniensis went readily at from 40c. to $2 50, while Asparagus plumosus in 6 and 7-inch pots reached $1.50. Violets were sought at from $3 to $4 per 100. A few azaleas were brought in, and were in great demand at $2 and $4 each. Many more of them could have been sold had they been in stock.—FRITZ.

DAVENPORT, IA.—My trade showed an increase of about 10 per cent. above the holiday business of 1898; prices were about the same and about everything sold out. There was an extra call for red carnations, poinsettias and Beauty. An increase in call for plants was noted; everything good in the blooming plant line selling readily, especially Begonia Gloire de Lorraine, dwarf poinsettias and cyclamen. Carnations brought from 50c. to $1 per dozen for some Crane; poinsettias, $3 to $5 per dozen; roses, $1.50 to $2; Beauty, $8 to $12 per dozen; violets, $3 to $4 per 100.—J. T. T.

LINCOLN, NEB.—Christmas of 1899 will long be remembered—weather fine, flowers beautiful; prices about 20 per cent. better than ever before, and customers till there was no rest for the weary. Trade will run 40 per cent. better (for the week) than ever before. There was a fine sale of palms, azaleas, ferns, hyacinths, freezias, cyclamen—everything in bloom went and at good prices. Carnations brought 75c. to $1.50; Romans, $1.50 to $3; Beauty, $5 and up. While all the florists in Lincoln had built the past season, yet I venture to say this town will have more glass put in greenhouses the coming season than ever before.—C. BROS.

KNOXVILLE, TENN.—Beautiful bright weather favored us the week preceding Christmas, which helped bring on the stock in fine shape. The supply was equal to the demand in everything, with the exception of violets, for which there was a large call; California is the favorite here. Hyacinths and Paper White narcissus sold remarkably well. There was a heavy call for Beauty; C. W. Crouch alone sold 40 dozen. Carnations were in good demand and sold well. Prices for everything were high and very few complaints were made at those asked. Beauty sold at from $3 to $5 per dozen; Bride, Bridesmaid, Perle, Golden Gate, $2 per dozen; carnations, $1; Romans, 75c.; violets, $2.50 per 100. The market was overstocked with well berried holly and mistletoe, which grows abundantly on the mountains about here. There was a very noticeable falling off in the sale of palms and fern dishes. Nothing out of the common was to be noticed. C. W. Crouch had some nice Deutsche Perle azaleas, which went well. C. Baum had some late stock—Jerome Jones, Frank Hardy, Mayflower and Robinson chrysanthemums.

Many orders are already booked for New Year's, and a heavy trade is anticipated. No very cold weather here yet and no snow to speak of.—H. Y.

LIBERTY! LIBERTY!

Being all sold out of grafted plants of Liberty rose, I hereby announce that after January 8, 1900, no more orders for grafted plants can be taken for this year's delivery. Only a limited supply of our own rooted plants left to sell. Order quickly if you want any for this season. Price for own rooted plants, out of 2½ in. pots, for April delivery, as follows:

12 plants	60 cts. each.
25 plants	50 cts. each.
50 plants	30 cts. each.
100 plants	25 cts. each.
1000 plants	20 cts. each.

ERNST G. ASMUS West Hoboken, N. J. AGENTS: J. C. VAUGHAN, Chicago, Ill. J. N. MAY, Summit, N. J. F. R. PIERSON CO. Tarrytown, N. Y.

CARNATIONS-Rooted Cuttings



Flora Hill, $1.50 per 100 $14.00 per 1000.
Lizzie McGowan, $1.00 per 100; $9 00 per 1000.
Wm. Scott, $1.00 per 100; $9.00 per 1000.
AGERATUM—Cope's Pet, blue; Lady Isabel, white. 60c. per 100; $5.00 per 1000.
PETUNIAS—Dreer's and Henderson's, named, $1.25 per 100.

We pay the express on all Rooted Cuttings. Our guarantee goes with everything we send out, to please you; for that CASH, PLEASE.

C. HUMFELD, Clay Center, Kas.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS

Now ready of all the leading varieties.
All stock guaranteed A1.
If not satisfactory, money refunded.

CHICAGO CARNATION CO.,

Greenhouses and Address, JOLIET, ILLS.

ROOTED CUTTINGS
OF CARNATIONS.

Both new and old varieties at lowest prices for good stock. Special rates on orders booked for future delivery. Satisfaction or money refunded.

GEO. A. RACKHAM, 880 Van Dyke Avenue, DETROIT, MICH.

ROOTED CUTTINGS
CARNATIONS.

	Per 100	Per 1000		Per 100	Per 1000
W. H. Crane	$5 00	$40 00	Daybreak	$1 25	$10 00
Mrs. Bradt	3 00	25 00	Argyle	1 25	10 00
White Cloud	2 50	20 00	Armazindy	1 25	10 00
Frances Joost	2 50	20 00	Lizzie McGowan	1 00	7 50
Triumph	2 50	20 00	Evelena	1 00	7 50
Evanston	2 50	20 00	Mayor Pingree	1 00	7 50
Jubilee	2 00	15 00	Painted Lady	1 00	7 50
Gold Nugget	2 00	15 00	W. Scott	1 00	7 50
Mrs. McBurney	2 00	15 00	Tidal Wave	1 00	7 50
Flora Hill	1 25	10 00	Morella	1 00	7 50

ROSES.

	Per 100	Per 1000		Per 100	Per 1000
American Beauty	$3 00	$25 00	Meteor	$1 50	$12 50
Kaiserin	2 00	17 50	Bride	1 50	12 50
La France	2 00	17 50	Bridesmaid	1 50	12 50
Perle	1 50	12 50			

Stock to be first class and to be sold under the conditions that they shall be returned if not satisfactory. Address

GEORGE REINBERG,

Mention this paper. 51 Wabash Avenue, CHICAGO, ILL.

ROOTED CARNATION CUTTINGS

Ethel Crocker	America	Nivea	Daybreak
Olympia	Crane	John Young	Victor
Marquis	Jubilee	McGowan	Scott
Lawson	White Cloud	Argyle	Bradt
Genevieve Lord	Flora Hill	Joost	Armazindy

GRAFTED ROSES.

New Yellow Fitzwygram "Mum."

SPECIAL PRICES ON 10,000 AND UPWARD. PRICE LIST NOW READY.

H. F. LITTLEFIELD, Worcester, Mass

Mention the Florists' Exchange when writing

CARNATION CUTTINGS

	Per 100	Per 1000		Per 100	Per 1000
MRS. LAWSON	$14.00	$120.00	FLORA HILL	$2.00	$15.00
G. H. CRANE	5.00	40.00	GOLD NUGGET	2.00	15.00
AMERICA	5 00	40.00	TRIUMPH	2.00	15.00
MELBA	4.00	30.00	DAYBREAK	1.25	10.00
LESLIE PAUL	4.00	30.00	ARGYLE	1.25	10.00
GOV. GRIGGS	4.00	30 00	ARMAZINDY	1.25	10.00
MRS. BRADT	3.00	25.00	LIZZIE McGOWAN	1.00	7.50
FRANCES JOOST	2.50	20.00	EVELINA	1.00	7.50
EVANSTON	2.50	20.00	MAYOR PINGREE	1.00	7.50
JUBILEE	2.50	20 00	WM. SCOTT	1.00	7.50
VICTOR	2.50	20.00	NIVEA	1.00	7.50
WHITE CLOUD	2 50	20.00	MORELLO	1.00	7.50

All plants and cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded.

Peter Reinberg, 51 WABASH AVE., **Chicago.**

Mention the Florists' Exchange when writing.

A GRAND RECORD

Genevieve Lord

STANDS at the head of the list of light pink carnations. It is undefeated in its class. A commercial triumph, combining fine exhibition qualities. With its grand length and stiffness of stem, beautiful large flowers, grand color, general good habit, productiveness, etc., it cannot fail to win for itself a place in the front rank of the greatest money makers of to-day.

We will not over-propagate it; as soon as limit of healthy production is reached, our order book will be closed. Book is now open. All orders filled in rotation; bear in mind the importance of this fact. Send for complete description.

Price, $75 per 1000; $10 per 100; $2 per dozen.

DELIVERY FEBRUARY 15.

We can also furnish first delivery, the following varieties, at introducers' prices: **Olympia, Mrs. Thos. W. Lawson, The Marquis** and **Ethel Crocker.**

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing

CARNATIONS

F. DORNER & SONS CO.,
LA FAYETTE, IND.

Mention the Florists' Exchange when writing

HARDY PINKS

Rooted Cuttings. Now Ready. 8 Sorts as follows:

HER MAJESTY—Giant white
ALBA FIMBRIATA—White, fringed
BRUNETTE—Pink, with maroon markings
EARL OF CARLISLE—Variegated, maroon, rose and white
JULIETTE—Cherry-red, variegated pink and white
GERTRUDE—White, maroon markings
LAURA WILMER—Pink with darker shadings, fringed
MAY—Beautiful flesh pink, very fragrant.

$1.00 per 100 postpaid; $8 per 1000, by express.

SATISFACTION GUARANTEED.

A. B. DAVIS & SON, Purcellville, Va.

Mention the Florists' Exchange when writing

CARNATION CUTTINGS

Ready to ship now, guaranteed well rooted or money refunded. "Old Chestnut," but we say express man must allow purchaser to examine cuttings before accepting and if not satisfactory take the same back

	Per 100	Per 1000
White Cloud, Mrs. Joost	$2 50	$20 00
Melba	4 00	30 00
Mrs. Bradt	3 00	25 00
Victor	2 50	20 00
Mayor Pingree	1 00	7 50
Daybreak	1 25	10 00
Scott		7 00

Cash with order.

CARL E. TAUBE, Trenton, N. J.
MERCER FLORAL CO.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS.

We are booking orders for Lawson, Olympia, Marquis Ethel Crocker and Genevieve Lord at introducers prices. List of standard varieties ready now. Send at once for an estimate on your order.

WM. MURPHY,
Sta. F., Cincinnati, Ohio.

Mention the Florists' Exchange when writing

Rooted Cuttings of New and Standard

CARNATIONS.

SEND FOR PRICE LIST.

WM. SWAYNE, Kennett Square, Penn.

Mention the Florists' Exchange when writing.

Ethel Crocker.

Absolutely the best pink carnation ever offered the trade. Grown equally successfully by Messrs. Hill, Craig, and myself. You are not buying it on a venture, but knowing that it is not a success in one soil and a failure in another.

In color, size, fragrance and stem it is just what the "storemen" want.

In habit, constitution and freedom of bloom, it is just what the grower wants, never out of crop from Sept. to July, more flowers to the square foot than any other known variety, and practically no seconds. With 18,000 stock plants to work from there is no danger of over-propagation, and you are not asked to wait until planting out time for your cuttings, but can have them whenever wanted. Orders intrusted to me will have my personal attention, both in the selection of the cuttings and the filling of the order. Price, per 100, $10; 25, $2 50; 1000, $75.00; 250, $18 75.

HERR'S PANSIES at $4 per 1000 now, and a regular assortment of carnations in a list ready Jan. 1st.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

J. K. ALLEN,
Wholesale Commission Dealer in
CUT FLOWERS
57 W. 28th Street, New York.
Orders by mail or telegraph promptly attended to. Telephone, 167 Madison Square.
Fine ROSES and CARNATIONS, Specialties.

W. S. ALLEN,
17 West 28th St., New York.
Correspondence Solicited.

BLAUVELT & GUTTMAN,
36 W. 27th St., NEW YORK.
Wholesale Commission Florists
Consignments of first-class stock solicited.
Orders by mail or telegraph receive the best of attention. 'PHONE 1290 Madison Sq.

CUT FLOWER EXCHANGE
404-412 E. 34th St., N. Y., near Ferry.
Open every Morning at 6 o'Clock A. M. for the Sale of Cut Flowers.
This is not a commission house; the market consists of individual stands.
Wall Space for Advertising Purposes to Rent.
J. DONALDSON, SECRETARY.

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Wholesale Florist
53 WEST 30th ST.
Consignments Solicited. NEW YORK.

FRANK MILLANG,
Wholesale Commission Dealer in
CUT FLOWERS
408 E. 34th St., NEW YORK CITY.
Cut Flower Exchange.
Telephone Call, 299 Madison Square.

MOORE, HENTZ & NASH,
WHOLESALE
Commission Florists,
Located in Salesroom of the New York Cut Flower Co.
119-121 W. 23d St., New York.
Telephone 788 18th St.

THE NEW YORK CUT FLOWER CO.
119-121 West 23d Street,
112-114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders

Carnations Roses
John I. Raynor,
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Telephone 1998 Madison Square. New York.
Violets Valley

All Business is Running in Specialties
GEORGE SALTFORD
Makes a Specialty of
VIOLETS
At 50 West 29th St., New York.
Send Your Consignments. Tel. 1304 Madison Sq.

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HEADQUARTERS FOR NOVELTIES
Beauties, Meteors, Brides and Bridesmaids are the leaders.
The highest grade of... VALLEY always on hand...
ORCHIDS A SPECIALTY.
JAMES McMANUS, Telephone, 759 Madison Square. 50 W. 30th St., NEW YORK

"Always Ready to Receive Fine Stock."
VIOLETS W. H. GUNTHER, Carnations
ROSES Wholesale Florist, ORCHIDS
30 West 29th St., New York.

WALTER F. SHERIDAN,
Wholesale Commission Dealer in CUT FLOWERS
39 W. 28th STREET, NEW YORK.
Receiving Extra Quality AM. BEAUTIES and all other varieties of Roses.
TELEPHONE 902 MADISON SQUARE. CARNATIONS.

...Wholesale Prices of Cut Flowers...

	Names and Varieties	New York Jan. 5, 1900	Boston Jan 4 1901	Philadelphia Jan 4 1900	Baltimore Jan. 3, 1900	Buffalo Jan. 3, 1900
Roses	A. BEAUTY, fancy—special	40 00 to 50.00	50 00 to 75.	.... to 75.00	.... to ...	65.00 to 80.00
	" extra	25.00 to 30.00	35.00 to 50.00	50.00 to 60.00	.... to	30.00 to 40.00
	" No. 1	10.00 to 20.00	15.00 to 25.00	25.00 to 50.00	25.00 to 50.00	15.00 to 25 00
	" Culls & ordinary	2.00 to 6.00	6.00 to 12 5	5.00 to 35.00	6.00 to 15.00	8.00 to 10.00
	Bride	2.00 to 12.00	4.00 to 20.00	4.00 to 12.00	4.00 to 8.00	4.00 to 10.00
	Bridesmaid	2.00 to 12.00	4.00 to 20.00	4.00 to 12.00	4.00 to 8.00	4.00 to 10.00
	Hoste	.... to	.... to	.... to	.... to	.... to ....
	Jacqueminot	.... to	.... to	.... to	.... to	.... to ....
	K. A. Victoria	4.00 to 8.00	4.00 to 20.00	4.00 to 12.00	4.00 to 8.00	4.00 to 8.00
	La France	3.00 to 6.00	.... to	6.00 to 12.00	4.00 to 8.0	.... to ....
	Mermet	.... to	.... to	.... to	.... to	.... to ....
	Meteor	3.00 to 12.00	4.00 to 16.00	4.00 to 12.00	4.00 to 8.00	4.00 to 10.00
	Mrs. Pierpont Morgan	2.00 to 5.00	.... to	4.00 to 8.00	.... to	.... to ....
	Niphetos	.... to	.... to	.... to	.... to	.... to ....
	Papa Gontier	.... to	.... to	4.00 to 6 00	3.00 to 5.00	3.00 to 5.00
	Perle	2.00 to 6.00	.... to	4.00 to 8.00	3.00 to 6.00	3.00 to 6.00
	Souv. de Wootton	.... to	.... to	.... to	.... to	3.00 to 6.00
	ORCHIDS—Cattleyas	50.00 to 60.00	.... to	50.00 to 60.00	.... to	.... to ....
	Cypripediums	.... to 12.50	10.00 to 12.50	.... to 15.00	.... to 12.00	12.50 to 15.00
	Dendrobium formosum	15.00 to 20.00	.... to	.... to 25.00	.... to	.... to ....
	" others	.... to	.... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	.75 to 1.00	1.00 to 1.25	.50 to 1.00	1.00 to 1.25	1.00 to 1.25
	STANDARD VARIETIES White	1.00 to 2 00	1.50 to 2.0	1.00 to 2.00	1 50 to 2.0	1 50 to 2.50
	STANDARD VARIETIES Pink	1.00 to 2.00	1.50 to 2.00	1.00 to 2.00	1.50 to 2.00	1.50 to 2.50
	STANDARD VARIETIES Red	1.00 to 2.00	1.50 to 2.00	1.00 to 2.00	1.50 to 2.00	1.50 to 2 50
	STANDARD VARIETIES Yel.&Var.	1 00 to 2.00	1.50 to 2 00	1.00 to 2.00	1.50 to 2.00	1.50 to 2.50
	"FANCY— White	3.00 to 6.00	.... to 2.50	1.50 to 3.00	2.50 to 4.00	3 00 to 5.00
	("The highest grades of standard var) Pink	3 00 to 6.0	.... to 2.50	1.50 to 3.00	2.50 to 4.00	3.00 to 5.00
	("The highest grades of standard var) Red	3.00 to 6.00	.... to 2.50	2.00 to 3.00	2 50 to 4.00	3.00 to 5.00
	("The highest grades of standard var) Yel.&Var.	3.00 to 6.00	.... to 2.5	2.00 to 3.00	2.50 to 4.00	3.00 to 5.00
	NOVELTIES	10.00 to 15.00	3.00 to 4.00	3.00 to 6.00	.... to	.... to ....
	ADIANTUM	.35 to .75	.50 to .75	.75 to 1.00	.... to 1.00	.75 to 1.25
	ASPARAGUS	35.00 to 50.00	.... to 50.00	35.00 to 50.00	35.00 to 75 00	30.00 to 60.00
	CALLAS	8.00 to 10.00	8.00 to 10.00	10.00 to 12.00	10.00 to 12.00	0.00 to 15.00
	CHRYSANTHEMUMS, ordinary	.... to	.... to	.... to	.... to	8.00 to 10.00
	CHRYSANTHEMUMS, fancy	.... to	.... to	.... to	.... to	12.50 to 15.00
	HYACINTHS	.50 to 1.50	1.00 to 2.50	1.00 to 3.00	.... to	1.00 to 3.00
	LILIES	10.00 to 12.50	8.00 to 12 50	12.00 to 15.00	.... to	15.00 to 20.00
	LILY OF THE VALLEY	1.00 to 2 5	2.00 to 4.00	2.00 to 5.00	... to	3.00 to 4.00
	MIGNONETTE—ordinary	3.00 to 6.00	2.00 to 4.00	.... to 2.0	.... to	2.00 to 4.00
	MIGNONETTE— fancy	8.00 to 12 00	6.00 to 8.00	3.00 to 4.00	2.00 to 3.00	4.00 to 6.00
	NARCISSUS	.75 to 1.50	1.00 to 4.00	2.00 to 4.00	2.00 to 3.00	.... to ....
	SMILAX	8.00 to 10.00	8.00 to 12.50	12.00 to 15 00	.... to 20.00	15.00 to 20.00
	VIOLETS	.75 to 1 25	1.00 to 1 25	.50 to 1.00	.75 to 1.00	1.00 to 1.25
	VIOLETS, special	1.25 to 1.75	.... to 1.50	1.00 to 1.50	.... to	1.50 to 2.00

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

BOSTON, MASS.
Asparagus Plumosus, Chrysanthemums, Mignonette, Brides, 'Maids, American Beauties
WELCH BROS.
PROPRIETORS
CITY HALL CUT FLOWER MARKET,
15 PROVINCE ST. — 9 CHAPMAN PL.
Kaiserins, Meteors, Carnots, Violets, Valley, Carnations
Can furnish at short notice. Prices according to quality of goods. Long Distance Telephone, 2161 and 2071.

SAMUEL S. PENNOCK,
Wholesale Florist
UNTIL FURTHER NOTICE
This Establishment will be Open from 6 a. m. to 11 p. m.
AM. BEAUTIES and VALLEY Our Specialties.
1612-14-16-18 Ludlow St., PHILADELPHIA, PA.

We have a fine grade of everything in market at present.
Send us a Trial Order and we will do the rest.
EDW. C. HORAN,
47 West 28th Street,
Telephone, 421 Madison Sq. NEW YORK.
Receiving Daily Fine PRES. CARNOT, KAISERINS, METEORS, BEAUTIES, Etc.
CUT FLOWERS AT WHOLESALE.

FRANK H. TRAENDLY. CHARLES SCHENCK.
TRAENDLY & SCHENCK,
Wholesale Florists,
33 W. 28th St. and CUT FLOWER EXCHANGE,
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Telephone, 270 Madison Sq.
Consignments Solicited.

JOHN YOUNG,
Wholesale Florist
51 WEST 28th ST.,
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CYCAS PALM LEAVES Always on Hand.

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Wholesale Commission Florists,
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Open to receive Consigments of CHOICE FLOWERS at any time.
ALFRED H. LANGJAHR,
Cut Flowers at Wholesale,
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TELEPHONE 939 MAIN.

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Always on Hand:
CARNATIONS, BRIDESMAIDS, BRIDES.
JOBBERS IN
FLORISTS' SUPPLIES
FLORISTS' VASES.
Horticultural Auctioneers.
84 HAWLEY STREET, BOSTON.

Headquarters in Western New York
—FOR—
ROSES, CARNATIONS
And all kinds of Seasonable Flowers.
GIVE US A TRIAL

WE CAN PLEASE YOU
WM. F. KASTING, 481 Washington Street, Buffalo, N. Y.
Wholesale Commission Florist
Also Dealer in Florists' Supplies & Wire Designs.

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Mention the Florists' Exchange when writing.

DUMONT & CO.,
WHOLESALE FLORISTS
CARNATIONS A SPECIALTY.
No. 1805 Filbert St., Philadelphia.
'PHONE, 8922 D.

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Consignments of First-class Stock Solicited.
Valley in quantity. Telephone connection.

GEO. M. MOSS,
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32 South 17th St., PHILADELPHIA, PA.
Long Distance 'Phone, 1430 D.
Consignments of choice ROSES, CARNATIONS, VIOLETS solicited.
Fine VALLEY in stock at all times.

LEO NIESSEN,
Wholesale Florist
N. W. Cor. 13th and Filbert Sts.
Long Distance Phone 3-45-94 D. Philadelphia.
Consignments of Choice Valley and Roses Solicited.

EDWARD REID,
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Bet. Market and Chestnut Sts.
CHOICEST STOCK ALWAYS ON HAND.
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J. B. DEAMUD,
Successor to Illinois Cut Flower Co.
Wholesale Cut Flowers
CONSIGNMENTS SOLICITED.
51 and 53 Wabash Ave., CHICAGO.

BASSETT & WASHBURN,
Wholesale Dealers and Growers of
CUT FLOWERS
76 WABASH AVE., CHICAGO, ILL.
Greenhouses at Hinsdale, Ill.
L. D. 'Phone at Chicago, Main 223.
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SUCCESSORS TO
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Wholesale Growers of Cut Flowers
OFFICE AND SALESROOM,
51 WABASH AVE., CHICAGO.
Headquarters for AMERICAN BEAUTIES.

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FLORIST
1322 Pine Street,
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Mention the Florists' Exchange when writing.

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GEO. A. SUTHERLAND, WHOLESALE
CUT FLOWERS AND FLORISTS' SUPPLIES.
No. 67 Bromfield St. and 18 Chapman Place, BOSTON, MASS.

ASPARAGUS PLUMOSUS NANUS CUT STRINGS, 8 feet long, 50 Cents per String.
Shipped to any part of the country.
W. H. ELLIOTT, - Brighton, Mass.

McKELLAR & WINTERSON,
Wholesale Commission Jobbers
In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work.
45, 47, 49 WABASH AVENUE, - - CHICAGO, ILL

...Wholesale Prices of Cut Flowers...

	Names and Varieties	Chicago Jan. 3 '00	St. Louis Jan. 3, '00	Cincinnati Jan. 2, '00	Milwaukee Dec 26 '99	Pittsburg Jan. 1, '00	Toronto Jan. 3, '00
Roses	A. BEAUTY, fancy—special.	40.00—45.00	....—	50.00—60.00	75.00—120.00	75.00—100.00	....—35.00
	" extra	30.00—35.00	....—	....—	40.00—60.00	60.00—70.00	....—30.00
	" No. 1	15.00—20.00	....—	..—25.00	25.00—30.00	30.00—50.00	....—20.00
	" Culls & ordinary	5.00—10.00	....—	10.00—15.00	6.00—10.00	10.00—15.00	....—10.00
	Bride	4.00— 7.00	6.00—10.00	4.00— 8.00	8.00—10.00	6.00—12.00	4.00—12.00
	Bridesmaid	4.00— 8.00	6.00—10.00	5.00— 8.00	10.00—15.00	6.00—12.00	4.00—12.00
	Hoste	....—	....—	....—	....—	....—	3.00— 8.00
	Jacqueminot	....—	....—	....—	....—	....—	....— ....
	K. A. Victoria	4.00— 8.00	....—	....—	8.00—12.00	6.00—10.00	....— ....
	La France	....—	....—	....—	....—	....—	....— ....
	Mermet	....—	....—	....—	....—	....—	4.00—12.00
	Meteor	4.00—10.00	8.00—10.00	4.00—10.00	10.00—15.00	6.00—12.00	4.00—12.00
	Mrs. Pierpont Morgan	....—	....—	....—	....—	....—	4.00—10.00
	Niphetos	....—	....—	....—	....—	....—	....— ....
	Papa Gontier	4.00— 6.00	....—	....—	....—	....—	....— ....
	Perle	3.00— 5.00	5.00— 8.00	3.00— 6.00	8.00—10.00	4.00— 8.00	4.00— 8.00
	Souv. de Wootton	....—	5.00— 8.00	....—	....—	....—	4.00—12.00
	ORCHIDS—Cattleyas	....—	....—	....—	....—	....—	30.00—35.00
	Cypripediums	....—	....—	....—	....—	....—	10.00—15.00
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
	" others	....—	....—	....—	....—	....—	....— ....
Carnations	Inf'r grades, all colors	.75— 1.00	1.00— 1.50	....—	....—	....—	2.00— 3.00
	STANDARD VARIETIES White	1.25— 1.50	2.00— 2.50	2.00— 2.50	3.00— 4.00	....—	....— 4.00
	STANDARD VARIETIES Pink	1.25— 1.50	2.00— 2.50	2.00— 2.50	3.00— 4.00	1.00— 1.50	....— 4.00
	STANDARD VARIETIES Red	1.50— 2.00	2.00— 2.50	2.00— 2.50	3.00— 4.00	1.00— 1.50	....— 4.00
	STANDARD VARIETIES Yel.&Var.	1.50— 2.00	2.00— 2.50	....—	3.00— 4.00	1.00— 1.50	....— 4.00
	*FANCY— White	3.00— 5.00	3.00— 4.00	4.00— 5.00	4.00— 6.00	....—	....— 5.00
	*FANCY— Pink	4.00— 8.00	3.00— 4.00	4.00— 6.00	4.00— 6.00	2.00— 3.00	....— 5.00
	*FANCY— Red	4.00— 8.00	8.00— 4.00	4.00— 7.00	4.00— 8.00	2.00— 4.00	....— 5.00
	*FANCY— Yel.&Var.	4.00— 8.00	3.00— 4.00	4.00— 5.00	4.00— 8.00	2.00— 3.00	....— 5.00
	NOVELTIES	....—	....—	....—	....—	....—	....— 5.00
	ADIANTUM	.75— 1.00	1.00— 1.50	....— 1.00	....— 1.00	1.00— 1.25	.75— 1.50
	ASPARAGUS	5.00—60.00	....—	....—	....—75.00	35.00—50.00	20.00—50.00
	CALLAS	8.00—10.00	8.00—12.50	....—10.00	15.00—20.00	8.00—10.00	8.00—12.00
	CHRYSANTHEMUMS ordin'y	....—	....—	....—	....—	....—	....— ....
	CHRYSANTHEMUMS, fancy	....—	....—	....—	....—	....—	....— ....
	HYACINTHS	2.00— 3.00	2.00— 3.00	2.00— 3.00	....—	1.50— 3.00	....— ....
	LILIES	15.00—20.00	....—	12.00—15.00	....—	15.00—20.00	....— ....
	LILY OF THE VALLEY	3.00— 4.00	....— 4.00	3.00— 4.00	....—	3.00— 4.00	3.00— 4.00
	MIGNONETTE—ordinary	2.00— 4.00	....—	....—	....—	2.00— 3.00	....— ....
	" fancy	6.00— 8.00	....—	....—	....— 4.00	4.00— 5.00	....— ....
	NARCISSUS	1.00— 2.00	2.00— 3.00	2.00— 3.00	....—	2.00— 3.00	2.50— 4.00
	SMILAX	10.00—12.00	....—15.00	12.00—15.00	....—15.00	12.50—15.00	....— ....
	VIOLETS	.75— 1.00	....—	....— 1.00	....— 1.00	.75— 1.00	1.00— 1.50
	VIOLETS—special	1.50— 2.00	1.00— 1.50	....— 1.50	1.50— 2.00	1.25— 2.00	1.50— 2.00

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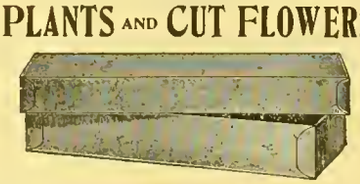

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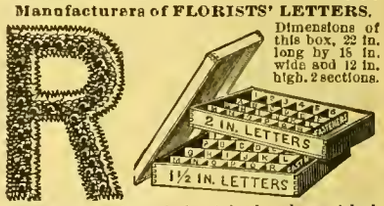

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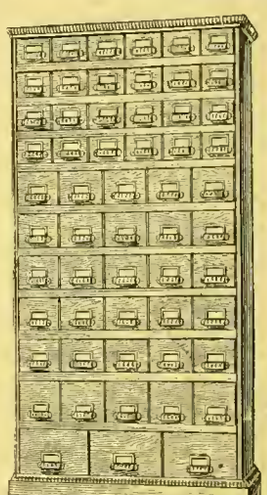

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Cincinnati.

An Average New Year's Trade.

The New Year's trade averaged with other years, and with nearly enough stock to fill all orders. Taking the holiday trade as a whole, I think it will average with that of former years, considering the quantity and quality of stock we had to sell. Strictly first-class roses, such as are found in New York, Chicago or Philadelphia, were not to be had in this market, and for what we did have, the grower cannot or wont understand why they should not bring the top-notch price. Many writers, in reporting the sales at special times, year after year, with an increase of 10 to 25 per cent., don't stop to figure and see what an immense trade this kind of figuring would lead to. Of course, the increased business with some may be, as in a case I have in mind, where one stated his sales were 90 per cent. ahead of 1898. But how do you account for such an extraordinary gain? Simply this: Last year he was entirely off crop and had nothing to sell; this year he was right in crop, and I think this will hold good with about nine-tenths of the people over the country That the year just past has been a prosperous one for the florists none of us will dispute. Business has been good and there is always a demand for first-class stock, in roses and carnations especially. But these we have not been able to procure in quantities to make it profitable, and even second-class stock has been scarce and not equal to the call for same at all times.

Our visitors were John Evans and two brothers, Richmond, Ind.; Meyer Keller, New Castle, Ind., and Harry Bonner, of Dayton, O. E. G. GILLETT.

Cleveland.

Good Holiday Business.

A most satisfactory holiday business is reported by every one. The weather up to Christmas Sunday was very favorable, and the bulk of plants and flowers were handled without difficulty until that time. The volume of business, as near as can be estimated, exceeded that of any previous year. Not alone was the increased demand for cut flowers, but in plants as well, and retail stores report a splendid trade in the latter. Bright weather during the early part of the month afforded large stocks of choice plants and equally large quantities of cut flowers; at no time was there any over-supply of flowers, and all available stock was used up.

Prices were advanced early in the week and good figures were reached, but show no increase over those of the previous Christmas season. Choice roses retailed at $2.50 and $3 per dozen; Beauty, $12 to $20 per dozen; carnations, ordinary, 75c. and $1; extra and fancy varieties, $1.50 and $2 per dozen; Paper Whites and Romans, 75c. per dozen; violets, $3 and $4 per 100. A few chrysanthemums were offered, and these fetched from $3 to $6 per dozen.

Wholesale men report an excellent trade and feel that more good stock would have found ready market had they been able to get more. Roses sold well at $10 and $12 for best stock; carnations, $2, $3 and $4 for ordinary; Romans, $2 and $3; violets, $1.50 and $2.

Christmas Greens.

The demand for Christmas greens and all holiday decorative material was unprecedented. The demand far exceeded expectations, and seedsmen and florists all report a complete cleaning up. One particular feature in connection with this line was the great demand for scarlet immortelles and the various designs made up from them. Never before were so many used at Christmas time, and the increased call for them can hardly be accounted for. Dry flowers of all kinds were in brisk demand, and the depleted stocks of the dealers here are best evidence of this. Holly cleaned up fairly well, considering the vast quantity which came into the city, and if any was left on hand after Christmas, it was on account of poor quality.

Notes.

E. J. Paddock is cutting a few single tulips, the variety being Proserpine. These are the first offered by local growers, but are not of much value for floral work, as they are so short in stem.

Many department, dry goods and clothing stores were extensively decorated during the holiday season. The materials used were principally laurel roping, wild smilax and palms. Ella Grant Wilson had several of these decorations.

The Union Club and Chamber of Commerce decorations were very elaborate affairs and were handled by Smith & Fetters. This firm has had on an average two and three decorations a day for the past two weeks.

Present Market Conditions.

The dull weather of the past ten days has had a tendency to shorten up the supply of flowers. Prices obtaining at present writing do not vary much from holiday rates, but the market is inclined to a gradual decline. Trade continues brisk.

G. A. T.

St. Louis.

The Market.

Trade during the past week has been very slow all along the line; wholesale men report plenty of stock with poor outside demand, as compared with last year. The only material at all scarce is first-class roses, with plenty of medium to poor, as roses seem to run in this locality this year. Beauty have been rather short in supply and find poor sale owing to the high price asked—50c. to 75c. each. These figures have been lowered, however. Violets are in short supply at $1.50 per 100. Carnations, especially, white, are plentiful at 2c. to 4c. The price in roses is 10c.; medium goods, 4c. to 6c. Harrisii lilies are finding poor sale. Bulb stock moves very slowly, although the quantity coming in has shortened up.

Taking it altogether, the demand and prices are away behind this time last year. The weather here has been steady cold for a week—lowest temperature 4 degrees above zero.

The retail men are complaining of poor business, although the usual number of weddings, receptions, etc., are on. Most of the decorations consist of holly and Christmas stock, which cuts off the flowers used.

An Enterprising Firm.

We recently visited the place of business of the Ostertag Bros., in which great improvements have taken place. The floor has been relaid with new tiling, new marble counters, with glass fronts put in, exceedingly neat and tasty in effect; an elegant new $500 ice box added—one of the finest we have ever seen, which not only keeps and shows off the flowers to best advantage but uses very small quantities of ice. The Brothers are also very well supplied with outfits in the way of cut glass, etc., for the best table decorations, of which they get their full share. They enjoyed a fine Christmas trade, using 10,000 yards of green and holly and other things in proportion. They got up a Christmas bell made of wood this year, which comes cheaper than other materials, besides making a neat and perfect subject. They sold an enormous quantity of these. This firm is about the pioneer in the manufacture of prepared palms, of which they have made a great success. The quantities they have sold are wonderful; they ship to every State and Canada. Henry, the head of the concern, is a great hustler, and we would not be surprised to hear of him taking a trip to the Philippines to work up trade, for if there is anything about he will have his share, which he surely deserves. C. C. S.

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2 in.,	" ..	3 75	4 in., "	6 20
2½ in.,	" ..	3 85	5 in., "	10 80
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150	2¾ " "	6.00	48 9 " " 3.60
100	3 " "	5.00	48 10 " " 4.80
80	3½ " "	5.80	24 11 " " 3.60
50	4 " "	4.50	24 12 " " 4.80
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Ottawa.

Christmas weather here was g
delivery, but poor for helping ot
cut flowers; the thermometer kep
close to 32, sometimes a little abov
others below. Business was very good, the demand for plants being away ahead of other years. Azaleas were the best sellers, C. Scrim and Graham Bros. got rid of close on to 500; everything went, even very indifferent Vervaeneana, which seems to be the general run of that variety this year. Palms sold well and everything in the shape of poinsettias was quickly snapped up. Scrim had some good heaths; but the public have hardly caught on to the good qualities of these yet. Cyclamen and primroses were very good this year, and there was quite a boom in them; pans of P. obconica took well. Bulbous stock went slow. All were well satisfied with plant sales. The demand for cut flowers was great, and many customers had to be refused, which fact sent them to the plant store and so helped along that branch. Scrim had a bonanza in the shape of a house of good chrysanthemums—Lincoln, Rieman, Golden Wedding, Maud Dean, Queen, Jones and Wanamaker. These were all sold at an average of $2.00 per dozen. Carnations were good and sold at 75c. and $1.00. Violets were in limited supply, going at $2.50 to $3.00 per hundred. Roses were very short; home-grown ones very good; imported ones not so good. The best brought $3.00. Hyacinths and narcissus were good and plentiful, and with stevia filled up quite a gap.

Taking weather into consideration I think Ottawa had more than its share of flowers to sell, and all are satisfied with results.

Christmas week brought a good many funerals, which kept stock down, and on New Year's Day everything went, but as the thermometer registered 15 below zero there seems to be a chance for some bright weather to stock up again with.

With best wishes for a successful year 1900 for the EXCHANGE. E.

Pittsburg.

New Year's Trade Good.

Trade after Christmas slackened up a little, but it was not dull by any means. New Year's trade, like the Christmas one, was far better than last year. The Saturday previous was rather discouraging, but Monday, January 1, was all right and stock was in good demand. Prices for good flowers were almost the same as at Christmas; the supply was also sufficient in spite of the severe Winter which has been prevailing ever since December 25, the thermometer not having been above 20 degrees in all that time, and for several nights hovering a little above zero, with sharp winds blowing. At present roses are shortening up a little, but other stock is abundant. Carnations are doing excellent. Tulips are coming in, but are rather short-stemmed. Harrisii are good, in fair demand, and will be more plentiful from now on. Romans and Paper Whites are a drug; I don't think there is a grower handling this stock who realizes enough to pay for the bulb. Valley is just about as remunerative, but in better demand.

The News.

One of our wealthiest citizens, Capt. Vandergrift, who died a week ago, in his will bequeaths $500 to his gardener, Thomas Lynass, who was in charge of his fine conservatories for a number of years.

The next meeting of the Florists' Club takes place January 11, at the store room of the Pittsburg Cut Flower Company on Liberty street. Every member should try to attend, as important matters in connection with the annual meeting of the State Horticultural Society will be discussed and all arrangements that the members desire to make must be completed. So far, Professor Shafer, of the Botanical Society, has promised to give something of interest, and P. S. Randolph, for the Florists' Club, will speak on the progress of floriculture in Allegheny County the past forty years, a subject he can well handle, being one of our oldest growers, not in age but in experience. Supt. Falconer has also promised to do what he can, and Messrs. Dunlevy and Handenshield, of the Fruit Growers' Association, are working hard to make the meeting a success. Nomination of officers for the new year also takes place at the forthcoming club meeting.

E. C. REINEMAN.



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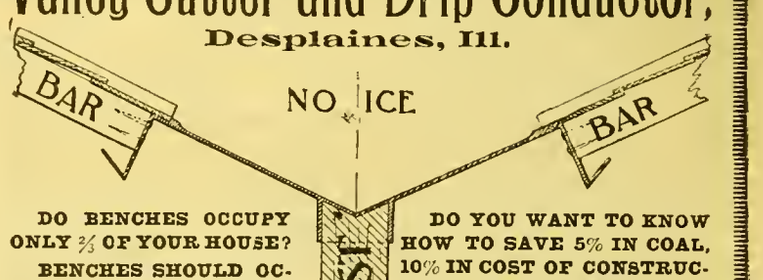

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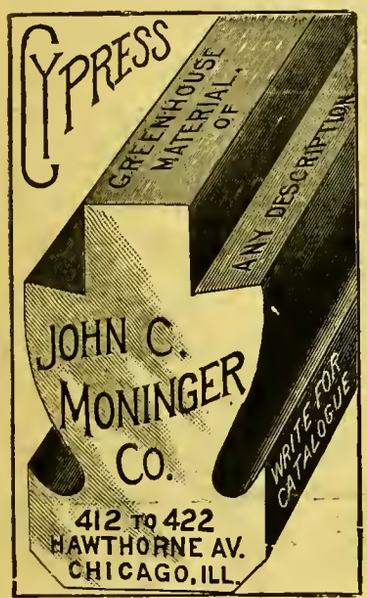

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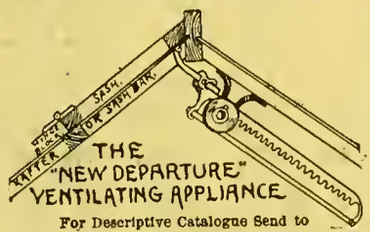

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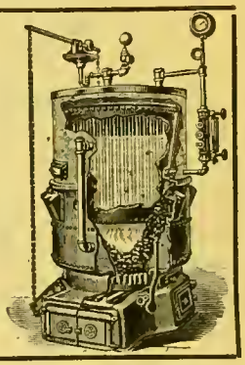



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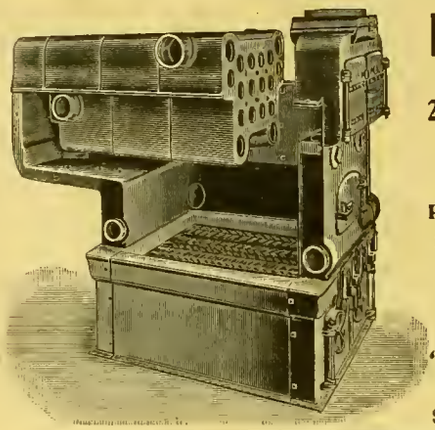

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Little Gem, dwarf	$0 10	$0 25
Maritimum, ordinary	10	15
DAISY (Bellis Perennis)—		
Snowball, White	50	2 50
Longfellow, Red	50	2 50
HOLLYHOCK—		
Choice Double, to color or mixed, crimson, white, rose, yellow, each	15	75
PANSY, *Non Plus Ultra*, no better mixture in existence.	50	8 00
LOBELIA—		
Crystal Palace Compacta, dwarf blue	25	2 50
Erinus, trailing blue	15	50
DRACÆNA INDIVISA—		
New crop	10	50
STOCKS—		
Ten Weeks, choice pot-grown seed, double flowers:		
Princess Alice, cut-and-come-again	50	3 00
Separate colors, or mixed red, white, rose, light blue, purple, etc.	50	2 50
SALVIA SPLENDENS—		
Scarlet Sage	30	1 50

SWEET PEAS All the leading varieties to name. Oz., 5c.; ¼ lb., 10c.; lb., 35c.; 5 lbs. for $1.50. **Eckford's Finest Mixed**, 5c. per oz.; 8c. ¼ lb.; 30c. lb.; 5 lbs., $1.25.

HARDY HYBRID ROSES 2-year-old, dormant, low-budded (for list of varieties see our ad., Dec. 16th of this paper). Bundle of 10 for $1.25; $10 per 100; $90 per 1000.

COCOS WEDDELIANA Fine plants, 12 to 15 in. from top of pot to tip of leaf, 3 in. pots, ready to shift to 4 and 5 in. pots, strong, stocky, healthy plants, worth $25 a 100. Our price until sold, $15.00 per 100.

CLUCAS & BODDINGTON CO.,

342 WEST 14th STREET, Telephone 461 18th. **N. Y. CITY.**

Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS.

NEW CARNATIONS

We are now ready to take orders for

STRONG ROOTED CUTTINGS.

GEN. MACEO. Most profitable dark carnation.

G. H. CRANE. Most profitable scarlet carnation

GLACIER. Good side bench, white.

MORNING GLORY. Deeper and better shade than Daybreak, at $1.00 per doz.; $6.00 per 100; $50.00 per 1000.

GEN. GOMEZ. Best selling crimson.

MRS. G. M. BRADT. Best selling fancy sort, at 75 cts. per doz.; $5.00 per 100; $40.00 per 1000.

WHITE CLOUD. Finest white to date.

GOLD NUGGET. Good deep yellow, 50 cts. per doz., $4.00 per 100; $30.00 per 1000.

MRS. JAS. DEAN. The finest fancy pink, $3.00 per 100; $25.00 per 1000.

MRS. THOS. W. LAWSON. The famous $30,000 pink, $3.00 per doz.; $14.00 per 100; $120 per 1000.

OLYMPIA. A rival to Mrs. Bradt, $2.00 per doz.; $12.00 per 100; $100.00 per 1000.

THE MARQUIS. A rival to Mrs. Lawson.

GENEVIEVE LORD. A grand pink, style of Mrs. Dean.

ETHEL CROCKER. Another fine pink that promises to be very profitable, $2.00 per doz.; $10.00 per 100; $75.00 per 1000.

25 at 100 rate; 250 at 1000 rate.

We have fine large healthy stocks and will deliver only fine, strong well rooted cuttings.

Send your Orders early.

C. W. WARD, Manager.

THE COTTAGE GARDENS, Queens, N. Y.



IT IS TIME YOUR SEED

SHOULD BE SELECTED.

Write for our Complete List of Seeds for Florists' Use.

WAS GROWING.

WM. ELLIOTT & SONS, 54 and 56 Dey St., New York.

Mention the Florists' Exchange when writing.

SEEDS FOR EARLY SOWING

	Trd. pkt.	Oz.
Alyssum compactum "Little Gem"..	$0.10	$0.25
Centaurea Odorata, light blue, Chameleon or Margaritae (pure white)	.25	1.00
Centaurea Gymnocarpa	.10	.50
Lobelia, Crystal Palace Erecta Compacta	.20	1.75
Perunia, Giant fringed, single	.50	
Phlox Drummondi, Graf Gero, mixed.....per ¼ oz., 50 cts..	.25	1.75
Phlox Drummondi, Nana compacta, Fireball	.25	2.50
Phlox Drummondi, Nana compacta, Snowball	.25	2.00
Phlox Drummondi, Nana compacta, mixed	.25	1.50

	Trd. Pkt.	Oz.
Salvia, Nana compacta	$.25	
Smilax	.15	$0.30
	Oz.	Lb.
Sweet Peas, Extra Early Blanche Ferry	$.10	.50
" Miss Blanche Ferry	.10	.40
" Blanche Burpee	.10	.50
" Countess of Radnor	.10	.50
" Emily Henderson	.10	.50
" Katharine Tracy	.10	.40
" Princess Beatrice	.10	.40
" **Dark Lavender**	.10	.75

Stocks, Giant Perfection, Ten weeks, per ½ oz., 50 cents.

Verbena, Superb Mammoth Mixture, per pkt. 25 cents, per oz., $1.00.

SPIRÆA **Compacta**.....per 100, $4.00; per 1000, $30.00
Japonica..... " " 3.50; " " 27.50

STUMPP & WALTER CO., 50 BARCLAY ST., NEW YORK.

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We are Headquarters for ROCKY FORD **Cantaloupe Seed.** We Solicit Your Orders

BARTELDES & CO., Denver, Col.

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EMERSON C. McFADDEN,
Wholesale Grower and Importer,
PLANTS BULBS AND SEEDS.
United States Exotic Nurseries,
SHORT HILLS, N. J.
TRADE LISTS ON APPLICATION.

Mention the Florists' Exchange when writing.

BURPEE'S SEEDS
PHILADELPHIA
WHOLESALE PRICE LIST FOR FLORISTS AND MARKET GARDENERS

Mention the Florists' Exchange when writing

PALM SEEDS

FRESH ON HAND.

	100	1000	3000
Phœnix Tennis	$0.75	$5.00	$13.50
" **Pumila**	1.00	8.00	22.50
" **Reclinata**	.75	5.00	13.50
Pandanus Utilis	1.25	10.00	27.50

L. J. SCHILLER, 404 E. 34th Street, New York,

Mention American Gardening when you write.

SEEDS

Plants and **Bulbs**

Wholesale and Retail Catalogues

Florists' Seeds a Specialty.

JAMES VICK'S SONS, Rochester, N.Y.

Mention the Florists' Exchange when writing.

Our Wholesale Price List of

Choice Flower Seeds
FOR FLORISTS

Is now ready. A post card will bring it to you. We have still on hand some of our

Lily of the Valley Pips

The finest that come to this country. Per 1000, $10.00. Cases of 3000 at $9.00 per 1000.

J. M. THORBURN & CO.,
36 Cortlandt Street, NEW YORK.

Mention the Florists' Exchange when writing.

A Chance for Bargains!

AUCTION BY MAIL.

Having a few **DUTCH BULBS** still on hand, I offer same to highest bidder, per 100 or 1000. Bids will be opened January 20, at noon, and bidders will be notified of the acceptance of their offer.

Crocus

170 Cloth of Gold
100 Cloth of Silver
50 Mont Blanc
1650 Striped
400 White
1621 Yellow No. 1
1250 Yellow No. 2
1250 All colors, mixed

105 Iris Hispanica
230 Iris Anglica
130 Grape Hyacinths, white
50 " " blue
150 Narcissus oreatus
65 " Trumpet Major
225 Single Jonquils
120 Narcissus, mixed

Cyclamen Persicum Giganteum

340 Crimson
180 Rose
150 White
125 All colors, mixed
13 Crown Imperials

185 Single Anemones
280 Double "
200 Glory of the Snow
150 Turkish Ranunculus
125 French "
150 Oxalis, mixed
50 Double Snowdrops

Single Early Tulips

500 Couleur Fonceau
70 Duc van Tholl, crimson
725 " " red, yellow
355 " " scarlet
100 " " gold striped

Single Early Tulips

100 Keizerskroon
500 Jaap van Delft
485 Joost van Vondel
12 Pottebakker, yellow
20 Rembraadt
175 La Reine
85 Rosa Mundi
75 Standard Royal
250 White Swan
200 Wouverman
200 L'Immaculee
210 Yellow
835 Striped
325 All Colors
340 Parrot Tulips, 4 named sorts
1400 **By-blooms, Bizarres**

Botanical Tulips

20 Gesneriana
90 Florentina
145 Golden Gem

Double Early Tulips

670 Duc van Tholl, red and yellow
375 Gloria Solis
500 Murillo
300 Pæony Gold
285 Tournesol, red and yellow
50 Mixed
1000 Yellow Rose, late
675 All colors, mixed

Single Hyacinths

1400 Miniature, all colors
200 Mixed Red
300 Mixed Rose

Single Hyacinths

420 Mixed Red and Rose
450 Pure blush-white
630 Light blue
350 Yellow
650 Dark blue

Double Mixed Hyacinths

335 Red
320 Rose
400 Red and rose
70 Pure white
270 Blush white
240 Dark, light blue
300 Yellow
450 All colors, mixed

Single Named Hyacinths

1st Size

40 Single red, rose, yellow

Double Named Hyacinths

1st Size

200 Red, white, blue, yellow

Single Named Hyacinths

All Red. 2d Size

70 Amy
20 Robert Steiger
170 Baron Von Thuyl
30 Gertrude
150 Belle Quirine
60 Lord Macauley

500 Lilium Longiflorum, 5-7
500 " " 6-8
500 " " 9-10

Conditions of Sale: Cash With Order.

C. H. JOOSTEN, Importer, 85 Dey Street, NEW YORK.

Mention the Florists' Exchange when writing.

The Finest **COSMOS** in the World.

Splendid New Varieties, "PINK BUTTERFLY" and "WHITE POND LILY."

Grand older varieties: **Giant Red, Pink, White,** separate and mixed; **Tints of Dawn, New Marguerite Cosmos, Fringed, Orange, Yellow, Dreer's "Early Dawn,"** and all the older varieties.

GRAND NEW GIANT WHITE POPPY, "MAID OF THE MIST."
NEW DIANTHUS, "ORIENTAL BEAUTIES."

Seaforthia Elegans, fresh crop. **Smilax,** fresh. Other seeds in variety.

SEND FOR TRADE LIST TO

MRS. THEODOSIA B. SHEPHERD, = Ventura-by-the-Sea, Cal.

Mention the Florists' Exchange when writing.

FERN BALLS

Fine for Easter Sales, if Started Now.

	Each	Doz.	100
Extra size...	$0.60	$5.00	$35.00
Second size..	.50	4.00	30.00



TREE PÆONIAS.

Novelty for Easter flowering. Start them now. Bring HIGH PRICES. White, rose, red, lilac. Sample 50 cts., Dozen, $5.00.

BULBS.

TUBEROUS BEGONIAS Finest English and Belgian strains. In separate colors, white, rose, scarlet, yellow and orange.

	Doz.	100	1000
Single, 1-1½ inch diameter..	$0.40	$2.50	$20.00
" 1½-2 " " ..	.50	3.00	25.00
Double, } 1-1½ in. diam.	.65	5.00	45.00
Separate colors } 1½-2 "	.75	6.00	50.00

Gloxinia Crassifolia Grandiflora—
1-1½ inch diameter..Per doz., $0.50 Per 100, $3.00
Extra, 1½-2 in. diam. Per doz, .60 Per 100, 4.00

Tuberose, Excelsior Pearl—
4-6 inch, per 100, $1.00 Per 1000, $7.00
3-4 inch, per 100, .50 Per 1000, 3.50

Fancy Leaved Caladiums, choicest sorts, fine large bulbs. Per doz., $1.50 Per 100, $10.00

CLEARING OUT A lot of **VALLEYS, Empress Brand,** Per 100, $1.00 Per 1000, $9.00
Spiræa Japonica Compacta, large clumps..... Per 100, $3.50
Send for **NEW LIST Gladioli, Canna, Dahlias,** etc.

FLOWER SEEDS. CROP 1899. **Sweet Peas** in all favorite sorts, **Aster, Mignonette,** etc. Send for new list.

SPECIAL OFFERS **Giant Perfection Stock,** Benary's Prize Strain, pure white, light or dark blue, crimson, rose, brick red. Large pkt., 25c.; ¼ oz., 50c.; oz., $1.50. **FRESH SMILAX SEED,** oz., 30c.; lb., $2.50.

READY SHORTLY.

	100	1000
Asparagus Sprengeri Seed	$0.75	$6.00
" **Plumosus Nanus Seed** (true)	1.00	9.00
Latania Barbonica	.40	2.50
Pandanus Utilis	$1.25	$10.00
Cocos Weddeliana	1.00	7.50

Send for our NEW LIST for Spring and Summer, 1900.

ESTABLISHED 1878.

H. H. BERGER & CO., 47 BARCLAY ST., NEW YORK

Mention paper.

Tested Flower Seeds FOR SEEDSMEN AND FLORISTS

ASTER Semple's True Branching, mixed, large trade pkt, 20c; 50c. per oz. Semple's Shell Pink, white and red, large trade pkt., 25c.; per oz., 75c. Imp. Pæony Flowered Perfection, mixed, large trade pkt., 25c.; per oz., 75c.; Imp Victoria, mixed, large trade pkt., 25c.; per oz., $1.25.

AMPELOPSIS VEITCHII per oz., 10c.; per lb., 75c.

CLEMATIS PANICULATA (Fine stock) large trade pkt., 15c.; per oz., 50c.; per lb., $5.00.

COBAEA SCANDENS (New crop) large trade pkt., 10c.; per oz., 30c.

DOUBLE DAISY Choice German, mixed, large trade pkt., 30c.; oz., $2.00

LOBELIA Crystal Palace Compacta (true) large trade pkt., 25c.; oz., $1.50.

MIGNONETTE Machet (true) large trade pkt., 10c. per oz., 40c. Defiance (true) large trade pkt., 25c.; per oz., 75c.

NASTURTIUM Tom Thumb, mixed, (new crop) per oz., 10c.; per lb., 50c.; per 100 lbs., $15. Tall, mixed (new crop), per oz., 10c.; per lb., 45c.; per 100 lbs., $40

PANSY Johnson & Stokes Kingly collection (prize strain), large trade pkt., 50c.; per oz., $5.00.

SALVIA SPLENDENS (Floracroft strain), large trade pkt, 20c.; per oz., $1.00; per lb., $12.00.

SMILAX, per oz., 30c.; per lb., $2 50.

VERBENA Mammoth Mixed. Large trade pkt., 25c.; per oz., $1.00.

Seedsmen,

JOHNSON & STOKES, 217 and 219 Market St., **PHILA., PA.**

Mention the Florists' Exchange when writing.

VAUGHAN'S FLOWER SEEDS.. FOR PRESENT SOWING

Strictly high class, new crop flower seeds of choicest, most carefully selected strains, for florists' use.

PANSY, VAUGHAN'S INTERNATIONAL MIXTURE, which is better now than ever. Trade pkt., 50c.; ⅛ oz., $1.50; ¼ oz., $2.50; oz., $10.00.

PANSY, VAUGHAN'S GIANT MIXTURE, contains all the separate colors of Trimardeau, Cassler, Bugnot and a number of new colors. Trade pkt., 25c.; ⅛ oz., 60c.; ¼ oz., $1.00; oz., $4.00; ¼ lb., $14 00.

PANSY, TRIMARDEAU, mixed. Trade pkt., 10c., ¼ oz., 30c.; oz., $1.10; ¼ lb., $3 00.

PANSY CHICAGO PARKS MIXTURE, trade pkt., 10c.; ⅛ oz., 30c.; oz., $1.00; ¼ lb., $3.00.

BROWALLIA SPECIOSA MAJOR (Giant Browallia). Trade pkt., 25c.

DAISY, VAUGHAN'S MAMMOTH WHITE, MAMMOTH PINK AND MAMMOTH MIXED. Each, trade pkt., 25c.

DAISY, SNOWBALL AND LONGFELLOW. Each, pkt., 15c.

CENTAUREA GYMNOCARPA. Trd. pkt. 10c.; oz. 40c.

CENTAUREA CANDIDISSIMA. 1000 seeds, 25c.; oz., $1.00.

ORACAENA INDIVISA. Oz., 30c. lb., $2.50.

FERN SEEDS, Adiantum, Nephrolepis, Pteris, etc. Trade pkt., 50c.

HELIOTROPE, LEMOINE'S GIANT. Trd. pkt., 25c.

LOBELIA SPECIOSA. Trade pkt., 10c; ¼ oz., 25c.

" **CRYSTAL PALACE COMPACTA.** Trade pkt., 25c.; ¼ oz., 50c.

LOBELIA BEDDING QUEEN, deep blue. Pkt., 25c.

" **WHITE LADY.** Dwarf white. Pkt., 15c.

" **SUTTON'S GEM.** White, pink or blue. Each, trade pkt., 20c.

MIGNONETTE MACHET, true. Pkt., 10c.; oz., 40c.

DAISY BISMARK, new. An improved Machet. Pkt., 15c.; ¼ oz., 30c.

PETUNIA HYB, BLOTCHED AND STRIPED. Trade pkt., 10c.; ¼ oz., 25c.

PETUNIA, "VAUGHAN'S BEST" Mixture of large-flowering, none better, includes all the fringed sorts, as well as Giants of California and other choice strains. Trade pkt. (1000 seeds), 50c.; 3 pkts. for $1.25.

PETUNIA, VAUGHAN'S DOUBLE MIXED, extra fine, 600 seeds, $1.00.

PETUNIA, DOUBLE WHITE AND DOUBLE FRINGED WHITE Each, 250 seeds, 50c.

PRIMULA FORBESI. "Baby Primrose." 500 seeds, 25c.

PRIMULA FORBESI COMPACTA, new, 500 seeds, 35c.

SALVIA SPLENDENS. Clara Bedman. Pkt., 25c.

" " Drooping Spikes, ¼ oz., 25c.

" " New Crimson. Pkt., 25c.

PRIMULA OBCONICA GRANDIFLORA AND ROSEA. Each, trade pkt., 25c.

STOCKS, large flowering, ten-week, white, pink, blood red, crimson, light blue, purple, canary yellow and extra choice mixed. Each, trade pkt., 25c.; any 5 for $1.00.

THUNBERGIA, mixed. Oz. 30c.; pkt., 10c.

TORENIA FOURNIERI COMPACTA AND WHITE WINGS. Each, trade pkt., 25c.

VINCA ROSEA, Alba, Alba Pura and mixed. Each, trade pkt., 10c; oz., 50c.

VERBENA, MAMMOTH MIXED. Trade pkt,, 10c.; ¼ oz., 25c; oz., $1.00.

VERBENA, white, scarlet, striped, purple. Each, trade pkt., 10c.; ¼ oz., 25c.

VERBENA, "VAUGHAN'S BEST" MIXTURE, contains all the best colors and strains of Verbenas that are in existence. It is one of those mixtures like our International Pansy, Best Petunias, etc., that cannot be duplicated elsewhere. Trade pkt., 25c.; ¼ oz., 60c.; oz., $2.00.

We allow a discount of 10 per cent. on orders for flower seeds for $2 00 and over for cash with order.

For other seeds, send for our complete Flower Seed List.

TUBEROSE BULBS!

Excelsior Dwarf Pearl.

True Hallock Strain.

New York—VAUGHAN'S SEED STORE—Chicago

Mention the Florists' Exchange when writing.

MICHEL PLANT AND BULB CO.

ST. LOUIS, MO.

Mention the Florists' Exchange when writing.

ASTER SEED

Tall branching, mixed, choice strain.
75 cts. per ounce

Mignonette Seed. Allen's Defiance, $1.00 per ounce.

Pansy Seedlings. Reck's Strain, 35c. per 100. $3.50 per 1000.

Cash with order from unknown parties.

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

TUBEROSES=The Pearl

Size, 4 to 6 inches circumference,
Per 1000, **$6.50 Net.**

CASH WITH ORDER.

HULSEBOSCH BROS., Englewood, N. J.

Mention the Florists' Exchange when writing.

DANISH CAULIFLOWER SEED.

Early Dwarf Danish Snowatorm, a fine selection from Early Dwarf Erfurt, selected up by my grower for a quarter century. Always uniformly good, solid, large white heads and early.

No matter what you pay, you cannot get a finer strain.

Samples free to Seedsmen. $12 a lb.

A. E. WOHLERT, Importer, Altoona, Pa.

Mention the Florists' Exchange when writing.

COX SEED CO.

Wholesale Seedsmen

14 & 16 Ninth Ave., 411, 413, 415 Sansome St.,

NEW YORK. SAN FRANCISCO.

Mention the Florists' Exchange when writing

Sound Calla Roots

in splendid condition. Will supply at following low prices, carefully packed;

¾ to 1¼ inches diameter, per 100.....$2 50

" " " per 1000.....20.00

Delivered, Express Charges Prepaid, to any United States Address.

GERMAIN FRUIT CO.,

Seed Department, Los Angeles, Cal.

Mention the Florists' Exchange when writing

RAWSON'S Arlington Tested Seeds

Are now well known to some florists, we want them known to all florists. Special price list sent on application.

W. W. RAWSON & CO., Boston, Mass.

12 and 13 Faneuil Hall Sq.

Mention the Florists' Exchange when writing.

DO YOU WANT THE BEST?

We supply Danish grown seed of

Cauliflower and Cabbage Danish Ball Head.

BEST QUALITIES, FINEST STOCK.

CHEAPEST PRICES.

Samples and prices free on application.

L. DAHNFELD, Odense, Denmark. (Established 1850.)

Mention the Florists' Exchange when writing.

ASTER | COSMOS | PANSY | SALVIA | ZINNIA

BEANS | CLOVER | GRASS | ONIONS | PARSNIP

SEED TRADE REPORT

Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Chicago, Ill., President; ALBERT MCCULLOUGH, Cincinnati, First Vice-President; F. W. BOLOIANO, Washington, Second Vice-President; S. F WILLARD, Wethersfield, Conn., Secretary and Treasurer.

Nashville, Tenn.—J. H. Frith & Co. have removed to Market street.

Calvert, Tex.—On January 3 a fire destroyed a quantity of seed in the warehouse of Gibson Bros. The loss is covered by insurance.

Government Free Seeds.—In the Spring the Congressman sends out the seeds, and in the Fall he gathers the votes.—Baltimore Sun. A rich harvest for him; but a profitless one for the country.

John Lewis Childs, Floral Park, N. Y., issues this year a 25th anniversary catalogue, having 156 pages, some 500 illustrations, and 9 or 10 colored plates. Eight pages are devoted to his 25 years of business, with detailed illustrated sketches of Floral Park, and his establishment.

Wants Seedsmen's Catalogues—The Department of Agriculture often receives letters asking where the seeds of certain varieties of vegetables and flowers can be purchased. In order that these questions may be readily and accurately answered the Division of Botany is preparing a list of dealers and varieties offered, and would request that all seedsmen forward their catalogues to the division as soon as issued, so that the list may be made as complete as possible. The varieties they offer can then be included in our list and inquiries regarding them promptly answered.

Seedsmen are requested to send catalogues to the Seed Laboratory, Division of Botany, U. S. Department of Agriculture, Washington, D. C.

A. J. PIETERS.
In charge of Pure Seed Investigations.

Grasses Suitable for Lawns.

In a bulletin on the subject of Grasses and Forage plants, published by the Agricultural Experiment Station of the University of Tennessee, at Knoxville, J. B. Killebrew, A. M., Ph. D., grass expert of that institution, recommends the subjoined mixtures, with the amount of seed to be sown per acre, as suitable for lawns.

If it is intended to mow the lawn or yard frequently the following mixture may be used:

Kentucky blue grass	10 lbs.
Hard fescue	5 lbs.
Wood meadow grass	5 lbs.
Sheep fescue	2 lbs.
Meadow fescue	4 lbs.
Sweet scented vernal grass	2 lbs.
Red top	15 lbs.
Yellow oat grass	4 lbs.
Crested dog's tail	6 lbs.
Orchard grass	5 lbs.
Meadow foxtail	5 lbs.
	63 lbs.

Flint recommends as a mixture for permanent lawns and pastures lying within the vicinity of dwellings or public highways the following, to which I have added one or two other grasses:

Meadow foxtail	3 lbs.
Sweet scented vernal	2 lbs.
Orchard grass	3 lbs.
Hard fescue	2 lbs.
Sheep's fescue	2 lbs.
Meadow fescue	2 lbs.
Italian rye grass	3 lbs.
Perennial rye grass	4 lbs.
Timothy	3 lbs.
Red top	3 lbs.
English blue grass	5 lbs.
Rough stalked meadow	3 lbs.
Yellow oat grass	1 lb.
Red clover	2 lbs.
Perennial red clover	2 lbs.
White clover	4 lbs.
Fowl meadow grass	3 lbs.
Kentucky blue grass	14 lbs.
	61 lbs.

BARGAINS

In **CALIFORNIA PRIVET, AMPELOPSIS VEITCHII, CLEMATIS PANICULATA SHRUBS and GRASSES.**

Write for Prices.

The Elizabeth Nursery Co., Elizabeth, N. J.

Mention the Florists' Exchange when writing.

SEEDS for Profit

FLORISTS' FLOWER SEEDS **Sweet Peas**

Wholesale Catalogue on application.

WEEBER & DON, Seed Merchants and Growers.
114 Chambers St., New York City.

Mention the Florists' Exchange when writing

XXX SEEDS

VERBENA GRANDIFLORA.
The finest strain of Improved Giant Verbenas yet produced, largest flowers and best colors, per pkt., 800 seeds, mixed colors, 50 cts.

CYCLAMEN GIGANTEUM.
The choicest Giant-flowering varieties in best mixture, pkt., 200 seeds, $1.00; half pkt., 50 cts.

PETUNIA DBL. FRINGED.
The largest and finest Double Fringed and Mottled Petunias to be had, trade pkt., 50 cts.

CHINESE PRIMROSE.
Best large, single and double, 500 seeds, $1.00

PHLOX DRUM. PUMILA.
New, very dwarf, perfect beauties, excellent for growing in pots for Spring sales, mixed colors, per trade pkt., 20 cts.

PANSY Finest Giant. Choicest mixed Mammoths, 3500 seed; $1.00; ½ pkt., 50 cts.
A pkt. of New Double Early-flowering Dwarf Vienna Carnation added to every order.

JOHN F. RUPP, Shiremanstown, Pa.
The Home of Primroses.

Mention the Florists' Exchange when writing.



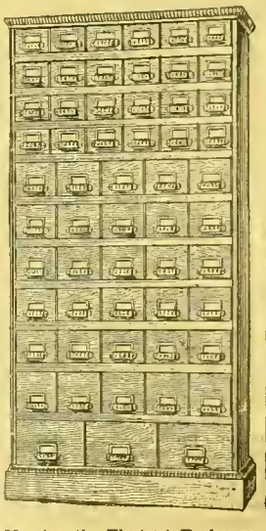
LILY OF THE VALLEY
Selected Hamburg Pips, per 1000, $10.
Case lots of 2500, for $23.75.

Seeds of **ASPARAGUS SPRENGERI**
$7.50 per 1000 seeds; 80 cts. per 100 seeds.

ASPARAGUS PLUMOSUS NANUS
$10.00 per 1000 seeds; $1.25 per 100 seeds.
Less 10 per cent. for Cash with Order.

AUGUST RÖLKER & SONS, 52 DEY ST. NEW YORK.

Mention the Florists' Exchange when writing.



SEED CASE FITTED WITH HELLER'S STEEL SEED BOXES.
Mice and Insect Proof. Send for Catalogue.
Montclair, N. J.
HELLER & CO.,

Mention the Florists' Exchange when writing.

In the selection of these grasses for lawns the idea of beauty should be preserved as well as the nutritiousness of the grasses. Some grasses will grow and maintain their verdure throughout the dry season, giving a freshness to the lawn, and yet will be of but small value for the grazing of stock.

The following mixture is also suggested, which will probably do better on argillaceous soils thinly shaded than the first mixture named:

Tall oat grass	1½ lbs.
Tall fescue	1¼ lbs.
Meadow fescue	1¼ lbs.
Meadow foxtail	1 lb.
Orchard grass	2 lbs.
Hard fescue	1 lb.
Sheep's fescue	2 lbs.
Quaking grass	½ lb.
Comb grass	½ lb.
Sweet scented vernal	1 lb.
Timothy	½ lb.
Kentucky blue grass	14 lbs.
Red top	10 lbs.
Tufted hair grass	¼ lb.
Red clover	5 lbs.
White clover	3 lbs.
Fowl meadow	2 lbs.
	44¼ lbs.

For orchards and shady places the following mixture of grasses and the quantity of seed per acre will be found suitable:

Orchard grass	20 lbs.
Hard fescue	2 lbs.
Tall fescue	2 lbs.
Italian rye grass	3 lbs.
Perennial rye grass	3 lbs.
Timothy	6 lbs.
Red top	10 lbs.
Wood meadow grass	4 lbs.
Rough stalked meadow grass	2 lbs.
English blue grass	4 lbs.
Perennial red clover	3 lbs.
White clover	4 lbs.
	63 lbs.

For rocky or gravelly lands the following mixture is recommended:

Red top	2 lbs.
Tall oat	2 lbs.
Crested dog's tail	3 lbs.
Orchard grass	3 lbs.
Red fescue	4 lbs.
Meadow soft grass	2 lbs.
Perennial rye grass	6 lbs.
Timothy	6 lbs.
Wood meadow grass	3 lbs.
English blue grass	2 lbs.
Rough stalked meadow grass	2 lbs.
Black edmic	3 lbs.
White Clover	8 lbs.
	46 lbs.

Land liable to be overflowerd with fresh water will do best if sown with the following mixture:

Fioria	4 lbs.
English Bent	3 lbs.
Tall fescue	5 lbs
Slender fescue	2 lbs.
Manna grass	5 lbs.
Reed canary grass	3 lbs.
Timothy	4 lbs.
Red top	3 lbs.
Rough stalked meadow grass	4 lbs.
Fowl meadow grass	6 lbs.
White clover	3 lbs.
	42 lbs.

Prof. Beal, of the University of Michigan, recommends the sowing of two bushels of Kentucky blue grass and two bushels of small bent grass, known as Rhode Island bent, brown bent, or creeping bent, or red top, to the acre for lawns. He thinks a few ounces of white clover seed might be added, but it is by no means important. The bent grasses, so called, correspond with our herd's grass. He, as well as Prof. Scribner, objects to the sowing of orchard grass in a lawn. My observation and experience convince me that when orchard grass is sown at the rate of three or four bushels of seed per acre in a woodland pasture where most of the trees are oak it does better than the finer grasses, because it is a stronger grower and is able to withstand the damaging effect of the heavy oak leaves. Being sown thickly it covers the ground completely and will not appear in a tussocky form for two or three years. My opinion is that orchard grass in such situations is to be preferred to any other. Lawns should be sown with about double the number of seed that is used for a pasture. The object is to have the ground covered. The seed should be sown without any "nurse crop."

In the preparation of lands for a lawn the greatest care must be taken to have the soil enriched and raked until it is as fine as garden mold. No clods or stumps or rocks should be left on the surface. After the seed is sown the lawn should be rolled and, as far as possible, all the little inequalities in the surface filled. Frequent mowing of lawns is the only method of preserving their attractiveness and beauty. The grass should never be permitted to seed.

Bermuda grass makes a beautiful lawn, but is apt to turn brown the latter part of the Summer. Where there is a sufficient supply of water to keep the ground moist by sprinkling it forms a beautiful covering for the yards and lawns of the Southern States.

Imports and Exports Statistics.

The following exports and imports of plants, shrubs, seeds, etc. are for the month of November, the latest period for which the official figures have been compiled by the Treasury Department.

The dutiable imports of plants, shrubs and vines amounted to $95,887 in November, 1898, against $90,557 during the same period of last year. The free imports of seeds amounted in November to $70,648 against $37,075 during November, 1898. The total for the 11 months amounted to $116,562 during 1899, as compared with $556,075 during 1898.

The dutiable imports of seeds amounted to $80,150 in November, 1899, as against $50,840 during November, 1898. During the 11 months ending with November, 1899, the imports amounted to $418,928, as compared with $264,862, the value of the imports during a like term of last year.

The exports of seeds to other countries amounted to $1,814,419 in November, 1899, as against $1,164,487 a year ago.

The countries to which the United States exported seeds were the United Kingdom, which received shipments to the value of $585,339 in November, as against $243,899 worth during the same month of 1898.

Shipments to France amounted to $52,269 in November, 1899, as against $7,862 during the corresponding month of the previous year.

Germany imported seeds from the United States to the value of $328,287 in November against $222,161 worth during November of a year ago.

Other European countries received shipments to the value of $778,547 in November, 1899, as compared with $567,938, the value of the exports of seeds during the corresponding month of the preceding year.

A decrease is to be noted in the exports of seeds to British North America, being valued at $54,514 in November, 1899, as compared with $109,583, the value of the exports during the same month of 1898.

Seeds were exported to British Australasia to the value of $10,283 in November, 1899, as compared with $11,111 during November a year ago.

Flushing, N. Y.,—A spark from a passing locomotive set fire to a cedar hedge on the nurseries of Keene & Foulk, Saturday evening last. Through the effective efforts of the Flushing Fire Department, adjoining buildings were saved, and the damage confined to the hedge. The loss is estimated at $250.

Perry Watson & Co.
CALIFORNIAN SEED HOUSE
—SPECIALTIES—

Onion Seed	Sweet Peas	Lima Beans
Lettuce	Cosmos	Salt Bush
Celery	Hollyhock	Bromus Grass
Carrot	Verbenas	Bermuds "
Salsify	Asters	Johnson "
Parsnip	Mignonette	
etc.	etc.	etc.

ALL CALIFORNIA GROWN. WHOLESALE ONLY.
SACRAMENTO CALIFORNIA
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EXTRA CHOICE FLOWER SEEDS.
List free on application.
FRED. ROEMER, SEED GROWER,
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NURSERY DEPARTMENT

AMERICAN ASSOCIATION OF NURSERYMEN

WILSON J. PETERS, Troy, O., President; D. S. LAKE, Shenandoah, Ia., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

Myron S. Green, a prominent orchardist of Sacramento, Cal., died December 29 last. He was born in Richmond, Vermont, May 17, 1838.

A prominent nurseryman says, anent the San José Scale legislation, "I would like to see nurserymen and all interested take a hold of this matter, and get some good, common-sense worked into it."

The fourth annual meeting of the Eastern New York Horticultural Society will be held on February 7 and 6, at the rooms of the American Institute, No. 19 West 44th street, New York City. The American Institute will offer $250 in prizes for exhibits of fruits, vegetables and flowers.

At the recent meeting of the New Jersey Horticultural Society, held at Trenton, it was stated that during the past year a Burlington farmer raised 95,000 baskets of Kieffer pears, from which the net proceeds were $28.500. The Kieffer pear crop has been so large that, as an experiment, some farmers are having the pears canned for export purposes.

Nurserymen and fruit growers are taking great interest in the patented tree protector manufactured by the Expansive Tree Protector, Co., Rochester, N. Y. This protector, on account of its efficiency, may be well termed a veritable dead line across which none of the pests that infest and destroy the trees can possibly pass. Durability is also to be added to its other good qualities.

Winter Colors of Evergreens.—Very few evergreens maintain their Summer colors throughout the Winter, and while the question will rarely arise at selling time, he who wishes to please his customers in selling them stock that will suit their tastes all the year round, will do well to make some observations, at this time, of the condition of various evergreens. The tendency, on the arrival of cold weather, is to take on a brownish cast, which earns for some evergreens the sarcastic designation, by dissatisfied patrons, of "everbrowns." On the other hand, when such evergreens are arranged with others to contrast in colors, the effect will most likely be pleasing to every one. Perhaps the brownest of all is the Chinese golden Arbor vitæ, which turns from an exceedingly pale golden shade (scarcely sufficient to warrant the name it bears) to a very reddish brown. To the novice it is not unlikely to appear to be in a dying condition, jnpging by the color above; while to the trained eye it may appear rich. This evergreen, by the way, comes in for a large share of appreciation because of its dwarf, regular growth. As compact as can be, the growth is imperceptible—the plant seems simply to swell. Approximately, it will never grow over four or five feet in height, shaping slightly conical or semi-globular. All arbor vitæs have a brownish tinge at this time, more or less. One of the least is Thuja pyramidalis, which has a pretty, bright green color in what might be termed its normal condition.

Retinisporas Sieboldi and Veitchii are well known for their Winter coloring, which is blue, sometimes rather rusty. Being unobtrusive plants, small and chiefly useful for diversity of coloring in groups, they are generally found desirable.

The Colorado blue spruce, unless of the best blue normally, loses much of its color in Winter. Grafted plants, because of selected color, are always the best to use.

The common Norway spruce remains perfectly green, for which character it deserves credit; but it is not a desirable thing for many purposes. The yew has a perfect dark green color all the year round, except when "burned" brown by the Winter sun. Lawson's cypress, Retinispora squarrosa, and most junipers carry their color perfectly, the Chinese and Swedish junipers being particularly attractive. Pines are very satisfactory in every respect.

Columnar Growing Trees.—Notwithstanding there are proper objections to the use of poplars of all kinds, as a rule, the Lombardy has a character of growth which makes it better adapted and more effective for special purposes than anything else among deciduous trees. According to the situation, some houses do not require trees around them for the purpose of giving shade, but solely to produce a natural landscape effect. They are the combining feature between Nature and the architectural arts of man. For the same reason we arrange our bouquets to contain spikes of flowers, breaking into regular lines to form a graceful bunch. And in like manner an architect keeps an eye open to the perspective. How effective is the church spire, clean cut against the sky!

Then, again, as a side-walk tree, occasional ones of erect character relieve the eye of the monotony sometimes induced by similarity of form and those trees ravished by the "butcher." Shade is not always required, especially on one side of a street—the desire is largely to draw a little more of nature closer to the home. In such cases they may be planted about twenty feet apart. On lawns they may be planted singly or in groups of three, according to the openness of the place. In groups, 10 feet apart would be close enough.

The Lombardy poplar was mentioned because so long as it remains vigorous and healthy its growth is much handsomer than any other. Then, too, it grows with great rapidity. Lasting powers are perhaps less to be considered here than where permanent trees for shade and massive effects are needed. A Lombardy eight or ten years old is already filling an important place, which another would not in five years more. Yet there are others very desirable for their uniqueness and uncommonness. These are the pyramidal oak, pyramidal birch and the maidenhair tree, salisburia. The latter is the more interesting, making a very rapid growth, but with few twigs and branches. Its leaves are unusually formed like a fan, or the leaflets of a maidenhair fern, from which it has received its popular name. A Japanese tree is as hardy as a rock, and suits itself to almost any condition. As a street tree, it has a future before it, lending itself readily to pruning into a bushy headed tree. S. MENDELSON MEEHAN.

Best Quality at Lowest Rates.
ROMAN HYACINTHS,
NARCISSI, FREESIA,
and other French Bulbs for forcing.
BERNARD SON, 29 Boulevard du Musée Marseille, France.
Bulb Grower and Exporter.
Established 1872. Bulbfields-Hyères, Ollioules.
WHOLESALE ONLY.
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NOW IS THE TIME TO BUY
VERBENA SEED—Mammoth flowering, choicest mixed, 50c. per ¼ oz.; per oz., $1.50.
ASPARAGUS PLUMOSUS NANUS SEED—(Home grown), $1.00 per 100 seeds, $9.00 per 1000 seeds.
ASPARAGUS SPRENGERI SEED, New Crop—75c. per 100 seeds; $6.00 per 1000 seeds.
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WHOLESALE PRICE LIST OF SEEDS, BULBS &c. ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS.
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"HOW TO GROW MUSHROOMS"
The most practical treatise on this interesting subject ever written.
ONLY 10 CENTS. Published by
AMERICAN GARDENING, 136 Liberty St., NEW YORK, N. Y.
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FRUIT and ORNAMENTAL TREES,

Shrubs, Vines and Roses.

Write for price list or send your lists of wants for special prices.

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CALIFORNIA PRIVET CUTTINGS

From choice plants, grown at the sea shore, for sale. In view of the immense demand for Privet, nurserymen should increase their stock of this favorite hedge plant.

Send $1.25 for sample of 1000 cuttings.

Atlantic Coast Nursery, 608 Fourth Avenue, Asbury Park, N. J.

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EAGLE The Everbearing, Neverfailing PLUM

Best money maker known. Twenty-six successive crops on parent tree; fine size and color and very best flavor. Perfectly hardy.

ROSEDALE HYBRID

Handsomest evergreen of its class ever offered. Sells at sight. Send for descriptions and prices.

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Large stock, strong 3 year trees, also light plants for mail and express trade. Write for prices, stating grade and quantity required.

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RHODODENDRONS,	AZALEAS,
SPIRÆA JAPONICA,	LILIUM SPECIOSUM
PÆONIES,	BLEEDING HEART
POT GROWN LILACS,	HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.	

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100,000 PRIVET

	Per 1000		Per 1000
1½-2 ft.	$20.00	3-4 ft.	$35.00
2-3 ft.	30.00	4-5 ft.	45.00

Usual Assortment of ROSES, Including Crimson Rambler.

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In any quantity, for the least money.

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Large Shapely Plants well set with buds, 13 to 15, $6.00 per dozen; 14 to 16, $9.00 per dozen.

Cinerariae in bud and bloom, 5 in., $1.50 per dozen; 4 in., $5.00 per 100.

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Can yet do PEACHES and JAPAN PLUMS in limited quantity; also MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY, STRAWBERRIES from best leading varieties.

Prices for same given upon application.

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NORWAY MAPLES.

1000	8 to 10	feet.
1000	6 to 7	"
700	4 to 6	"
700	3 to 4	"
100	1 to 2	"

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500	3 to 4	feet.
500	2½ to 3	"
500	2 to 3	"

10,000 Peach Trees, General Assortment

The Maple and Juniper will be sold at very low prices in order to close out.

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12 to 18 " " 9.00; " 65.00
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Extra large specimen plants, $2.50 to $5.00 each.

Azalea Mollis, 30 to 40 buds, $4.50 per doz., $35.00 per 100.

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Yellow, Pink, White Rambler, same price.

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H. P. Roses, in variety, $10.00 per 100.

Gladiolus May, ... $2.00 per 100

		per 100
Spiraea	Japonica	$3.50
"	Aurea Reticulata	10.00
"	Compacta	5.00
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Paeonia Officinalis, Rubra Plena.. $10.00 per 100

Dielytra Spectabilis, extra strong, $10.00 per 100.

Coxinia, Named varieties, as follows: Mont Blanc, pure white; Defiance, scarlet; Progress, red white bordered; Patrie, violet, white bordered; also a limited quantity of Kaiser Frederich and Kaiser Wilhelm, the best varieties out, $4.00 per 100.

Tuberous Rooted Begonia, single, $3.50 per 100 double, 5.00 per 100

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3 to 4 ft. strong, $15.00 per 100; 4 to 5 ft., extra strong, $18.00 per 100.

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Fruit Trees, Small Fruits, including grapes, Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers, to others for 10c.

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Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

ALL-AROUND florist, grower, propagator, etc., inside and outside man, German, age 30, wants commercial situation. Address Jo. Mertl, 363 E. 71st St., New York.

GARDENER and florist, experienced all round man, wants a position on a private or a commercial place, good references; will go anywhere. K. L., care Florists' Exchange.

SIDE LINE. A salesman would like to sell on commission, onion sets, potatoes, beans and peas, to market gardeners in Long Island; references. K. B., care Florists' Exchange.

YOUNG man, good address desires position as assistant in retail store; experience in greenhouse work and making up. References. K. F., care Florists' Exchange.

GERMAN, 31, single, strictly sober, 17 years' experience, all around man, well up in cut flowers, general greenhouse stock, good propagator, wants situation. State wages. K. H., care Florists' Exchange.

SITUATION wanted, as working foreman; high grade roses, carnations, 'mums, violets, palms, ferns and general stock; designer, 15 years' experience, single, best references. I. Nelsen, P. O. Box 134, Wallaston, Mass.

A YOUNG man would like situation on commercial place where he can advance. K. E., Florists' Exchange.

HELP WANTED.

WANTED, single man, one speaking German preferred; good all-around man, good worker, $20.00 a month and board. Chas. Buennin., North 13th St., Easton, Pa.

WANTED, a capable, all around man, with some cash, to take charge of 6000 feet of glass, with interest, or will sell at bargain. Good thing; fuel free. Address K. J., care Florists' Exchange.

WANTED—Young man with some experience in growing general line of cut flowers and plants; 10,000 feet glass; state experience and wages with board per month. Address J. S., care Florists' Exchange.

WANTED at once, single man for general greenhouse work; must be sober, steady, and a good worker; wages, $20 per month and board. State age, experience and nationality. H. C. Hansen, Rameeys, N. J.

WANTED—Young man, capable of taking care of conservatory and being generally useful in retail store; must be able to drive delivery wagon. Wages $12 per week. Apply to Theo. Lang, 670 Sixth Ave., New York.

WANTED, for a New York Seed House, a bright, active young man, must be a practical seedsman, quick at counter work and good salesman. Apply, stating age, nationality, experience and salary expected, K. M., care Florists' Exchange.

WANTED at once, to take charge, an experienced all around grower, well up in palms, ferns, lilies and bulb stock. A good decorator and maker up preferred. State experience, reference and wages expected with or without board. The Meehan Floral Co., Harrisburg, Pa.

WANTED.

A first-class working foreman for large commercial place, capable to handle twenty-five houses. Must be good on roses, including American Beauties, carnations, violets and chrysanthemums. References will be required from last employer and must be of the best, as none but first-class man will give satisfaction. Married man preferred. Address

J. A., care Florists' Exchange.

WANTED.

A quick, active porter in a seed house to pack and ship, one with a system about him. K. A., care Florists' Exchange.

WANTED.

An experienced seedsman to take charge of vegetable seed department and wait on customers. J. W., care Florists' Exchange.

WANTED.

Three experienced men for grafting roses. Must come well recommended. Address, stating weekly salary expected.

E. G. ASMUS, West Hoboken, N. J.

WANTED.

Bright young man to work in cut flower packing room, must understand records and keep account of cut. Call in person at The COTTAGE GARDENS, Queens, N.Y.

Mention the Florists' Exchange when writing.

Hardiness of Deciduous Trees.—Minnesota Agricultural Experiment Station enumerates the following list of trees as having been found hardy at that station: White or soft maple (Acer dasycarpum); cut leaved maple (Acer dasycarpum var. Wierii); European birch (Betula alba); cut leaved birch (Betula alba var. laciniata); purple birch (Betula alba var. atropurpurea); canoe or paper birch (Betula papyracea); yellow birch (Betula lutea); American white birch (Betula populifolia); American hornbeam (Carpinus americana); hackberry or nettle tree (Celtis occidentalis); cockspur thorn or thorn apple (Crataegus crus-galli); white ash (Fraxinus americana); green ash (Fraxinus viridis); Kentucky coffee tree (Gymnocladus canadensis;) butternut (Juglans cinera); European larch (Larix europea); tamarack (Larix americana); box elder (Negundo aceroides); ironwood (Ostrya virginica); white or silver poplar (Populus alba); bolleana poplar (Populus alba var. nivea); Russian poplar (Populus Wobsky); Russian poplar (Populus certinencis); Russian poplar (Populus sibirica pyramidalis); Russian poplar (Populus betulifolia); Russian popular (Populus laurifolia); cottonwood (Populus monilifera); golden poplar (Populus monilifera var. Van Gerti); black cherry (Prunus serotina); chokecherry (Prunus virginica); bird cherry (Prunus pennsylvania); European or mountain ash (Pyrus aucupaira); native crab apple (Pyrus coronaria); weeping mountain ash (Pyrus aucuparia var. pendula); American mountain ash (Pyrus americana); burr oak (Quercus macrocarpa); white oak (Quercus alba); red oak (Quercus rubra); scarlet oak (Quercus coccinea); Russian willow (Salix cutifolia); laurel-leaved willow (Salix laurifolia); royal willow (Salix regalis) Russian golden (Salix aurea); Napoleon's willow (Salix Napoleonis); Wisconsin weeping willow (Salix); white willow (Salix alba); Spindle tree (Euonymus atropurpureus); hardy hydrangea (Hydrangea paniculata grandiflora); St. John's wort (Hypericum kalmianum); tartarian honeysuckle (Lonicera tartarica); tartarian honeysuckle (Lonicera tartarica var. splendens); syringa or mock orange (Philadelphus coronarius); syringa or mock orange (P. grandiflorus); syringa or mock orange (P. Gordonianus); nine bark (Physocarpus opulifolius); golden spiræa (Physocarpus opulifolius var. aurea); shrub cinquefoil (Potentilla fruticosa); common buckthorn (Rhamnus catharticus); common smooth leaved sumach (Rhus glabra); cut leaved sumach (Rhus glabra var. laciniata); yellow flowering currant (Ribes aureum); common elder (Sambucus canadensis;) red berried elder (S. racemosa;) cut leaved elder (S. nigra var. aurea); Buffalo berry (Shepherdia argenta); Van Houtte's spiræa (Spiræa Van Houttei), Spiræa obovata; Douglas spiræa (Spiræa Douglasi, Spiræa lanceolata); plum leaved spiræa (Spiræa prunifolia); ash leaved spiræa (Spiræa sorbifolia); snowberry (Symphoricarpus); common lilac (Syringa vulgaris); Persian Lilac (Syringa persica); Josika's lilac (Syringa Josikæa); high bush cranberry (Viburnum opuus); snow ball (V. opulus var. sterilis), Viburnum lentago, Viburnum dentatum; prickly ash (Zanthoxylum Am.); basswood or American linden (Tilia americana); American or white elm (Ulmus americana); red or slippery elm (Ulmus fulva); weeping slippery elm (Ulmus var. pendula); rock elm (Ulmus racemosa).

Also the following ornamental shrubs and vines: Common or European barberry (Barberis vulgaris); purple leaved barberry (Barberis vulgaris var.); Thunberg's barberry (B. Thunbergii); Siberian pear tree (Caragana arborescens); red-twigged dogwood (Cornus sanguinea), Cornus stolonifera; Virginia creeper (Ampelopsis quinquefolia); bitter sweet (Belastrus scandens); European sweet clematis (Clematis virginiana), Clematis viticella; honeysuckle (Lonicera Sullivani); moonseed (Mentispermum canadense); wild grape (Vitis riparia).

Western New York Horticultural Society.—The forty-fifth annual meeting of the western New York Horticultural Society will be held in the city hall, Rochester, N. Y., January 24 and 25. Contributions of new and rare fruits are solicited for exhibition, also new tools and implements and other articles used by horticulturists and tree growers. Competitors are asked to enter the contest for the cash prizes offered by George Ellwanger, and the medal given by the late Patrick Barry. Ladies and delegates from kindred organizations will be welcomed. On the certificate plan reduced railroad rates on all trunk lines, as far as West Virginia and Ohio, good on all roads in the East except in New England, can be had. Among the papers to be presented are: The Present Status of the Fruit Growing Interests of New York and its Relation to Land Values, George T. Powell, Ghent, N. Y.; The San José Scale, from a Horticultural Standpoint, S. A. Beach, New York Agricultural Experiment Station, Geneva, N. Y.; Comfort and Plenty, Prof. I. P. Roberts, director College of Agriculture, Cornell University, Ithaca, N. Y.; Some Thoughts on Strawberry Culture, L. J. Farmer, Pulaski, N. Y.; Soiling Crops as Related to Fruit Culture, Prof. H. E. Van Deman, Parksley, Va.; Experiments with Commercial Fertilizers, Dr. G. C. Caldwell, Cornell University, Ithaca, N. Y.; Some Insect Experiences of 1899 (with lantern slides), followed by slides showing the method of pear tree pruning adopted by a member of the society, Prof. M. V. Slingerland, Cornell University, Ithaca, N. Y.; The Commercial Fertilizer Situation, Prof. W. H. Jordan, director New York Agricultural Experiment Station, Geneva, N. Y.; The Fertilizing of Orchards, Prof. S. T. Maynard, Massachusetts Agricultural College, Amherst, Mass.; Shade Trees for Avenues and Streets, John Dunbar, superintendent of Highland Park, Rochester, N. Y.

WANTED.

At once an experienced man, single, that understands the growing of general greenhouse stock, including roses, palms and ferns; must have experience in making-up; one who is honest and willing to work; none need apply except those that can fill the position; wages $25 to $35 per month and board; state experience and reference.

J. H., care Florists' Exchange.

MISCELLANEOUS WANTS.

WANTED. A few more customers for No. 1 Carnations at wholesale; can furnish from two to three hundred twice a week; write for prices. E. B. Beals, Greenfield, Mass

WANT TO RENT

A range of glass about 20,000 to 30,000 feet, for growing roses and carnations. Houses must be in good condition. Give full particulars. K. G., care this paper.

BUSINESS OPPORTUNITIES.

FOR SALE, Well established small florist, doing good cash business; first-class location; moderate rent. K. K., care Florists' Exchange.

FOR SALE or rent. A five-room dwelling, barn, small patch of ground, and greenhouse, 20x70, partly planted in lettuce and radishes. Florist, Box 761 Muncie Ind.

TO LET. Four acres, house, barn, etc.; soil particularly adapted for growing violets; fine plants can now be seen under cultivation; plants and frames can be bought. Address Box 45, Larchmont, N. Y.

FOR SALE cheap. Two greenhouses, 20 x 100 each, well stocked, steam heat, houses 3 years old and all right; 3 acres market gardens; no opposition; good chance for right man. Write for particulars to H. F. Serrell, Oxford, Mich.

FOR LEASE, $10.00 per month, near Balto, Md., 6 greenhouses, land for stock, steam, cheap coal, steam pump, well stocked; telephone connects Balto; suitable for wholesale carnations or roses. Address H. S. Rowe, Westminster Md.

AMATEUR or professional. Well built 20 ft. double greenhouse, 100 ft. violet house, propagating house and work room; 14-room modern house, barn, garden and orchard, all in running order; six acres, high ground, exposure and soil exceptionally favorable; within 45 minutes of New York. For sale on easy terms. Room 144, 39 Cortlandt St., New York.

FOR SALE. 400 Geraniums, stock plants, full of cutting, best and latest varieties; 200 Primroses and Cinerarias in bloom, 25 varieties; finest Coleus stock plants; 500 Carnations in 5 in. pots; Palms, Ferns, Canna Bulbs, Easter Lilies. Glass, rafters, pipe coils, pots and a Gorton boiler used two winters. The above will be sold cheap. Ed. B. Weber, 400 North 9th street, Reading, Pa.

FOR SALE.

A Greenhouse Plant of 36,000 square feet, situated between two flourishing cities of 37,000 and 166,000 population, respectively. Four lines of electric cars pass the door. Houses are equipped with Herendeen Boilers and have every modern appliance, all stocked with roses, carnations, ferns and all plants pertaining to this business. Will be sold at a great sacrifice, as owner has outside business interests and cannot give Greenhouses personal attention. Address J. V., care Florists' Exchange.

Mention the Florists' Exchange when writing.



New Seedlings at Chicago.

On Friday, January 5, a batch of 14 seedlings was sent up to H. N. Higginbotham, Esq., Chicago, by James Hartshorne, from the greenhouses of the Chicago Carnation Co., at Joliet, Ill., and were christened by the receiver with the following distinguished names: Mrs. John J. Mitchell, a large deep scarlet; Miss Florence Higginbotham, a light pink; Miss Alice Higginbotham, a pure white; Mrs. Potter Palmer, a deep pink; Miss Hortense Miller, a light pink; Mrs. H. N. Higginbotham, an unusually light pink; Byron L. Smith, a variegated; Chicot, white, red tint; R. T. Crane, Jr., variegated pink and white; Halowhaarden, a deep scarlet; Mrs. John J. Shed, a deep red; Nydia, variegated pink and white, and Mrs. J. K. Robinson, a light pink. Ess.

Some Fine Blooms.

Some of the finest carnations seen in Washington for some time come from the greenhouses of A. B. Davis & Son, of Purcellville, Va. The blooms are phenomenal in size. The climatic conditions and soil in that part of the country are said to resemble the conditions prevailing in the carnation belt of Pennsylvania. Be that as it may, the plants which I saw recently did not show a trace of disease of any kind. Gold Nugget looks as if there were a gold mine in it as a yellow. Daybreak is in fine trim, so is Flora Hill, about which complaints have recently been chronicled. There are three houses, each 125x25 feet, devoted to these and other kinds; and it is contemplated to build another this season, 300x50 feet.

G. W. O.

To Prevent Bursting.

In spite of contrary statements, often seen in these columns, it seems that some carnations will burst, no matter what the culture. Your contributors have advised tying the calyx and wrapping with rubber bands, both very unsatisfactory methods. The plan I have used for the past two years may be of use to some one. I take sheet copper of a thickness of about one-fiftieth of an inch. From this I cut strips about one-quarter of an inch wide and two inches long, more or less. These strips I bend into rings, which are slipped over the carnation buds when they are nearly full grown. If the bud be a little smaller than the ring a slight squeeze makes the ends of the ring overlap so that it fits. The soft copper has strength enough to prevent the bursting of the calyx, though it does not prevent the swelling of the bud. When the corolla is fully protruded the calyx is no longer distended, and the ring usually slides down the stem to the first leaves. It is then bent open, removed, bent into ring form again and put on another bud, all with the fingers. I can make about 200 of these rings in an hour from the sheet.

GEO. A. BATES.

Highwood, N. J.

Originator of Carnation No. 666.

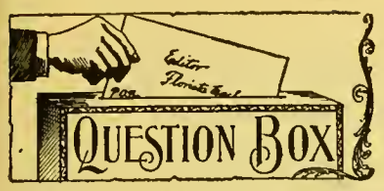
Editor Florists' Exchange.

In justice to the originator, we would state that carnation No. 666 was originated by F. W. Miles, of Plainfield, N. J., to whom great credit is due. We have purchased the entire stock and are sole owners. While the above information was known by most of the craft, this statement will enlighten the balance.

DAILLEDOUZE BROS.

Flatbush, N. Y.

The Indiana Horticultural Society has elected the following officers: President, C. M. Hobbs, Bridgeport; secretary, Prof. J. Troop, Lafayette, Ind.; treasurer, Sylvester Johnson, Irvington.



(3) **Ferns for Name.**—Pteris serrulata and Pteris serrulata-cristata.

(4) **Time to Sow Fern Spores.**—Fern spores should not be kept too long after they are ripe; the sooner they are sown the better, after being gathered and kept in a paper bag for a few days. Pure leaf soil is the best to sow fern seed in.

(5) **Roses in Bride and Bridesmaid Temperature.**—For commercial purposes such varieties as undernoted may be safely relied upon: Perle des Jardins, Bon Silene, Kaiserin Augusta Victoria, Golden Gate, Liberty, Niphetos, Mme. Cusin, Mrs. J. Pierpont Morgan and Mme. Hoste.

(6) **A House for Roses and Carnations.**—In building a house that can be utilized either for roses or carnations, put in sufficient piping to meet the requirements of the roses, and place valves on some of the lines of pipe; so that while the house is used for carnations these may be shut off entirely. If the pipes are thus arranged no trouble will be found in changing from one crop to another.

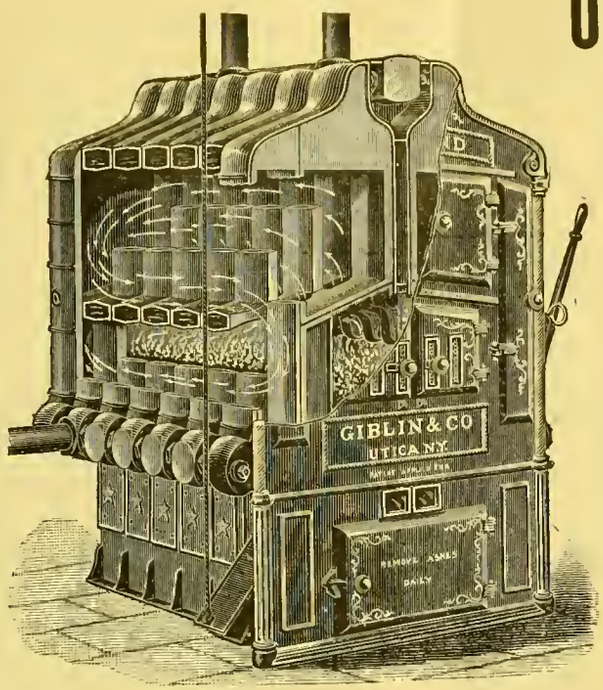
(7) **Ferns Turning Brown.**—The cause of the Polypodium aureum turning brown is that the plant has been watered too much. A little care in this particular will soon result in perfect fronds. During the Winter the plants should be kept quite on the dry side, watering only when really necessary. The temperature (55 to 60 degrees) and the compost (leaf mold, sod and sand) are all right, but the ferns will not bear much water when not making their growth.

As the fronds of the maidenhair fern are full of spores, we presume the plants are grown as specimens and not for cutting purposes. Remove the fronds as they become unsightly, and dry the roots down gradually. In a short time new growth will start and the plants should then be repotted, and the supply of water increased.

(8) **Making a Coil Boiler.**—Kindly tell me the best way to make and set a coil boiler of sufficient capacity to heat a house 20x100 feet. How should the flows be run and of what size; also the size of the returns to heat the house to 60 degrees in zero weather. The house runs east and west; short slope to the south; no glass in the sides, only on one end. Walls 4 to 6 inches high of brick.—SUNSCRIBER.

—While the cost of a coil boiler, especially if the florist can do most of the work himself, is less than that of a cast-iron or tubular boiler, it is not always cheapest in the end, as, unless properly made, it is likely to leak and is certainly much less durable, especially when the threads are exposed. A boiler for a house 100x20 feet should have about 6 square feet of grate surface and 150 feet of fire surface. If made of 2-inch pipe, cut to lengths of 6 feet, it will require 36 pieces, which can be arranged in six coils of six pipes each. The main headers should be with 3-inch openings and the pipes may be connected by means of return bends, or 2½-inch headers. The boiler should be bricked in the same as a steam boiler, and, in addition to doors to the fire pot and ash pit, there should be others that will permit the cleaning of the tubes. A 3-inch flow pipe should be placed upon the ridge posts and another upon the row of purlin posts. Twelve 2-inch return pipes will be required, four of which may be on the south wall, and the others upon the north wall and beneath the benches.—L. R. TAFT.

UP-TO-DATE FLORISTS



know that more is gained by preventing the increase of the out-go than by increasing the income. Wasteful methods of doing business will destroy all

PROFIT

and prevent the commercial florist keeping up to the times and to his competitors. The expense for heating is a large one, and where a florist secures proper heat; economizes labor; economizes fuel and has no repairs, he is in a much better position to meet the demand of the times for popular prices from florists.

Some boilers have the sole merit of being **cheap** and

CAN BE

bought at a low price. One winter's use shows that while the price is low for the boiler it is high for scrap iron, which is about all such boilers are good for.

Our boilers are

DISTINGUISHED

for their success, and we have had no failures. Every florist who has used our boilers finds all anxiety about heating entirely removed. We have sizes in steam and hot water for any demand and can name a price delivered at any station in the United States, and a special price is given where we have no boilers in use.

Send for our GREENHOUSE CATALOGUE. **GIBLIN & CO., Utica, N.Y.**

Mention the Florists' Exchange when writing

ALTERNANTHERA Red and Yellow, $4.00 per 1000, **Primroses** all colors, 2½ in., 75c. per dozen. **Lantana Borbonica** 2½ in., $4.00 per 100.

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Wholesale Florist. **Quakertown Pa.**
Mention the Florists' Exchange when writing.

20,000 CANNAS in following varieties: Italia, Austria, F. Vaughan, Chas. Henderson, Queen Charlotte and Mme. Crozy.
300 GREVILLEA ROBUSTA, 18-24 in. high.
500 CINERARIA Hybrida Grandiflora Nana, in 2, 3 and 4 in. pots.
Will EXCHANGE for Kentias, Arecas, Pandanus Utilis and Roses.
GEORGE JUST, Jacksonville, Fla.

GRALLERT & CO.
Carnation Growers,
Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.
COLMA, San Mateo Co., CAL.

ROOTED CUTTINGS
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Both new and old varieties at lowest prices for good stock. Special rates on orders booked for future delivery. Satisfaction or money refunded.
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CARNATION SEEDS
Specialists in pedigree seeds for winter blooming. Contracts Solicited.
AMERICAN ROSE CO., Washington, D.C.

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FRESH CUT FLOWERS
Direct from grower. Orders filled on short notice. Long Distance Telephone.
Princess of Wales Violet Plants,
from 2½ in. pots, $2.00 per 100.
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Mention the Florists' Exchange when writing.

CARNATION CUTTINGS READY NOW. Well rooted and healthy. Morrowall, 75c. per 100, $5.50 per 1000; Scott, Rose Queen, 75c. per 100, $7.00 per 1000; Flora Hill, $1 per 100, $9.00 per 1000; Jubilee, $1.25 per 100, $10.00 per 1000.
Cineraria, strong, 2½ in., $1.50 per 100.
Primroses, 3 in., $5.50 per 100
Ageratum, Princess Pauline, R. C., 60c. per 100.
Cannas, best named varieties, strong, 1 to 3 eyes, $2.00 per 100; mixed, $1.50 per 100.
Primula Obconica, bud and bloom, 2½, $1.50 a 100.
RICHARD INSALL, West Moorestown, N.J.
Lock Box 514. Near Philadelphia.
Mention the Florists' Exchange when writing.



8,000,000 Hardy Cut Ferns
at 75c. per 1000
from now until March 15.
My contract in Chicago has been broken through a poor paymaster.
Bouquet Green, 2½c a lb
Sphagnum Moss, 50c. a bbl.
All orders by mail or dispatch promptly attended to.
THOMAS COLLINS,
Hinsdale, Mass.
Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS—Stock Plants.
Yellow Queen, Helen Bloodgood, Jerome Jones, White Ivory, Golden Wedding, Mrs. Robinson, Bonnaffon, Geo. Kalb, Merry Monarch, Lager. 12, 50c.; 100 $4.00.
Vinca Var., field clumps, $4.00; R. C., $1.00.
Hydrangea Otaksa, 2½ ft., $3.00.
Rex Begonia, fine mixed, 3 in., $4.00; R. C., $1.50.
Ageratum, blue, dwarf or tall, 2 in., $2.00 per 100. Cash.
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PELARGONIUMS
Mrs. Robt. Sandiford, Mme. Thibaut, and Mme. Vibert.
2½ inch pots, strong plants.....$6.00 per 100
4 inch pots, very strong plants, 15.00 per 100
TERMS CASH.
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LAST CALL!
PELARGONIUMS from 2½ in. pots, strong plants, at $3.00 per 100. Or will EXCHANGE for **Alternantheras, Crotons** or **Mrs. E. G. Hill Geraniums.**
GEO. W. FETZER, Allentown, Pa.
Mention the Florists' Exchange when writing.

HARDY PINKS
Rooted Cuttings Now Ready. 8 Sorts as follows:
HER MAJESTY—Giant white.
ALBA FIMBRIATA—White, fringed.
BRUNETTE—Pink, with maroon markings.
EARL OF CARLISLE—Variegated, maroon, rose and white
JULIETTE—Cherry-red, variegated pink and white.
GERTRUDE—White, maroon markings
LAURA WILMER—Pink with darker shadings, fringed.
MAY—Beautiful flesh pink, very fragrant
$1.00 per 100 postpaid; $8 per 1000, by express.
SALVIA SPLENDENS COMPACTA—$1.00 per 100; $8.00 per 1000.
LADY HUME CAMPBELL VIOLET, CLEAN. NO DISEASE; Rooted cuttings from sand, 60c. per 100; $5.00 per 1000.
MADEIRA VINE ROOTS—75c. per 100 by mail; $4.00 per 1000 by express.
SATISFACTION GUARANTEED.
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DOUBLE PETUNIAS. OVER 75 VARS., NAMED.
I have the finest and largest collection in the country, an immense stock, and can fill all orders without delay.
Rooted Cuttings, by mail, $1.25 per 100.
Grandiflora, single, 10 vars., $1.25 per 100.
"I saw the bloom of Mr. Hughes' petunias, both double and single, and they are very fine."
HENRY F. MICHELL.

Ivy Geranium,	12 vars.	$1.50 per 100
Heliotrope,	16 vars.	1.00 "
Ageratum,	Princess Pauline	1.00 "
Gazania,	splendens	1.50 "
Cuphea,	Segar Plant	.75 "
Ageratum,	White and Blue	.75 "
Abutilon,	4 vars., R. C.	1.50 "
Swainsona	Galegifolia Alba, R. C.	1.50 "

Cash with order, please.
GEORGE J. HUGHES, Berlin, N. J.
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GREEN GOODS. *WRITE, TELEGRAPH OR TELEPHONE.*
Galax Leaves, Brilliant Bronze, $1.00 per 1000, and Brilliant Green, $1.00 per 1000.
Leucothoe Sprays.....$1.00 per 100
Needle Pines.....$1.50 to $2.50 per 12
Wild Smilax, "Hand Picked" Brand, 50 lb. case, $6.50; 35 lb. case, $4.50.
Fancy Fern, Dagger Fern, etc., etc., and all kinds of "Green Goods." Prices on application.
HARRY A. BUNYARD, 42 W. 28th St., N. Y. City. TELEPHONE 2065 MADISON SQ.
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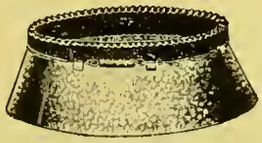

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EXPANSIVE TREE PROTECTOR CO
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ONLY A FEW WEEKS MORE

Till planting season; and now is the time to secure your stock, if not already engaged. The supply of Holland Roses will not be very abundant, owing to unfavorable climatic conditions du ing the past summer and fall. Subject to being unsold I offer at the Nurseries of the Boskoop, Holland, Nursery Association, at Boskoop:

2-YEAR LOW-BUDDED H. P. ROSES,

in following and other good varieties, in lots of 1000 or over.

ROSES AT FIVE DOLLARS PER HUNDRED. ROSES

Abel Carriere,	General Jacqueminot,	Margaret Dickson,
Alfred Colomb,	General Washington,	Marie Bauman,
Anna de Diesbach,	Glorie de Margottin,	Marshall P. Wilder,
Archduchess of Austria,	John Hopper,	Mons. Boncenne,
Baron de Bonstettin,	La France,	Pæonia,
Baroness Rothschild,	Louise Odier,	Perle des Blanches,
Charles Lamb,	Louis Van Houtte,	Paul Neyron,
Comtesse de Schulenberg,	Marie Boissee,	Pius IX,
Duke of Edinburg,	Magna Charta,	Prince Camille de Rohan,
Duke of Teck,	Madame Gabriel Luizet,	Ulrich Brunner,
Fisher Holmes,	Mad. Chas. Wood,	and other good sorts.
Giant of the Battles,	Miss Annie Wood,	
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Prices of the above, F. O. B. New York.....per 100. in 10 sorts, $10.00.
" " " " ...per 1000, in 10-20 varieties, $80.00.

A limited quantity HERMOSA ROSES at $12.00 per 100.
Extra Strong CRIMSON RAMBLERS, $15.00 per 100.
STANDARD ROSES in fine sorts, per 100, $25 00; per 1000, $200.00.

Rhododendrons, Azaleas, Clematis, Snowballs, Hydrangeas, Etc.

The Plants from the BOSKOOP NURSERY ASSOCIATION having been Purchased in This Country During the Last 20 Years, Do Not Require to be Recommended.

DO NOT DELAY SEND YOUR ORDERS NOT LATER THAN FEB. 10.

C. H. JOOSTEN, Importer, 85 Dey St., New York

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ROSES=For Spring Blooming.

The proper sorts, Clothilde Soupert, Gen'l Jacqueminot, Coq. des Alps, La France, Coq. des Blanches, etc., fine 1 and 2 year field-grown plants, suitable for 5 in. pot, 5c.

CLEMATIS Virginiana, finest American Climber, sweet-scented small white flower, 2 year, strong, 3 cts. Large-flowered Clematis, for forcing, purple and white, fine plants, from 5 in. pots, at 18c.; 2 year, field-grown plants, 18c.; 1 year, field-grown, fine plants, at 12c. Packing free.

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ROSE LIBERTY

Has made it necessary for us to announce all stock for March delivery has been sold and orders hereafter will be taken and filled in their order of receipt, until further notice. To be sure of any of this stock for April and May delivery it will be necessary to order early. One quarter of the stock is controlled by us and no one has authority to sell in the New England States except by our permission.

Prices are as follows: Best stock grown.

Own rooted Plants, 2½ in. pots.

12	plants	60 cts. each.
25	"	50 "
50	"	30 "
100	"	25 "
1000	"	20 "

Grafted Plants, 2½ in. pots.

12	plants	75 cts. each.
25	"	60 "
50	"	50 "
100	"	40 "
1000	"	35 "

EDMUND M. WOOD & CO., Natick, Mass.
Near BOSTON.

Mention the Florists' Exchange when writing.

IF YOU NEED ROSES
Send us your list for prices.

THE C. A. REESER CO.
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Give Us Liberty

This will be the cry when the plants are all sold. . . .

ORDER AT ONCE. . . .

ROBT. SCOTT & SON,
Sharon Hill, Del. Co., Pa.

Mention the Florists' Exchange when writing.

ROSE BUSHES

Field-grown. Own root.
Tender and hardy sorts.

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Send us your list of wants for pricing.

The Howland Nursery Co, Los Angeles, Cal.

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ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS..
and Novelties in Decorative Plants,
Market and 49th Sts., PHILADELPHIA, PA.

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NOTES BY THE WAY.

RICHMOND, VA.—W. A. Hammond added four houses, each 22x200 feet, during the Summer, and with this addition finds the supply unequal to the demand, particularly in carnations, of which Scott and Flora Hill have been the most profitable. Four hundred and sixty dozens were disposed of at retail during the holidays. Beauty sold well; the supply is kept up the whole year round. Kaiserin and Testout are grown for Summer use. Perle will be discarded after this season, Golden Gate being more popular and as easily grown. It is a profitable rose. I noted a fine bed of mignonette growing in a back bed of the house, upon the ground, and was told this method is most successful here. The propagating house is a model and is part of the new range built—15 feet at back, 12 feet at front. The benches are heated by a course of 2-inch pipe, upon which is placed wire of half-inch mesh. Upon this is placed a layer of ashes topped with sand and is found to answer admirably. Mr. Hammond is of the opinion that with the temperature ranging 3 below zero, causing a consumption of 12 tons of coal nightly for several nights, he should be included in the Northern belt.

Mann & Brown report very satisfactory business. They also have added to their plant four houses, each 200 feet, and intend building two more this Spring, chiefly for Beauty, which they grow successfully and for which there is a profitable demand.

Harry Harvey is well pleased with holiday business, especially in the sale of potted plants.

WILMINGTON, N. C.—Mrs. Henry Rehder reports an unusual demand for southern smilax; the shipments have been much heavier this season. After being actively engaged in the business here for 23 years, assisted by her husband and son, Mrs. Rehder contemplates making some changes. A new plant may be the outcome.

Miss Fanny Johnson is happy, as a result of the season's business; one of her best hits was the decoration of and sale at the Masonic Fair held recently.

CHARLESTON, S. C.—W. McIntosh & Son report a good demand for both cut flowers and plants during the holidays. The seed branch is in a very healthy condition. The islanders had a prosperous season and are planting more extensively in anticipation of a favorable harvest.

SAVANNAH, GA.—All report a good season. A. C. Oelschig says he has not had time to total up the profits, having been busy ever since the holidays with funeral work. At time of my visit he and his staff were working at an all-night order.

Geo. H. Wagner had a good sale of Adiantum rhodophyllum potted up. He grows this plant upon the solid beds among the roses, of which La France is the best and most profitable.

Gus Keitling has retired from business.

John Wolf had a big run on carnations. He stands by Albertini and Flora Hill, and intends adding another house for their culture.

While hardly in the line of floriculture, I would like to mention the great success achieved by Hop Lima Bean, a Chinese trucker, who commenced here two years since, and has a model truck farm—the cleanest and most prosperous appearing I have seen. W. M.

EXTRA VALUE! LAST CHANCE! H. P. Roses, mixed, 2 year, 60c. and 75c. a doz. Ramblers and Named H. P. XX, strong, $1.25 a doz. Hardy 'Mums, pink and white, large flowering stock plants, 45c. a doz. Dahlias, Agnew, Bruton, Nymphea, 75c. a doz; Snowclad, 50c. a doz. Cash, please.

W. D. BUSSING, Westfield, N. J.

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D. & C. ROSES

are the cheapest because they are the best. We have in stock over 1000 varieties on own roots, including nearly 200 New Roses not offered elsewhere, as well as all the old favorites, at prices that make it worth your while to send us your list for quotations before buying elsewhere. All sizes from 2½ in. pots up.

Send for a copy of our New Guide to Rose Culture for 1900, a handsome book of 134 pages, illustrated with hundreds of half-tones and numerous colored plates. It is really a work of art and free for the asking.

THE DINGEE & CONARD CO., Rose Growers, West Grove, Pa.

Mention the Florists' Exchange when writing.

Poughkeepsie, N. Y.

The fifth annual meeting of the Dutchess County Horticultural Society was held January 3. The reports of the secretary and treasurer were read and accepted.

The secretary's report showed that the society had now 107 members in good standing, an increase of three for the year. There have been four resignations —14 names were dropped from the roll, and 13 new members have been elected; one member, Michael J. Moore, has passed from his earthly labors. The treasurer's report showed that the society's income had been sufficient to meet all expenses.

The motions to alter the time of meeting to 7 p. m., instead of 1:30 p. m., and to change the meetings to quarterly instead of monthly, were laid upon the table until the next regular meeting.

The annual dinner will be held February 7. Messrs. Clarence Reynolds, Richard Connell, Wm. Schickle and W. G. Gomersall were appointed a committee to arrange for same. It was resolved that two delegates be invited to the dinner from the Tarrytown Horticultural Society, two from the New York Gardeners' Society and two from the New York Florists' Club.

A letter was read from Messrs. F. R. Pierson Co., in answer to a request for a premium offering $25 for 12 blooms of Col. D. Appleton chrysanthemum.

The following gentlemen were nominated for the respective offices for the ensuing year:

President, F. R. Newbold, renominated; James Blair renominated for vice-president, W. G. Gomersall for secretary, and Charles Mitchell for treasurer. They will be elected at the next meeting. Thomas Emerson was named as member of the employment bureau. W. G. G.

St. Louis.

Market Notes.

A week of open, mostly drizzling and cloudy weather, has had a depressing effect on business. Most all complain of slow trade; some of the wholesale men say they can sell out tolerably close, but in other cases stock seems to pile up. Certain it is, prices are terribly low for this time of year—we think about one-half of what they were a year ago. They are about as follows: Roses, 2c. to 6c.; Beauty, $2 to $4 per dozen; carnations, 1c. to 3c., with occasionally 4c. to 5c. for extra fancy stock; violets (California), $1 per 100, the latter are much more plentiful; callas and Harrisii bring 10c. to 12½c.; bulb stock has no price. There is plenty of everything to go around.

Round About.

Mrs. Vesey, of Fort Wayne, Ind., spent several days in town last week. A. Ringier, of Barnard & Co., Chicago, made a flying visit, and departed South this week. Richard Frow, the well-known florist, met with a painful accident by being run into by a street car. His head was badly but not seriously hurt, and his buggy broken.

C. Young & Sons Co.'s delivery wagon was also run into by a car, and the driver injured.

Julius Koenig, North Broadway, reports his stock in first-class shape for Spring. He grows principally bedding stock, which finds ready sale in the near-by cemeteries.

Theo. Klockemkenper's greenhouse stock looks remarkably well, especially his carnations. White Cloud, so far, has been the leading kind for general results. C. C. S.

Chestnut Hill, Pa.—At the regular monthly meeting of the Chestnut Hill Horticultural Society, January 9, the following officers were elected for the year: President, John T. Morris; vice-presidents, J. Howes Humphreys, Fred. J. Michell, Alex. Stewart, and Frank Gould; secretary, Robert C. Carey; treasurer, Wm. H. Houston. It is the intention of the society to hold regular monthly exhibitions of flowers, fruit, and vegetables, etc., and a chrysanthemum show during the Fall. A printed schedule will be out within the next two weeks. —J. H. H.

LIBERTY! LIBERTY!

Being all sold out of grafted plants of Liberty rose, I hereby announce that after January 8, 1900, no more orders for grafted plants can be taken for this year's delivery. Only a limited supply of our own rooted plants left to sell. Order quickly if you want any for this season. Price for own rooted plants, out of 2½ in. pots, for April delivery, as follows:

12 plants	60 cts. each.
25 plants	50 cts. each.
50 plants	40 cts. each.
100 plants	25 cts. each.
1000 plants	20 cts. each.

ERNST G. ASMUS West Hoboken, N. J. AGENTS: J. C. VAUGHAN, Chicago, Ill. J. N. MAY, Summit, N. J. F. R. PIERSON CO., Tarrytown, N. Y.



100,000
Rooted Cuttings
CARNATIONS
Now Ready to Ship.

Early orders get the best rooted stock.

	Per 100
MRS. THOS. W. LAWSON, pink	$14.00
ETHEL CROCKER, pink	10.00
THE MARQUIS, pink	10.00
GENEVIEVE LORD, pink	10.00
OLYMPIA, variegated	10.00
G. H. CRANE, scarlet	4.50
AMERICA, scarlet	4.00
MELBA, light pink	3.50
MRS. C. BRADT, variegated	3.00
GLACIER, white, fine	4.00
MAUD ADAMS	3.50
GOMEZ, dark red	4.00
MRS. F. JOOST, pink	2.50
GOLD NUGGET, yellow	3.00
ARGYLE, fine pink	1.25
TRIUMPH, fine pink	1.50
DAYBREAK, shell pink	1.00
EMPRESS, dark red	1.00
FLORA HILL, white	1.50
WHITE CLOUD	2.50
MARY WOOD, fine white	3.00
JUBILEE, scarlet	1.50
PSYCHE, variegated	1.50
MORELLO, scarlet	1.50
WM. SCOTT, pink	1.00
LIZZIE McGOWAN	1.00

No orders shipped to Canada for less than $10, cash.

5 Cuttings at 100 rates.

THE MORRIS FLORAL CO., Morris, Ill.

Mention the Florists' Exchange when writing

CARNATION CUTTINGS

Now ready of all the leading varieties.
All stock guaranteed A1.
If not satisfactory, money refunded.

CHICAGO CARNATION CO.,

Greenhouses and Address, **JOLIET, ILLS.**

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CARNATION CUTTINGS.

We are booking orders for Lawson, Olympia, Marquis, Ethel Crocker and Genevieve Lord at introducers prices. List of standard varieties ready now. Send at once for an estimate on your order.

WM. MURPHY,
Sta. F., Cincinnati, Ohio.

Mention the Florists' Exchange when writing

Rooted Cuttings of New and Standard

CARNATIONS.

SEND FOR PRICE LIST.

WM. SWAYNE, Kennett Square, Penn.

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CARNATIONS

F. DORNER & SONS CO.,
LA FAYETTE, IND.

Mention the Florists' Exchange when writing

CARNATION CUTTINGS

Ready to ship now, guaranteed well rooted or money refunded. "Old Chestnut," but we say express man must allow purchaser to examine cuttings before accepting and if not satisfactory take the same back.

	Per 100	Per 1000
White Cloud, Mrs. Joost	$2 50	$20 00
Melba	4 00	30 00
Mrs. Bradt	3 00	25 00
Victor	2 50	20 00
Mayor Pingree	1 00	7 50
Daybreak	1 25	10 00
Scott		7 00

Cash with order.

CARL E. TAUBE. Trenton, N. J.
MERCER FLORAL CO.

Mention the Florists' Exchange when writing

CARNATION CUTTINGS

	Per 100	Per 1000
MRS. LAWSON	$14.00	$120.00
G. H. CRANE	5.00	
AMERICA	5 00	40.00
MELBA	4.00	30.00
LESLIE PAUL	4.00	30.00
GOV. GRIGGS	4.00	30 00
MRS. BRADT	3.00	25.00
FRANCES JOOST	2.50	20.00
EVANSTON	2.50	20.00
JUBILEE	2.50	20.00
VICTOR	2.50	20.00
WHITE CLOUD	2.50	20.00

	Per 100	Per 1000
FLORA HILL	$2.00	$15.00
GOLD NUGGET	2.00	15.00
TRIUMPH	2.00	15.00
DAYBREAK	1.25	10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
LIZZIE McGOWAN	1.00	7.50
EVELINA	1.00	7.50
MAYOR PINGREE	1.00	7.50
WM. SCOTT	1.00	7.50
NIVEA	1.00	7.50
MORELLO	1.00	7.50

All plants and cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded.

Peter Reinberg, 51 WABASH AVE., Chicago.

Mention the Florists' Exchange when writing.

Ethel Crocker

Absolutely the best Pink CARNATION ever offered the Trade.

A fact fully borne out by its record, being equally good with Craig, Hill, and myself. (An assurance that it is not a success in one soil and a failure in another.) By its having been shown at the Flower Shows and Clubs since early in September. (An assurance that it is not a good late carnation, but an all season variety.)

In color, size, fragrance and stem it is just what the "storemen" want.

In habit, constitution and freedom of bloom, it is just what the grower wants. It produces more flowers to the square foot than any other known variety, and is never out of crop from September to July.

With 18,000 stock plants to work from there is no danger of it being over-propagated, and all orders intrusted to me will be filled with cuttings selected from the plants and the order filled by myself, thus doubly assuring good stock.

Honest sample blooms furnished, prepaid, at $1.00 per dozen. Amount deducted from all orders for 100 or over. Up to date, every sample excepting one out of several hundred sent, has brought an order.

PRICE—Per 100, $10.00; per 25, $2.50; per 1000, $75.00; per 250, $18.75.

☞**PRICE LIST FOR STANDARD VARIETIES READY NOW.**

HERR'S PANSIES—Good little plants at 75 cts. per 100; $4.00 per 1000.

ALBERT M. HERR, - - Lancaster, Pa.

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000
Mrs. Lawson	$14 00	$120 00
W. H. Crane	5 00	40 00
America	5 00	40 00
Mrs. Bradt	3 00	25 00
White Cloud	2 50	20 00
Frances Joost	2 50	20 00
Triumph	2 50	20 00
Evanston	2 50	20 00
Jubilee	2 00	15 00
Gold Nugget	2 00	15 00
Mrs. McBurney	2 00	15 00

	Per 100	Per 1000
Flora Hill	$1 25	$10 00
Dayhreak	1 25	10 00
Argyle	1 25	10 00
Armaziudy	1 25	10 00
Lizzie McGowan	1 00	7 50
Evelena	1 00	7 50
Mayor Pingree	1 00	7 50
Painted Lady	1 00	7 50
W. Scott	1 00	7 50
Tidal Wave	1 00	7 50
Morella	1 00	7 50

ROSES.

	Per 100	Per 1000
American Beauty	$3 00	$25 00
Kaiserin	2 00	17 50
La France	2 00	17 50
Perle	1 50	12 50

	Per 100	Per 1000
Meteor	$1 50	$12 50
Bride	1 50	12 50
Bridesmaid	1 50	12 50

Stock to be first class and to be sold under the conditions that they shall be returned immediately if not satisfactory. Address

GEORGE REINBERG,
51 Wabash Avenue, CHICAGO, ILL.

Mention this paper.

ROOTED CARNATION CUTTINGS

Ethel Crocker	**America**	**Nivea**	**Daybreak**
Olympia	**Crane**	**John Young**	**Victor**
Marquis	**Jubilee**	**McGowan**	**Scott**
Lawson	**White Cloud**	**Argyle**	**Bradt**
Genevieve Lord	**Flora Hill**	**Joost**	**Armazindy**

GRAFTED ROSES.

New Yellow Fitzwygram "Mum."

SPECIAL PRICES ON 10,000 AND UPWARD. PRICE LIST NOW READY.

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A GRAND RECORD

Genevieve Lord

STANDS at the head of the list of light pink carnations. It is undefeated in its class. A commercial triumph, combining fine exhibition qualities. With its grand length and stiffness of stem, beautiful large flowers, grand color, general good habit, productiveness, etc., it cannot fail to win for itself a place in the front rank of the greatest money makers of to-day.

We will not over-propagate it; as soon as limit of healthy production is reached, our order book will be closed. Book is now open. All orders filled in rotation; bear in mind the importance of this fact. Send for complete description.

Price, $75 per 1000; $10 per 100; $2 per dozen.

DELIVERY FEBRUARY 15.

We can also furnish first delivery, the following varieties, at introducers' prices: **Olympia, Mrs. Thos. W. Lawson, The Marquis** and **Ethel Crocker.**

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO., LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

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The names of the prize winners in the recent competition of the FLORISTS' EXCHANGE will be announced in next week's paper.

The census schedules relating to the floricultural interests of the country have been prepared, and will be issued to all concerned in the near future.

In next week's issue we will publish a very interesting communication from C. W. Ward, on the subject, "A Living Profit and a Living Wage," appearing in last number of the FLORISTS' EXCHANGE. Opinions on this matter from other growers are respectfully solicited.

Flower Shows Again.

We have often suggested the value of flower shows for educational purposes, and if it were possible to measure the results we should undoubtedly recognize the truth of the suggestion. It is a pity, however, that the managers of these annual exhibitions appear to see only trade benefits to be derived, and consequently, in their efforts for success, ignore the more important considerations involved; considerations, indeed, that are likely to have more effect on the permanence of their endeavor than the immediate trade benefits to be achieved. The love of flowers in the general public mind is a far more potent factor in the increase of flower cultivation than the caprices of fashion, to which the promoters of flower shows more particularly bend themselves, for in the endeavor to make a financial success, the prices of admission are generally prohibitory to a large attendance and seem chiefly to aim for the presence of the wealthy classes only. This is a very narrow view of the question, not becoming to the men trading in nature's choicest products. A thousand admissions at ten cents would unquestionably offer better prospects for the trade than one hundred at one dollar, and there should now be more patriotism among the promoters of flower shows looking to combining the welfare of the trade with the welfare and the enlightenment of the people. The time is here when we should expect as much philanthropy in the pursuit of business as we expect from those who have acquired wealth; when the almighty dollar should not be the only thought we have in every public effort that is made.—*Park and Cemetery.*

Our esteemed coatemporary's opinion of the flower-show matter accords in part with our own. It is a fact much to be regretted, however, that so far as the trade is concerned it has found, or evidently believes it has discovered, that the part of an educator for the general public is unprofitable, and the florist is unwilling to pursue further a losing venture. And yet, putting ourselves in his place, for this he can hardly be blamed. The florists' trade, as a rule, is not yet in a position where sentimentality can wholly govern any one of its transactions, and when we take into consideration the immense sacrifice of time and money—the latter represented in products displayed and ultimately rendered valueless—necessary for the proper conduct of a flower show, and with little or no direct compensation therefor, no great astonishment need arise at the florist demurring to a continuance of these conditions. It may be, however, that the price of admission has been held too high, for the best welfare both of the trade and the exhibition, although where small sums have been charged the attendances have not increased proportionately. Flower shows, as at present conducted, would seem to have their quota of patrons which the price of admission does not influence one way or another, and, as direct money-making ventures they are, and are likely to continue to be, failures.

Their greatest and most lasting benefit arises from the educational and refining purposes they serve, and on that account alone their continuance is desirable. But it appears somewhat hard that the florist should be called upon to bear the whole burden which the act of educating imposes. It occurs to us, in view of the influence that could be and is exerted by flower shows on the public at large, that they are institutions deserving of both State and municipal financial support that is, as separate and distinct undertakings. Against this statement may be set the assertion that states and communities cannot afford to favor one industry at the expense of all the others therein, but we hold that whatever tends to ennoble, to elevate and to ameliorate the condition of the people—which flower shows certainly do—is worthy of, and entitled to, encouragement from the people in general. The rich can help along the movement from a philanthropic point of view, and the florist, for whatever increment in business may result therefrom, which is his only profitable recompense for assisting a good work.

The trend of the times is toward a cessation of floral exhibitions unless the promoters thereof receive greater outside financial assistance than has been forthcoming heretofore. It requires money to promote and further all educational movements; many of these receive state and national appropriations, why not include flower shows in this category? Their moral influence surely renders them worthy of consideration along this line!

We should deplore the discontinuance of exhibitions, even on trade principles, and if the florist *must* have immediate results from his participation in shows, in order to guarantee his doing his part, then convert the flower exhibition into a great mart where everything on display can be disposed of on demand. There are periods when such would be exceedingly profitable, and perhaps their after influence from a trade standpoint would be equally as advantageous as that resulting from a purely philanthropic and patriotic display for the purposes of education, provided free admission to all such were granted.

An Unusual Request.

We lately received from a subscriber a request so unusual in its nature that we think it deserving of more than a passing notice. It read somewhat as follows: "Please send my FLORISTS' EXCHANGE in a separate wrapper, as I do not wish my employes to see the paper."

Now, while we concede to the party his legitimate right to do as he pleases with his own; and without any data explanatory of his request, we think the withholding of the FLORISTS' EXCHANGE from his help is anything but conducive either to the welfare of himself or of those he employs. The cry of non intelligent help in the florist trade is, alas, a too common one, and everything that tends to the betterment of this condition is worthy of encouragement. Whatever assistance the FLORISTS' EXCHANGE and other papers of its class renders to employes should surely be made available to them, and the educational force of such publications thereby felt to its fullest extent. Happily for the large majority of employers and employes the narrow spirit shown in the request referred to is generally wanting. Free access to all publications bearing on the interests of the trade is given to employes; and, too, in several establishments, libraries of useful books are at their service. We would advise the writer of the requisition touched upon, and others as well, to encourage the boys to read all available and helpful literature. If a copy of the EXCHANGE is desired for the exclusive use of the employer, subscribe for one or more for the employes, something that is done in many cases to our knowledge, and, in addition, secure a handy binder or binders to file away each number for future reference. The cost is practically nil, when measured with the resultant benefits to all the parties concerned. In fact, we should like to see horticultural libraries established and maintained in every trade establishment where several young men are employed. This is one of the things that "pays."

Custom-House Matters.

Early in January W. F. Wakeman, appraiser for the port of New York, addressed a letter to the importers, inviting them to be present at a conference to be held at his office on the afternoon of Tuesday, January 9, to discuss the question of improving the customs service as applied to the handling and examination of plants and nursery stock. Preliminary to the conference a number of the largest importers met at Vaughan's seed store, to determine just what suggestions they could offer and the arguments to be used in favor of their adoption.

At the time appointed the following men waited on the appraiser: W. J. Prosser, P. O'Mara, Wm. J. Elliott, L. C. Bobbink, A. Hulsebosch, P. Ouwerkerk, C. E. Runyon, F. W. Kelsey, H. A. Siebrecht, H. Berkhans and Mr. Darrow.

The appraiser explained that the call for the conference had been made in response to requests of certain importers, and that it was his desire to meet every reasonable request which was not inconsistent with the interests of the Government. He stated that if it was not possible to arrive at satisfactory conclusions at the present meeting he was perfectly willing to have a further conference later.

One matter complained of was the delays in carting plants from the docks to the appraisers' stores, and it was suggested that if necessary the importers be allowed to do this work. To correct this the appraiser stated, was not within his jurisdiction, as all trucking was under the supervision of the Collector of the Port. The appraiser, however, proposed that a letter be drafted to the Collector, and said he would be glad to recommend for consideration any suggestions offered.

It was also complained that the holding of goods at the stores while discrepancies in the invoices were under consideration was the cause of great inconvenience and loss; and the statement was made that, inasmuch as the importers all had bonds filed to protect the Government in the event of the invoices being advanced, the goods should be released pending the consideration of the case by the Board of Appraisers. It was argued that the detention of the goods was no additional security to the Government, for by the time the case was decided the goods would have very much deteriorated, if not become entirely worthless. This matter the appraiser stated would also come within the jurisdiction of the Collector.

The discussion also brought out the fact that much of the stock suffered from careless repacking at the public stores; several instances being cited. The appraiser stated that he would immediately take steps to correct this matter.

The appraiser intimated that it would be possible to classify plants, bulbs and seeds as "special and perishable," thus securing for these goods precedence in handling over ordinary merchandise, and that he was willing to issue an order to this effect. One of the importers was very much in favor of securing a wharf examination. The appraiser remarked that this was practically impossible, owing to the insufficiency of the force for the work.

After the conference the importers determined to draft a letter to the Collector, embodying the matter under his control, but before this is done the importers will hold another meeting to further discuss the subject.

The exhibition and meeting of the American Carnation Society will take place in "Morgan Hall," Huron and Main streets, Buffalo, N. Y., February 15 and 16 next. The schedule has been issued; copies may be obtained from Secretary Herr, Lancaster, Pa.

On January 19, the Chicago Florists' Club will hold a special carnation meeting and exhibition; the latter will be held in Room 204, Masonic Temple. C. W. McKellar, 47 Wabash avenue, is in charge of the exhibits. Messrs. W. N. Rudd, Emil Buettner and Andrew McAdams will be judges.

The last volume of The Garden, London, to be edited by Mr. William Robinson, that for 1899, is dedicated to the memory of the late Henri L. de Vilmorin. The first volume was dedicated to the memory of the late J. C. Loudon. Mr. Robinson will give more time to "The English Flower Garden" and other work.

The Putnam County (N. Y.) Chrysanthemum Society, at its annual meeting held January 4, elected the following officers: President, Herbert H. Vreeland, Brewster; vice-president, James Cassiday, Garrisons; secretary, John. A. Connolly, Cold Spring; treasurer, William J. Buckley, Garrisons. It was decided to change the name to the Putnam County Horticultural Society, so as to enlarge the scope of the association.

A recent bulletin of the Department of Agriculture (Circ. No. 20, Division of Botany) gives an interesting account of Horse-radish Culture in Bohemia. The best variety is known as Maliuer, or Maliner Kren, regarding which it is stated in the circular referred to:

"There is every reason to suppose that the Maliner Kren variety of horse-radish can be cultivated as successfully in America as in Bohemia, if the hand labor entailed by the removal of the small roots from the cuttings is not too great. But even should this additional expenditure of care prove unprofitable the selection to which this variety has been subjected will probably render it superior even under the methods now practiced by growers in America. Whether the variety, when introduced, will retain its superior qualities can be determined only by experiment. A quantity of cuttings has, therefore, been imported for distribution to the State Experiment Stations, and to special growers who are already familar with the culture of horse-radish and are willing to take the pains necessary for a careful experiment."

OBITUARY.

John L. Galloway.

John L. Galloway, of Terrace Park, O., died January 2, 1900. Mr. Galloway was born at Paris, Ky., February 6, 1824. In 1839 the family removed to Montgomery, O., where the deceased was educated. He was married December 17, 1851, to Miss H. S. Highlands, of Terrace Park, O., where he built a home and engaged in the nursery business extensively, gradually merging it into that of florist, in which latter occupation he was engaged at his death. He was of Scotch descent. He leaves a widow, three sons and one daughter to mourn his loss. Mr. Galloway was a member of the Presbyterian Church, and an earnest worker in church affairs. G.

Mrs. Harry Dale.

I am sorry to have to announce the death of Mrs. Harry Dale, of Brampton, Ont., which occurred on Wednesday, January 3. Mrs. Dale had been ailing for some time, but had been up and around until quite lately. A short time ago she took to her bed, and though everything was done for her that science and loving care could suggest, she died, after an operation, on the above date. Mrs. Dale was an exceptionally kind-hearted woman, and will be very much missed by all who knew her. The funeral, which took place on Friday of last week, was one of the largest ever seen in Brampton; all the stores were closed and the whole place appeared to be in mourning. The designs and flowers were very beautiful. Many members of the trade were present to testify to the respect and esteem in which the deceased lady was held.

T. M.

William C. Chipman.

William C. Chipman died at Spring Hill, Sandwich, Mass., January 9, aged about seventy-five years. While he always lived there his name became known extensively in this country, and in some cities of Europe, in connection with the pink pond lily, which he first put on the market. The output of his ponds during one season was about fifty thousand lilies, all of which were sold at a price that netted a good profit. He also did quite a business in the sale of the plants, some of which were sent abroad. Of late years Mr. Chipman's health did not permit him to carry on his business on a very extensive scale. He was always interested in the affairs of his town, and an active worker in the cause of temperance. He was a member of the M. E. Church. Mr. Chipman is survived by two sons and two daughters. One of his sons, Mr. H. L. Chipman, is the editor of the Sandwich Independent.

Wm. F. Eaton.

Wm. Freeman Eaton, a member of the Philadelphia Florists' Club, died on Tuesday afternoon last, of Bright's disease. The members of the trade were much surprised and sorry to hear of his sudden death, there being only a few of them who knew that he was suffering from that dreaded disease. The deceased was greatly respected by all with whom he came in contact, being of perfect character and of amiable disposition. He was born in 1865, and at the age of 10 began work in the florists' business with F. Lucking, at Fifth and Fairmount avenue. Leaving here in 1885 he worked two years with Wm. Wagner, and in 1887 bought out the retail store of Conrad Bell, at 1108 Girard avenue, where he had since built up quite a nice business. He was persevering and up-to-date in his profession. He leaves a widow and four children. A special meeting of the Philadelphia Florists' Club was held on Wednesday, when appropriate resolutions were prepared and arrangements made to attend the funeral on Friday, the interment being in Northwood Cemetery.

D. R.

Michael Butler.

Michael Butler, of the firm of M. Butler & Son, died at his home on Berkeley avenue, Newport, R. I., January 6, aged 71 years. He was born at Blackwell, County Kilkenny, Ireland, in 1828, and came to Newport, R. I., June 7, 1848, where he has since made his home. For many years he was employed as a private gardener; the first place held by him in that capacity was on what is now known as the "Burke Roach" estate, being then owned by Mr. Andrew Robinson. He afterward spent 14 years as head gardener in the employ of the late Governor Morgan, on Narragansett avenue, on the property that is now owned by Mr. R. T. Wilson, and later was for several years in charge of the "Paine" place, now owned by ex-Commodore Gerry. Seeing a good opportunity was offered for establishing himself in the florist and landscape business in Newport, he many years ago abandoned the private gardener's profession, and in company with Samuel Smith, now of Jamestown, established the florists' firm of Smith & Butler; but for the past 17 years he had conducted the business along with his son at their present establishment, under the firm name of M. Butler & Son.

Since his establishment in business he has laid out the grounds around the homes of many of Newport's Summer residents; in fact, he has had much to do in developing Newport during the past 50 years.

The deceased was a public spirited man and took a great interest in the young, always joining in Arbor Day and like exercises, not infrequently reciting an original poem of his own composition on such occasions. He was a strong temperance advocate and favored moral reform generally. His chief pleasures were in writing poetry and in the study of astronomy; in fact, these were blended, many of his best verses written being on that subject.

The funeral took place on Monday morning, January 8, services being conducted at St. Mary's Roman Catholic Church, Rev. Father Meenan officiating, who paid a well deserved tribute to the memory of the deceased. The Father Matthews Total Abstinence Society, of which the deceased was a member, and was for 13 years its respected president, attended in a body. The Newport Horticultural Society, of which he was the first president, also turned out in a body. The floral tributes were many and beautiful. One son, John J. Butler, who is to continue the business, and one daughter, Mrs. C. J. Moore, and 12 grandchildren survive him. His wife died a few years ago. MAC.

New York Botanical Garden.

The trustees of the New York Botanical Garden held their annual meeting at No. 11 West 29th street. Dr. N. L. Britton, the secretary, made a report upon the year's work on the Bronx Park Gardens. It showed that the plants now exceed 4,000 and that the museum building is practically completed. The entire herbarium of Columbia University has been sent there, and the museum now has 115,600 mounted specimens. More than 1,000 volumes were added to the garden library last year. The report of the Membership Committee showed an increase of 165 annual members and 67 life members. The corporation re-elected all of its officers. They are: President, D. O. Mills; vice-president, Andrew Carnegie; treasurer, C. F. Cox, and secretary, Dr. Britton. Andrew Carnegie, John I. Kane, Dr. W. Gilman Thompson and Samuel Thorne were elected managers for three years. Mr. Thorne was chosen in the place of the late Judge Charles P. Daly. The successor of Cornelius Vanderbilt was not chosen. Resolutions in memory of Cornelius Vanderbilt and ex-Judge Daly were adopted. The corporation may send a vessel of its own to the West Indies in the Spring for the purpose of collecting specimens for the museum. The specimens desired are those of tropical flora, and the Botanical Gardens at Jamaica and Trinidad have splendid collections. The directors of those gardens are willing to give those specimens of which they have duplicates to the museum here. If the vessel is sent it will be in March. The treasurer's report shows a balance on hand of $283,-389.75. This includes the endowment fund of $264,750. During the year $39,-591.24 was paid for development and maintenance.

The local papers speak highly of a wedding decoration recently executed by W. M. Lindsey, Birmingham, Ala.

In a review of the year's work in Owosso, Mich., the Evening Argus of that city gives an account of the business of John S. Schleider's Sunnyside Greenhouses, together with two illustrations of his establishment. Mr. Schleider started here six years ago, and his place now covers 15,000 square feet of glass. A store and conservatory adjoining, 22x60 feet, were built the past Fall.

The New York Florists' Club meets the *second Monday* of each month, and not Tuesday, as stated in the list in last week's issue.

The appointment by President Wood of two retail men—Messrs. Sullivan and Curtledge—on the Executive Committee S. A. F., is a timely recognition of retail interests by the society. We hope the appointees may aid in the solution of the vexed question, "How to interest the retailer in our society," and thereby in our florists' clubs.

Sam. A. Hamilton, the sweet pea expert, of Roaring Spring, Pa., has entered the ranks of the novelists. The Abbey Press will issue February 1, a novel by him entitled "The Vengeance of the Mob," dealing with the subject of "Cracker" life in the South, and outrages upon negroes. The thread of a tragical love story runs through the book, keeping up the interest to the end.

Floral Calendars.

D. B. Long, Buffalo, N. Y., forwards this office several choice examples of "Daisy" Calendars, in various sizes, which he is offering to the trade at quite moderate figures. These form good advertising matter for the use of the enterprising florist.

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Latest Facts About New Carnations.

Read before the Philadelphia Florists' Club, by Albert M. Herr, January 2, 1900.

The term "new carnations" has considerable latitude to it, and I will start with the introductions of last season, and those on my own place:

G. H. Crane seems to stand out as the most prominent of last season's new ones, and perhaps deservedly so. It is a good scarlet, apparently, from the first to the last flower produced, and in this respect it supersedes that grand variety Jubilee, which is the scarlet for the months of December, January, February and March, but not of much value for any other portion of the season. From all that I have seen of Crane, up to this date, it does not look as if it would produce any more blooms to the plant, than well grown Jubilee. It is not to be classed as a cheap scarlet, although I have yet to see the first flower of this variety that was not saleable; and this is another point it possesses that few scarlets can lay claim to. Quite a lot of stem rot seems to have developed among it for a first season carnation, and if this proves to be characteristic of the variety it is doomed. It is to be hoped that selection and care will rid it of this trouble.

America lacks some of the good qualities of G. H. Crane as a scarlet, although with me, and the few places where I have seen it growing, it promises to outbloom Crane by a good, big percentage. As an offset to this, however, is the fact that it is not quite so uniform in quality, and a portion of the flowers cannot be classed as firsts; also early in the season a considerable portion of the cut comes under this class. With me it is rather a brighter scarlet than Crane, but not so full a flower; in growth it is somewhat stronger, and taken all in all, it looks to me as if it might prove a rattling good thing in places where it can be well grown.

Maceo, a rich dark maroon, very pretty in good light, but said by most growers to be too dark, is proving a good producer and a nice healthy grower; so it is to be hoped that it is not too dark in color.

Gomez, its companion, is of a lighter color, of the same shade, and seems to hit the popular fancy better than the dark one. It also has freedom of bloom, length of stem and good growth in its favor, but has been a disappointment in the size of its blooms. It has, however, been improving slightly the past few weeks, and even with the medium-sized flowers produced early in the season, it is worth a place, on account of its color and other good points.

Melba has also been a disappointment on account of its size, but it is better today than many varieties considered a fair size.

Governor Griggs, the rival of Daybreak, falls a little short on some points, but looks to me as if it might be with many growers a good one to have in stock, as there are some buyers who cling to this shade of pink and have little or no use for any other.

Glacier, the new white, has not been as extensively tried as it really deserved to be, although it falls short of the ideal white by a number of points. This ideal white may be in the houses of one of the hybridizers to-day, and it is to be sincerely hoped that it is; for a good commercial white is badly needed. Since making this statement a few months back, I have received some plants of an ideal white, in the grower's estimation; but they are, up to date, badly lacking in the points I am looking for. I also have received a number of sample blooms, but to a grower the flower is only an introduction to the variety, and about as much use, in judging the merits of a variety commercially, as reading an introduction to a book is toward forming an idea of its literary merits. I would rather have a thousand plants of a white carnation, that could fill the want in this color to-day, than the best $5,000 bond ever put on the market. Before putting it on the market I would want to be sure it did fill the bill, for the great majority of growers are getting tired, and justly so, of filling their houses with varieties that do not pay them, in dollars and cents. The lack of this important feature was never more forcibly impressed upon me than in a recent conversation with a grower who raises good carnations, and apparently is as successful as the majority of growers. He claimed that they figured on an actual loss in their carnation house every season, by carefully kept accounts, and only grew them to supply their customers, who buy roses and other cut stock, with a complete assortment of flowers. There is some food for reflection in this.

Iris Miller, an offence of my own, is not doing so well with me as it did last season, and while it is a magnificent large flower, it is too grassy in growth, and lacks blooming qualities.

Elsie Ferguson, a burnt orange in color, has all the commercial points necessary to make it a paying variety. The store men declare it to be no good as a seller. Some day the buyers will get tired of the old round, red, white and pink, and then a really beautiful odd color, such as this is, will command a good figure.

Leslie Paul is almost an ideal flower—form, substance, calyx and stem being just about perfect; and the color is the brightest I have ever seen in the Tidal Wave shade, red or dark pink. It is, however, late in coming into bloom, and requires special culture to bring it into flower for the holidays—a fact that may prevent its becoming popular. Growers who can procure fancy prices for fancy stock do well to take it up, and my own experience lends me to consider it a good sort for almost all growers.

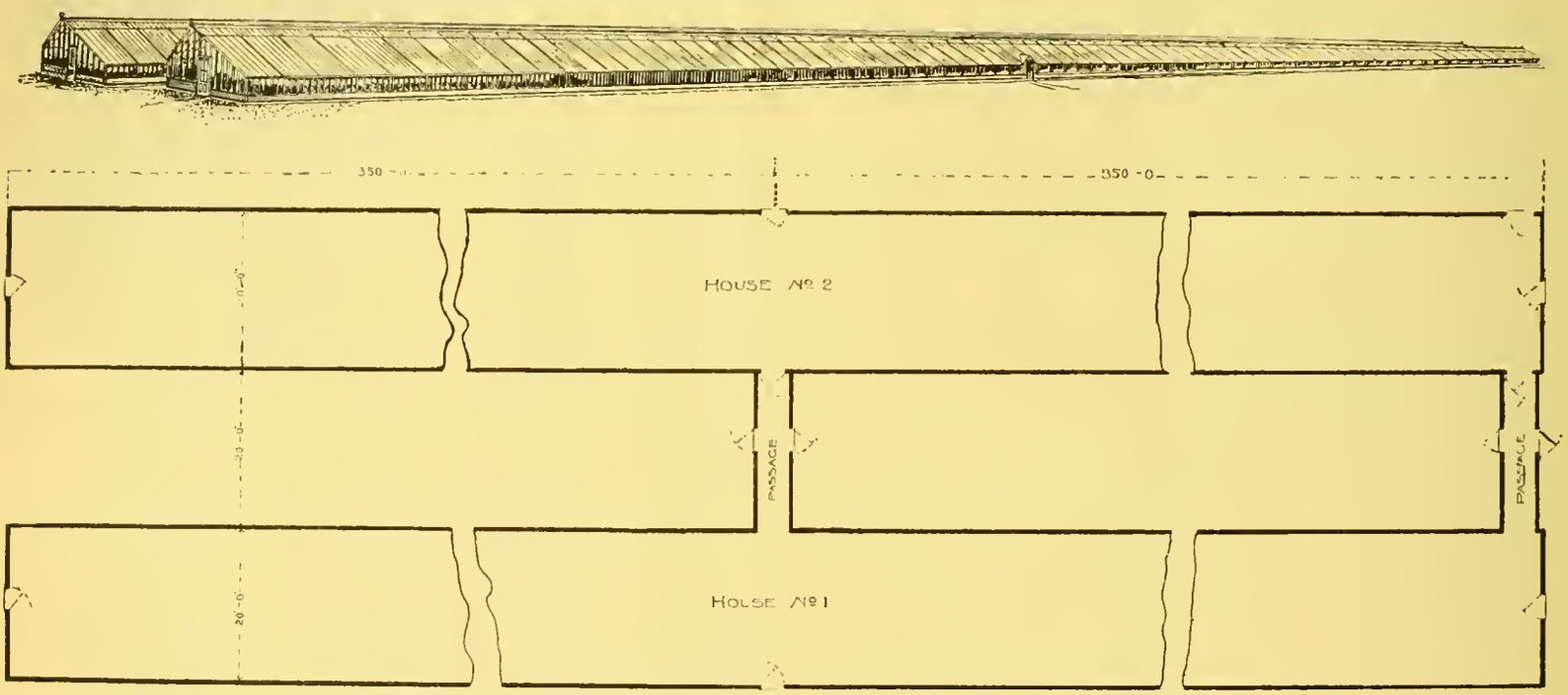
Evanston, Uncle Walter, and several other scarlet sports from Tidal Wave, are scarlet waves and nothing more; in fact, they being Scarlet Waves is sufficient recommendation for them, as Tidal Wave was in its time a rattling good sort, and to many growers is just as good to-day.

There are some other varieties of last season that should be reviewed in this paper, but not having seen them, nor tried them, I am not in a position to form an opinion.

Among real new sorts I am also at some disadvantage, although I have seen No. 666 and wished I were the owner of the stock, not alone on account of its size than is claimed for it, and that it stands a good chance of being a second Scott, with its merits not fully recognized until next Winter.

New carnations are getting to be a serious question with growers, and it is to be hoped that the American Carnation Society will take some action relative to bringing out their good points, and incidentally their bad ones. In a paper read by Mr. Fred. Dorner, at the Chicago meeting of this society, a series of exhibits was recommended, that it would be well for originators to carry out. The main points of the paper were: to have an exhibit of the cut blooms of a variety being introduced, once a month, at some point in the United States; have these flowers judged according to a scale of points adopted by the society, and these reports all filed with the society in February, and consolidated with the report on the variety in question at that meeting. This would give buyers an idea as to the merits of the flowers in the earlier parts of the season; and while, as said before, flowers alone are a poor thing to judge a variety from; they are an introduction. No honorable grower will refuse to truthfully answer any questions asked, as to the growing and blooming qualities of the variety; and the two would save many a dollar being invested in good Spring varieties.

Sometimes it seems a pity that the trade papers, and papers of this sort—the one I am now reading—are not more outspoken as to the faults of some of the newer carnations, and yet when we see the occasional gross injustice done a variety, by some one who has made a failure of it, we are glad that condemnation is witheld in most cases.



Plan of E. M. Wood & Co.'s (Natick, Mass.) Two Rose Houses, Each 700 feet in Length.
Lord & Burnham, New York, Builders.

Two 700-feet Greenhouses.

Our illustrations show the exterior and ground plan of E. M. Wood & Co.'s two 700-feet greenhouses at Natick, Mass., being erected by Lord & Burnham Co., New York. Mr. Wood furnishes the following description of the houses: "The two new houses being erected by us are each 700 feet long, three-quarter span, glass walls on the side, front walls 4 feet high, rear walls 5 feet high. A passageway of glass connects them in the center and at one end of the house. Sash are hinged upon the purlin and open from the top.

"These houses are built upon our most modern plan, the ridge being placed to the rear of the house as far as possible to avoid any shade being thrown upon the plants. The houses are 21 feet wide and are adapted to either solid beds or benches. It is intended to have the ventilators operated by electricity."



Grafting Roses on Manetti.

Please give particulars as to the best way of grafting roses on manetti stocks, ready to plant by September and the treatment after grafting. Should the stocks be potted before grafting? When would you recommend that the operation be performed?—G. A.

—The stocks upon which roses are grafted should be potted at least five or six weeks before the operation is performed, and kept in a temperature of 40 degrees or below; but not as low as freezing point. Stocks of one-eighth of an inch in diameter are about the best size, and when they have been in the cool house the length of time mentioned, they are ready for grafting. What would make a good cutting is the right wood to use for the cion. The side grafting method is believed to be the best. Make a clean slanting cut across the cion, running about three-quarters of an inch, and make a similar cut across the stock, as near to the soil as possible, and upwards; place the two cut places together (and they should be cut so as to fit pretty close) and bind them firmly in place, but not too tight. They should then be placed in an air-tight frame, where a temperature of 80 or 85 degrees can be maintained. This frame should be constructed inside the propagating house, where plenty of heat is available. Have the bottom of the frame well covered with sand and thoroughly soaked when the plants are put in; this will hold moisture enough to make it unnecessary to open the frame during the first few days, as no ventilation will be needed. If any plants become dry they must be watered, however, and care must be taken that the roots only are wet; not a drop of water should be allowed to touch the grafted parts.

When the two parts are united (which is easily told by their general appearance) they must be hardened off gradually, by giving air in small quantities, say for about two hours the first day, increasing the length of time gradually, so that in about two weeks' time they are fully exposed to the temperature of the house in which the frame is located. The tying material should be taken off after the union is assured, and when the hardening off process is concluded they should be treated like newly rooted cuttings, and potted after they have been exposed to full light and air for two weeks or so. The month of February is probably the best time to do the grafting, and by potting along the plants can be kept in good shape until wanted for the benches.

BRIEFS FOR BUSY FLORISTS.

ROSES.—Ventilating is one of the most important points to be looked after at this season of the year, and if one has ventilators on both sides of the ridge, it is possible to have a little air on during all bright days and not run the chance of a good dose of mildew. But where ventilators are only on one side of the ridge then watchfulness is needed; and, when air has been put on, the ventilators should not be left open just so many hours, but be governed by the weather. If a change of wind brings a cold breeze playing among the foliage, mildew will soon follow, as at this season of the year the rose is at its tenderest. Give air at all possible times, but don't think it is absolutely necessary to open up a house when the thermometer outside is down in the tens and a strong gale blowing.

POINSETTIAS that were cut down for the holidays, and from which next year's stock will be raised, may be laid away under a bench in any warm house. Do not shorten back the canes any more than they are; this would only be reducing the supply of cuttings with no benefit to the old plant.

AS THE HYDRANGEAS break into growth syringe them regularly and there will be no visits from red spider. These plants should be kept growing right along to be in for Easter—April 15.

A FEW POT-GROWN LILACS should be put into heat, at intervals, from now on. These make pretty saleable plants, but, of course, only a limited number should be started at a time. Having too many in the store at once soon tends to cheapen them in the eyes of the buyer.

BOSTON FERN still keeps to the fore as a seller, and if sufficient young stock is not already on hand it would be advisable to plant a bench with such as have been left over from the holidays. When planted out on a bench runners that form take root very quickly and make the best of stock for potting along.



JOHN SPAULDING.

ASPARAGUS SPRENGERI can be grown to strings, like the other varieties of asparagus, and for certain forms of decoration, such as draping pillars or pictures, it is most useful when it can be had in good lengths. Seeds sown now will make good stock for planting next August or September, and a part of a bed thus planted will be found as profitable as either A. plumosus or smilax, as it can be cut and used for so many different purposes, the short sprays of the first growth being excellent for bouquet work.

THIS IS A GOOD TIME to put in cuttings of bouvardias; the root cuttings are the best. Dig carefully down to the roots and select one of medium size; take it out its full length, cut into pieces about 2 inches long; lay these close together in a shallow box or pan, cover with sand, place them on the warmest end of the propagating bed and keep moist. When they have made a growth of about 2 inches pot into small-sized pots.

DOUBLE PETUNIAS—If special varieties of double petunias have been saved from last season, cuttings from them may be taken and the stock increased as much as possible. Double petunias come very good from seed, however, and the same should be sown at an early date.

OTHER SEEDS that should go in now are: Musa, cosmos, maurandya, Dracæna indivisa, smilax, Grevillea robusta and gloxinia.

HINTS and HELPS.

Alternantheras.—The slower growing alternantheras, such as brilliantissima and paronychioides are unsatisfactory from cuttings unless taken early in the Fall and kept growing. If this is not done the cuttings taken during Winter are apt to be weak and take too long a time in making a display after being planted out. It is a saving of time and productive of superior results to lift the old plants, cut them over severely, put them as thickly as they will go in boxes and keep rather dry until early Spring, when, say two weeks before being divided, they ought to be watered and given a place where the light will play on them. In this way each plant will give from 20 to 40 plants, which can be depended upon to make a good display in a short time after being put out. A further advantage in this method over that of cuttings is that they take up less room than cuttings in pots or boxes.

Hydrangeas.—To have the forms of Hydrangea hortensis in bloom early, those plants which have been kept cool will by this time have lost their foliage, but if any remain cut off to within a short distance of the stem. The plants, whether in 4, 5, or 6-inch pots, which show that an increased size may be given, will stand the operation better if the roots are disturbed as little as possible. The same size, or those larger, which cannot be shifted and the ball preserved intact, are best reduced when the soil is dry. Put in a cool house after potting, watering only to settle the soil, and syringe in order to start into growth. After a start has been made the heat and watering may be increased, and as the growth increases weak manure water may be given frequently.

Hybrid Roses.—Where a house is devoted to Jacqueminot roses, either planted permanently in solid beds grown in pots or boxes, and which are intended to bloom along about Easter, they should get attention now. The pruning, if it has not already been attended to, is an important item. Useless, weak wood should be removed, and the strong shoots of last season's growth shortened back and bent over if necessary. The soil should be loosened slightly on the surface, and a mulching of manure given. Watering should be delayed, if the soil is not dust dry, until the growths begin to break; this should be encouraged by syringing. After the plants begin to move more water and heat may be given.

Begonia Gloire de Lorraine.—Provided that the plants of this begonia are in fair health to start with, and not sickly looking material with the large leaves taken off for propagation, there is no more difficulty in its cultivation than there is in the majority of the species and their forms. The plant has been pretty freely distributed by this time, some very handsome specimens being seen at Christmas in most of the flower stores. About this time the foliage is at its best, being mature, and, as a rule, hardened off. The quickest way to propagate, as in the rex section, is by leaves; each leaf may be cut in two or kept whole and inserted in the sand with a piece of stem attached. Several little growths will make their appearance shortly after the roots are formed. These shoots may be allowed to gain considerable headway before being put in pots. Given a light, porous soil they soon form sturdy plants, which are given larger pots as necessary. The white sport of this variety is spoken of highly; it has been named "Caledonia" by the raiser.

Allamanda Cuttings which were taken from outdoor plants and rooted, should be encouraged to make growth from now on. If in 2 or 3-in. pots, they should be given a shift, using soil in which there is a considerable quantity of vegetable matter. The roots of the allamandas are large, and in this rooting medium they luxuriate. Frequent syringings and nipping out the ends of the shoots to make stocky plants, with a temperature ranging from 60 to 85 degrees, will hasten their growth.

Poinsettias.—The plants of these from which the flowers have been taken, if without foliage, may be placed under the bench and left there for a resting period. Those having foliage may be gradually dried off and rested until the time arrives for starting into growth either to supply young growths for propagation, or for making the usual flowering wood. Cuttings of the matured canes will root best when the supply of sap is diminished.

Cineraria maritima, and the white foliaged centaureas, such as C. candidissima, should be sown now in order to have fair-sized plants for Spring sales. C. candidissima is the handsomest of the number. They may be sown in boxes and the seedlings pricked off three in a 3-inch pot. Later on each plant may be given a separate pot.

Flamingo Flowers (Anthuriums).—With increasing sun heat these plants will soon commence active growth for the season, and the present is the best time for repotting or for rooting any tall or straggling growths which have grown away from the sphagnum in the pot. In this condition the roots, which are formed at the bases of the leaf stems, shrivel up for want of moisture, and the plant becomes shy in blooming. Cut off the shoots that are in this condition and put in a mixture of sphagnum and sand in a warm part of the propagating bench; keep moist and roots will form in abundance in about three weeks, when they should be potted up in the usual way. Old plants should have the lower part of the stem and roots removed and sunk lower in the pot, using a mixture of fibrous peat, sphagnum, well decomposed cow manure, charcoal and sand. This treatment applies only to such kinds as Andreanum, ornatum, and their numerous hybrid progeny; all of which produce very showy flowers which may be used to advantage associated with those of orchids. Their cultivation is exceedingly simple where sufficient heat is at command, a minimum temperature of 60 degrees F. being necessary.

G. W. O.

A Veteran Florist.

We have much pleasure in presenting this week the photograph of one of the veterans of the trade—John Spaulding, of New London, Conn., who at the advanced age of 85 years is still in the harness and as vigorous and active as many younger men.

Mr. Spaulding was born on Christmas Day, 1814, in Perthshire, Scotland. He served his apprenticeship with his father at Arthurston, and after remaining a number of years in Scotland and England, acquiring a knowledge of his business, he drifted to Ireland, where, as he says, he spent "fifteen years of my best days in good positions in gardens. In 1860 I became dissatisfied, not with my position, but with the pay I received, and came to America." After knocking about a year he finally settled down as gardener to the Hon. John Allen, Saybrook, Conn., with whom he remained for seven years. He then went to New London and commenced business on his own account, "beginning small and poor, going on the slow but sure plan, until I have now 1,700 feet of glass and a good retail trade, which I am, thank goodness, at the age of eighty-five, yet able to manage."



View of John Spaulding's Greenhouses

We also show a view of Mr. Spaulding's establishment. His dwelling-house is 162 years old.

The old gentleman is a member of the S. A. F., and attends the meetings which are within easy reach of his locality. He takes a lively interest in the society and his quaint sayings in the meetings have often been creative of great merriment.

Indiana State Florists' Association.

The thirteenth annual meeting of the State Florists' Association of Indiana was called to order at the State House, by President E. G. Hill, at 2:30 p. m., Tuesday, January 9. The president in his opening remarks thought we could not afford to drop the Fall flower shows, and after a discussion it was almost unanimously voted to hold our usual chrysanthemum exhibition next November.

Mr. Hill invited the association to visit his Richmond plant on February 10, which invitation was accepted.

The society passed a resolution instructing E. G. Hill to invite the American Carnation Society to hold its meetings in Indianapolis, in 1901. The sympathy of the society was sent to ex-President J. S. Stuart, of Anderson, Ind., in his illness, with hopes for his speedy recovery. At 6 p. m. the society participated in a banquet, given by the florists of Indianapolis, at the English Hotel.

Officers elected for 1900 were as follows: President, J. E. Haugh, Anderson; first vice-president, Wm. Langstaff, Indianapolis; second vice-president, W. W. Coles, Kokomo; secretary, Robert McKeand; treasurer, J. I. Huntington. All outside florists were royally entertained by the local florists.

The following exhibits were staged:

Stuart & Haugh, Anderson, Ind., new carnation Avondale, a pink sport of Armazindy, awarded honorable mention. The same firm also showed some fine White Cloud. Special mention was given to J. B. Bernard, Marion, Ind., for five vases of Flora Hill, Triumph and G. H. Crane. Berterman Floral Co. showed well-grown plants of ericas, cyclamen, cinerarias, Begonia Gloire de Lorraine and azaleas. Henry Rieman had several novelties in the new butterfly cyclamen, also cypripediums and a vase of pink and white carnations; the latter a promising variety. Sonnenschmidt & Junge were awarded honorable mention for a superb bunch of Marie Louise violets. The committee of judges were: W. W. Coles, Herbert Heller and John Hartje. C.

FIRES.

SUMMIT, N. J.—The Kent Place Nurseries (W. H. DeForest) were almost totally destroyed by fire Tuesday night, January 9. The loss on buildings is estimated at $50,000, with $20,000 insurance, and on plants at $75,000, with no insurance. It is believed that the fire was of incendiary origin. The night man discovered about 9 o'clock that the potting shed was burning, and promptly gave the alarm. For some unaccountable reason the fire department was slow in responding, and it was half an hour after the first company had arrived on the scene before the first stream of water began to play on the blaze. This was because so many of the fire hydrants in the neighborhood were frozen up. An hour after the first line of hose started to play on the fire, one of the hydrants was thawed out sufficiently to enable another line to be put in operation. It was too late, however, to do any good. It was after midnight before the fire was under control. The main structure and the adjoining greenhouses were totally wrecked. A few greenhouses lying at a greater distance were saved, but the plants therein perished on account of the cold. As fast as the water fell it froze.

The greenhouse buildings were owned by Frank A. Potts of New York, and were leased by W. H. DeForest, who owned all the plants. Mr. DeForest made a specialty of growing roses, and shipped immense quantities of those flowers to the New York and Brooklyn market. The place was at one time famed for its collection of cattleyas, and was also noted for Adiantum Farleyense. In addition to the roses there was a very valuable collection of ferns, palms and tropical plants, many of which cannot be replaced. The buildings spread over almost four acres, and a large number of men were employed therein. It is stated that in all probability the structures will not be rebuilt.

What lends strength to the incendiary theory is the fact that the place where the blaze broke out was remote from any other fire kept in the nursery and was not heated. The authorities are making a careful investigation. Mr. DeForest is a member of the family owning the Summit Silk Mills, many of whose former weavers are now on strike.

POONTON, N. J.—A slight fire in the greenhouse of Benjamin Lester, January 2, was extinguished before much damage was done.

THE EXPERIMENT STATIONS.

FALL ARMY OR GRASS WORM.—Illustrated circular, issued by the University of Nebraska, Agricultural Experiment Station at Lincoln, Neb.

HOMEMADE WIND MILLS.—Bulletin 59 of the foregoing station, contains illustrations and descriptions of the various homemade wind mills found throughout the state. A very serviceable bulletin.

EXPERIMENT STATION WORK, Farmers' Bulletin 103, United States Department of Agriculture, Washington, D. C.—Contains articles on excessive irrigation, cross-pollination of plums, root-pruning of fruit trees, the Oxeye daisy, etc.

CEREAL RUSTS of the United States, Bulletin 16, Division of Vegetable Physiology and Pathology, United States Department of Agriculture, Washington, D. C., with four colored plates.

DISEASES OF CUCUMBER, MELON AND TOMATO.—Bulletin 105, Ohio Agricultural Experiment Station, Wooster, O.

The practicability of saving the late crop of cucumbers from downy mildew, by use of Bordeaux mixture, is fully demonstrated by the experiments made. Spraying for this purpose need not be begun earlier than July 25 to August 1. If a crop of pickles or cucumbers is harvested by August 15, spraying for downy mildew is not required.

Spraying for anthracnose, downy mildew and leaf blight of muskmelons is still recommended, although some failures are recorded.

Previous recommendations as to the treatment of late tomato plants with Bordeaux mixture to prevent tomato leaf blight, Septoria Lycopersici, are again repeated.

STRIPED BEETLE ON CUCUMBER.—Bulletin 158, New York Agricultural Experiment Station, Geneva, N. Y.—Also, "Spraying Will Save the Pickle Crop," Bulletin 156 of same Station. Spraying the vines with Bordeaux mixture (1 to 8 formula), beginning about July 20, and repeating the application every eight or ten days until frost, is recommended as preventing mildew and allowing the plants to mature the best crops the soil and surroundings will produce.

INSECTICIDES, FUNGICIDES, SPRAYING CALENDAR; Bulletin 60, Hatch Experiment Station, Massachusetts Agricultural College, Amherst, Mass.

THE TARNISHED PLANT BUG.—Bulletin 47 of the Agricultural Experiment Station of the State of Missouri, Columbia, Mo.—As regards remedies, spraying with kerosene emulsion, the use of fresh and pure pyrethrum—one pound to every fifteen gallons of water, have been found effective. The bulletin states "our experiments with the 'Rose Leaf Insecticide' applied against the Tarnished Plant Bug have proven its value in this case above our expectations."

THE GRAPE.—Bulletin 46 of the same station. A most useful pamphlet embracing a study of types and varieties, a study of the pollination of cultivated grapes, and methods pursued by practical growers.

MUSHROOMS.—Bulletin 168, Cornel University Experiment Station, Ithaca, N. Y., in which three edible species of coprinus are fully described and illustrated, viz.: The Shaggy Mane (Coprinus cornatus); the Ink-cap (Corprinus abramentarius); and the Glistening Coprinus (Coprinus micaceous).

TENT CATERPILLARS.—Bulletin 70, same station, being an emergency report on the subject by Professor M. V. Slingerland.

NATIVE AGRICULTURAL GRASSES OF KANSAS. Bulletin 87. Kansas State Agricultural College Experiment Station, Manhattan, Kan. Illustrated and descriptive.

SOIL MOISTURE. Bulletin 89. Same station. Experiments with soil in pots, tried under the most rigid conditions available, showed that the rate of evaporation of water from soils is not sensibly affected by the addition to the soil of relatively large amounts of the substances ordinarily used as fertilizers, nor by certain others.



Bench of New Pelargonium America. Grown by H. Eichholz, Waynesboro, Pa.

In Time of Peace Prepare for War.—Insects and plant diseases have temporarily withdrawn from the conflict and rest during Winter's cold in egg mass or cocoon, in conidium or spore. The warmth of Spring will again waken them to activity, and unless their coming has been prepared for they will, as before, claim too large a share of many a grower's crop. The fruit grower may well spend some of his Winter leisure in freshening up his knowledge of fungicides and insecticides. A new publication along this line is Bulletin 161 of the New York Agricultural Experiment Station at Geneva. This gives details of experiments with gooseberry mildew and offers the grower a remedy cheap and effectual. A potassium sulphide solution does the business and costs less than half a cent a bush for materials. The station will send the bulletin to any one who requests it.

Bulletin No. 159 of the same station deals with the forest tent caterpillar, the given measures for the eradication of which include destruction of the egg masses in the Fall and Winter; spraying with arsenicals while the caterpillars are at work in the Spring; swabbing with kerosene when they are collected in groups or in the nests, and jarring from the trees; banding the trees to prevent access of wanderers and invaders; and destruction of cocoons in June and July. This bulletin may also be obtained from the station.



St, Louis.—Quite a party of bowlers showed up Monday night, January 8, but owing probably to their long rest, were a little wild, as scores show:

	1	2	3
Chas. Beyer	115	160	131
C. H. Kuehn	198	166	142
J. W. Kunz	145	156	145
E. Schray	125	129	119
C. C. Sanders	130	114	160
J. J. Beneke	128	135	148
F. C. Weber	141	128	142
John Young	..	110	134
F. J. Fellows	96	107	106

New York.—Monday being the day of the Florists' Club meeting the bowling took place in the afternoon. The scores are as under:

	1	2	3	4	5
L. Hafner	187	125	137	126	107
F. H. Traendly	122	156	173	169	..
T. Roehrs	138	114	91	139	171
F. L. Atkins	..	137	144	154	149
P. O'Mara	..	..	118	121	..
J. H. Troy	..	..	126	108	..
T. Lang	..	..	128	165	163
J. I. Donlan	..	..	144	172	171
A. S. Burns	..	..	158	124	137
S. S. Butterfield	104	125	86	..	..
W. H. Siebrecht	..	..	139	120	151
A. Herrington	..	..	90	111	94
J. Lang	..	..	88	73	107

CHANGES IN BUSINESS.

MANCHESTER, N. H.—F. J. Bixby, who has heretofore operated a greenhouse only to supply his general store with plants and flowers, has given up the store and will this season conduct only a florist business.

WILMINGTON, DEL.—Robert Lockerbie has rented the greenhouses here formerly conducted by the Pennrock Co., who have gone out of business.

GREAT BARRINGTON, MASS.—W. S. Ferguson, who has purchased the Fuller Farm in Van Deusenville, intends to engage in market gardening on a large scale.

WHITMAN, MASS.—R. E. Moir has opened a flower store here.

Firms Who Are Building.

BALLSTON SPA, N. Y.—Edward Sheak has commenced the erection of another violet house. Other violet growers in this locality will make additions the coming Spring.

LYONS, N. Y.—Peter Salter is about to build another greenhouse.

What Constitutes a Species.

Editor Florists' Exchange.

G. W. O.'s answer in last week's EXCHANGE, after his criticism of Mr. Tricker's letter, is, to say the least, very unsatisfactory. His positive assertion regarding the Victoria regia surely was not the result of digesting "Dr. Gray's First Lessons in Botany"!

During the past Summer, while attempting to decide if a new aster found in the vicinity of Philadelphia was a true species or only a variety, I was left in much the same condition as Caldwell the Woodman's secretary. One eminent botanist to whom the plant was sent for identification pronounced it a species, while another said it was only a variety. Now, if G. W. O. will allow me to refer him to "Darwin's Origin of Species," the generally accepted theory among scientific men, he will at once admit, until there is a better definition, that his criticism of Mr. Tricker's letter was uncalled for.

E. H.

PANSIES.—E. B. Jennings, Greens Farms, Conn., sends us some sample blooms of the well-known Jennings' strain. The flowers are large, with good stems, and embrace many beautiful markings.

New York.

The Market.

Business along all lines has been very quiet this week. From the 2d of January to the 15th there has always been a great falling off in the amount of business done, and this year is proving no exception to the rule. Stock is coming in quite plentifully, and it accumulates rapidly, consequently prices are on the downward grade, and all efforts of the dealers to clear out daily prove futile.

Special Beauty are going at $3 and $4 per dozen, and there is more coming in than the demand needs. Other grades have gone down in price proportionately; Bride and Bridesmaid bring from $2 to $10 per 100, according to quality. In one thousand lots they can be had even cheaper than that.

Carnations, also, in thousand lots, can be bought for $5; by the hundred they realize from 75c. to $2, according to quality and color. Fancies bring from $3 to $5 per 100. Roman hyacinths and Paper White narcissus are not being received in such vast quantities as they were, and the asking prices is the same as last week—ranging from 50c. to $1.50. Yellow narcissus and tulips are beginning to arrive, but only in limited quantities as yet, the same may be said of lilac and sweet peas.

Lily of the valley brings from $2 to $3 per 100, but goes slowly. For orchids there is scarcely any demand. Cattleyas may be had anywhere from 35c. to 60c. each, according to size and quality.

Violets are in good supply, too good in fact to be cleared out daily; for ordinary flowers the asking price ranges from 40c. to 75c.; for specials, from $1 to $1.50. Callas can be had at 8c.; Harrisii lilies, 10c.; smilax and asparagus, though not coming in very heavily, are still plentiful enough to meet all demands.

Pansies, stocks and bougainvillea are on the market occasionally, but the supply of these not being regular no standard price can be quoted.

Among the retailers a general quiet prevails, but as this is customary at this particular season of the year no uneasiness is felt.

Jottings.

Poultry was the subject of discussion at the meeting of the Farmers' Club, which was held at the American Institute in the Berkeley Lyceum on Wednesday, the 10th inst. At the February meeting the horticultural section of the institute will entertain the Eastern New York Horticultural Society.

With two of his salesmen on the sick list, John Young is kept hustling nowadays.

Mrs. J. B. Nugent is seriously ill at her home, 73rd street and Park avenue.

John Hart, salesman in Young & Nugent's, is laid up with pleurisy.

Wm. Hughes, one of Clucas & Boddington's employes, had the misfortune to have his leg broken last Monday. A barrel fell upon him.

A meeting of the New York Gardeners' Society will be held this (Saturday) evening, at the Grand Central Palace, at 8 o'clock.

Visitors in New York this week were: Richard Vincent, Jr., White Marsh, Md.; Alex. McLellan and Carl Jurgens and Son, Newport, R. I.; Robt. Craig, Philadelphia, Pa., and J. L. Dillon, Bloomsburg, Pa.

St. Paul.

Holiday Trades.

Holiday trade was fully up to the average in volume and might have been larger had not the growers pickled their stock and demanded enormous prices. How long this outrage on retailers and the public will be tolerated remains to be seen, but the sooner the store men unite to put down the evil the sooner its downfall will be accomplished.

Christmas sales were very good, with a fair supply in most lines.

In cut flowers carnations and roses sold well, the greatest demand being for red. Carnations retailed at $1 per dozen; for common and for fancy stock, $1.50; roses at $3 per dozen; Beauty at $10 to $20 per dozen, and hard to obtain even at that figure. Violets retailed at $3 to $4 per 100; valley at $1 per dozen; Paper Whites at 75c. per dozen; Romans, 50c. to 75c. per dozen.

Owing to favorable weather the week before Christmas the home cut was larger than anticipated, and the quality better. Shipped stock, however, was in bad condition, much of it being unfit for use.

Plants sold well, especially those in flower. Azaleas were in good demand, with cheaper plants selling equally well. Baby primrose was offered for the first time, but like many other meritorious novelties did not sell particularly well. A few well grown poinsettias were seen, reminding one of the times a dozen years ago or more. As several of the large grocery stores handled greens quite extensively, the florist trade in this line was cut short somewhat. Holly was well cleaned out, but there was quite a quantity of bouquet green left over. Mistletoe was of good, bad and indifferent quality, and sold with a rush. Some remarkably fine stock was shipped in from western Texas and New Mexico.

Country trade was even better than the city, and those who did a shipping business report the best trade ever recorded.

The weather was perfect up till Sunday, when the wind veered and a cold wave swept in from the Northwest. A few frozen flowers were noted in consequence.

New Year's trade was fairly good, though we think there is a slight falling off from year to year. Stock was more plentiful and of better quality than at Christmas, while prices were a shade lower. Since New Year's quiet has prevailed, but society will soon be in full sway and ought to increase trade quite materially.

St. Paul is to have a Winter carnival, with an ice palace and its accompanying sports, which should make business hum for a time. Whether this will help the florist business or not remains to be seen.

We are now enjoying the most perfect weather—no snow, no cold, plenty of sunlight and an abundance of good bloom coming in. If such weather continues our ice palace cannot materialize.

There has been a big demand the past week for funeral work, especially from the country towns.

Seed Notes.

The wholesale shipping trade has fairly commenced and from present indication will be the best in many years. Orders and inquiries are coming in very freely and are being placed earlier than usual, showing that the stocks of country merchants are well cleaned out, and that the scarcity of many varieties is well known. Catalogue trade has scarcely begun; the first "feelers" in the way of orders just coming to hand. Retail trade will undoubtedly be heavy, though it is too early to make this assertion with full confidence.

Recent callers were: Alex. Rodgers, of Chicago, president of the American Seed Association; W. H. Small, of Evansville, Ind., and C. P. Braslau, of New York and California. VERITAS.

Pittsburg.

Trade conditions remain about the same as the week previous; stock in plenty, prices moderate. At a banquet given in Hotel Schenley by the officers of the Carnegie Steel Co., the decoration was in the hands of Randolph & McClements. The banquet hall was arranged in the form of a Summer garden, with trees and plants in fruit and bloom. The tables were decorated profusely with cut flowers.

L. I. Neff has purchased the land and greenhouses of Ziegers, at Aspinwall, and has placed a good man in charge.

W. G. Duff is engaged at Ferguson's wholesale cut flower store, and says things are moving along satisfactorily.

The Pittsburg Cut Flower Co.'s new place is now in splendid shape for their trade, which is steadily improving.

Allegheny City is talking about erecting a new conservatory in Riverside Park, as the present one is not in the best place for the production of plants and bloooms. It is in the heart of the city and the smoke and dirt keep the glass in bad shape. E. C. REINEMAN.

Oceanic, N. J.

At the meeting of the Monmouth County Horticultural Society, on January 5, the secretary was instructed to notify every member of the society to be present to hear the lecture of Professor Byron D. Halsted, of the New Jersey Experiment Station, which he will deliver January 19, at 7:30 p. m. The subject will be on Rust on Chrysanthemums and Mildew on Roses. There will be refreshments served and a "Robert Burns" or a "Lilian Russell," for every one present on this occasion. George Kurkington was nominated for active membership. A communication from the Morris County Florists and Gardeners' Association was received, inviting our society to a smoker. B.

Louisville, Ky.

The market during the past week has been rather quiet, with prices remaining firm. The supply has been equal to the demand, with the exception of violets.

On January 2 the Society of Kentucky Florists held its monthly meeting, with President Woods in the chair. A fair number of members was present. After the regular business the members listened to Jacob Schulz, who told his first year's experience in hybridizing carnations. C. H. Kunzman and Jacob Schulz each showed several seedlings.

Friday, December 29, George Schulz had the misfortune to have a tube in his boiler spring a leak, but he managed to stop it enough to fire that night. Saturday morning he at once had the defective tube removed, but while refilling the boiler another tube began leaking, and while this was repairing Mr. Schulz built charcoal fires in his house to keep out the frost. While these fires were going Mr. Schulz was called away for a short time, and Mrs. Schulz being afraid the fires would burn too slow went into one of the houses and was overcome by the fumes of the charcoal. Mr. Schulz returned in a few minutes, and going into the house found his wife unconscious on the walk. He took her out into the open and sent at once for doctors, who after three-quarters of an hour's hard work brought her to. She has now entirely recovered. While some of the foliage on several of Mr. Schulz's plants was touched by the frost, not much damage was done.

Nanz & Neuner brought the first single jonquils into this market.

During the past week F. Malher & Co. have displayed some extra good Bridesmaid roses.

Jacob Schulz had a large plant of Magnolia soulangeana in full bloom, displayed in his window; it attracted much attention. J. S.

Philadelphia.

Market News.

For this season of the year business is somewhat quiet; none of the stores is busy—just a fair average trade going on.

All kinds of flowers are in over-supply, and with no indications of any large shipping orders to relieve the market. The over-supply must be the same in other cities; as shipping orders have fallen off very much the past week. Under existing conditions it is useless to quote prices; they would only be misleading, as many flowers are two and three days old when sold. Beauty roses are selling fairly well, better than other varieties, yet there are too many of this variety on hand. Carnations are quite a glut; a few fancy sell fairly well, but of other grades everyone is stocked full up, and cannot move any quantity; even the street men are not buying freely.

Notes.

Members of the trade were very sorry to learn of the death of Wm. F. Eaton.

Mrs. Magee has at last decided to make a change. She was married on New Year's Day to Mr. Savage, of New York City, where she will in future reside. The store and business at 20th and Bainbridge streets is to be offered for sale.

H. Bayersdorfer & Co. have issued a very pretty calendar, which they are sending out to the trade on application.

Adolph Farenwald is doing very well with Beauty this season and is sending S. S. Pennock some good flowers. The cut, so far, is grading very high. His tea roses are also fine.

Our bowlers are doing telling work again; in two matches this week they beat the Columbia Club by over 300 pins, and the Maennerchor by 36 pins.

DAVID RUST.

PERSONALS.

Reader, this is *your* column. Let us know what you are doing. It will keep your name before your fellow-craftsmen and interest many.

Warsaw, N. Y.—D. W. McKinley has given up business on account of poor health.

Jersey City, N. J.—About 307 chrysanthemums were stolen from the greenhouse of Louis Hansen last week.

Plainfield, N. J.—Mrs. L. J. Denton has rented a store in the best part of the city, making a specialty of decorations.

Nyack, N. Y.—Jos. Hilbert, whose lease of the Blauvelt place here expired on December 14 last, has retired from the business.

Pine Bush, N. Y.—Mrs F. T. Howell has secured the services of William Marshall, who has been foreman for E. Koffman the past nine years.

Parkersburg, W. Va.—G. A. Hiehle was recently married to a Baltimore young lady. Mr. and Mrs. Hiehle have returned from their honeymoon trip.

Norwich, Conn.—Charles H. Osgood, brother of the Mayor, has purchased the extensive greenhouses of Wm. A. Slater and has transferred them to his spacious grounds.

S. Crane, the nurseryman, says he has sold more Christmas trees this season than for five years past. He sent nearly a car-load to one city.

Mayor F. S. Osgood has erected fine green houses and engaged the services of Robert Revell, who was florist for Gov. Buckingham many years ago.

CATALOGUES RECEIVED.

A. BLANC, Philadelphia.—Catalogue of Electrotypes of Plants, Flowers, Fruits and Vegetables.

J. A. STECKLER SEED CO., New Orleans, La.—Catalogue of Vegetable, Flower, Field and Grass Seeds, etc., Illustrated.

J. M. THORBURN & CO., New York.—Trade Price List of Seeds, Bulbs, etc., very complete, including seeds of trees, shrubs, grasses, etc.

HENRY NUNGESSER & CO., NEW YORK.—Wholesale Price List of Grass and Clover Seeds.

EVERYTHING FOR THE GARDEN.—Annual Catalogue of Peter Henderson & Co., New York. The 1900 edition of this always beautiful catalogue is more handsome, complete and interesting than ever before. As a frontispiece the firm has selected the new rose Admiral Dewey, which is elegantly reproduced in color, associating therewith a representation of the Dewey arch and columns in New York City, with Madison Square Garden in the background. The back cover illustration represents Grant's Tomb, and furnishes a bird's-eye view of the naval parade, encircled with a wreath of sweet peas. Colored plates of early Leviathan pole lima bean, Henderson's Bountiful bean, Metropolitan sweet corn, Heart o' Gold squash, and the world-famous Ponderosa tomato, in vegetables, stocks, pansies, etc., in cut flowers, colored representations of the "Admiral" collection of ever-blooming garden roses, and of Henderson's "Dazzling" collection of ever-blooming cannas, in which the best of the novelties are included, go to enhance and help constitute a book that for profusion of illustrations, comprehensiveness of subjects offered, fullness of description and consequent general instructiveness, places "Everything for the Garden" as one of the leaders in the catalogues of the country for general distribution. An insert pays a well-deserved tribute to the memory of the late lamented Alfred Henderson, who passed away September 5, 1899.

TOBACCO STEMS
"Good Strong Kind."
60 CTS. PER 100 LBS.
BALES WEIGH 500 LBS.
TOBACCO DUST
"THE BLACK STUFF."
Fine or Coarse to Your Order
50 to 1000 lbs., 2 cents per pound.
H. A. STOOTHOFF & CO.
154-156 W. 27TH STREET, N. Y. CITY.

Tobacco-Whale Oil Soap for syringing for washing plants. We Know its Goodness. All Seedsmen Keep it

New York Florists' Club.

The meeting of the club on Monday evening last was well attended. Retiring President Plumb occupied the chair and introduced the officers-elect in a few well chosen words, paying a high tribute to the sterling qualities of his successor in office, Mr. O'Mara. Mr. Plumb stated that during his own tenure of office the membership had increased from 140, about 80 of which were in good standing, in 1897, to 169 with 121 in good standing at the present time. Referring to the coming S. A. F. meeting he remarked that he hoped every member of that body in attendance at New York "would leave us regretfully and every moment they were with us be stored away in their memory." He thanked the members and committees for the support given him during his presidency. Messrs. Allan and Nash then escorted Mr. O'Mara to the platform. The president-elect delivered a most practical address, outlining the work before the club the present year. Adverting to the horticultural exhibition to be given in August next, Mr. O'Mara stated that it had been decided to give the private gardeners the center space in the Grand Central Palace Hall, comprising about 10,000 square feet, for their displays, leaving 30,000 square feet for the trade exhibit. The committee to be appointed for the horticultural exhibition will be composed of private gardeners only, and their displays, including those of amateurs, will be separate and distinct from the trade exhibit. After touching on the great enthusiasm manifested by the private gardeners in the forthcoming undertaking, and the anticipated success of the convention generally, the president named the following standing committees for the ensuing year:

House or Entertainment Committee—F. L. Atkins, J. P. Cleary and Wm. Marshall.

Committee on Awards—W. I. Brower, C. H. Allen, Henry Dailledouze, A. L. Miller and John E. Lager.

In connection with S. A. F. matters committees on press, advertising and printing, reception, ways and means, horticultural exhibition and sports were also named, for all of which a judicious selection of members has been made.

Suitable remarks were also made by Vice-President Herrington, Treasurer Weathered and Secretary Young.

The Annual Dinner.

The president intimated that the annual dinner will take place at the St. Denis Hotel, 799 Broadway, on Wednesday evening, January 17, at 7 o'clock. The Executive Committee S. A. F., which meets in New York, January 16, will be the guests of the club on that occasion, which it is hoped will be graced by a large attendance of members, out of respect to the executive officers of the national society. It is also expected that some of the municipal dignitaries will be present, as well as prominent members of the trade from outside cities. Tickets will cost $5 each, and cash must accompany all orders for same. The tickets can be obtained from Treasurer C. B. Weathered, 48 Marion street. Donations of the "finest blooms possible" for table decoration are solicited; these sent to W. F. Sheridan, 39 West 28th street, between 12 and 2 o'clock, on January 17, will be taken care of in proper form.

New Members.

The following gentlemen were nominated for membership: Messrs. H. W. Gibbons, S. S. Butterfield, Jas. Beghie, C. F. Meyer and E. S. Miller.

Invitations.

Invitations to the annual dinners of the Dutchess County Horticultural Society and the Morris County Gardeners and Florists' Club were received. The president named as delegates to the former Messrs. Stewart and Wallace.

Treasurer's Report.

Mr. Weathered's report showed the financial condition of the club to be healthy, and was accompanied with the hopeful announcement that the majority of the arrearages would be paid up shortly.

Exhibits.

A vase of carnation Genevieve Lord was exhibited by H. Weber & Sons, Oakland, Md. It scored 86 points, and was certificated. Carnation Roslyn, a dark pink, large flower on a good stem, from C. Besold, Mineola, N. Y., was awarded honorable mention.

After some discussion on the necessity of amending the existing rules governing exhibits, and the intimation that the various committees would meet in the club rooms, Monday, January 22, the meeting adjourned.

Chicago.

State of Trade.

Business can hardly be said to be satisfactory, the reaction from holiday prices and trade being too great. Except in long-stemmed Beauty and Meteor of top grade, stock moves slowly, even at half Christmas prices. Very few Beauty go beyond $6 per dozen; medium, $3 to $4; teas, best, $8, but mostly $4 to $6, with lots of shorts at $2 to $3 per 100 to fakirs. In carnations fancies bring $6, with plenty of good stock at $3 to $4. Standards, $1 to $2 per 100; Crimson, by the thousand at $5 to $6. The weather is both sunny and Spring-like, which is bound to bring forward increasing supplies.

Callas are plentiful; the best bring $2 per dozen; lilies are also equal to the demand, going at same price. The first white lilac is in; rather small sprays, which go slow at $1 per dozen. Violets fetch 75c. to $1.50.

Club Meeting.

The Florists' Club held its regular meeting January 5, President Hartshorn in chair with Alexander Henderson secretary pro tem. Peter Hemer and Edward Tauch were elected members. Edgar Sanders, for the committee, reported good success in obtaining the signatures of growers in favor of upholding the Fall flower shows here. By resolution he was requested to lay before the Horticultural Society of Chicago, at its annual meeting, January 9, such information as he possessed. The president drew attention to the desirability of having the next meeting, January 19, declared a carnation night, which, after considerable discussion, was so ordered. The secretary was instructed to send out notifications to that effect to the principal growers, with a view to obtaining meritorious new and seedling exhibits. In order to accommodate those living at a distance, the show will be open in the afternoon as well as the evening. All exhibits should reach this city on the morning of January 19, addressed C. W. McKellar, secretary, 54 Wabash avenue. Edgar Sanders, G. L. Grant and P. J. Hauswirth were appointed a committee to revise the constitution and by-laws.

The Chicago Carnation Company had on exhibition two fine seedlings with 30-inch stems. No. 16, a dark pink, scored 86 points, and was awarded the club's certificate. No. 48, a fringed white, scored 84 points. Both varieties are noted for the number of flowers each plant produces. We recorded last year No. 16 as then having 16 open flowers and 14 buds on the plant at the same time.

Chicago Horticultural Society.

The annual meeting of this society took place January 9, Ernest Wienhoeber, vice-president, in the chair. Fifteen new members were proposed. The report of the secretary-treasurer showed a balance of $700.66, which, considering the great expense of the November exhibition—some $8,722.65—may be looked upon as highly satisfactory, and with the dues of the 278 members composing the society will give a good round sum by the time the Fall show again takes place. By resolution, the Executive Committee was empowered to hold a Fall show for the year 1900.

The following officers were elected for the ensuing year: President, William H. Chadwick; first vice-president, E. G. Uihlein; second vice-president, H. G. Selfredge; third vice-president, Emil Wienhoeber; secretary and treasurer, W. N. Rudd. Executive Committee for three years—W. C. Egan, Edgar Sanders, P. J. Hauswirth.

Greenhouses Lighted by Electricity.

Peter Reinberg has now installed, and has in full operation, an Edison electro-motor and string of incandescent lights of 16 candle power each along the main central passage ways of his immense establishment. The motor is run by a new 12-horse power engine, and the system is working to a charm. Mr. Reinberg considers the whole outfit cheap (something less than $1,000), considering the great conveniences. The cutting business here in carnations and roses is carried on to an enormous extent, two long houses being already filled with them in process of rooting, and others benched out already rooted for future stock. There is a marked change in the quality of carnations grown here from last year. The Bradt are a sight of buds and flowers. Triumph is a genuine money-maker, as is Evanston, although not of the fancy class. G. H. Crane is good, but America, as showing here, is a very close second. Argyle is all right; Joost, excellent; Gold Nugget the best yellow, Mayor Pingree being hardly satisfactory. There are altogether some two dozen varieties grown. Among the best, besides those named, are Melba, Leslie Paul, Governor Griggs, Jubilee, Victor, White Cloud, Flora Hill, Armazindy, Evelina, Nivea and Morello, and old standbys. It is a veritable carnation farm.

The rose houses are now in prime shape. Golden Gate is very satisfactory, as is Perle. Cuttings of roses are already being potted off for future stock.

George Reinberg is this year also a heavy propagator of both roses and carnations; over two houses are already full of cuttings and rooted stock.

Jottings.

Mrs. Amelia Shaefer, 277 Balmoral avenue, has bought out the business of Charles Shaefer. The plant consists of three houses, 250 feet each, all in carnations. Mrs. Shaefer hopes to double the capacity in the near future.

The Garfield Park Floral Co. on W. Madison street has had a splendid sale of plants this Winter. They grow largely for sale to retail florists, and find the most useful size plants of primroses, cyclamen, etc., 4 to 5 inch, these being wanted for filling pans, baskets, etc. Their lilies are late, but will soon be in abundance. They also grow small ferns largely.

Eli Hobbs, Indiana avenue, is well content with trade this Winter. He has a fine stock of palms, ferns, azaleas and other plants for his retail trade.

The Central Floral Co. are well satisfied with their Winter business so far.

Geo. F. Allen has opened up a retail store at 2138 Michigan avenue.

W. N. Rudd's home was burglarized a week ago, money and jewelry being taken.

A. Lange has a new junior partner—a fine baby boy. Omaha papers please copy.

The price of glass is dropping; now look out for greenhouse construction. Brant & Noe and Damm Bros. are on the list.

McKellar & Winterson sold to one retail house last week 60,000 hardy ferns.

Ess.

Boston.

The Market.

Trade has been rather slow the past week, there being very little outside of a few small dinner decorations in the way of business. The heavy supply continues, and there has been quite a drop in prices. Roses, carnations and violets all have suffered, the two former being in over-supply. With the drop in the price of violets a better demand has been experienced.

Beauty roses are plentiful and of good quality, but move slowly being held at fairly good figures. Bride and Bridesmaid are also in good supply and move at prices ranging from $2 to $12.50 per 100 for the best. Kaiserin are short, but the deficiency is easily made up by the large stock of Bride. Carnot, however, continue short and are the only roses really sought for just now; they sell quickly at prices from $1 to $4 per dozen. Carnations do not make as high prices as last week, and move rather slowly even at reduced figures. Finest grades average but $1.50 per 100, a few extras making $2 and $2.50; but quantities of smaller grades bring but from 75c. to $1.25 a 100.

Bulb stock continues plentiful, with an increase in the supply of the varieties of yellow narcissus. Prices on this stock have changed very little from last week's.

Violets are now quite plentiful, and average 75c. to $1.00 per 100 for good stock; smaller grades selling cheaper, and a limited quantity reaching above the dollar mark.

Massachusetts Horticultural Society.

The annual meeting of the Massachusetts Horticultural Society was held Saturday at Horticultural Hall, at which the officers for the present year were installed. The first prize exhibition of the year was given in the lower hall. The primulas were very fine, especially the lots of Primula obconica shown by John Barr, gardener to Mrs. B. P. Cheney, and Wm. Thatcher, gardener to Mrs. J. L. Gardner, who captured all the prizes in this class, and in the classes for P. sinensis and P. stellata as well. There were many other choice and finely grown plants displayed, which were not called for by the schedule. Mr. Jas. E. Rothwell made a fine showing of Cypripedium insigne in variety, including var. Sanderæ, var. Sanderianum, var. Youngianum, var. Ernestii and var. Laura Kimball. For this fine display Mr. Rothwell was awarded a silver medal. Mr. Oakes Ames also showed a fine Cypripedium insigne var. Sanderianum. Dr. C. G. Weld staged a good seedling amaryllis, and the Harvard Botanic Garden a nice Platyclinis uncata. R. & J. Farquhar exhibited Begonia Gloire de Lorraine var. compacta.

In cut flowers, Mrs. John A. Gardner made a nice display of Primula sinensis, capturing first prize. W. E. Coburn also showed primulas of good quality. Freesia was well shown by W. N. Craig and Mrs. E. M. Gill. Mr. Craig also exhibited a nice vase of cypripediums, and J. M. Howard one of carnations.

Jottings.

The Calder Floral Co. is now in the store formerly occupied by Chas. W. Fohn, at 396 Boylston street.

President Wood and Secretary Stewart, of the S. A. F. O. H., have gone to New York for the Executive Committee meeting to be held next week.

F. J. N.

Thomas F. Galvin reports that orders have been received for over 315,000 rooted cuttings of the famous $30,000 Mrs. Thomas W. Lawson carnation Considering the fact that it is barely three months since the announcement was made that the cuttings would be placed upon the market, the number of orders received to date is phenomenal. The plants will be ready for delivery after February 1.

Morris Country (N. J.) Gardeners and Florists' Society.

A smoker was given by this society Wednesday evening, January 10, and was enjoyed by over 30 people. Previous to the affair a short business session was held, and officers for the ensuing year elected. A section of the by-laws was amended, relating to the annual election of officers, which hereafter will take place in December instead of January. The reading of the reports of the secretary and treasurer showed the society to be in a very healthy condition, with a balance of $466.12 to face the year 1900. That the society reposes great confidence in its officers was shown by an almost unanimous vote for their re-election; the result being as follows: President, Wm. Duckham; vice-president, C. H. Totty; secretary, C. H. Atkins; treasurer, W. Charlton.

During the after proceedings a colored orchestra rendered selections of vocal and instrumental music, from the old plantation melodies and the rag-time up-to-date favorites. The Florham Quartette of stringed instruments also rendered many enjoyable pieces, which were received with much applause. Three of these boys are employed under Mr. Herrington on the Florham estate, and the manner in which each acquitted himself on the platform showed that their leisure evenings are being well spent in acquiring a knowledge of music. Auctioneer J. P. Cleary, New York, gave a vivid impersonation of Fagin's soliloquoy in the death cell, from Dickens' novel, "Oliver Twist." P. O'Mara made a short address, speaking mainly of the great horticultural exhibition to be held in New York next August. He hoped that out of that gathering an organization would come that would have a monster yearly show in the metropolis, which would be a credit to our country. J. Austin Shaw read an original poem, parodied after Tennyson's "Excelsior." W. J. Stewart told how when he and New York commission men went on to Madison the fire alarm was sounded when they arrived. W. I. Prosser and J. I. Donlan both had neat speeches memorized; but J. W. Withers was called to the floor and when he was through praising Morris County, and Madison in particular, the 11:19 train was due. The singing of "Auld Lang Syne" by the entire company brought one of the most enjoyable evenings of the season to a close.

On the table was a beautiful bunch of Olympia carnation, brought by John N. May, of Summit, N. J. Among the visitors from New York were P. O'Mara, J. W. Withers, W. J. Stewart, J. A. Shaw, J. I. Donlan, W. I. Prosser and S. S. Butterfield.

A FEW GOOD THINGS YOU WANT.

Extra fine 3 in. **Chinese Primrose** in bud and bloom, $4.00 per 100 **Asparagus Sprengeri and Plumosus,** 3 in., $8 00 per 100. **Rex Begonia,** 3 in., mixed $4.00 per 100. **Marguerite Daisy,** large flowering white, 2 in., $3 00 per 100. **Nephrolepis Cordata Compacta,** 2½ in., $4.00 per 100. **Kentia Belmoreana and Forsteriana,** 4 in., nice plants, 40c. each.

Geraniums, double granl, S. A. Nutt, Mrs. E. G. Hill, and Bonnaft, nice 2 in. stock, $3 per 100. **Brnanti,** single Grant and **La Favorite,** 2 in., $2.50 per 100.

Orders taken for February delivery for **Rooted Cuttings of Carnations,** Sc ii, McOowan, Mrs. Fisher, Portia and Alaska, 75c. per 100; $6.00 per 1000. Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

CHOICE STOCK FOR CHRISTMAS TRADE.

	Per 100
Cyclamen, 4 colors, 2½ in. pots.....	$5 00
Asparagus Sprengeri, 2½ in. pots, extra strong.....	6 00
Asparagus Sprengeri, 3 in. pots, very large.....	8 00
Primroses, (Chinese), 3 in. pots.....	5 00
" " 4 "	8 00
" " 6 in. pans, $3 00 per doz.	
" (Obconica Grandiflora and Hybridum), same size and price as Chinese Primroses. All in bud and bloom.	

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

PRIMROSES

Large, blooming Chinese Primroses, in bloom 4 in. pots, 8 cents; smaller plants of same kind, 4 in. without pots, $6.00 per 100.

CLEMATIS JACKMANNI, 3 yr. old, 6 to 8 ft., strong, $4 a doz.; 2 to 3 ft., $2.50 a doz.

PRIMULA OBCONICA, 4 in., $5.00 per 100.

CYCLAMEN, 4 in. pots, $1.00 per doz.

BEGONIA Semperflorens Gigantea, 6 in. pots, $2.50 per doz.; 4 in. pots, Prea. Carnot and other varieties. $1.20 per doz.

Orders now booked for **AZALEAS** to be delivered in the Fall of 1900. Please write for price list. When ordering state if pots are wanted. Cash with order, please.

GODFREY ASCHMANN, 1012 Ontario St., **Phila., Pa.**

WHOLESALE GROWER OF POT PLANTS.

Agent for O. VAN DEN PLAS, Lorchristy, Belgium, for Azaleas, Rhododendrons, Etc.

Mention the Florists' Exchange when writing.

VERBENA KING.



The largest Verbena grower in the world. Say, boys! we have them, too. None finer, the very best mammouth named vars. on earth at the following prices: 60 cents per 100; $5.00 per 1,000; 5,000 for $22.00; 10,000 for $40.00

Write for prices on larger lots.

NOTICE--Wepay the express on all rooted cuttings, and guarantee satisfaction in every way.

That cash, please.

C. HUMFELD,

CLAY CENTRE, KANSAS.

Mention the Florists' Exchange when writing.

GERANIUMS

Richard Brett, Beaute Poitevine, Mrs. E. G. Hill, Wonder, Marguerite De Layers, Alphonse Ricard, $20.00 per 1000; 2½ in. pots of the same, $30.00 per 1000; $3.25 per 100. **S. A. Nutt, La Favorite, Jas. Garr,** and several other good bedders, $15 per 1000; 2½ in. pots, $22.00 per 1000; $2.50 per 100. **Rose Geraniums,** $2 00 per 100. **Skeleton Rose,** $2.00 per 100. **Mme. Salleroi,** $1 50 per 100; $12.00 per 1000.

COLEUS, Crimson Verschaffeltii and Golden Queen, $7.00 per 1000, 75 cts. per 100; 2 in. pots, $1.50 per 100. Coleus in variety, $5.00 per 1000, 60 cts. per 100; 2 in. pots, $1.25 per 100.

AGERATUM, Blue and White, 75c. per 100; Princess Pauline, $1.00 per 100.

GIANT ALYSSUM, $1.00 per 100.

SALVIA, Splendens and Bedman, $1.25 a 100.

HELIOTROPE, 6 vars., named, $1 a 100.

CUPHEA (Cigar Plant), $1.00 per 100.

FUCHSIAS, $1.50 per 100; 2½ in. pots, $3 00 per 100.

FEVERFEW, $1.50 per 100; $12.00 per 1000.

VINCAS, $1.25 per 100; $10.00 per 1000. 4 in. pot, $8.00 per 100; $70 per 1000. Fine plants.

The above are rooted cuttings, except when noted Cash must accompany all orders.

J. E. FELTHOUSEN, Schenectady, N.Y.

Mention the Florists' Exchange when writing.

GERANIUMS

Most desirable BEDDERS, in semi-double scarlets, pinks, salmons, white; S. A. Nutt, and best market varieties, single and double; also **BEGONIA Erfordi** and **Vernon,** in red, pink and white. Replanted, fine stock, $16 00 per 1000.

COLEUS, red, yellow, and a large variety of very finest colors, $6.00 per 1000.

PANSIES, my select strains, replanted, **Bugnot,** $8 00, **Giants** $6 00 per 1000. One hundred rates, same by express. TERMS CASH.

Finest **Petunias, Verbenas, Heliotropes, Etc.** Send for General List and Prices.

DANIEL K. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

.. Geraniums and Roses ..

Older, but sun and weather-proof reliable varieties of scarlet, pink, salmon, white and crimson, Grant, Vick, La Favorite, E. Lauth etc.

Scarlet Sage, Heliotrope, Ageratum, Cigar Plants, Lemon Verbenas, etc., $2.50 per 100, from 2 inch pots; $1.50 for well rooted cuttings; 10 per cent. less by the 1000.

ROSES—Good assortment for spring sales, from 3 and 4 inch pots, $4.00 and $5 00 per 100.

N. STUDER, Anacostia, D. C.

Mention the Florists' Exchange when writing.

SPECIAL! 20 Per Cent. Discount for Two Weeks Only.

CYCLAMEN Persicum Splendens Giganteum, a few hundred plants left, in bud and bloom, from 4 in. pots, $1.50 a doz.; $12 a 100.

NOW READY—Cyclamen P. S. Giganteum, in 4 true colors, twice transplanted from flats, $2.50 per 100; $20 00 per 1000.

CHINESE PRIMROSES Fringed foliage, finest market varieties, from 2½ in. pots, $2.50 per 100; from 3 in. pots, in bud and bloom, strong, well-grown plants, in 7 colors, including blue, double white and red, $4.00 per 100; from 4 in. pots, extra fine, $1.00 per doz.; $8.00 per 100.

CINERARIAS Hyb Max. Grandiflora, twice transplanted from flats, $1.75 per 100.

PELARGONIUMS Best market varieties, from 2½ in. pots, $3 00 per 100.

GERANIUMS Double Grant, S. A. Nutt, Gloire de France, from 2½ in. pots, $2.50 per 100

CARNATION CUTTINGS 25,000 well-rooted Daybreak, $1.25 per 100; $12 00 per 1000.

All the above warranted A No. 1 Stock.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS!

	100	1000
Coleus, Crimson Verschaffeltii, Golden Bedder and Golden Queen.....	$0.75	$5.00
In variety.....	.60	5.00
M. Salleroi Geraniums, from soil.	1.25	10.00
Alternantheras, P. Major and A. Nana, from soil.....	.60	5 00
Ageratum, blue and white.....	.60	
" Princess Pauline.....	.75	
Cuphea (Cigar Plant).....	1.00	
Double Petunias, 30 varieties.....	1.25	
Feverfew, Little Gem.....	1.00	
Giant Alyssum.....	.60	
Heliotropes, 12 varieties.....	1.00	
" 2 inch pots.....	2.00	
Salvia Splendens and Bedman....	1.00	

Plants by the 100, by mail, prepaid. Cash with order.

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Unequaled Varieties VERBENAS Vigorous Stock.

	100	1000
Best Mammoths, strong pot plants...	$3.00	$25.00
" " rooted cuttings.....	1.25	10.00
Older "	1.00	8.00
" " strong pot plants...	2.50	20 00

ROOTED GERANIUM CUTTINGS

Double and single, best variety, $2.00 per 100; $15 00 per 1000.

Strong pot plants, $3.00 per 100; $25.00 per 1000.

ROOTED CUTTINGS CARNATIONS HEALTHY STOCK

Prices of all the best, new and older varieties on application.

CYCLAMEN GIGANTEUM.

From 3 inch pots, in bud, $8.00 per 100
" 3½ " " 10.00 "

MISCELLANEOUS.

	100	1000
Anthemis, Double Golden Marguerite.	$2.00	
Ageratum, blue and white.....	1.00	$8 00
" Princess Pauline.....	1.50	
Coleus, all leading sorts	1.00	8 00
Fuchsias, double and single.....	2 00	15.00
Feverfew.....	1.50	12.00
Heliotrope, light and dark	1 25	10.00
Impatiens Sultani.....	2.00	
Moon Vines, true.....	2 00	15 00
Salvias, Splendens and Bedman.....	1.25	10.00

TRADE LIST ON APPLICATION.

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We can supply any quantity in nice little field-grown clumps at $2.50 per 100; $4.00 per 1000; $75.00 per 10,000. Samples at 100 price. No charge for packing, when cash accompanies order. Reference requested.

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Ask for our Trade Lists of American

Woody and Herbaceous Plants and Seed.

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Jersey Wakefield and other vars., from cold frame, transplanted, 25 cts. a 100; $1.50 a 1000; $12.50 a 10,000; if by mail, add 20 cts. per 100.

LETTUCE Boston Market, Tennis Ball, Curled Simpson, Grand Rapids, and other vars., 15c. per 100; $1 00 per 1000; $3.50 per 10,000; if by mail, add 10c. per 100.

Other vegetable plants in season. Cash with order.

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8 to 10 ft., 1 to 1½ in. caliper. 25 Elms, 6 to 9 in. caliper, fine specimens, well developed heads. Send for price list.

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Grand Assortment of 40 varieties, price list on application.

Carnation Cuttings, selected, at lowest prices: John Young, Mrs. Jas. Dean, Bon Ton, New York, Eldorado, White Cloud.

Petunias, double rooted cuttings best for pot and bedding, $1 25 per 100. **Heliotrope,** $1 per 100. **Geranium,** Gen. Grant, S. A. Nutt, etc., $1.50 per 100. Mars Mountain of Snow, $2 per 100. Cash, please.

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No finer strain on the market. Transplanted in flats, $2 00 per 100; $18.00 per 1000.

Forget-Me-Not, stocky pot plants, $2.00 per 100. Large clumps for benching or dividing, $4.00 per 100.

Baby Primrose, in bud and bloom, $3.00 per 100.

Rudbeckia, Golden Glow, $3 00 per 100.

Double Petunias, in splendid mixture. Rooted cuttings, $1.00 per 100.

Alternanthera, 50 cts. per 100; $4.00 per 1000.

ORANGE FLORAL CO., West Orange, N. J.

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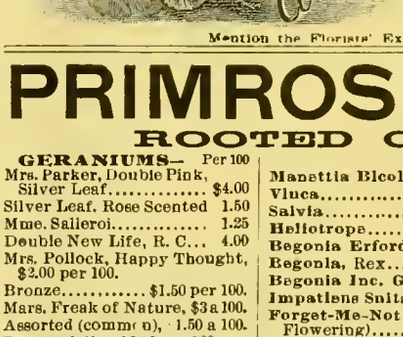

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SEEDLING OF MARS.

An Ideal Geranium for pot culture and bedding. It is of a stronger growth and larger foliage than Mars, retaining the dwarfness and floriferousness of that parent. On opening the flowers are white with salmon center; once open they shade through all salmon and rose tints, until they become deep, pure rose, when fully open. As all color shadings appear at one time on each truss, the effect is unequaled in the class of geraniums. The trusses are as large as Mrs. E. G. Hill, under good culture. This variety will become even more popular than its parents. **50 cts. each; $5.00 per doz.**

MARS 2¼ inch pots, $5.00 per 100.

CASH, PLEASE.

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PRIMROSES FOR EASTER BLOOMING 2 in., $2.00 per 100.

ROOTED CUTTINGS.

GERANIUMS—	Per 100
Mrs. Parker, Double Pink, Silver Leaf.....	$4.00
Silver Leaf, Rose Scented	1.50
Mme. Salleroi.....	1.25
Double New Life, R. C...	4.00
Mrs. Pollock, Happy Thought, $2.00 per 100.	
Bronze.....	$1.50 per 100.
Mars, Freak of Nature, $3 a 100.	
Assorted (common), 1.50 a 100.	
Best varieties, $2.00 per 100.	
Mme. Bruant, $2.50 per 100.	
Mixed, $1.25 a 100; $12.00 a 1000.	

Manettia Bicolor.....	$2.00
Vinca.....	1.50
Salvia.....	1.25
Heliotrope.....	1.25
Begonia Erfordii.....	2.00
Begonia, Rex.....	2.00
Begonia Inc. Gigantea	2.00
Impatiens Sultani.....	2.00
Forget-Me-Not (Winter Flowering).....	2.00
Alternantheras, red and yellow, Summer struck, $1 a 100; $9 00 per 1000.	

Alternantheras, red and yellow, 60c. per 100; $5 per 1000.	
Alyssum, Double Giant, $1.00 per 100.	
Tradescantia Tricolor, $2.00 per 100.	
Fuchsias, assorted, $1.50 a 100.	
Sun Ray, variegated red, white and green, $4.00 a 100.	
Trailing Queen, $1 50 a 100.	
Lemon Verbena, $1.50 a 100.	
COLEUS—	
Fancy and large leaf.....	$1.00
Separate colors.....	.80
Mixed.....	.60

Let us book your order now for the **BEST LATE WHITE 'MUM** for florists' use, rooted cuttings, $2.00 per 100.

PLANTS.

GERANIUMS—	Per 100
Mrs. Parker.....	$6.00
Happy Thought, 2½ in...	4.00
Silver Leaf, 2½ in.....	4.00
Mrs. Pollock, 2¼ in.....	4.00
Forget-Me-Not (Winter Flowering) 2½ in.....	4.00
Mignonette, 2 in.....	2.00

BEGONIAS—	Per 100
Rex, assorted, 2½ in.....	$4.00
" named.....	6.00
Primrose, in bud, 2¼ in.	3.00
Primula Obconica, 2 in., $2 a 100; in flats, $1.50 a 100.	
LEMON VERBENAS, $3.00, $4.00 and.....	6.00

	Per 10
Antherieum, 3 in.....	$6.00
Dracæna Indivisa, in flats.....	5 00
Manettia Bicolor, 2½ in.	4.00
Fragrant Calla, 2½ inch, 1.50 per doz.	
Fragrant Calla, 4 inch, $3.00 per doz.	

Terms, Cash or C. O. D. **GREENE & UNDERHILL, Watertown, N.Y.**

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Beauties, Meteors, Brides and Bridesmaids are the leaders.
The highest grade of . . . VALLEY always on hand . . .
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ROSES Wholesale Florist, ORCHIDS
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Receiving Extra Quality AM. BEAUTIES and all other varieties of Roses.
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...Wholesale Prices of Cut Flowers...

	Names and Varieties	New York Jan. 12, 1900	Boston Jan. 11 1900	Philadelphia Jan. 11, 1900	Baltimore Jan 11, 1900	Buffalo Jan. 10, 1900
Roses	A. BEAUTY, fancy—special	25.00 to 35.00	30.00 to 60.00	50.00 to 75.00	... to ...	60.00 to 75.00
	" extra	10.00 to 20.00	25.00 to 35.00	35.00 to 50.00	35.00 to 40.00	40.00 to 50.00
	" No. 1	5.00 to 8.00	15.00 to 20.00	20.00 to 30.00	20.00 to 30.00	20.00 to 30.00
	" Culls & ordinary	2.00 to 4.00	6.00 to 12.5	5.00 to 20.00	5.00 to 15.00	5.00 to 10.00
	Bride	2.00 to 8.00	2.00 to 12 50	4.00 to 12.00	3.00 to 8.00	3.00 to 10.00
	Bridesmaid	2.00 to 8.00	2.00 to 12 5	4.00 to 12.00	3.00 to 8.00	3.00 to 10.00
	Hoste	.... to	1.00 to 8.00	.... to	.... to	.... to ....
	Jacqueminot	.... to	.... to	.... to	.... to	.... to ....
	K. A. Victoria	4.00 to 8.00	2.00 to 12.50	4.00 to 12.00	3.00 to 8.00	3.00 to 8.00
	La France	3.00 to 6.00	.... to	2.00 to 8.0	3.00 to 6.0	.... to ....
	Mermet	.... to	.... to	.... to	.... to	.... to ....
	Meteor	2.00 to 8.00	3.00 to 10.00	4.00 to 12.00	4.00 to 8.00	3.00 to 10.00
	Mrs. Pierpont Morgan	2.00 to 5.00	.... to	8.00 to 10.00	.... to	.... to ....
	Niphetos	.... to	.... to	.... to	3.00 to 5.00	3.00 to 5.00
	Papa Gontier	.... to	.... to	.... to	3.00 to 5.00	3.00 to 5.00
	Perle	2.00 to 5.00	2.00 to 6.00	3.00 to 6.00	3.00 to 5.00	3.00 to 6.00
	Souv. de Wootton	.... to	.... to	.... to	.... to	3.00 to 5.00
	ORCHIDS—Cattleyas	35.00 to 60.00	.... to	.... to 50.00	.... to	40.00 to 60.00
	Cypripediums	.... to 12.5	10.00 to 12.50	.... to 15.00	.... to 15.00	12.50 to 15.00
	Dendrobium formosum	5.00 to 20.00	.... to	.... to 25.00	.... to	.... to ....
Carnations	Inf'r grades, all colors	.75 to 1 0	.75 to 1.00	.50 to 1 5	1.00 to 1.25	.... to 1.00
	STANDARD VARIETIES White	75 to 2 00	1.00 to 1.25	1.00 to 2.00	1.50 to 2.0	1 25 to 2.00
	STANDARD VARIETIES Pink	75 to 2.0	1.00 to 1.25	1.00 to 2.00	1.50 to 2.00	1.25 to 2.00
	STANDARD VARIETIES Red	75 to 2.00	1.00 to 1.25	1.00 to 2 00	1.50 to 2.00	1 25 to 2 00
	STANDARD VARIETIES Yel.&Var.	75 to 2 00	1.00 to 1.25	1.00 to 2.00	1.50 to 2.00	1 25 to 2.00
	*FANCY— White	3.00 to 5.00	.... to 1.5	1.25 to 3.00	2.00 to 2.50	3 00 to 3.50
	(*The highest grades of standard var) Pink	3 00 to 5.0	.... to 1.50	1.25 to 3.00	2.00 to 2.50	3.00 to 3.50
	(*The highest grades of standard var) Red	3.00 to 5 00	.... to 1.50	1.25 to 3.0	2 00 to 2.5	3.00 to 3.50
	(*The highest grades of standard var) Yel.&Var.	3.00 to 5.0	.... to 2.00	1.25 to 3.00	2.00 to 3.00	3.00 to 3.50
	NOVELTIES	10.00 to 15.00	2.50 to 3.50	2.00 to 4.00	.... to	.... to ....
	ADIANTUM	.35 to .75	.50 to .75	.75 to 1.00	.... to .25	.75 to 1.25
	ASPARAGUS	35.00 to 50.00	.... to 50.00	35.00 to 50.00	.... to 35 00	31.00 to 60.00
	CALLAS	.... to 8.0	8.00 to 10.00	... to ...	.... to 8 00	0.00 to 15.00
	HYACINTHS	.50 to 1.5	1.00 to 2.0	2 00 to 3.00	1.00 to 2.5	1.00 to 3.00
	LILIES	.... to 10.0	8.00 to 12 5	.... to	.... to	15.00 to 20.00
	LILY OF THE VALLEY	1.00 to 2.5	2.00 to 4.00	2.00 to 5.00	... to	3.00 to 4 00
	MIGNONETTE—ordinary	3.00 to 5.00	2.00 to 4.00	2.00 to 4.00	.... to	2.00 to 3.00
	MIGNONETTE—fancy	8.00 to 12 00	... to	.... to	2.00 to 3.00	4.00 to 5.00
	NARCISSUS	.75 to 1.5	1.00 to 3.00	2.00 to 3.00	2.00 to 3.0	1.50 to 3.00
	SMILAX	8.00 to 10.00	10.00 to 12.00	12.00 to 15 00	2.50 to 25.00	15.00 to 20.00
	SWEET PEAS	.... to	.... to	.... to	.... to	... to ...
	TULIPS	.... to	.... to	.... to	.... to	4.00 to 5.00
	VIOLETS	.40 to .75	.75 to 1 00	.50 to 1.25	.... to .75	.50 to 1.00
	VIOLETS, special	1.00 to 1.50	.... to 1.25	.75 to 1.50	.... to	1.50 to 2.00

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

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Asparagus Plumosus, Chrysanthemums, Mignonette, Brides, 'Maids, American Beauties
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Can furnish at short notice. Prices according to quality of goods. Long Distance Telephone, 2161 and 2071.

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1612-14-16-18 Ludlow St., PHILADELPHIA, PA.

We have a fine grade of everything in market at present. Send us a Trial Order and we will do the rest.
EDW. C. HORAN,
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CUT FLOWERS AT WHOLESALE.
Receiving Daily Fine PRES. CARNOT, KAISERINS, METEORS, BEAUTIES, Etc.

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TRAENDLY & SCHENCK,
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Consignments of choice ROSES, CARNATIONS, VIOLETS solicited.
Fine VALLEY in stock at all times.

LEO NIESSEN,
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Long Distance Phone 3-45-94 D. Philadelphia.
Consignments of Choice Valley and Roses Solicited.

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CHOICEST STOCK ALWAYS ON HAND.
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Successor to Illinois Cut Flower Co.
Wholesale Cut Flowers
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51 and 53 Wabash Ave., CHICAGO.

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ASPARAGUS PLUMOSUS NANUS CUT STRINGS, 8 feet long, 50 Cents per String. Shipped to any part of the country.
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Wholesale Commission Jobbers
In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work.
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...Wholesale Prices of Cut Flowers...

Names and Varieties	Chicago Jan. 10 '00	St. Louis Jan. 8, '00	Cincinnati Jan. 9, '00	Milwaukee Jan. 9 '0	Pittsburg Jan. 8, '00	Toronto Jan. 9,'00
Roses: A. Beauty, fancy—special	50 00—60 00	....—	35.00—50.00	25 00—35.00	....—75.00	....—35.00
" extra	30 00—40.00	....—	50.00—60.00	15 00—20.00	40.00—55.00	....—25.00
" No. 1	15 00—20.00	....—	20.00—35.00	10.00—12.5	0 00—35.00	....—10.00
" Culls & ordinary	6.00— 8 00	....—	8.00—10.00	4.00— 6.00	10.00—15.00	....—....
Bride	3 00— 6.00	6.00— 8.00	4.00— 6.00	4.00— 6.00	4.00—10.00	4.00—12.00
Bridesmaid	3 00— 8.00	6.00— 8.00	4.00— 6.00	4.00— 6.00	4.00—10.00	4.00—12.00
Hoste	....—	....—	....—	....—	....—	3.00— 8.00
Jacquemiot	....—	....—	....—	....—	....—	....— ....
K. A. Victoria	3.00— 6.00	....—	....—	5.00— 8.00	4.00— 8.00	....— ....
La France	....—	....—	....—	....—	....—	....— ....
Mermet	....—	....—	....—	....—	....—	3.00—12.00
Meteor	4.00— 8.00	6.00— 8.00	4.00— 8.00	5.00— 8.00	4.00—12.00	6 00—12.00
Mrs. Pierpont Morgan	....—	....—	....—	....—	....—	4.00— 8.00
Niphetos	....—	....—	....—	....—	....—	....— ....
Papa Gontier	3.00— 6.00	....—	....—	....—	....—	....— ....
Perle	3.00— 6.00	4.00— 6.00	3.00— 5.00	4.00— 6 00	4.00— 6.00	3.00— 6.00
Souv. de Wootton	....—	4.00— 6.00	....—	....—	....—	4.00—10.00
ORCHIDS—Cattleyas	....—	....—	....—	....—	....—	25.00—30.00
Cypripediums	....—	....—	....—	....—	....—	10.00—12.00
Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations: Inf'r grades, all colors	.75— 1.00	.75— 1.0	....—	....—	.75— 1.00	....— 2.00
Standard Varieties White	1.00 1.25	1.50— 2.00	1.00— 2.00	1.50— 2.0	.75— 1.0	....— 3.00
Standard Varieties Pink	1.00— 1.25	1.50— 2.00	1.00— 2.00	1.50— 2.00	.75— 1.0	....— 3.00
Standard Varieties Red	1.50— 2.00	1.50— 2.00	1.00— 2.00	1.50— 2.00	1.00— 1.25	....— 3.00
Standard Varieties Yel.&Var.	1.50— 2.0	1.50— 2.0	....—	1.50— 2.0	1.00— 1.25	3.00— 4.00
*Fancy— White	3.00— 4.0	2.00— 3.00	2.00— 4.00	2.00— 3.0	1.50— 3.00	....— 5.00
*Fancy— Pink	4.00— 6.00	2.00— 3.0	2.00— 4.00	2.0— 3.0	1 50— 2.50	....— 5.00
*Fancy— Red	4.00— 6.00	2.00— 3.00	2.00— 4.0	2.00— 3.0	1.50— 3.0	....— 5.00
*Fancy— Yel.&Var.	4.00— 6.00	2.00— 3.00	....—	2.00— 3.00	1.50— 2.0	....— 5.00
Novelties	....—	....—	....—	....—	....—	....— 5.00
ADIANTUM	.75— 1.00	1.00— 1.25	....— 1.00	....— 1.00	1.00— 1.25	.75— 1.25
ASPARAGUS	50.00—60.00	....—	....—60.00	....—	35.00—50.00	20.00—50.00
CALLAS	12.00—15.00	6.00—10.00	....—10.00	....—	....—	6.00—10.00
HYACINTHS	2.00— 3.00	2.00— 3.00	....— 2.00	....—	1.50— 2.50	....— ....
LILIES	12.00—18.00	....—	10.00—12.00	....—	....—20.00	10.00—12.50
LILY OF THE VALLEY	3.00— 4.00	....— 4.00	4.00— 5.00	....— 5.00	3.00— 4.00	2.50— 3.50
MIGNONETTE—ordinary	2.00— 3.00	....—	....—	....—	2.00— 3.00	....— ....
MIGNONETTE— fancy	4.00— 6.00	....—	....—	....—	4.00— 6.0	....— ....
NARCISSUS	1.00— 2.00	2.00— 3.00	2.00— 3.00	....—	2.00— 3.00	2.50— 3.00
SMILAX	12.00—15.00	12.50—15.00	12.00—15.00	....—15.00	10.00—15.00	....— ....
SWEET PEAS	....—	....—	....—	....—	....—	....— ....
TULIPS	3.40— 4.00	....— 2.00	....—	....—	4.00— 5.00	....— ....
VIOLETS	.75— 1.00	....—	.50— 1.00	....— .60	.60— 1.0	....— 1.00
VIOLETS—special	1.25— 1.50	.75— 1.00	1.00— 1.50	....— 1.00	1.25— 2.00	....— 1.50

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Coleus, Ageratum, Etc., $2.00 per 100.

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Commercial Violet Culture

See Advertisement Page 45.

CHRISTMAS TRADE.

Later Reports.

GALVESTON, TEX.—Christmas trade this year was better than last. In plants it was confined almost entirely to ferns in jardinieres or baskets. Blossoming plants were scarce and palms did not take as well as usual. Prices ranged about the same as last year. Cut flowers sold well, but were rather hard to get, and prices were high.—O. F.

DAYTON, O.—Christmas trade here was about 25 per cent. better than that of last year, with quality of stock good. The supply of standard varieties of roses was equal to the demand, but there was a scarcity of Beauty, carnations and violets. Prices obtained about the same as last year, with a marked increase in the call for Meteor roses, also for palms—J. B. H.

BRADFORD, PA.—Trade exceeded by 50 per cent. all former years. The main call was for flowering plants, ferns and palms, of which we were well stocked. Cut flowers were in moderate demand; there was a scarcity of these, but we managed to fill all orders. A large amount of holly was sold in Bradford, exceeding four-fold all former years. Good prices were obtained for everything.—W. C. R.

NEW BEDFORD, MASS.—Christmas trade was 10 per cent. better than last year's. Carnations, colored roses and violets were the flowers mostly called for. In plants azaleas, colored primroses, cyclamen, solanums, with Begonia Gloire de Lorraine; all sold well and at good prices. I had a good clean stock, which brought the following prices: Tea roses, $3 a dozen; carnations, 75c.; violets, $3 per 100.—E. Y. P.

SAVANNAH, GA.—Trade with us in comparison with that of our more fortunate brothers in the East and West was very insignificant; not one single flower was left unsold, and what we call good prices here were obtained; that is, Beauty, $4; La France, Kaiserin, Bridesmaid, etc., $1.50 to $2; carnations, 50c. to 75c.; hyacinths, 50c. per dozen. I don't think that in the plant line there were ever as many sold as for Christmas, 1899. Particularly noticeable was the call for higher-priced, that is, larger plants—palms and araucarias especially—but the prices for same were low.—G.

LEXINGTON, KY.—Our holiday trade, as compared with that of former years, went far beyond our expectations. The demand for greens in roping and wreathing was unusually large. The best selling plants were cyclamen and Pteris tremula ferns, Areca lutescens, Latania borbonica and small rubber plants, potted Roman hyacinths and narcissus, also a great many mixed fern pans for table decorations. In cut flowers carnations took the lead, and Roman hyacinths and narcissus were in great demand. Roses brought good prices and were in good supply. Poinsettias were scarce and in great demand. All our florists report a flattering increase in business over former years.—A. & Co.

ST. JOSEPH, MO.—Christmas trade was all right. The supply of cut flowers was about equal to the demand. Some few Romans and white carnations were to be found after the wind up Christmas night. Bride, Bridesmaid, Perle and Meteor roses sold at from $3 to $3.50 per dozen; Beauty, $6 to $12; carnations, $1 to $1.50 per dozen. There was a good demand for holly and holly wreaths; wreathing and ground pine was rather slow sale, very little wild smilax was disposed of. Potted hyacinths, azaleas and primroses were in demand. Many bought plants because they were cheaper than cut flowers. Everybody seemed satisfied with the week's sales. New Year's sales were very light. Little better than those of an ordinary day.—J. N. K.

NEW ORLEANS, LA.—Christmas and holiday trade was very satisfactory. Good flowering and foliage plants sold well; there is always a demand for first-class plants at Christmas. Christmas trees sold fairly well. Carnations and roses were too dear for our people, very few of whom can understand the Christmas prices asked. Living in this climate, with Spring weather, one does not think much about the zero temperature, where most of these flowers are grown. One of our leading florists remarked that he hoped the people here would soon get on to it, as there is very little in the business, when one has to help pay for the large coal bills North, by buying stock for this climate. Beauty was scarce. Bride and Bridesmaid, best stock, brought $2.50 to $3.50; carnations, $1 to $2 per dozen. Holly sold well; mostly Southern grown. Bulbous stock is just coming in.—H. P.

Montreal.

Trade Notes.

Business during the past week has been dull, probably the reaction of the holiday trade. Cut flowers plentiful and are now of very good quality—thanks to the bright weather prevailing, but the variety is very limited, roses, carnations, Romans and a few Paper Whites being about all in sight. In flowering plants there is a scarcity just now; but the demand also is very light. Prices have fallen considerably below the Christmas level.

A Deplorable Accident.

During the night of December 30, while the temperature was away below zero and a strong wind blowing, the boilers on Harris & Hopton's place gave out and everything was frozen. George Hopton, the active member of the firm, was himself on duty at the time, which was about 9 o'clock at night. The establishment, which was erected by A. Marten & Sons a couple of years ago, consists of seven houses, each 100x20 feet, and was taken over by Harris & Hopton last Spring. Two of the houses were planted with roses; two with carnations; one with violets; one contained about 5,000 lettuce, just ready for the market; the other 700 spleadid strings of smilax and 10,000 geraniums in thumb pots, with a great deal of stock in the propagating bed. The night was so cold that 20 minutes after the leak opened everything was frozen. The only thing saved was a few cut flowers—roses and carnations. At present it is their intention to leave all closed until early Spring and then start with young stock. One curious feature of the affair was that the boiler was tested only three weeks before up to 90 pounds, while at the time of the burst the boiler was only carrying 20 pounds of steam. Messrs. Harris & Hopton have the practical sympathy of the entire craft in this vicinity.—B.

Toronto.

Trade News.

Business continues very good, with stock a little more plentiful, a little cheaper and considerably better. Harry Dale and John H. Dunlop are sending in some fine roses, and Miller & Sons fine carnations from their new seedling varieties. Violets are coming in better, Princess of Wales and California being very good. Some very fine valley is arriving and a few tulips, the latter being of rather poor quality. There appears to be too many Roman hyacinths and Paper White narcissus around; they are not much called for except for funeral work. T. M.

Syracuse, N. Y.

The Central New York Horticultural Society had a complimentary entertainment on Friday evening, January 12. R. B. Bard, of Quinlan & Co., read a paper on rose culture. The officers of this society are: S. T. Betts, president; N. H. Chapman, secretary; David Campbell, treasurer. Vice-presidents—A. C. Fobers, A. D. Perry, M. E. Driscoll, E. A. Powell, C. W. Snow, A. C. Chase. Executive Committee—L. E. Marquisee, C. A. Phillips, George Ham, Peter Kay, P. H. Ebeling and John Roberts.

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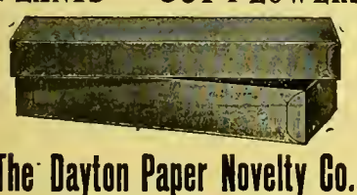
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A Treatise on the Growing and Marketing of Violets for Profit.
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THE WORK IS THOROUGHLY PRACTICAL AND DISCUSSES FULLY:
Varieties and their Origin.
Localities where the Crop is likely to Prove Profitable.
Requirements for Success.
Construction of Houses and Frames.
Manures and Fertilizers. Heating Houses and Frames.
Picking, Bunching and Marketing. Soils and their Preparation.
Propagation, Selection, Planting, Watering, Cleaning and Feeding.
Diseases and their Treatment.
Insect Enemies and Methods of Combating Them.
Cost of Producing the Crop. Profits, Etc.
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Washington.

W. R. Smith has been confined to his house for the last ten days. He is now on the mend.

J. H. Small, the senior member of the firm of J. H. Small & Sons, recently suffered a severe stroke of apoplexy. His many friends will be pleased to learn that he is now out of danger.

Trade Conditions.

Although in the height of the season, there is no more work doing than what will keep the flower dealers ordinarily busy. Violets are said to be scarce and all other flowers plentiful.

G. W. O.

Baltimore.

The Market.

There is a decided dullness in trade; carnations are very plentiful and roses of medium grade are also abundant. Stock moves slow.

Club Meeting.

A very enthusiastic club meeting was recently held. Some enterprising restaurant keeper had offered the club the use of a hall, free of cost, in consideration of the patronage supposed to result therefrom. One esteemed member placed himself on record in a great oratorical effort against such a suggestion, and in consequence the proposition died a natural death. The show committee made its final report, and announced that we had come out even in our finances. The boys at once settled upon holding a Spring show.

Notes.

It is rumored that one of our wealthier citizens intends to embark in the growing business. Success to him.

Charles Seybold, as laudscape architect, of Baltimore, is receiving the indorsement of the craft. No better man could have been selected.

There seems to be a general demand for positions under the City Government. All sorts of democratic gardeners are applying for appointments.

The Park Board will soon be changed, with full power to act on all parks and squares, as against the past custom, where each square had its particular commissioner, all of whom had their say.

I. H. Moss is considered now an expert carnationist.

The Florists' Exchange did its largest business this year. The following are its officers: I. H. Moss, president; Wm. Fraser, treasurer; Edwin A. Seidewitz, secretary. EDWIN A. SEIDEWITZ.

Cincinnati.

Business Quiet.

Business experienced the usual slump after the holidays, and everything has been very quiet during the past week. Stock was sufficient to fill orders. A few of the poorer grades of carnations went to waste.

The News.

W. A. MacFadden has reported to the police that an emerald ring, valued at $150, has been stolen from his residence.

George S. Bartlett has gone to Chicago on business for a few days.

R. A. Betz & Co. have opened a shop in the city for the manufacture of wire work for florists. James Griffith, who for years has been engaged in this particular business here, has been obliged to retire for a time at least, owing to failing health.

The next meeting of the Florists' Society, will occur Saturday, January 13. The exhibition will be a violet exhibit, with cyclamen, roses and carnations in connection. E. G. G.

Buffalo.

Trade News.

Matters have taken on a normal condition very decidedly. Some moderate-sized social functions, as the use of flowers go, have materially helped business from being dull in some lines. With carnations still showing a comparative scarcity the supply of flowers is materially improved both in quality and quantity, and the store windows are being decked prettily.

Adams had a window display of primroses on Saturday, with placards freely drawing attention to a special price on them. A few cyclamens of medium character are seen in bloom here and there.

The Carnation Convention.

A lively interest will no doubt be taken, locally, in the coming convention of carnationists here next month. We understaud a well adapted hall in one of our office buildings has been secured. It is provided with both freight and passenger elevator, service and is centrally located. VIDI.

HAVE RICH MELLOW LAND. That condition is sure to follow thorough draining with JACKSON'S Round



AGRICULTURAL DRAIN TILE. For 45 years we have been making these and Sewer Pipe, Red and Fire Brick, Oven Tile, Chimney and Flue Linings and Tops, Encaustic Sidewalk Tile, &c. Supply Mortar Colors, Plaster, Lime, Cement &c. Write for prices. John H. Jackson, 99 3rd Av. Albany, N.Y.

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FIRST QUALITY.		CREAM COLOR.	
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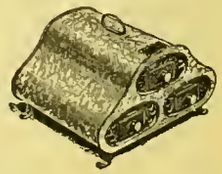

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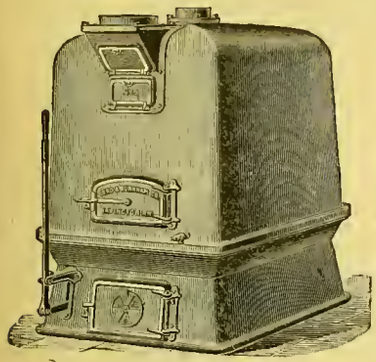

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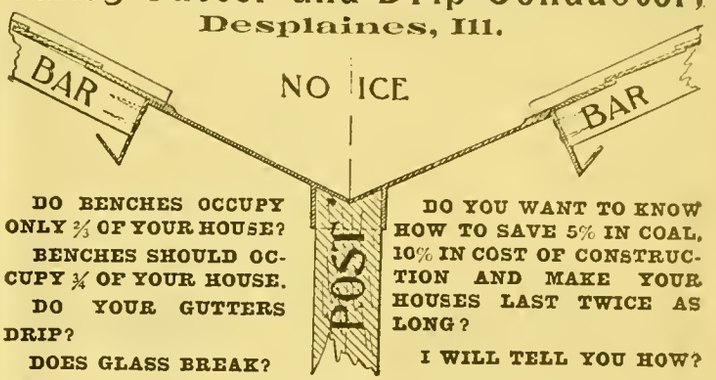

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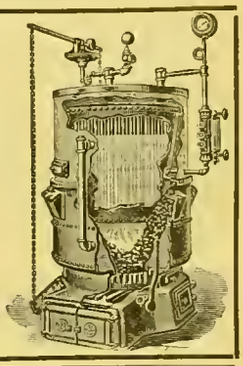

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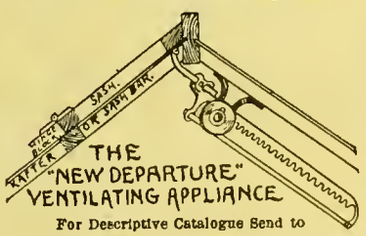

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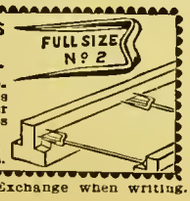

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Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $3.00 to $10.00 ea.
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4 inch pots.....	$2.50 per doz ;	$20.00 per 100.
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Well set with buds, can be brought into flower for February and March (Easter).
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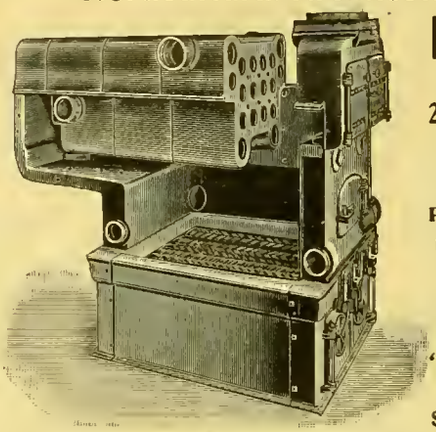

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PELARGONIUMS, in 6 best commercial varieties, mixed, from 3 inch, $3.00 per 100, an from 4 inch, $6.00 per 100.
J. G. EISELE, - Philadelphia, Pa.
20th AND ONTARIO STS.
Mention the Florists' Exchange when writing.

FERNS. FERNS.
This year we have a fine lot, all in the best possible shape, a good variety and nice, bushy stock, 2¼ in pots, $3.50 per 100; $30.00 per 1000; packed in pots, 50 cts. per 100 extra, express paid to New York.
H. WESTON & BRO., Hempstead, L. I., N.Y.
Mention the Florists' Exchange when writing.

HEADQUARTERS FOR
Palms and Ferns.
Fine, clean home grown stock; grown cool. Give us a trial order and be CONVINCED.
J. B. HEISS. The Exotic Nurseries. Dayton, Ohio.
SEND FOR PRICE LIST.
Mention the Florists' Exchange when writing.

POLYSTICHUM WOLLASTONI LACE FERN
The finest CUT FERN for designs, also ferneries, etc., increasing every year in worth; can be planted between smilax; the dozen, good fronds, from 21 to 30 in. length, market price, $1 00; 100 young plants, size No. 1, $1 00; size No. 3, $8.00. Sample box, by mail, containing two sizes, 12 plants, $1.00. Cash with order, please. Cultural direction on application.
ALBERT KNAPPER, Frankfort, Phila., Pa.
CLEMATIST.
Mention the Florists' Exchange when writing.

Nephrolepis Washingtoniensis "ERECTA"
For Half-tone Cuts and Description see page 1200, December 2 issue.
There is no other fern in its class so distinct and majestic and sure to have a great future as well for a pot or decoration plant, or for cutting of its grand fronds of 5 to 6 feet length. Its only rival will be the variety
Nephrolepis Washingtoniensis "PENDULA,"
Of which a half-tone cut appears on page 1253, December 16 issue, of the FLORISTS' EXCHANGE, and of which all the stock is in my possession and will be offered for sale next Summer. Of the first-named variety I have the best and largest stock, several thousand plants of different sizes. Prices for $1.00, free by mail, 5 well rooted runners, or 4 strong, 2½ inch pot plants; strong, 4 inch pot plants, 3 feet high, 50c. each; larger ones, $1.00 to $5.00 each. For other stock see former ads.
Mention this paper. N. STUDER, Anacostia, D. C.

PTERIS DEWEYANA.
A MOST desirable new fern, now offered for the first time, by the raiser, J. H. Ley. It is a most distinct cross between P. Cretica Albo-lineata and P. Serrulata. Habit dense and very dwarf; fertile fronds, erect, smooth and narrow, barren fronds very bright and beautifully undulated; produced in quantity, never rusts, hard, and grows very freely from spores.

12 fine plants, 3 inch pots		$3.00
100 " "		20.00
12 good plants, 2 inch pots		2.00
100 " "		15.00

Six latter mailed, $1.00. With balls of roots undisturbed.
JOHN H. LEY, Good Hope, - - WASHINGTON, D. C.
Mention the Florists' Exchange when writing.

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant.

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL.

Vol. XII. No. 3. NEW YORK, JANUARY 20, 1900. One Dollar Per Year.

If you have not already done so, you should plant NOW

FOR EASTER FORCING

Spiræa Compacta Multiflora

and Astilboides Floribunda,

The two finest varieties for this purpose. We offer fine, strong clumps, at $4.00 per 100. Case lots, 350 clumps to the case, $12.00 per case.

We still have on hand a FEW CASES of **LILY OF THE VALLEY**

Extra quality three-year old German Pips, in case lots (2500), $20.00; in less quantities, $10.00 per 1000.

FINEST NAMED HYACINTHS $5.00 per 100; $45.00 per 1000.

Bulbs are in first-class shape, and if potted now will make first-class stock for Easter forcing, as Easter is late this season. We can supply at the above named price the following varieties, viz., Gigantea, Gertrude, Norma, Grand Maitre, Grandeur a Merveille, Baron van Thuyl, piuk, Mme. Van der Hoop, La Peyrouse, Pieneman, etc.

We have also a large variety of **NAMED TULIPS** For Easter and Late Forcing.

As it is late in the season, we offer these at greatly reduced prices in order to close out surplus stocks remaining unsold; can supply fine varieties as low as $5.00 per 1000. List of varieties and prices of same on application.

We also have a few thousand exceptionally fine, extra selected

Mammoth Double-Nosed, or Top-Root VON SION NARCISSUS

Which we offer at $20.00 per 1000. While this price may seem somewhat high, we are certain that our customers who are buying the stock will be more than satisfied with it, as it is gilt-edged stock in every respect, and cheap at the price quoted, viz., $20.00 per 1000.

Send for our list of surplus stock, which we are offering at very low prices to close out what we have left on hand—in many cases for less than cost. Stock is a bargain at prices offered, to any one who has use for same.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

PLUMP BULBS AT PLEASING PRICES FOR PRESENT PLANTING.

No Juveniles but fully matured Seniors.

Gladiolus.—All First Size Bulbs.

Gladiolus. All colors, mixed. This mixture will be found to contain a liberal percentage of white and light kinds and equal to some of the best mixtures sent out. The bulbs are a little irregular in shape, which does not interfere with their flowering qualities in the least. Per doz., 15c; a 100, 75c.; 1000, $6 50.

American Hybrids. Mixed. This mixture is grown especially for us and can be recommended for florists' use. The bulbs are all selected and contain at least more than 50 per cent. white and light types. Per doz., 20c; per 100, $1.15; per 1000, $9.50.

White and Light Varieties. Mixed. There is no better mixture of white and light Gladiolus than this sold, no matter what price is paid. The bulbs are all selected and large and the varieties the best and most suitable for florists' use. Per doz., 25c.; per 100, $1 50; per 1000, $12 50.

Begonias—Tuberous Rooted.

The fact of our being the American agents for one of the most important European growers of this useful bulb, enables us to offer the choicest stock at figures unapproched by dealers.

Single Flowers. White, pink, red, yellow and scarlet; separate colors or mixed. Bulbs 1¼ in. and up in diameter. Each 5c.; per doz., 35c; per 100, $2; per 1000, $17.50.

Double Flowers. Each, 10c; per doz., 65c.; per 100, $5; per 1000, $45.00.

Richardia alba maculata. Spotted Calla 45c. per doz.; $3 per 100; $25 per 1000.

Amaryllis Johnsoni. Very large bulbs, 7 to 9 in. and over. $1 50 per doz.; $10 per 100.

Amaryllis Rosea. Large bulbs. 35c. a doz; $2 a 100; $15 a 1000.

Hyacinthus Candicans. Large bulbs, 20c. per doz; $1 50 per 100.

Madeira Vine Roots. 25c. per doz; $1 50 per 100; $10 per 1000.

Cinnamon Vine. Mailing size. 30c. per doz; $2 per 100. Extra size. 40c. per doz.; $2.50 per 100.

Caladium, or Elephant's Ear.

Sound bulbs, with good, live centre shoots.

Caladium Esculentum. 5 to 7 in. in circum. 40c. per doz; $2 25 per 100; $20 per 1000. 7 to 9 in. in circum. 60c. per doz., $3.75 per 100; $35. per 1000. 9 to 12 in. in circum. $1. per doz; $7. per 100; $60. per 1000. 12 in. and up, circum. $1.50 per doz; $10. per 100. **Fancy leaf** varieties, fine assortment, $1 25 per doz.; $7 50 per 100.

Cannas—Dormant.

We are Headquarters.

All leading and popular varieties. Full list on application. 5c. each; 35c. per doz.; $2 per 100; $15 per 1000.

Tuberose Double Pearl.

Bulbs measuring 4 to 6 in. in circumference, extra quality, 75c. per 100; $6 50 per 1000. 3 to 4 in. bulbs. 50c. per 100; $3 75 per 1000, or barrel of 2000 bulbs for $7.

Dahlias.

Whole Dry Roots, Field Grown. Double mixed varieties, dwarf and tall. $5 per 100; $42 50 per 1000.
Double, named, assorted $6 a 100; $55 a 1000.

Cloxinias.

Bulbs of large size, measuring 1½ to 3 in. in diameter.

Finest Mixed. 50c. per doz.; $3 per 100; $27 50 per 100.

Separate Colors. White, red, blue and spotted. 60c. per doz.; $4 per 100.

CLUCAS & BODDINGTON CO.,
342 WEST 14th STREET, Telephone 461 18th. **N. Y. CITY.**
Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS.

ORDERS BOOKED NOW In order of receipt, for Rooted Cuttings of the Famous....

Mrs. Thomas W. Lawson,

The $30,000 Queen of **CARNATIONS** FOR SPRING DELIVERY.

COMMENCING FEBRUARY 1st, 1900.

Prices:	
Per dozen	$3
Per 100	$14
Per 1000	$120
Per 5000	$500
Per 10,000	$800

TERMS: Strictly Cash, or C.O.D. from Unknown Parties.

The quoted prices are for THE TRADE ONLY, and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower,

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

Thos. F. Galvin 124 Tremont St., BOSTON, MASS.

NEW CARNATIONS

We are now ready to take orders for

STRONG ROOTED CUTTINGS.

GEN. MACEO. Most profitable dark carnation.

G. H. CRANE. Most profitable scarlet carnation.

GLACIER. Good side bench, white.

MORNING GLORY. Deeper and better shade than Daybreak.

Above at $1 per doz.; $6 per 100; $50 per 1000.

GEN. GOMEZ. Best selling crimson.

MRS. G. M. BRADT. Best selling fancy sort.

Above at 75c. per doz.; $5 per 100; $40 per 1000.

WHITE CLOUD. Finest white to date.

GOLD NUGGET. Good deep yellow.

Above at 50c. per doz.; $1 per 100; $30 per 1000.

MRS. JAS. DEAN. The finest fancy piuk, $3 per 100; $25 per 1000.

MRS. THOS. W. LAWSON. The famous $30,000 pink, $3 per doz.; $11 per 100; $120 per 1000.

OLYMPIA. A rival to Mrs. Bradt, $2 per doz.; $12 per 100; $100 per 1000.

THE MARQUIS. A rival to Mrs. Lawson.

GENEVIEVE LORD. A grand pink, style of Mrs. Dean.

ETHEL CROCKER. Another fine piuk that promises to be very profitable.

Above at $2 per doz.; $10 per 100; $75 per 1000.

25 at 100 rate.; 250 at 1000 rate.

We have fine large healthy stocks and will deliver only fine, strong well rooted cuttings.

Send your Orders early.

C. W. WARD, Manager.

THE COTTAGE GARDENS, Queens, N. Y.



IT IS TIME YOUR SEED

SHOULD BE SELECTED.

Write for our Complete List of Seeds for Florists' Use.

WAS GROWING.

WM. ELLIOTT & SONS, 54 and 56 Dey St., New York.

Mention the Florists' Exchange when writing.



Mushroom SPAWN

JUST RECEIVED.

Price, 10 lbs., $1.
" 100 lbs., $7.

For varieties and prices on Spring Seeds and Bulbs see page No. 52 this issue.

STUMPP & WALTER CO., 50 BARCLAY ST., NEW YORK.

Mention the Florists' Exchange when writing.

NOW IS THE TIME TO BUY

VERBENA SEED—Mammoth flowering, choicest mixed, 50c. per ¼ oz.; per oz., $1.50.
ASPARAGUS PLUMOSUS NANUS SEED—(Home grown), $1.00 per 100 seeds, $9.00 per 1000 seeds.
ASPARAGUS SPRENGERI SEED, New Crop—75c. per 100 seeds; $6.00 per 1000 seeds.

HENRY F. MICHELL
1018 Market St., Phila.
WHOLESALE PRICE LIST OF SEEDS, BULBS &c. ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS.

GERMAIN FRUIT CO.'S

California Grown Seeds.

SPECIALTIES:

Wax Beans,	Cosmos,	Onion,
Lima Beans,	Verbenas,	Lettuce,
Salt Bush,	Asters,	Celery,
Bermuda Grass,	Tree and	Carrot,
Johnson Grass,	Shrub Seeds.	Parsnip,
Sweet Peas,		Salsify.

Calla, Freesia, Amaryllis Bulbs, Pampas Plumes. Correspondence Solicited.

LOS ANGELES, CAL.

Mention the Florists' Exchange when writing.

"HOW TO GROW MUSHROOMS"

The most practical treatise on this interesting subject ever written.

ONLY 10 CENTS. Published by

AMERICAN GARDENING, 136 Liberty St., NEW YORK, N. Y.

Mention the Florists' Exchange when writing.

SEEDS

Plants and Bulbs

Wholesale and Retail Catalogues

Florists' Seeds a Specialty.

JAMES VICK'S SONS, Rochester, N.Y.

Mention the Florists' Exchange when writing.

Our Wholesale Price List of

Choice Flower Seeds

FOR FLORISTS

Is now ready. A post card will bring it to you. We have still on hand some of our

Lily of the Valley Pips

The finest that come to this country. Per 1000, $10.00. Cases of 3000 at $9.00 per 1000.

J. M. THORBURN & CO.,
36 Cortlandt Street, NEW YORK.

Mention the Florists' Exchange when writing.

Branching Aster Seed

White, Pink, Purple, Rose and Lavender. Separate colors, 75 cts. per oz. 1899 stock.

J. G. KEELER,

2 Fountain Street, ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

PALM SEEDS

FRESH ON HAND.

	100	1000	3000
Phœnix Tenuis	$0.75	$5.00	$13.50
" Pumila	1.00	8.00	22.50
Pandanus Utilis	1.25	10.00	27.50
Asparagus Plum. Nanus, true	1.25	9.00	26.50
" Sprengeri	.75	6.50	18.00

L. J. SCHILLER, 404 E. 34th Street, New York.

Mention the Florists' Exchange when writing.

We are Headquarters for

ROCKY FORD

Cantaloupe Seed. We Solicit Your Orders

BARTELDES & CO., Denver, Col.

Mention the Florists' Exchange when writing.

TUBEROSES=The Pearl

Size, 4 to 6 inches circumference,

Per 1000, **$6.50 Net.**

CASH WITH ORDER.

HULSEBOSCH BROS., Englewood, N. J.

Mention the Florists' Exchange when writing.

EMERSON C. McFADDEN,

Wholesale Grower and Importer,

PLANTS BULBS AND SEEDS.

United States Exotic Nurseries,

SHORT HILLS, N. J.

TRADE LISTS ON APPLICATION.

Mention the Florists' Exchange when writing.

ASTER—Semple's Branching. Large trade pkt. Oz.

White, Pink, Lavender, Crimson, choice,	$0 25	$1 50
Mixed, choice seed	25	1 00
MIGNONETTE, Machet, select strain	15	50
" Defiance, very large spikes	25	75
SALVIA Splendens (Scarlet Sage)	25	1 25
LOBELIA, Crystal Palace Compacta, dwf. blue	25	2 00
STOCKS, Cut-and-Come-Again	25	2 50
SWEET PEAS, all the popular kinds		05

☞ Write for my prices on what you want.

Wm. H. Brunning, Seed Merchant and Grower, **Rahway, N.J.**

Mention the Florists' Exchange when writing.

The Finest COSMOS in the World.

Splendid New Varieties, "PINK BUTTERFLY" and "WHITE POND LILY."

Grand older varieties: **Giant Red, Pink, White,** separate and mixed; **Tints of Dawn, New Marguerite Cosmos, Fringed, Orange, Yellow, Dreer's "Early Dawn,"** and all the older varieties.

GRAND NEW GIANT WHITE POPPY, "MAID OF THE MIST."
NEW DIANTHUS, "ORIENTAL BEAUTIES."

Seaforthia Elegans, fresh crop. Smilax, fresh. Other seeds in variety.

SEND FOR TRADE LIST TO

MRS. THEODOSIA B. SHEPHERD, = Ventura=by=the=Sea, Cal.

Mention the Florists' Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

WHOLESALE PRICE LIST FOR FLORISTS AND MARKET GARDENERS

Mention the Florists' Exchange when writing.

ASTER SEED

Tall branching, mixed, choice strain. 75 cts. per ounce

Mignonette Seed. Allen's Defiance, $1.00 per ounce.

Pansy Seedlings. Reck's Strain, 35c. per 100. $3.50 per 1000.

Cash with order from unknown parties.

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing.



FERN BALLS

There is **MONEY** in them.

Splendid for **EASTER** if started now.

	Each.	Doz.	100.
We offer three sizes:			
6-7 inch diameter	$0 50	$4.00	$30 00
7-8 " "	.60	5.00	35.00
Monsters, Extra fine, 1 ft. diameter	.75	8.00	65.00

These latter when in foliage are a grand sight.

Look up our ad. of Jan. 13th, and watch for Jan. 27th.

Send for **NEW LIST** of all BULBS, SEEDS, Etc.

Ready Now.

ASPARAGUS—	100	1000
Plumosus Nanus	$1.00	$9.00
Sprengeri	.75	6.00

H. H. BERGER & CO.,
47 Barclay St., NEW YORK.

Mention the Florists' Exchange when writing.

RAWSON'S Arlington Tested Seeds

Are now well known to some florists, we want them known to all florists. Special price list sent on application.

W. W. RAWSON & CO., Boston, Mass.
12 and 13 Faneuil Hall Sq.

Mention the Florists' Exchange when writing.

DANISH CAULIFLOWER SEED.

Early Dwarf Danish Snowstorm, selected up by my grower for a quarter century. Always uniformly good, solid, large white heads and early.

No matter what you pay, you cannot get a finer strain. Oz., $2.50. Sample free.

Fringed Hollyhock, Allegheny, new, oz., $2.00.

Prices on quantity on application.

A. E. WOHLERT, Importer, Altoona, Pa.

Mention the Florists' Exchange when writing.

SEEDS for Profit

FLORISTS' FLOWER SEEDS **Sweet Peas**

Wholesale Catalogue on application.

WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., New York City.

Mention the Florists' Exchange when writing.

COX SEED CO.

Wholesale Seedsmen

14 & 16 Ninth Ave., NEW YORK.

411, 413, 415 Sansome St., SAN FRANCISCO.

Mention the Florists' Exchange when writing.

ESTABLISHED 1878.

Tested Flower Seeds FOR SEEDSMEN AND FLORISTS

ASTER Semple's True Branching, mixed, large trade pkt , 20c ; 50c. per oz. Semple's Shell Pink, white and red, large trade pkt., 25c.; per oz., 75c. Imp. Peony Flowered Perfection, mixed, large trade pkt., 25c.; per oz., 75c.; Imp. Victoria, mixed, large trade pkt., 25c. ; per oz., $1.25.

AMPELOPSIS VEITCHII per oz., 10c.; per lb., 75c.

CLEMATIS PANICULATA (Fine stock) large trade pkt., 15c.; per oz., 50c.; per lb., $5.00.

COBAEA SCANDENS (New crop) large trade pkt., 10c.; per oz., 30c.

DOUBLE DAISY Choice German, mixed, large trade pkt., 30c.; oz., $2 00

LOBELIA Crystal Palace Compacta (true) large trade pkt., 25c.; oz., $1.50.

MIGNONETTE Machet (true) large trade pkt , 10c. per oz., 40c. Defiance (true) large trade pkt., 25c.; per oz., 75c.

NASTURTIUM Tom Thumb, mixed, (new crop) per oz., 10c.; per lb., 50c.; per 100 lbs., $15. Tall, mixed (new crop), per oz., 10c.; per lb., 45c.; per 100 lbs., $40

PANSY Johnson & Stokes Kingly collection (prize strain), large trade pkt., 50c.; per oz., $5.00.

SALVIA SPLENDENS (Floracroft strain), large trade pkt , 20c. ; per oz., $1.00; per lb., $12.00.

SMILAX, per oz., 30c.; per lb., $2 50.

VERBENA Mammoth Mixed. Large trade pkt., 25c.; per oz., $1.00.

Seedsmen, **JOHNSON & STOKES,** 217 and 219 Market St., **PHILA., PA.**

Mention the Florists' Exchange when writing.

VAUGHAN'S FLOWER SEEDS.. FOR PRESENT SOWING

Strictly high class, new crop flower seeds of choicest, most carefully selected strains, for florists' use.

PANSY, VAUGHAN'S INTERNATIONAL MIXTURE, which is better now than ever. Trade pkt., 50c.; ¼ oz., $1.50; ¼ oz., $2.50; oz., $10.00.

PANSY, VAUGHAN'S GIANT MIXTURE, contains all the separate colors of Trimardeau, Cassier, Bugnot and a number of new colors. Trade pkt., 25c.; ½ oz., 60c.; ¼ oz., $1.00; oz., $4.00; ¼ lb., $14 00.

PANSY, TRIMARDEAU, mixed. Trade pkt., 10c., ¼ oz., 30c.; oz., $1.00; ¼ lb., $3 00.

PANSY CHICAGO PARKS MIXTURE. trade pkt., 10c.; ½ oz., 30c.; oz., $1.00; ¼ lb., $3.00.

BROWALLIA SPECIOSA MAJOR (Giant Browallia). Trade pkt., 25c.

DAISY, VAUGHAN'S MAMMOTH WHITE, MAMMOTH PINK AND MAMMOTH MIXED. Each, trade pkt., 25c.

DAISY, SNOWBALL AND LONGFELLOW. Each, pkt., 15c.

CENTAUREA GYMNOCARPA. Trd. pkt. 10c.; oz. 40c.

CENTAUREA CANDIDISSIMA. 1000 seeds, 25c.; oz., $1.00.

DRACAENA INDIVISA. Oz., 30c. lb., $2.50.

FERN SEEDS, Adiantum, Nephrolepis, Pteris, etc. Trade pkt., 50c.

HELIOTROPE, LEMOINE'S GIANT. Trd. pkt., 25c.

LOBELIA SPECIOSA. Trade pkt., 10c.; ¼ oz., 25c.

" **CRYSTAL PALACE COMPACTA.** Trade pkt., 25c.; ¼ oz., 50c.

LOBELIA BEDDINGE QUEEN, deep blue. Pkt., 25c.

" **WHITE LADY.** Dwarf white. Pkt., 15c.

" **SUTTON'S GEM.** White, pink or blue. Each, trade pkt., 20c.

MIGNONETTE MACHET, true. Pkt., 10c.; oz., 40c.

DAISY BISMARK, new. An improved Machet. Pkt., 15c.; ¼ oz., 30c.

PETUNIA HYB , BLOTCHED AND STRIPED. Trade pkt., 10c.; ¼ oz , 25c.

PETUNIA, "VAUGHAN'S BEST" Mixture of large-flowering, none better, includes all the fringed sorts, as well as Giants of California and other choice strains. Trade pkt. (1000 seeds), 50c.; 3 pkts. for $1.25.

PETUNIA, VAUGHAN'S DOUBLE MIXED, extra fine, 600 seeds, $1.00.

PETUNIA, DOUBLE WHITE AND DOUBLE FRINGED WHITE Each, 250 seeds, 50c.

PRIMULA FORBESI. "Baby Primrose." 500 seeds, 25c.

PRIMULA FORBESI COMPACTA, new, 500 seeds, 35c.

SALVIA SPLENDENS. Clara Bedman. Pkt., 25c.

" " Drooping Spikes, ¼ oz., 25c.

" " New Crimson. Pkt., 25c.

PRIMULA OBCONICA GRANOIFLORA AND ROSEA. Each, trade pkt., 25c.

STOCKS, large flowering, ten-week, white, pink, blood red, crimson, light blue, purple, canary yellow and extra choice mixed. Each, trade pkt., 25t.; any 5 for $1.00.

THUNBERGIA, mixed. Oz., 30c.; pkt., 10c.

TORENIA FOURNIERI COMPACTA AND WHITE WINGS. Each, trade pkt., 25c.

VINCA ROSEA, Alba, Alba Pura and mixed. Each, trade pkt., 10c.; oz., 60c.

VERBENA, MAMMOTH MIXED. Trade pkt., 10c.; ¼ oz., 25c.; oz., $1.00.

VERBENA, white, scarlet, striped, purple. Each, trade pkt., 10c.; ¼ oz., 25c.

VERBENA, "VAUGHAN'S BEST" MIXTURE contains all the best colors and strains of Verbenas that are in existence. It is one of those mixtures like our International Pansy, Best Petunias, etc., that cannot be duplicated elsewhere. Trade pkt., 25c.; ¼ oz., 60c.; oz., $2.00.

We allow a discount of 10 per cent. on orders for flower seeds for $2 00 and over for cash with order.

For other seeds, send for our complete Flower Seed List.

TUBEROSE BULBS!

Excelsior Dwarf Pearl.

True Hallock Strain.

New York—VAUGHAN'S SEED STORE—Chicago

Mention the Florists' Exchange when writing.



Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Chicago, Ill., President; ALBERT MCCULLOUGH, Cincinnati, First Vice-President; F. W. BOLGIANO, Washington, Second Vice-President; S. F WILLARD, Wethersfield, Conn., Secretary and Treasurer.

The Executive Committee of the American Seed Trade Association will meet in Buffalo, at Hotel Broezel, on Thursday, January 25, to arrange the program for the next annual convention, and to decide upon a place of meeting in June next.

European Notes.

How this wearisome season drags its slow length along! Already it is time that some of our earlier sowings had been made, but our time is fully occupied in endeavoring to get the balance of last season's crops into fit condition for travel; while labor on the land has been rendered impossible by the almost continuous rains of the past three weeks. All fear of a water famine is at an end, and the water courses are filled to overflowing. The difficulty in finding accommodation on steamers for your side has become acute, and there seems no probability at present of any amelioration. Rates have also been advanced all round, which makes an inferior service less endurable.

The extraordinary activity in all branches of trade has caused a congestion of traffic on both rail and steamers for European transit; and those houses which have growing arraagements in different countries have been considerably hampered in obtaining possession of their goods. Add to this the fact that many articles, such as capsicum, canna, sugar beet and parsley did not ripen until fully six weeks after the usual time, and a very reasonable excuse for any unusual delay becomes apparent.

As relief to the gloomy picture presented in the foregoing remarks, the enclosed extract from Eckford's new retail catalogue is worth perusal, and will doubtless afford as much pleasure to some of Mr. Eckford's friends on your side as it does to those who on this side have helped to give his unquestionably valuable work a world-wide celebrity:

"The demand for Eckford's Giant sweet peas having increased to such an extent, and having noticed with much regret the hopeless mixture and wrong naming of varieties on exhibition at the principal flower shows in the kingdom, I have decided to grow seed only for my retail patrons, and for future Eckford's seeds are only genuine direct from Wem. It is well known that the cheap foreign seed so freely offered (really, by comparison, dear at any price), is produced in hot countries, lacks constitution, and does not give, by any means, the same splendid results in this country as British grown seed."

Bearing in mind the fact that the sweet pea is a native of hot countries, i. e., Sicily and Ceylon, the cheap sneer at seed produced in hot countries is playing a little low down. EUROPEAN SEEDS.

Our Belgian Letter.

Since my letter of September last the packing and shipping season has passed, and, taken all in all, it was one of the busiest in years. Nearly everything of any value has been sold. There was a considerable shortage in Kentias, in sizes at from 75c. to $1.50 each. Latanias, also araucarias, were in abundance; of the latter the smaller sizes were in greatest demand at from 50c to 75c. and $1.00 each. Araucaria excelsa, ranging in price from $1.50 to $2.00 seem to be ordered in less quantities than in former years. In azaleas, all salable plants have been disposed of, very few fine plants being left for Spring trade. Rhododendrons, especially fancy varieties for pots and forcing, have sold very well; still many thousands of well-budded plants were left over for the Spring, on account of the large quantity budded the past year. It is useful to importers to know that rhododendrons do not set buds so easily as azaleas. When the season is on the rainy side, from July 15 to August, many plants instead of setting bud make a second growth. Such did not happen this year, the Summer being very dry, consequently most rhododendrons are well budded.

On October 6th we had two nights' frost, just enough to kill the azalea buds, which were not covered in time.

Tuberous begonias have been sold by the 100,000 this year, but prices are so low that it is hardly worth the trouble raising this stock.

Most of the exporters have experienced less trouble with the custom authorities this past fall than formerly; still some damage has been reported from parties whose cases were examined by the officers. We here do not see why we should suffer any loss in that direction. We think when the Custom House has the right to inspect the goods it should also be its duty to repack the plants properly and with care. There was much reason for complaint along this line last year.

AUGUST HAERENS.

Publications Received.

The PEACH, compiled by the Kansas State Horticultural Society, Wm. H. Barnes, secretary, Topeka, Kan., tells how to grow your trees; how to plant and care for them; how to fight the enemies of the peach; to gather, pack and market the crop, and how to enjoy peaches in the home.

American Park and Outdoor Art Association, Vol. III, Part II.—Deals with the "Relation of Reservoirs to Parks," by Frederick Law Olmsted, Jr.; profusely illustrated.

Perry Watson & Co.

CALIFORNIAN SEED HOUSE

—SPECIALTIES—

Onion Seed	Sweet Peas	Lima Beans
Lettuce	Cosmos	Salt Bush
Celery	Hollyhock	Bromus Grass
Carrot	Verbenas	Bermuda "
Salsify	Asters	Johnson "
Parsnip	Mignonette	etc.
etc.	etc.	

ALL CALIFORNIA GROWN. WHOLESALE ONLY.

SACRAMENTO CALIFORNIA

Mention the Florists' Exchange when writing.

DO YOU WANT THE **BEST?**

We supply Danish grown seed of

Cauliflower and Cabbage Danish Ball Head.

BEST QUALITIES, FINEST STOCK.

CHEAPEST PRICES.

Samples and prices free on application.

L. DAHNFELD, Odensee, Denmark. (Established 1850.)

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Best Quality at Lowest Rates.

ROMAN HYACINTHS,

NARCISSI, FREESIA,

and other French Bulbs for forcing.

BERNARD SON, 29 Boulevard du Musée Marseille, France.

Bulb Grower and Exporter.

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BARGAINS

In **CALIFORNIA PRIVET, AMPELOPSIS VEITCHII, CLEMATIS PANICULATA SHRUBS and GRASSES.**

Write for Prices.

The Elizabeth Nursery Co., Elizabeth, N. J.

Mention the Florists' Exchange when writing.

EXTRA CHOICE FLOWER SEEDS.

List free on application.

FRED. ROEMER, SEED GROWER, Quedlinburg, Germany.

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XXX SEEDS

VERBENA GRANDIFLORA.

The finest strain of Improved Giant Verbenas yet produced, largest flowers and best colors, good percentage white, per pkt., 800 seeds, mixed colors, 50 cts.

CYCLAMEN GIGANTEUM.

The choicest Giant-flowering varieties in best mixture, pkt., 200 seeds, $1.00; half pkt., 50 cts.

CHINESE PRIMROSE.

Best large, single and double, 500 seeds, $1.00

PHLOX DRUM. PUMILA.

New, very dwarf, perfect beauties, excellent for growing in pots for Spring sales, mixed colors, per trade pkt., 20 cts.

PANSY Finest Giant. Choicest mixed Mammoths, 3500 seed; $1.00; ½ pkt., 50 cts.

A pkt. of New Double Early-flowering Dwarf Vienna Carnation added to every order.

JOHN F. RUPP, Shiremanstown, Pa.

The Home of Primroses.

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LILY OF THE VALLEY

Selected Hamburg Pips, per 1000, $10.

Case lots of 2500, for $23.75.

Seeds of **ASPARAGUS SPRENGERI**

$7 50 per 1000 seeds; 80 cts. per 100 seeds.

ASPARAGUS PLUMOSUS NANUS

$10.00 per 1000 seeds; $1.25 per 100 seeds.

Less 10 per cent. for Cash with Order.

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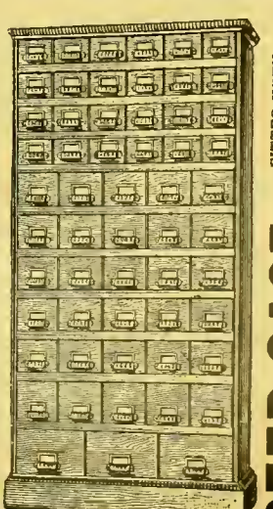

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HELLER & CO.,

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HIGH-GRADE FLORISTS' FLOWER SEEDS

	Trade pkt.	Per oz
Ageratum, Little Dorrit, blue	$0 10	$0 50
" " white	10	50
Lass esuxii, fine rose	10	60
Conspicuum, fine for cutting	10	75
Alyssum compactum, Little Gem		25
Procumbens, White Carpet		25
Antirrhinum (Snap Dragon).		
White	10	35
Striped	10	35
Purple	10	35
Yellow	10	35
Scarlet	10	35
Tall mixed	10	25
Dwarf mixed	10	25
Majus Romeo, deep rose (novelty)	25	
Ampelopsis Veitchii. (Japan Ivy)	10	25
Asparagus, plumosus nanus..per 10 seeds, $1.50		
Sprengeri " " 75		



ASTERS.

Aster, Semple's Branching—White, pink, lavender, purple, crimson	10	75
Mixed	10	60
Queen of the Market—White, crimson, rose, purple, light blue	10	60
Mixed	10	50
Victoria, in six colors	25	2 00
Chrysanthemum, dwarf for pots, in five colors	20	1 50
Balsam, improved camellia flowering, white	25	2 00
Begonia Erfordii, rosy carmine, free bloomer, excellent for groups.....per 1000 seeds, 25c.		
Vernon.....1-16 oz., 50c.	25	
Rex, finest variety, mixed.per 1000 seeds, 75c.		
Semperflorens alba..... " " 25c.		
Rosea ..... " " 25c.		
fol. aureis yellow-leaved " " 25c.		
Calendula officinalis, Meteor		10
Prince of Orange		10
Sulphurea		15

	Trade pkt.	Per oz.
Candytuft, Empress, very large....Per lb., $2.00		$0 20
Carnation, improved Margaret, mixed	$0 15	1 00
Chabauds Perpetual, mixed	25	3 00
Non Plus Ultra, mixed.....per 100 seeds, 35c.		
Dwarf Vienna, fine double, mixed	25	2 00
Very fine double, mixed, hardy	25	5 00
Double mixed	10	50
Centaurea, candidissima	15	1 00
Gymnocarpa	10	40
Suaveolens, yellow Sweet Sultan	10	50
Odorata, light blue "	15	1 00
Chameleon, pink and yellow Sweet Sultan	25	2 00
Margaritæ, white Sweet Sultan	15	1 00
The varieties are very large and sweet scented,		
Emperor William, blue		15
Cobæa Scandens, blue	15	40
Cockscomb, All Aglow	15	90
Glasgow Prize	25	1 50
Cosmos, Mammoth, white	10	75
Pink	10	75
Red	10	75
Early flowering, Dawn, mixed	15	1 25
Dracæna, Australis, in pods	25	2 50
Veitchii, in pods	15	50
Rubra "	15	1 50
Indivisa	10	50
Draco	10	75
Gypsophila paniculata, white	10	25
Grevillia Robusta	15	50
Humulus Japonicus (Japan Hop Vine)	10	25
Ipomœa Mexicana grandif. alba (Moonflower)	10	50
Impatiens Sultana.....per 1-32 oz., 75c.		
Lantana, finest mixed		20
Lobelia, Crystal Palace, compact	20	1 75
Marigold, Little Brownie, dwarf, gold and brown, very fine for pots	10	25
Gold margined	10	50
Lutea, clear yellow	10	50
African, mixed		15
French, mixed, tall or dwarf		15
Mignonette Machet, English seed	10	75
Allen's Defiance, true strain	25	
Mimulus moschatus (Musk Plant)	25	1 50
Nasturtium, finest tall mixed.....per lb., 50c.		10
Finest dwarf mixed..... " 50c.		10
Hybrids Mme. Gunther, very fine mixed		15
Petunia, giant flowering single fringed, mixed.	50	
Double fringed, mixed.....200 seeds	50	
Inimitable striped and blotched, bushy, 5 to 8 inches high, mixed	25	3 00
Phlox, Nana compacta, Firehall	25	2 50
Snowball	25	2 00
Chamois rose	25	4 00
Atropurpurea, purple	25	2 50
Variabilis, variegated	25	3 00
Extra fine mixed	20	1 50
Drummondii Grandiflora, white	15	75
Mixed	10	60
Pyrethrum, Golden Feather	10	40
Salvia nana compacta, Bonfire	25	3 00
Splendens	20	1 25
Silver Spot, new	25	
Scabiosa (Mourning Bride)		15
Candidissima (Snowball)		15
Tall or dwarf mixed		35
Smilax.....per lb., $3.50		
Stocks, dwarf, large flowering, 10 weeks; white, light rose, brilliant red, canary yellow, crimson, shining purple, blood red, light blue, chestnut color, or mixed	25	3 25
Snowflake, fine for forcing white.1-32 oz., 50c.		
Giant Perfection, 10 weeks, white	25	3 00

Sweet Peas. We have 85 varieties of Sweet Peas in stock and should you want any not here listed send to us for quotations. All varieties 5 cents per ounce.

	Per lb.
Blanche Burpee, large, pure white	$0 40
" Ferry, pink and white	40
Blanche Ferry, Extra Early	$0 40
Butterfly, white shaded with blue	35
Capt. of the Blues	40
Countess of Radnor, lavender	40
Emily Henderson, pure white	40
Katherine Tracy, soft brilliant pink	40
New Countess, improvement on Countess of Radnor.	75
Best large flowering, mixed	25

	Trade pkt.	Per oz.
Sweet William, white or mixed		$0 10
Thunbergia, Alata, buff, with dark eye	$0 10	50
Alba, white	10	50
Bakeri, pure white	10	90
Fryeri	10	50
Mixed	10	50
Torenia, yellow (Baillonii)	25	
Blue (Fournieri)	25	
Blue, white wings	25	
The Bride, large flowers, pink and white	50	



VERBENAS

Verbena, Scarlet Defiance.....per ⅛ oz., 20c.		1 25
Extra fine mixed " 10c.		50
Superb Mammoth mixed " 25c.		1 50
Lemon scented " 20c.		1 00
Vinca, alba, rosea alba, rosea or mixed	10	60
Wallflower, double mixed	25	1 25
Single mixed.....per lb., $1.25	10	20
Zinnia, semi-dwarf, double, white	10	35
Golden-yellow	10	35
Scarlet	10	35
Crimson	10	35
Purple	10	35
Violet	10	35
Mixed	10	25

SUMMER-FLOWERING BULBS.

	Per 100.
Begonias, Tuberous Rooted. Single, scarlet, crimson, rose, salmon, yellow, white and mixed.....per dozen, 50c.	$3 00
Double, scarlet, crimson, rose, salmon, yellow, white and mixed.....per dozen, $1.00	5 00
Caladium, Esculentum, 10 to 12 in. in circumference, " 7 to 10 " "	6 00
" 5 to 7 " "	4 00
Cannas, Dormant Roots. Alphonse Bouvier, crimson flower, green foliage.	2 50
Austria, very large yellow, remarkably strong green foliage	2 00
Burbank, new canary-yellow, green foliage	2 00
Chas. Henderson, bright crimson, foliage green	2 00
Chicago, brilliant scarlet	2 00
Columbia, cardinal-red	2 00
Egandale, cherry-red, bronze foliage	2 00
Eldorado, finest yellow, for massing	2 00
Florence Vaughan, yellow, spotted with crimson; very effective	2 00
F. R. Pierson, deep scarlet	2 00
Italia, golden-yellow, marked with scarlet, new	2 50
John White, new, variegated foliage, very fine for vases as well as boxes and a grand bedder	2 00
Mme. Crozy, bright scarlet, bordered with yellow.	2 00
Paul Bruant, dark salmon-red	2 00
Paul Marquant, light salmon-red	2 00

	Per 100
Cannas. President Carnot, orange-scarlet, chocolate-maroon foliage	$3 00
Pierson's Premier, very dwarf, free bloomer, similar to Queen Charlotte, but much better for massing	4 00
Queen Charlotte, brilliant scarlet, with a wide margin of yellow around each petal	2 00
Robusta, very tall bronze, bearing but few flowers, but one of the best for decorative work	2 00
Mixed.....$15.00 per 1000	2 00
Dahlias—Special sorts for florists' use. Pink, yellow, white or red	8 00
Scarlet, cactus	8 00
Yellow, large	8 00
Large flowering or show varieties, 50 named sorts	8 00
Pompon or small flowering, 20 " "	8 00
Cactus dahlias	8 00

A Complete List of Named Dahlias Furnished upon Application.

Gloxinias, extra choice mixed	4 00
Gladiolus—Named varieties. Brenchleyensis, vermilion-scarlet	1 00
Ceres, white, spotted rose	1 00
Eugene Scribe, beautiful rose, variegated	3 00
Isaac Buchanan, yellow	2 00
John Bull, white	2 00

	Per 100	1000
Gladiolus. Le Candeur, white	$4 50	
Lamark, cherry, white throat	2 00	
Marie Dumortier, white, violet blotch	2 00	
Martha Washington, light yellow, of large size, in a well arranged spike, lower petals tinged with rose	2 00	
May, white ground, slightly striped crimson, extra, for florists' use	2 00	
Mme. Monneret, delicate rose	1 00	
Shakespeare, white, suffused carmine-rose, large rosy blotch; best forcing sort and finest of all the Gladioli for florists' use	4 50	
Gladiolus in mixture. light colors, no red or dark color	$2 00	$15 00
Various shades of pink	1 50	12 00
" " scarlet and crimson	1 00	6 00
" " yellow	2 50	20 00
Choice mixtures	1 00	7 00
Extra Selected, a mixture of named varieties, 50 per cent. white and light, fine for forcing	1 50	12 00
Iris Kæmpferi, mixed	4 00	
Hyacinthus candicans, No. 1	2 00	
Madeira Vine	2 00	
Tuberoses, Dwarf Pearl, first size	1 00	7 00
Dwarf Pearl, second size	75	5 00

For other varieties of Seeds and Bulbs, and also Florists' Supplies, see our General Wholesale Catalogue.

STUMPP & WALTER CO., 50 Barclay St., NEW YORK

Mention the Florists' Exchange when writing.

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN

WILSON J. PETERS, Troy, O., President; D. S. LAKE, Sheuandoah, Ia., Vice-President; GEORGE C. SEAGEN, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

Augusta, Ga.—At time of my visit to P. J. Berckmans Co. they were in receipt of a large order from Natal, which is not an unusual thing, their foreign shipments being on the increase and domestic business far in advance of anything yet experienced. The demand for fruits and roses is unabated; evergreens also, particularly their specialty, Biota aurea nana—for one may term this plant such—as I understand close upon 15,000 were sold during this season. The extent of range—Jamaica, West Indies to Wisconsin; it also thrives upon Long Island—showing the general adaptability of this handsome conifer to our soil and climate. Another very handsome species is B. filiformis, being, as its name implies, of a filmy form, giving the plant a graceful appearance. Cedrus deodora is another charming conifer; it is unfortunate our severe Winters affect it as they do. Camellias suffered badly last Winter, but were not killed; this season the trees are laden with buds. Hybrid tea roses are grown in vast numbers and variety. The trial grounds are interesting. Out of several hundred varieties but a few of the new sorts are found worth perpetuating. All kinds make exceedingly strong growths, particularly the climbers. The past dry Summer does not seem to have retarded the plants, but has made them stockier, if possible. Every tree is dug with a machine which raises the roots entire with the smallest fibres; they are then puddled in wet clay in a long trough built for that purpose, then wrapped in moss securely tied, thus insuring almost certain success in transplanting.

Among the large assortment of sub-tropical plants raised under glass, crotons, camellias and fancy-leaved caladiums are done fine; the demand for the latter plant for bedding purposes last season was phenomenal and bids fair to increase. I especially noted two kinds, Sieboldi, green, with predominance of red, a very sturdy grower, and Diaharas, green, with abundance of white. There are also many others worthy of note, being highly colored and very effective.

Greater facilities will soon be effected for shipping, the Seaboard Air Line having located a station in the heart of the grounds, a desideratum long anticipated by Mr. Berckmans, Sr., who, I am glad to say, has fully recovered his former state of health and activity. Louis Berckmans has been very ill, but at last reports was on the road to recovery, after a long siege, which news will be received with pleasure by his numerous friends in the trade. W. M.

Standard Hardy Roses.—The value of any saleable article is largely measured by its degree of attractiveness. In the nursery and florist business this will be found to apply quite as much and more than in other businesses. A plant or flower in particularly nice condition appeals to everyone; and if in some uncommon, yet desirable form, it will find more ready sale. I have in mind the training of roses, such as the Wichuraiana and Crimson Rambler in standard form. In the Old World, standard or tree roses are familiar things, but they are not suitable in this country. The Crimson Rambler makes a heavy growth, suitable for making standards without top grafting. But it is the Wichuraiana that particularly suggests itself as very desirable, although its growth is slender, and would require staking. By nature a trailing rose, it can be readily imagined how graceful and charming would be the drooping branches, falling from a stem 6 or 7 feet in height and trailing the ground. The Rambler is already in use as a standard; but it is safe to say the other has not been attempted commercially. In a measure, the Wichuraiana flowers would prove just as attractive, especially the hybrids, with flowers double and colored.

A Choice of Shrubs.—In previous notes I have taken occasion to speak of the desirability of close preparation for Spring trade in relation to the kind of plants he would handle. Very rarely does it pay the florist to grow his own nursery stock, and he must depend largely on the nurserymen to supply his needs. First, then, what kinds can be had, and what kinds will better suit his trade. One of the first things to have a thought for is a selection that will give flowers blooming at different periods throughout the year. Where only a bush or two are wanted it makes little difference to the purchaser, as a rule, when it blooms. But an assortment of eight or ten and upward, should surely cover the Summer in flowering. How seldom is but secondary attention given it. One could quickly name choice Spring flowers, for they are many—the forsythia, showing for its profusion of yellow flowers preceding the leaves, accompanied by the double-flowering almonds, pink and white; the Pyrus japonica, lilacs and nevinsia (this white, fringe-like flower is not yet known as well as it should be); the silver bell, halesia; fragrant bush honeysuckle, its fragrance and lasting green leaves being its chief and great recommendations. Later come the showy white eochorda, the snowball, weigela, mock orange and deutzia; the rhododen-

AMERICAN ELMS

8 to 10 ft., 1 to 1½ in. caliper. 25 Elms, 6 to 9 in. caliper, fine specimens, well developed heads. Send for price list.

SAMUEL C. MOON, Morrisville, Bucks Co., Pa.

Mention the Florists' Exchange when writing.

CABBAGE PLANTS

Jersey Wakefield and other vars., from cold frame, transplanted, 25 cts. a 100; $1.50 a 1000; $12.50 a 10,000; if by mail, add 20 cts. per 100.

LETTUCE Boston Market, Tennis Ball, Curled Simpson, Grand Rapids, and other vars., 15c. per 100; $1 00 per 1000; $8 50 per 10,000; if by mail, add 10c. per 100.

Other vegetable plants in season. Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.

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SURPLUS FOR SPRING 1900

Can yet do **PEACHES** and **JAPAN PLUMS** in limited quantity; also **MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY, STRAWBERRIES** from best leading varieties.

Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.

ALEX. PULLEN, PROPRIETOR.

Mention the Florists' Exchange when writing.

FRUIT and ORNAMENTAL TREES,

Shrubs, Vines and Roses.

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., Geneva, N. Y.

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THE PINEHURST NURSERIES,

OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.

Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda ulida, Fothergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Dionæa muscipula, Lupinus diffusus, Phlox subulata, Sarracenias, etc., etc. **Ask for Trade Lists.**

Mention the Florists' Exchange when writing.



HAVE purchased the Elgin [illegible] ries, containing more than seven millions of **EVERGREENS**, part on rented land that must be cleared this spring:

Colorado Blue Spruce, 2 to 3 ft....$25.00 per 100
Douglas Spruce, 1½ to 2 ft. ..... 10.00 "
Douglas Spruce Seedlings, 6 to 8 in. 8.50 per 1000
Hemlock Spruce, extra quality, 1½ to 2 ft..... 10.00 per 100
Balsam Fir, 1 to 1½ ft..... 35.00 per 1000
White Pine, 1½ to 2 ft..... 50.00 "
4,000,000 Seedling White Pine, 6 to 8 in..... 5.00 "
Ponderosa Pine Seedlings, 10–12 in. 10.00 "
Six Acres Dwarf Mountain Pine, 3 to 4 ft. good quality, $10.00 per 100; 5c. each in car lots.
Several Million of Arbor Vitæ—In fact everything in the line of Hardy Evergreens, and any size desired. Write at once for Trade List and Special Prices.

D. HILL, Dundee, Ills.

EVERGREEN SPECIALIST.

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EASTER AND SPRING, 1900

Orders Filled and Booked Now for the Fall.

RHODODENDRONS $35.00 to $65.00 per 100.
LILACS in all varieties, for forcing, $15.00 per 100.
H. P. ROSES all true to name, $75.00 per 1000; $10.00 per 100.
CRIMSON RAMBLERS extra, $20.00 per 100.
AZALEA Mollis, from $25.00 to $35.00 per 100. Pontica, from $35.00 to $45.00 per 100.
PAEONIAS in variety, from $10.00 to $15.00 per 100.

GLADIOLUS, The Bride $5.00 to $7.00 per 1000. All colors, mixed, No. 1, $9 00 per 1000. All colors, mixed, No. 2, $5.50 per 1000. Light and white, $14 00 per 1000.
TUBEROSES, The Pearl 4x6, $6 50 per 1000.
GLOXINIAS ERECTA Extra, $40.00 per 1000.
TUBEROUS ROOTED BEGONIAS—Single, separate varieties, $25.00 per 1000. Double, separate varieties, $40.00 per 1000.

All varieties of **LILIES** on hand.

CYCAS REVOLUTA The true long leaf variety, will arrive in April. Write for special prices to

F. W. O. SCHMITZ, Jersey City, N. J.

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TREES

Fruit Trees, Small Fruits, including grapes. Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. **Rochester, N. Y.**

Mention the Florists' Exchange when writing

OAKS 10,000

Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogues on application. Send estimate of wants for prices.

THE WM. H. MOON CO., GLENWOOD NURSERIES, **Morrisville, Pa.**

Mention the Florists' Exchange when writing.

THE STORRS & HARRISON CO., Painesville, Ohio,

Desire to call the attention of Florists and Nurserymen to their 40 acres of **HARDY ROSES,** their complete assortment of **FRUIT** and **ORNAMENTAL TREES** and **SHRUBS,** and their 44 Greenhouses of **ROSES, PALMS, FICUS, FERNS, ETC.**

Correspodence and personal inspection solicited. Trade List and Catalogues free.

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F. & F. NURSERIES

SPRINGFIELD, NEW JERSEY.

Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.

TREES! TREES!

Norway, Sugar and Silver Maples Norway Spruce and Arbor Vitæ.

WM. J. CHINNICK, Trenton N. J.

EDWARD B. JACKSON,

WHOLESALE FLORIST

Hardy Herbaceous Plants Only

In any quantity, for the least money.

STAMFORD, CONN.

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100,000 PRIVET

	Per 1000		Per 1000
1½-2 ft.	$20.00	3-4 ft.	$35.00
2 3 ft.	30.00	4-5 ft.	45.00

Usual Assortment of ROSES, Including Crimson Rambler.

HIRAM T. JONES, Union County Nurseries, ELIZABETH, NEW JERSEY.

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS,	AZALEAS,
SPIRÆA JAPONICA,	LILIUM SPECIOSUM
PÆONIES,	BLEEDING HEART
POT GROWN LILACS,	HYDRANGEA IN SORTS.

CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.

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Grape Vines

Descriptive and Price List free.

Currants, Gooseberries and other **Small Fruit Plants.** Extra quality. Warranted true.

T. S. HUBBARD CO., FREDONIA, N. Y.

A Picture of the....



EXPANSIVE TREE PROTECTOR.

Absolutely prevents all worms and insects from crawling up fruit and shade trees. For agency, territory and prices, address

EXPANSIVE TREE PROTECTOR CO

ROCHESTER, N. Y.

Mention the Florists' Exchange when writing

NORWAY MAPLES.

1 000 8 to 10 feet.
1 000 6 to 7 "
700 4 to 6 "
700 3 to 4 "
100 1 to 2 "

IRISH JUNIPERS.

500 3 to 4 feet.
500 2½ to 3 "
500 2 to 3 "

10,000 Peach Trees, General Assortment

The Maple and Juniper will be sold at very low prices in order to close out.

C. L. LONGSDORF,

Oak Hill Nurseries, Flora Dale, Adams County, Pa.

Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

WANTED position, experienced gardener; best of references. J. Gottschlag, 627 De Kalb avenue, Brooklyn, N. Y.

SITUATION wanted by German florist, single, 27 years' experience, competent in all branches; can take charge. K R., care Florists' Exchange.

SITUATION wanted by a German, all-around florist, with 13 years' experience. Address Wm. Finck, 17 Cambridge street, Boston, Mass.

SITUATION wanted by a German, age 27, experienced grower of ferns, palms, carnations, etc.; strictly sober. K. O., care Florists' Exchange.

SITUATION wanted by a florist and gardener, 17 years' experience, private or commercial; married. North, 9 Sumner street, Plymouth, Mass.

GARDENER and florist wants a position on a private or commercial place; good references; will go anywhere. K. V., care Florists' Exchange.

FLORIST and gardener, 28, German, well up to his trade, wishes position on private or commercial place by 10th of February. K. P., care Florists' Exchange.

SITUATION wanted by experienced rose grower, American, single, over 10 years in present position, want to change; best reference. Address P. O. Box 100, Madison, N. J.

WANTED, to sell on commission, specialties to the florist trade, florists' supplies, etc; 5 years' acquaintance among the trade and visiting them regularly. Address K. W., care Florists' Exchange.

A YOUNG man would like situation on commercial place where he can advance. K. E., Florists' Exchange.

HELP WANTED.

WANTED—Salesman to travel who thoroughly understands nursery business; will guarantee at least $1200 and more to the right person. Apply K. S., care Florists' Exchange.

WANTED grower capable of taking charge of 75,000 feet of glass; also one good greenhouse hand; a good position to the right man. John Irvine & Sons, Bay City, Mich.

A NEW YORK Seed House requires two or three counter hands; must be competent salesmen. Applicants must state age, experience, wages and references. Apply K. N., care Florists' Exchange.

WANTED at once as assistant in greenhouse, a young man with one or two years' experience, state wages wanted with board and room; steady place the year round. A. D. Threbull, 28 Powderly street, Carbondale, Pa.

WANTED a man to take care of three or four rose houses; one who thoroughly understands the work and is not afraid of it; $9 to $10 per week, according to experience and ability; must come well recommended. L. B. Coddington, Murray Hill, N. J.

WANTED. Florist and gardener to work on percentage; board and room found by employer; also all seeds, etc., for garden and greenhouse; one familiar with nursery and landscape gardeo work preferred. The Du Bois Nursery and Greenhouses, Cemetery St., Du Bois, Pa.

FOREMAN wanted to take charge of 50,000 feet of glass; must be competent to handle men and be thoroghly posted on growing and forcing all sorts of blooming plants, also growing of spring bedding stock. Send names of former employers so we can look up your record. Man must be strictly first-class to fill the bill; salary $100 per month. The Park Floral Co., Box 700, Denver, Col.

WANTED AT ONCE.

An assistant to work in greenhouse, one who is not afraid to work; steady job to the right man and good wages; reply in person to A. R. SAMPSON, Summit, N. J.

WANTED.

A good man with flower and vegetable seed experience, good salary and chance for advancement. CLUCAS & BODDINGTON CO., 342 West 14th St., New York.

MISCELLANEOUS WANTS.

WANTED. A few more customers for No. 1 Carnations at wholesale; can furnish from two to three hundred twice a week; write for prices. E. B. Beale, Greenfield, Mass

WANT TO RENT

A range of glass about 20,000 to 30,000 feet, for growing roses and carnations. Houses must be in good condition. Give full particulars. K. G., care this paper.

Mention the Florists' Exchange when writing.

dron and azalea, Spiraæs Van Houttei, Reevesii and Thunbergi. Then follow Spiræas Bumalda and Billardi, both valuable pink flowers. The many varieties of althæa appear in late Summer, in bright colors, filling what would otherwise be a considerable gap. The hydrangea, desmodium and caryopteris, all so different and independently valuable, finish out the season. Just as a number of low growing shrubs are needed, provision must be made to include some of large growth for screening purposes, and the background of shrubbery borders. The following may be named for the purpose: Common and Japanese snowballs, wiegelas, halesia, California privet (makes a pretty specimen as well as a good hedge plant), mock orange, althæa, red-flowered dogwood, Siberian pea, laburnum, smoke bush, lilacs, etc.

Where but two or three specimen shrubs are wanted nothing pleases much better than the following: Spiræa Van Houttei, Japanese snowball, Japanese hydrangea, Desmodium penduliflorum, caryopteris, flowering almonds, weigelas and deutzias. Some with the showiest flowers are not of good appearance, and rarely strike the customer favorably, such as the exochorda, common snowball, mock orange and smoke bush.

S. MENDELSON MEEHAN.

President O. B. Hadwen, of the Worcester (Mass.) Horticultural Society, remarked in his annual address that the taste for shrubs is growing; and this is bound to increase as people see well-planted grounds and learn what can be done in the use of shrubbery.

The New Jersey State Horticultural Society elected the following officers for 1900: President, Henry E. Hale, Princeton; vice-president, W. H. Reid, Freehold; secretary, Henry I. Budd, Mount Holly; treasurer, Charles L. Jones, Newark. Executive Committee—Dr. J. B. Ward, Lyons Farm; E. P. Beebe, Elizabeth; D. A. Vanderveer, Freehold; I. J. Blackwell, Titusville; S. B. Ketcham, Pennington; delegate to the State Board of Agriculture, Jacob B. Conover, Baird, Monmouth County; delegate to National Pure Food Congress, S. B. Ketcham, Pennington. The chairmen elected for the various committees were: Legislative committee, J. B. Ward, Lyons Farm; fruit committee, Charles Black, Hightstown; flower committee, F. C. Goble, Verona; vegetable committee, J. B. Rogers, Newark.

MISCELLANEOUS WANTS.

WANTED, 300 to 500 American Beauty, 50 Testout, 50 Kaiserin, 50 Duchess Albany, 50 E. de Lyon, 50 M. Guillot, all thrifty young 2 to 2½ in. stock Address, with price, Sander's Nursery, 5600 Delmer avenue, St. Louis.

WANTED.

Two hot water boilers, second-hand, in good condition, of 1200 to 1500 feet size. Send price and cut of same. For Sale—One Hitchings boiler of 600 feet capacity, cheap. L. E. HITZ, Madison, Ind.

BUSINESS OPPORTUNITIES.

FOR SALE or rent. A five-room dwelling, barn, small patch of ground, and greenhouse, 20 x 70, partly planted in lettuce and radishes. Florist, Box 761, Muncie Ind.

CHEAP on account of ill health, 6000 feet glass, free fuel; big chance for lettuce or flowers; only $800 cash; balance time. K. J., care Florists' Exchange.

FOR SALE. 400 Geraniums, stock plants, full of cutting, best and latest varieties; 200 Primroses and Cinerarias in bloom, 25 varieties; finest Colens stock plants; 500 Carnations in 5 in. pots; Palms, Ferns, Canna Bulbs, Easter Lilies. Glass, rafters, pipe coils, pots and a Gorton boiler used two winters. The above will be sold cheap. Ed. B. Weber, 400 North 9th street, Reading, Pa.

THE CHANCE of a lifetime.—To let in Newark, N. J., store and four greenhouses adjoining, with a business established nearly 40 years; the whole plant, including store, is heated with Hitchings boilers; trolley cars pass the door every three minutes; small capital only needed, as the business is paying right along. To the right party this is an opportunity that seldom offers. For further particulars apply to Henry Bird, 144 Belleville ave., Newark, N. J.

FOR SALE, very reasonable, the Staatsburgh Greenhouses, one of the finest violet growing plants in this country; the houses are well built with the best cypress wood, glazed with best quality double thick glass, well heated and ventilated; fine supply of water pumped by windmill and steam pump; about 10 acres of fine land, good dwelling house, 8 rooms, well built and heated by hot water; property in center of village, 5 minutes walk from Hudson River R.R. depot. A good chance for one or two live men. I have other interests and will sell very low; the property can be paid for with proper management in 4 or 5 years. Don't inquire unless you mean business. Wm. A. White, Staatsburgh, N. Y.

FOR SALE.

A Greenhouse Plant of 36,000 square feet, situated between two flourishing cities of 37,000 and 166,000 population, respectively. Four lines of electric cars pass the door. Houses are equipped with Herendeen Boilers and have every modern appliance, all stocked with roses, carnations, ferns and all plants pertaining to this business. Will be sold at a great sacrifice, as owner has outside business interests and cannot give Greenhouses personal attention. Address J. V., care Florists' Exchange.

Mention the Florists' Exchange when writing.

California Privet.

Editor Florists' Exchange.

For the purpose of encouraging the growth in the United States of such shrubs for which there is a steady and increasing demand, and which can be grown here as easily as in foreign countries, I desire, in your columns, to call to the attention of the American Association of Nurserymen the fact that large importations of Ligustrum ovalifolium, commonly called California privet, are made yearly, generally being sold as being of native growth, and as this shrub in particular grows here so readily, is comparatively so hardy, so free from infestation, in such great demand, and is being planted so largely by our nurserymen and others, its continued importation is detrimental to the interests of the nursery business, and I therefore bring to your notice this fact, hoping that you will bring to bear your influence on Congress to increase the tariff sufficiently to make impossible its further importation.

California privet is as yet comparatively but little known ontside of the States bordering on the Atlantic. The demand for it therein has increased very largely during the past few years, and for private grounds and large estates it is conceded that there is no other shrub to approach it for ornamental purposes in hedges, clumps, etc., and all landscape gardeners are compelled to use it to a large extent in laying out and adorning grounds. It is also being largely used to beautify small city lots, and the time may be expected when most of them will have a hedge around their borders.

California privet is propagated from cuttings taken in the winter or early spring before growth commences. The cuttings are usually about seven inches in length, and planted in rows about five inches apart and as early in the spring as possible. They are generally allowed to callous, although at the seashore they can be planted at once, if not cut until spring, as they grow readily. It is common to cultivate the growing plants the first year by hand, and when this is done, as they are planted in rows, it will be seen that a great many can thus be raised the first year on one acre. A plot of ground 120 feet wide and 363 feet long contains an acre, and 87,000 cuttings can be planted on it, and as not one-half of one per cent. of suitable cuttings fail to grow, at the end of the fall season, the planter has over 86,000 year-old plants, superior to the imported one year old. Plants of this age are generally sold to nurserymen for planting out, and there is a steady demand for them, otherwise there would be no profit in importation. Of course most nurserymen raise their own year-old plants.

For planting hedges the two-year-old plants are mostly used. To obtain these it is considered necessary to take up and replant the one-year plants. These are set out in rows about eight inches apart, and the rows just far enough apart to admit running a cultivator through, giving the same cultivation as for potatoes. When thus planted, they are all cut down to within about four inches from the ground. The transplanting gives them better roots and the trimming causes them to grow more stocky. Set out in this manner, it will be seen that our 86,000 and odd one-year plants will take up the room of about three and a half acres, and in the fall the planter will have that number of two-year-old plants suitable for ornamental hedges, etc., the market value of which now is $30 per thousand on the average, equal to $2,580 for less than two years' planting, cultivation and sale from one to three and a half acres of land. I have known farmers to sell out their plants standing in the field at price named. About eight years ago they brought $50 to $75 per thousand. Importation has reduced the value.

I think what I have shown will justify an increased rate on imported stock and should indnce our nurserymen to increase their plantings.

JAMES H. CORNELL.



Chicago.—The Florists' Club tried conclusions with the Summerdale League Club, of which the Stollery Bros. are members, and got beat by a total of 111 pins. The following are the scores:

	1	2	3
Asmus	140	182	143
Degnan	175	138	185
Winterson	131	157	128
Balluff	142	158	115
Coulson	195	166	176
Total	783	801	747
Stollery Beauties	80)	814	828

Flatbush, N. Y.—The New York Florists' Club dinner and its usual aftermath of social visiting, culminated at these alleys Thursday evening. Although that tired feeling was plainly visible on the features of some of those present the meeting abounded with fun, which was kept up continually, until the Bostonians had to depart to catch the 12 o'clock train for home. The visitors were E. M. Wood and J. A Pettigrew, Boston; Messrs. E. H. Cushman, Euclid, Ohio; and P. O'Mara, New York. The scores made are as under:

	1	2
C. Wocker	129	110
D. Y. Mellis	134	117
P. Dalledouze	131	141
P. O'Mara	135	133
W. J. Stewart	129	169
E. H. Cushman	110	166
J. I. Raynor	146	129
A. Ilossack	...	89
A. Zeller	132	128
C. Wœrner	134	122
Papa Zeller	86	82
J. A. Pettigrew	72	87
S. S. Butterfield	128	104
E. M. Wood	79	55
L. Schmutz	130	104
W. Prosser	...	110

P. Riley, who has been sick for some time is much better, and is expected to get out again soon.

St. Louis.—The Florists' Bowling Club scores for January 15, 1900, were as follows:

	1	2	3
J. W. Kunz	150	167	157
C. C. Sanders	139	137	...
C. A. Kuehn	146	146	181
E. Schray	130	131	141
F. C. Weber	83	119	110
John Young	...	143	148
F. J. Fillmore	87	113	96

New York.—The following scores were rolled Monday evening, January 15:

	1	2	3
F. H. Traendly	116	115	128
A. S. Burns	148	122	168
L. Hafner	125	137	115
W. H. Siebrecht	158	159	126
J. A. Shaw	121	114	99
J. I. Donlan	127	99	128
W. Bartholomæ	133	109	116
T. Lang	175	156	188
J. H. Taylor	97	69	...

The National Florists' Board of Trade intimates that on and after March 1 next the Board will withdraw the offer made by Secretary Loder to the members of the S. A. F., at the Omaha meeting, setting forth that the Board would accept from members of the Society of American Florists, who were in good and regular standing, their subscription to the Monthly Credit and Information List, issued by this Board, at the rate of $8, or in other words, $2 less than the regular subscription rate, which is $10 per annum. This is the result of so few S. A. F. members having taken advantage of the offer. It is further stated that present members of the Board, whose subscription expire before December 1, 1900, will be permitted to renew at the reduced rate.

New York.

Market Notes.

There is a slight improvement in the general tone of the market, and flowers are clearing out somewhat easier than they did one week ago. With the enormous quantities of stock that arrive in this city every day, it is almost an impossibility to clear out daily, and when mention is made in this column of certain stock being sold at ridiculously low prices in one thousand lots, it most usually refers to flowers that have been left over in the hands of the dealers when the supply has been in excess of the demand.

High grade roses are disposed of without much trouble; in fact, that is a condition which prevails most of the time in this market, and although we often have to refer to an overstocked condition, in nine cases out of ten it applies only to the cheaper grades. The grading of roses is rather complicated, under present conditions, and no doubt it will always remain so, for what one grower terms a No. 1, another might call an extra or a No. 2.

As we said before, the special and extras find ready buyers, as a rule, but grades one and two are always the most plentiful and have to be sold at prices more in proportion to their numbers than to their relative values to the better grades. We find this week, for instance, that special Bride and Bridesmaid have ranged around 12c. and 15c. each, while No. 1 has been at from 4c. to 6c., and No. 2 at 2c.

Carnations have done better than last week, that is, there have not been so many carried over from day to day, and prices have stiffened just a little.

White lilac has become plentiful all at once; this stock is handled in bunches only, and as these are of variable sizes the price ranges from 75c. to $1.

Freesias also are plentiful and the quality is very variable; from 10c. to 25c. per bunch is the asking price. Tulips are coming in regularly, and the red varieties have brought the highest figures thus far. There is a fair demand for lily of the valley, and there is plenty in the market, consequently the lower quoted prices prevail when large quantities are needed.

Smilax is rather a drug this week, but other greens, such as asparagus and maidenhair fern go fairly well.

Among the retailers business shows a slight improvement, and, from now until Lent, a brisk demand is anticipated. Cinerarias are to be seen at a few stores, but this plant appears to be losing favor every year. Fern balls are a valuable aid to a window display when suspended from the ceiling, and they are also proving good sellers.

Theo. Lang has quite an assortment of different designs hanging in his windows, and they add greatly to the general effect.

In C. A. Dard's window an arch composed of cattleyas and ferns was an imposing feature this week.

M. H. Beumont, late of Cleveland, O., is with J. Fleischman, corner 25th street and Broadway.

Jottings.

J. K. Allen, wholesale commission dealer, No. 57 West 28th street, will open a new store at 106 West 28th street, on or about February 15. The old stand, at No. 57, will be retained until May 1, though after February 15 business will be transacted chiefly at the new quarters, which are very suitably located (a few doors west of Sixth avenue), and present increased facilities for handling Mr. Allen's immense consignments of flowers.

The New York Gardeners' Society met last Saturday evening at the Grand Central Palace. It was decided to hold future meetings quarterly and to give a carnation show in March (possibly in conjunction with the American Rose Society's exhibition). C. W. Ward made the generous offer of a silver cup to be competed for at this exhibition.

Mrs. J. B. Nugent, mother of Mr. Nugent, commission dealer, died Thursday, the 11th inst. The funeral took place on Sunday last.

Mrs. Ernst G. Asmus suffered a painful accident a short time ago by falling from a chair.

Peter Fisher, of Ellis, Mass., and Mr. Rowland were visitors this week. There was also a goodly number of out-of-town friends here to attend the club's annual dinner, the names of whom are enumerated elsewhere in these columns.

The store of Stumpp & Walter was closed Monday, owing to the funeral of Mrs. Phelan, a sister of Mr. Stumpp, who died Friday last, January 12.

Lehman Bros., 10 Bond street, report an increasing demand for their wagon heaters among the florists. This article is effective in keeping the temperature of wagons high enough to prevent the freezing of plants, it is neat, economical, and takes up very little room, and the patent fuel used does not give forth smoke or gas. The new design is an improvement on the one sent out last year.

John Lassen and E. Wagner have begun business at 513 West 25th street, under the firm name of Lassen & Co. They will handle a general line of decorative supplies for florists.

Philadelphia.

Business A-gley.

Something appears to be wrong; here we are in the middle of January and everyone in the trade that you meet says business is quiet. Some stores certainly are doing a fair trade, but no one is rushed or working overtime. The condition of the flower market is about as last reported. It is true, not nearly so many flowers are coming in, but the stores are buying slowly, and shipping orders are few. There appears to be a fair amount of work going on—many large dinners, several balls and smaller entertainments—this week; but the flower market does not feel these events, and if flowers are used in connection with them it must be in small quantities.

The latest in dinner-table designs is to have the table laid out as golf links. Jas. Kift & Son had such a decoration this week, and the results obtained were very pleasing.

Ladies' Night at the Club.

Next Wednesday evening will be "Ladies' Night" at the Florists' Club room, and a very enjoyable time is anticipated. There will be a short concert, then light refreshments, and after that bowling and shuffleboard contests for the ladies. Don't miss it, or you will be sorry.

Jottings.

Mrs. Hugh Graham died on Tuesday night, after six weeks of very severe illness. Much sympathy for the bereaved family has been expressed by the trade.

H. Baydersdorfer & Co. have for some time past been robbed of tinfoil, and last Friday the affair was unearthed. The street fakirs had formed a combination, and had drawn into the scheme a boy in Bayersdorfer's employ, who took the foil out one and two pounds at a time and delivered to his partners in the scheme. Now some six or seven of these parties are held for court.

DAVID RUST.

CHARLOTTE, N. C.—E. I. Bush has added one rose house, 100x20 feet, and intends taking advantage of the drop in price of glass to build more. The demand for cut flowers is so encouraging; and he runs his plant well. W. M.

CARNATIONS

STRONG PLANTS FOR SUMMER BLOOMING.

Flora Hill, $1.25 per 100; $12.00 per 1000.
Daybreak, $1.00 per 100; $9.00 per 1000.
Wm. Scott, $1.00 per 100; $8.00 per 1000.
Fisher, 90 cts. per 100; $7.00 per 1000.
F. Mangold, $1.00 per 100; $8.00 per 1000.

J. W. HOWARD, Russell St., WOBURN, MASS.

Mention the Florists' Exchange when writing

New Foliage Border GERANIUM **SUNLIGHT**

A seedling from a pure white sport, distinct, novel and interesting. The sun shines right through this plant, leaf and branch. Offered now for the first time. Orders booked now for March and April delivery. Sample sent on receipt of 15c.; price per 12 plants, $1.25. Make a note of this adv., it may not appear again.

BENJ. WM. SILL, L. I. City, N. Y.
Cor. Main and Remsen Sts.

A FEW GOOD THINGS YOU WANT

Extra fine 3 in. Chinese Primrose in bud and bloom, $4.00 per 100. **Asparagus Sprengeri and Plumosus,** 3 in., $8 00 per 100. **Rex Begonia,** 3 in., mixed $4.00 per 100. **Marguerite Daisy,** large flowering white, 2 in., $3 00 per 100. **Nephrolepis Cordata Compacta,** 2½ in., $4.00 per 100. **Kentia Belmoreana and Forsteriana,** 4 in., nice plants, 40c. each.

NEW CARNATION KITTATINNY.

A new money making carnation; a white sport from Daybreak. Any one can grow it that can grow Daybreak, as it is identically the same in every respect except color, which is pure white; and with me it is a stronger grower and larger flower, and as a first-class all-round white can't be outclassed. Stock limited, and orders will be filled in strict rotation. Price per 100 **Rooted Cuttings,** $6.00.

GEO. M. EMMANS, Newton, N. J.



Semple's Aster

Choicest Home-Grown Seed, in white, shell-pink and lavender, ¼ oz., 25c.; oz., $1.00.

Catalogue on application, of leading flower and vegetable seeds for florists and market-gardeners.

W. C. BECKERT,
Allegheny, Pa.

Mention the Florists' Exchange when writing

HYBRID BEGONIA SEED Now is the time to plant. These seed were saved from choice varieties, Vulcan, Purity, and other giant flowering varieties of the Vernon type, including the golden-leaved variety. Trade pkt., 25c. Make a note of this adv., it will not appear azalo. **Benj. Wm. Sill,** cor. Main and Remsen Sts., L. I. City, N. Y.

Mention the Florists' Exchange when writing

GAZANIA SPLENDENS

For Baskets, Beds and Borders.

Rooted Cuttings, $1.25 per 100; $10.00 per 1000.
February and March delivery.

CHAS. H. CAMPBELL,
Richland, San Diego Co., CAL.

Mention the Florists' Exchange when writing.

Flower Seed that will Grow

ASTER, Semple's, White, Pink, Lavender, Mixed, Peony flowered, Victoria, Giant Comet, Queen of Market, 75 cts. per oz.; large trade packet, 25 cts.

MIGNONETTE. Allen's Defiance, Golden Queen, Pure Machet, per oz., 50 cts.; large trade packet, 15 cts.

COBÆA SCANDENS, purple, per oz., 30 cts.; trade pkt., 10 cts.

VERBENA, Mammoth Flowering, choicest mixed, per oz., $1.00; ¼ oz., 40 cts.; large trade pkt., 25c.

SWEET PEAS. Extra Early Blanche Ferry, B. Burpee, Mrs. J. Chamberlain, K. Tracy, Ovid, Novelty, Meteor, Gray Friar, E. Henderson, E. Eckford, C. of Aberdeen, Captivation, Capt. of Blues, Blanche Ferry, A. Eckford, per pound, 40 cts.; per oz., 10 cts.

MIXTURE contaiuing all the above sorts, per pound, 25 cts.; per oz., 5 cts. Satisfaction guaranteed.

Cash with Order.

GEO. L. MILLER, - Newark, Ohio.

Mention the Florists' Exchange when writing.

PLANTS.

		Per 100.
Geranium De Roo Mitting	2¼ inch	$7 00
Geranium Double Snow Drop,	"	7 00
New Yellow Baby Primrose	"	7 00
22 Coleus, fine, named	"	4 00
20 Standard Coleus, named	"	1 00
30 Double Petunias, mixed	"	2 00
Primula Obconica, 3½ inch		3 00
Primula Obconica, 2¼ inch		2 00
Primula Chinese, 2¼ inch		1 00
Primula, from flats, strong		50
Velvet Plant		2 00
15 Begonias, flowering, named, 2¼ inch		2 00
Forget-Me-Not, winter flowering, 2¼ inch		2 00
Iresines, 2 varieties, red, yellow, 2¼ inch		1 50
Pansy Plants, per 1000, $3.00		50
Cannas, large flowering, mixed		1 00
Mesembryanthemum Erectum, 2¼ inch		2 00
California Moss	"	2 00
Lycopodium Dent	"	2 00
Alternanthera, 4 varieties	"	1 50
Feverfew, Yellow Foliage	"	1 50
Feverfew, Little Gem	"	1 50
Dusty Miller	"	2 00
Cigar Plant	"	2 00
Vinca, variegated, trailing	"	2 00
Pure White Pansy Plants		50
Ferns, mixed, our selection, 2½ inch		5 00
Lobelia, Crystal Palace Gem,	"	1 50

Five plants at 100 rates.

The Morris Floral Company,
MORRIS, ILL.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS

Strong, healthy, well rooted cuttings, from sand or soil, for immediate or future delivery.

F. Joost, Genesee, Bon Ton, $2.00 per 100; $15.00 per 1000.

Freedom, Victor, Express, Daybreak, $1.25 per 100; $10.00 per 1000. Cash with order.

C. F. FAIRFIELD, Mgr., Springfield, Mass.

Mention the Florists' Exchange when writing

CARNATION CUTTINGS READY NOW. Well rooted and healthy.

Mcgowan, 75c. per 100, $5 50 per 1000; Scott, Rose Queen, 75c. per 100, $7.00 per 1000; Flora Hill, $1 per 100, $9 00 per 1000; Joullee, $1.25 per 100, $10.00 per 1000.

Cinerarias, strong, 2½ in., $1 50 per 100.
Primroses, 3 in., $2.50 per 100.
Agerratum, Princess Pauline, R. C., 60c. per 100.
Cannas, best named varieties, strong, 1 to 3 eyes, $2.00 per 100; mixed, $1.50 per 100.
Primula Obconica, bud and bloom, 2½, $1 50 a 100.

RICHARD INSALL, West Moorestown, N. J.
Lock Box 514. Near Philadelphia.

Mention the Florists' Exchange when writing.

DOUBLE PETUNIAS. OVER 75 VARS., NAMED.

I have the finest and largest collection in the country, an immense stock, and can fill all orders without delay.

Rooted Cuttings, by mail, $1.25 per 100. **Grandiflora,** single, 10 vars., $1.25 per 100.

"I saw the bloom of Mr. Hughes' petunias, both double and single, and they are very fine."
HENRY F. MICHELL.

Ivy Geranium, 12 vars	$1.50 per 100	
Heliotrope, 16 vars	1.00	"
Ageratum, Princess Pauline	1.00	"
Guzmula, splendens	1.50	"
Cuphea, Segar Plant	.75	"
Ageratum, White and Blue	.75	"
Abutilon, 4 vars., R. C.	1.50	"
Swainsona Galegifolia Alba, R. C.	1.50	"
Fuchsias, 12 vars	1.25	"

Cash with order, please.

GEORGE J. HUGHES, Berlin, N. J.

Mention the Florists' Exchange when writing

CHICAGO CARNATION CO.

The Great and Only Carnation Specialists.

CUTTINGS NOW READY.

	Per 100.	Per 1000.	Bl'ms.
Genevieve Lord, the peer of any light pink carnation ever offered. Per dozen, $2.00	$10.00	$75.00	5c. ea.
Chicago, scarlet Bradt. Per dozen, $1.50	7.50	60.00	5 "
Mrs. Lawson, cerise pink. Per dozen, $3.00	14.00	120.00	
Olympia, variegated. Per dozen, $2.00	12.00	100.00	
Ethel Crocker, pink. Per dozen, $1 50	10.00	75.00	
Mrs. Frances Joost, pink.	2.50	20.00	3 "
Mrs. James Dean, pink	2 50	20.00	5 "
John Young, white	2 50	20.00	4 "
White Cloud "	4.00	30.00	5 "
Mrs. Bradt, variegated	5.00	40.00	4&5"
Gen. Maceo, crimson	6.00	50.00	6 "
G. H. Crane, scarlet	6.00	50.00	5 "
Gold Nugget, yellow	2 50	20.00	5 "
Argyle, carmine	2 50	20.00	4 "
Jubilee, scarlet	2 00	15.00	4 "
Armazindy, variegated	2.00	15.00	2 "
Evelina, white	2.00	15.00	2 "
New York, deep pink	2.00	15.00	2 "
Wm. Scott, pink	2.00	15.00	2 "
Victor, pink	2.00	15.00	2 "
Daybreak, light pink	2.00	15.00	2 "
Flora Hill, white	2 00	15.00	4 "

CHICAGO CARNATION CO., Joliet, Illinois.

Mention the Florists' Exchange when writing.

BASSETT & WASHBURN,

76 and 78 Wabash Ave., CHICAGO, ILL.

ROOTED CUTTINGS, ROSES and CARNATIONS

Get new blood in your Roses and secure what you want from grafted stock. Our cuttings this year are made from grafted plants and none but the best wood will be used.

Brides.....Per 100, $1.50 **Bridesmaids**..Per 100, $1.50 **Meteors**.....Per 100, $1.50

CARNATIONS.

WHITE	Per 100	Per 1000
Flora Hill	$1.50	$10.00
Mary Wood	2.50	20.00
White Cloud	2.50	20.00
PINK		
Triumph	$2.50	$20.00
Frances Joost	2.50	20.00
Daybreak	1.50	10.00
DEEP PINK		
Leslie Paul	$5.00	$45.00
Cerise Queen	2.50	20.00
Painted Lady	2 50	20.00
YELLOW. Gold Nugget	$2.50	$20.00

STRIPED WHITE and RED	Per 100	Per 1000
Mrs. Bradt	$5.00	$40.00
Psyche	1.50	10.00
Armazindy	1.50	10.00
RED		
Red Mrs. Bradt	$10.00	$75.00
Jubilee	2.00	15.00
America	5.00	45.00
G. H. Crane	5.00	45 00
MAROON. Empress	$2.50	$20.00

BASSETT & WASHBURN, 76 and 78 Wabash Ave., CHICAGO

Mention the Florists' Exchange when writing.

PRIMROSES FOR EASTER BLOOMING

2 in., $2.00 per 100.

ROOTED CUTTINGS.

GERANIUMS— Per 100

Mrs. Parker, Double Pink, Silver Leaf..... $4.00
Silver Leaf, Rose Scented 1.50
Mme. Salleroi..... 1.25
Double New Life, R. C... 4.00
Mrs. Pollock, Happy Thought, $2.00 per 100.
Bronze.....$1.50 per 100.
Mars, Freak of Nature, $3 a 100.
Assorted (common), $1.50 a 100.
Beet varieties, $2.00 per 100.
Mme. Bruant, $2.50 per 100.
Mixed, $1.25 a 100; $12.00 a 1000.

	Per 100
Manettia Bicolor.....	$2.00
Vinca.....	1.50
Salvia.....	1.25
Heliotrope.....	1.25
Begonia Erfordii.....	2.00
Begonia, Rex.....	2.00
Begonia Inc. Gigantea	2.00
Impatiens Sultani.....	2.00
Forget-Me-Not (Winter Flowering).....	2.00
Ageratum blue and white,	1.00
" Princese Pauline,	1.25
Alternantheras, red and yellow, Summer struck, $1 a 100; $9 00 per 1000.	
Alternantheras, red and yellow, 60c. per 100; $5 per 1000.	
Alyssum, Double Giant, $1.00 per 100.	
Tradescantia Tricolor, $2.00 per 100.	
Fuchsias, assorted, $1.50 a 100.	
Sun Ray, variegated red, white and green, $4.00 a 100.	
Trailing Queen, $1 50 a 100.	
German Ivy, $1.25 a 100.	
Lemon Verbena, $1.50 a 100.	

COLEUS—

Faocy and large leaf..... $1.00
Separate colors..... .80
Mixed..... .60

Let us book your order now for the **BEST LATE WHITE 'MUM** for florists' use, rooted cuttings, $2.00 per 100.

PLANTS.

GERANIUMS— Per 100

Mrs. Parker..... $6.00
Happy Thought, 2½ in... 4.00
Silver Leaf, 2½ in..... 4.00
Mrs. Pollock, 2¼ in..... 4.00

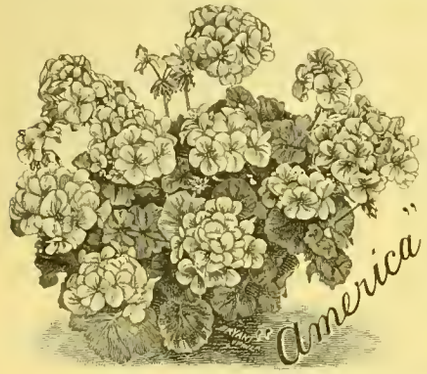
Forget-Me-Not (Winter Flowering) 2½ in..... 4.00
Mignonette, 2 in..... 2.00

BEGONIAS—

	Per 100
Rex, assorted, 2½ in.....	$4.00
" named.....	6.00
Primrose, in bud, 2¼ in.	3.00
Primula Obconica, 2 in., $2 a 100; in flats, $1.50 a 100.	
LEMON VERBENAS. $3.00, $4.00 and.....	6.00
Anthericum, 3 in.....	$6.00
Dracæna Indivisa, in flats.....	5.00
Manettia Bicolor, 2½ in.	4.00
Fragrant Calla, 2½ inch, 1.50 per doz.	
Fragrant Calla, 4 inch, $3.00 per doz.	

Terms, Cash or C. O. D. **GREENE & UNDERHILL, Watertown, N.Y.**

Mention the Florists' Exchange when writing



New Ever-blooming Geranium

AMERICA

SEEDLING OF MARS.

An Ideal Geranium for pot culture and bedding It is of a stronger growth and larger foliage than Mars, retaining the dwarfness and floriferousness of that parent. On opening the flowers are white with salmon center; once open they shade through all salmon and rose tints, until they become deep, pure rose, when fully open. As all color shadings appear at one time on each truss, the effect is unequaled in the class of geraniums. The trusses are as large as Mrs. E. G. Hill, under good culture. This variety will become even more popular than its parents. **50cts. each; $5.00 per doz**

MARS 2¼ inch pots, $5.00 per 100. CASH, PLEASE.

H. EICHHOLZ, Waynesboro, Pa

Mention the Florists' Exchange when writing

Cincinnati.

Market News.

City trade is not rushing, owing to the extremely bad weather experienced during the past week—rain most of the time, intermingled with snow. Shipping trade remains very good, and we now have plenty of stock to fill all orders, with the exception of Beauty, and Bridesmaid, the supply of both of which is not equal to the call. This market can use more good quality roses of all kinds. Carnations are quite plentiful, and of good quality, selling at prices ranging from $1.25 to $4 per 100. Good medium stock brings from $1.50 to $2. Bulbous stock is not called for much at any price; good Paper White narcissus sold this week at $1 per 100; Romans at about the same figure. The dark weather will reduce the cuts of roses and carnations, and prices of bulb stock will probably advance to 2c. Lily of the Valley still sells at 4c. A few Trumpet Major narcissus are coming in and fetch 3c. Harrisii is to be had at 10c.

Club Meeting and Exhibition.

The regular monthly meeting and exhibition of the Florists' Society occurred Saturday afternoon. It was strictly speaking, a "violet exhibition," and the exhibits staged were very creditable indeed. Corbett & Wilson won the first prize, $10, for best general display, having four varieties staged in quantity. The new violet, Imperial, introduced by W. L. Minor, of Brockton, Mass., is the best double I have seen; it carries a flower that will cover a half dollar, has fine color and long stem. Mr. Corbett tells me this variety is very free from disease. Crabb & Hunter, of Grand Rapids, Mich., won second prize, with a nice, clean exhibit, but they lacked in quantity. J. A. Goldman secured third prize with a still smaller quantity.

The seedling carnations exhibited for certificate, comprised two kinds, sent by R. Witterstaetter—Elinore, white, which scored 85 2-3 points; Opal, pink, scored 74 points. Crabb & Hunter's Irene, a dark pink, on the order of Bridesmaid, scored 83 points. Irene is not a fancy sort, but it is a commercial variety, one that will produce dollars and cents. I consider a flower of this kind far more valuable to the general florist than a fancy sort. I believe Ethel Crocker is another of this kind, also Witterstaetter's Estella, scarlet, and Elinore, white. Mr. Witterstaetter's display of carnations was a most creditable one and comprised the following sorts: Estella (scarlet), Enquirer (striking shade of pink), No. 555 (a large white), Opal (cerise), Melba (light pink), Roslya (dark pink, very large), G. H. Crane and Elinore, a good sort, fine stem and calyx, size, substance and fragrance.

Henry Renke, gardener for A. T. Goshorn, staged a nice bunch of Marie Louise violets.

The prize offered by Hon. Albert Fisher, for four plants cyclamen, was not competed for. George & Allan won all the prizes for roses. They also had on exhibition Scott, Flora Hill and Jubilee carnations, and lily of the valley. The prizes offered for commercial carnations won out as follows: Pink, Melba, A. Sunderbruch's Sons; varicgated, Bradt, same exhibitor; white, Flora Hill, W. K. Partridge; red, Crane, same exhibitor. Much has been said regarding the deterioration of Flora Hill, but if the readers could have seen the vase staged by W. K. Partridge they would be willing, at least, to think, if they did not change their minds. The stems were good, and viewed from every point this was a very handsome vase of flowers. When I asked Mr. Partridge how he did it, he replied that he took his cuttings only from the most vigorous and healthy plants, and that his whole stock is in fine form. If others would be as careful in selecting their cuttings there would, I think, still be no cause for complaint with Flora Hill. He also had two vases of the now

THE STORRS & HARRISON CO., Box 936, PAINESVILLE, OHIO.

Leading American Nurserymen, offer one of the Most Complete Assortments of

FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.

46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

ROOTED CUTTINGS AND DAHLIA ROOTS

All stock enumerated below sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded.

At 100 rates rooted cuttings will be shipped prepaid; at 1000 rates at purchaser's expense by express. **25 of a kind will be sold at 100 rates; 250 at 1000 rates.**

CARNATIONS ROOTED CUTTINGS

Our stock of Carnations is free from stem rot and other disease, and in a healthy, vigorous condition. Flora Hill leads here as a white, doing better than ever before, and entirely free from stem rot. Genesee is a little later than Hill, and is at its best when Hill is off crop, and a good one, we find, to grow with Hill. If you have a warm end to your carnation house with a night temperature of 58 to 60 degrees John Young (or White Scott), will be a good one to plant, as it gives a shower of large, full flowers, on long stiff stems, if grown warm.

	Per 100	Per 1000
MRS. G. M. BRADT	$2 50	$22 00
MRS. JAMES DEAN	2 50	22 00
JUBILEE	2 50	20 00
MRS. FRANCES JOOST	2 25	20 00
VICTOR	2 25	20 00
WHITE CLOUD	2 25	20 00
EVANSTON	2 25	20 00
GOLD NUGGETT	2 00	17 50
FLORA HILL	1 50	12 50
TRIUMPH	$1 50	$12 50
JOHN YOUNG	1 50	12 50
RED JACKET	1 75	15 00
DAYBREAK	1 25	10 00
ARGYLE	1 50	12 00
C. A. DANA	1 25	10 00
GENESEE	1 25	10 00
FIRE FLY	1 25	10 00
NEW YORK	1 25	10 00
BECTOR	$1 25	$10 00
METEOR	1 25	10 00
EMPRESS	1 00	7 50
PORTIA	1 00	7 50
MAYOR PINGREE	1 00	7 50
McGOWAN	1 00	7 50
WM. SCOTT	1 00	7 50
EVELINA	1 00	7 50
BON TON	1 00	7 50

HARDY PINKS. We have 60,000 Hardy Pink Rooted Cuttings in cold house, well-rooted, and in excellent condition. 8 sorts as follows:

Her Majesty. Giant white.
Alba Fimbriata. White, fringed.
Brunette. Pink, with maroon markings.
Earl of Carlisle. Variegated maroon, rose and white.
Juliette. Cherry red, variegated pink and white.
Gertrude. White, maroon markings.
Laura Wilmer. Pink, with darker shadings, fringed.
May. Beautiful flesh pink, very fragrant.
$1.00 per 100; $8.00 per 1000.

Salvia splendens compacta. $1.00 per 100; $8.00 per 1000.
Lady Hume Campbell Violet. Clean, no disease; rooted cuttings from sand. 60c. per 100; $5.00 per 1000.
Double Petunia. Labeled, 25 sorts. $1.50 per 100.
Giant Double Alyssum. 75c. per 100; $6.00 per 1000.
Clematis Paniculata. Transplanted seedlings; nice, thrifty plants. $2 00 per 100.
Heliotrope. Eight sorts, labeled. $1.00 per 100; $8.00 per 1000.

COLEUS. We have enough wood to make 100,000 Coleus between now and spring. Our stock is free from mealy bug and in good shape.

Golden Bedder, Red Verschaeffeltii and Yellow Verschaeffeltii. 75c. per 100; $6.00 per 1000.

Dr. Ross. The best Coleus of recent date; immense leaf; fine for specimen plants. $1.25 per 100; $10.00 per 1000.

Besides the above sorts we grow 30 other best commercial varieties, which we can supply at 75c. per 100; $5.00 per 100.

Fuchsias. 25 varieties, best sorts, labeled, single and double. $1.25 per 100; $10.00 per 1000.

Strobilanthus Dyerianus. $1.00 per 100; $8.00 per 1000.

Madeira Vine Roots. Fine plump tubers. 60c. per 100; $4.00 per 1000.

DAHLIAS STRONG, WHOLE, PLUMP ROOTS.

We have 25,000 more Dahlia Roots still in stock than retail catalogue trade requires, but not enough of but 20 sorts to list. We have 30 varieties in stock, from which to fill orders, not less than five of a kind. Our selection, all colors, Pompon, Cactus and Show, labeled, but our selection, $4 00 per 100; $40.00 per 1000.

Also the following sorts:

Wm. Agnew. The best dazzling red cactus. $7.00 per 100.

True Model. Orange scarlet cactus. $5.00 per 100.

Jewell. Show; flowers many colors, from blush white to crimson maroon. $5.00 per 100.

Fern Leaf Beauty. Fancy show; fern-leaf foliage, creamy white, bordered dark crimson, $5.00 per 100.

Blumenfaller. Rosy lavender, shaded plum, densely quilled. $4.00 per 100.

Bouuard's Yellow. Show; early, profuse bloomer. $4.00 per 100.
Constancy. $5.00 per 100.
Dawn of Day. Show; yellow, shaded rose. $5.00 per 100.
Nymphæa. Pink cactus. $6.00 per 100.
Zulu Cactus. Very dark maroon. $4.00 per 100.
Camellia Alva. Show; fine white flower. $6.00 per 100.
Victory. Crimson cactus. $4.00 per 100.
Fire King. Red cactus, fine flower. $5.00 per 100.
Wm. Pearce. Cactus, pure yellow. $4.00 per 100.
Queen Victoria. Fine, quilled yellow, on long, graceful stem; best yellow to date. $6.00 per 100.
Oriental. Cactus. $4.00 per 100.
Bird of Paradise. Rose, shaded pink cactus. $5.00 per 100.
Pearl. White cactus. $6.00 per 100.
Electric. Crimson cactus. $5.00 per 100.
Scarlet Gem. Show. $5.00 per 100.

A. B. DAVIS & SON, (Near Washington, D. C.) Purcellville, Va.

ESTABLISHED 1866.

Mention the Florists' Exchange when writing.

celebrated rivals, G. H. Crane and America; these were exceptionally well done, and it would simply be a matter of choice in color to say which is the best; both being good and decided acquisitions to their class. Other flowers of special merit staged for display by Mr. Partridge were Bride and Bridesmaid roses; Jubilee, Scott, Bradt, Gold Nugget and White Cloud carnations; Primula obconica fimbriata grandiflora (this is a beautiful flower and should be more largely grown by florists; for funeral work especially it holds well and adds very materially in finishing set pieces). Mr. Partridge's display was awarded special mention by the judges.

Wm. Murphy had his usual good showing of carnations. I noticed in his collection a very pretty lot of Helen Keller, a variety that has almost been lost sight of.

Jottings.

Chas. Schweizer was robbed of some flowers at his greenhouses Saturday night, January 13. The thief has been caught and jailed.

Our next show will be a rose exhibition, on February 10.

E. G. GILLETT.

SWORD FERNS $12 per 1000.

CRINUM KIRKII.....$6.00 per 100
AMARYLLIS EQUESTRE..... 4.00 "
BLACK CALADIUM (Alocasia Illustris)..... 3.00 "
FANCY CALADIUMS..... 2.50 "

A. WICHERS, San Antonio, Fla.

Mention the Florists' Exchange when writing.

ASPARAGUS

2½ inch pots.

Sprengeri, Plumosus Nanus, $6.00 per 100. Fine stock.

Jackson & Perkins Co., Newark, New York.

Mention the Florists' Exchange when writing.

BOSTON FERNS

N. Exaltata Bostoniensis. Small plants, $5 00 per 100; $40.00 per 1000; not less than 250 at 1000 rate. Large plants, $6.00 to $12.00 per 100.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $3.00 to $10.00 ea.
Areca Lutescens, 50c. to $3.00 each.
Latanias, from 75c. to $3.00 each.
Asparagus Plumosus, $1.00 to $1.50 doz.
Asparagus Sprengeri, 3½ in. pots, $1.50 per doz.
Asparagus Tenuissimus, 3½ in. pots, $1.25 per doz.

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. **Connected with Telephone.**

Mention the Florists' Exchange when writing.

ERICAS

Persoluta Alba, 4 in., per 100, $18; per 1000, $150.00.

Persoluta Rosea, 4 in., per 100, $18; per 1000, $150.00.

Well set with buds, can be brought into flower for February and March (Easter).

H. D. DARLINGTON, Flushing, L. I.

Mention the Florists' Exchange when writing.

LATANIA BORBONICA

4 inch pots.....	$2.50 per doz	;	$20.00 per 100.	
5 "	4.75	"	35.00	"
6 "	9.00	"	70.00	"
7 "	1.25 each, and fine specimen plants from $6.00 and upwards.			

Areca Lutescens, fine plants from $5.00 upwards.
Kentia Belmoreana and **Forsteriana**—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, well grown, from $2.50 and upwards.
Phœnix reclinata, 4 in. pots, 25c. each, $20 per 100; 5 in. pots, 40c. each, $35.00 per 100; 6 in. pots, 60c. each, $55.00 per 100; 7 in. pots, $1.25 each.
Phœnix Canariensis, Rupicola and **Reclinata,** fine specimen plants, from $3.00 to $5 00 each.
Cocos Weddelliana, from 2 in. pots, $1.50 per doz.
ASPARAGUS SPRENGERI 3 in. pots, $1.00 a doz. 5 in. pots, 25c. each.

JOHN BADER, Troy Hill, **Allegheny, Pa.**

L. D. TELEPHONE 872.

Mention the Florists' Exchange when writing

AZALEAS FOR EASTER

ALTHOUGH our stock of Azaleas this season is larger than ever, we strongly recommend early orders. Many of our customers were disappointed last year in not being able to procure stock several weeks before Easter, and we have taken more than ordinary precautions to prevent a repetition of this the coming season, but all indications are that the demand this year will be greater than ever; besides this the plants can be transported with so much greater satisfaction while they are still in a semi-dormant condition, that this point alone should be sufficient to induce early orders, for no matter how carefully packed the plants are certain to receive some check when turned out of pots after the buds have developed, and we assume no responsibility for injuries arising from late shipments.

We can still supply full assortments in the following sizes:

	Inch Diameter.	Per Doz.	Per 100
5 inch pots, nice bushy crowns.....	10 to 12	$5.00	$40.00
5 and 6 inch pots, nice bushy crowns.....	12 to 14	6.00	50.00
6 and 7 inch pots, nice bushy crowns.....	13 to 15	9.00	70.00
7 inch pots, nice bushy crowns	15 to 17	12.00	100.00

ALSO A GRAND LOT OF SPECIMEN PLANTS OF

MME. VAN DER CRUYSEN of exceptionally good value, at $1.50, $2, $2.50, $3 and $5 each.

HENRY A. DREER, 714 Chestnut Street, **PHILADELPHIA, PA.**



CHINESE AZALEA.

Mention paper.



SABAL PALMS

To users of Palm Leaves that make Natural Preserved Palms. This is where the very best leaves grow, and can fill orders for any amount. Also **Palm Fibre** at reasonable prices. If you are not making them and want to, write me,

J. F. POWELL, Melbourne, Fla.

Mention the Florists' Exchange when writing.

AZALEAS.

Large Shapely Plants well set with buds, 13 to 15, $6.00 per dozen; 14 to 16, $9.00 per dozen.

CINERARIAS in bud and bloom, 5 in., $1.50 per doz.; 4in., $5.00 per 100.

WHITTON & SONS, Wholesale Florists,

City and Green Sts., Utica, N. Y.

Mention the Florists' Exchange when writing

FERN SPORES

PTERIS TREMULA. P. OURARDI.

Saved December, '99.

Liberal Trade Packets, 50c. each.

GRAHAM BROS., Ottawa, Ont.

Mention the Florists' Exchange when writing

FERNS A fine assortment for florists use, from 2½ and 3 in. pots. Also
Selaginella Emmelianna, and Reticulata Aurea
Cyperus Alternifolius, $3.00 per 100.
BABY PRIMROSES, from 3 inch, $4.00 per 100; from 4 inch, strong, $8.00 per 100.
PELARGONIUMS, in 6 best commercial varieties, mixed, from 3 inch, $3.00 per 100, and from 4 inch, $6.00 per 100.

J. G. EISELE, - Philadelphia, Pa.

20th AND ONTARIO STS.

Mention the Florists' Exchange when writing.

FERNS. FERNS.

This year we have a fine lot, all in the best possible shape, a good variety and nice, bushy stock, 2¼ in. pots, $3.50 per 100; $30.00 per 1000; packed in pots, 50 cts. per 100 extra, express paid to New York.

H. WESTON & BRO., Hempstead, L. I., N.Y.

Mention the Florists' Exchange when writing.

FERNS FOR DISHES.

Strong, 2 and 2½ in., $3 per 100; $27.50 per 1000.
Marauta Massangeana (will sell your fern dishes), $5.00 per 100; $40.00 per 1000
Asparagus Plumosus, strong, 2 in., $4.50 per 100; $40.00 per 1000.
Pteris Tremula, 3 in. pots, strong, $5.00 per 100. Terms, Cash or C. O. D.

C. MERKEL & SON, Mentor, Ohio.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR

Palms and Ferns.

Fine, clean home grown stock; grown cool. Give us a trial order and be CONVINCED.

J. B. HEISS, The Exotic Nurseries, **Dayton, Ohio.**

SEND FOR PRICE LIST.

Mention the Florists' Exchange when writing.

PTERIS DEWEYANA.

ALMOST DESIRABLE new fern, now offered for the first time, by the raiser, J. H. Ley. It is a most distinct cross between P. Cretica Albo-lineata and P. Serrulata. Habit dense and very dwarf; fertile fronds, erect, smooth and narrow, barren fronds very bright and beautifully undulated; produced in quantity, never rusts, hard, and grows very freely from spores.

12 fine plants, 3 inch pots		**$3.00**
100 " "		**20.00**
12 good plants, 2 inch pots		**2.00**
100 " "		**15.00**

Six latter mailed, $1.00. With balls of roots undisturbed.

JOHN H. LEY, Good Hope, - - WASHINGTON, D. C.

Mention the Florists' Exchange when writing

Nephrolepis Washingtoniensis "ERECTA"

For Half-tone Cuts and Description see page 1200, December 2 issue.

There is no other fern in its class so distinct and majestic and sure to have a great future as well for a pot or decoration plant, or for cutting of its grand fronds of 5 to 6 feet length. Its only rival will be the variety

Nephrolepis Washingtoniensis "PENDULA,"

Of which a half-tone cut appears on page 1253, December 16 issue, of the FLORISTS' EXCHANGE, and of which all the stock is in my possession and will be offered for sale next Summer. Of the first-named variety I have the best and largest stock, several thousand plants of different sizes. **Prices for $1.00,** free by mail, **5 well rooted runners,** or **4 strong, 2½ inch pot plants;** strong, 4 inch pot plants, 3 feet high, **50c. each;** larger ones, **$1.00** to **$5.00 each.** For other stock see former ads.

Mention this paper. **N. STUDER, Anacostia, D. C.**

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.

1730 CAMBRIDGE ST.

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POLYSTICHUM WOLLASTONI LACE FERN

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FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00.
Payable in advance. The date on the address label indicates when subscription expires.

CHANGES OF ADDRESS.

When notifying the publishers to send the paper to a new address, give both old and new addresses.

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The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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Leonard Barron, New York, has been appointed secretary of the American Rose Society, and Arthur Herrington, Madison, N. J., assistant secretary, Paul M. Pierson, on account of presure of other duties, having been obliged to relinquish the position.

FIRES.

FRANKLIN, N. J.—The greenhouses of William Conover were destroyed by fire January 9.

MANCHESTER, MASS.—M. B. Mason's greenhouse was burned last week.

THREE INSECT ENEMIES OF SHADE TREES. By Dr. L. O. Howard, Government Entomologist, Farmers' Bulletin No. 99, U. S. Department of Agriculture, Washington, D. C.—Treats on the imported elm leaf-beetle, the white-marked tussock moth, and the Fall web-worm, with suggested remedies. The bulletin is fully illustrated.

Our Prize Competition.

We have pleasure in announcing as under, the names of the successful competitors in the contest recently inaugurated by the FLORISTS' EXCHANGE, looking toward the improvement of the service to be rendered by this journal to its subscribers in the year 1900.

The comparatively limited number of competitors, although disappointing at first sight, on second thought furnish the comforting yet silent assurance that the efforts of the FLORISTS' EXCHANGE, as now put forth, stand in little need of improvement, being satisfactory to the great majority of our patrons. We, however, thank those gentlemen heartily who think they see room for betterment and who have provided us with ideas which, in their opinion, will serve to make up the existing deficiency.

Many of the views submitted were unfortunately impracticable, for reasons that need not be explained; others were beyond our control to adopt, while those which we are able to take up and put into practical operation have been adjudged by the publishers as entitled to our most serious consideration.

In instituting this competition we were impelled by an earnest desire to make the FLORISTS' EXCHANGE of the greatest possible utility to its patrons—subscribers and advertisers—to inject, if possible, a little diversity of subjects and methods from those now appearing and prevailing; to keep as far as we could, and as has always been our endeavor, out of the ruts and at the top; and while our Question Box plainly indicates "if you don't see what you wish, ask for it," and is largely taken advantage of, we were of the opinion that better results would ensue from individual effort, stimulated somewhat by a prize offer; reversing our positions as it were, and making our readers their own purveyors, for the time being; for it is only by each one announcing his wishes that his tastes can be ascertained. As before intimated, we are gratified at the comparative fewness of the competitors, a fact which we accept as the handsomest testimonial we could receive. We acknowledge the assistance rendered on this occasion, and that our patrons will profit therefrom we believe future issues of the FLORISTS' EXCHANGE will testify to.

The four gentlemen submitting the most valuable suggestions are as under, and to whom we have pleasure in making the awards:

FIRST PRIZE—A $10 Gold Piece.—Chas. E. Nealy, 193 Lincoln street, Greenhill Conservatory, Worcester, Mass.

SECOND PRIZE—A $5 Gold Piece.—Samuel Batson, Kalamazoo, Mich.

THIRD PRIZE—A Copy of "The Water Garden."—Grove P. Rawson, Elmira, N. Y.

FOURTH PRIZE—A Copy of "Commercial Violet Culture."—Chas. Johnson, 1226 Spruce street, Philadelphia, Pa.

And, gentlemen, we once more thank you.

A Living Profit.

In glancing over some of the early reports of the American Carnation Society one comes across remarks in the papers then read that, although they were at the time passed over without full discussion, would seem to tend more to the real welfare of the members of the society, and the carnation industry generally, than some of the subjects dealt with in later years. There is a proneness in our societies to dwell upon a discussion of cultural methods year after year, and to neglect the very important problem of the disposition of our products, i. e., how this can be done to best advantage. A bugbear, in this as in most every other business, is the pernicious practice of cutting prices. Much of this is due to an erroneous conception of sound business principles; a habit, when simmered down to a fine point, which is as unnecessary as its retarding influence to the welfare of all concerned is harmful. We quote from the paper of James G. Hancock, of Michigan, read by him before the Carnation Society at its initial meeting in New York, in 1891, the following significant passages, and ask for them the earnest consideration of every carnationist, and for that matter, every plantsman, doing a wholesale trade:

"In the subject of rooted cuttings of carnations it may not be out of place to consider if the business principles applied in other branches of industry might not apply here. Can the florist who roots carnations by the hundreds of thousands produce cheaper than the one who produces only a limited quantity? In either case can the limited grower or the extensive one afford to place his products upon the market at prices which will not allow of a fair profit? A little experience of mine might not be out of order right here. Very early in the season some growers quoted prices lower than I could afford to sell, properly valuing my stock. After debating some time as to whether I should adopt the motto, 'I shall not be undersold,' or whether I should ask a fair price, I decided upon the latter, sold my entire stock of the varieties in question, then bought more from the Atlantic Coast, paying high express rates and reshipped again to the East, still making a small margin."

A business sermon in a few words; lay it well to heart.

And, again, from C. W. Ward's paper on "Business Methods," read at the same meeting of the Carnation Society: "You should never engage in an injudicious cutting of prices below market values, in hopes of increasing your business or getting an undue advantage of your neighbor. The most foolish thing a grower or dealer can do is to attempt to run out his competitor by selling goods below cost. This, with the improper extension of credits, has ruined more business houses than any other cause."

In connection with the foregoing, read also Mr. Ward's most interesting communication on the subject of "A Living Profit and a Living Wage," appearing elsewhere in this issue.

It seems to us these topics will bear further discussion, both by the Carnation Society and the trade generally. Send us your views.

A Census of Floriculture.

Owing to the fact that the statistics of the florist business which the Census Office requires relate almost entirely to the year 1899, a plan has been formed for taking an early census of floriculture by mail, on special schedules, and to tabulate and publish the returns thereof early while other branches of the great work of enumeration are in progress.

There are approximately 10,500 florists in the United States. The names and addresses of a majority of them have been secured and classified by the Division of Agriculture in the Census Office, and each known proprietor will soon receive a copy of the special schedule devoted to this interest. It will be accompanied by a list (so far as ascertained) of all the florists in his section, to be by him corrected, added to and returned to the department for use in making the record complete and reliable.

This special schedule is not elaborate or complicated. It may be filled out easily and quickly by any florist who keeps a reasonably accurate run of his business. It asks for the (1899) acreage devoted to floriculture, and of each crop or variety of plants and flowers; the total area in square feet under glass, and the area of each crop or variety of flower or plant raised thereunder; the number of persons employed and the total wages paid to them; the amount expended for catalogues, postage, and fertilizers respectively, and the gross receipts from the sales in each sub-division of the business.

No private individuals will be permitted to have access to the schedules after they have been filled out and returned, nor will the names of persons or firms giving information be published in the census report. Figures only will be used and published, and the entire process and record of gathering information will be confidential.

As the law requires the regular enumerators to obtain certain information as to tenure, value, etc., during their visits in June, the next Census of Floriculture, if the florists themselves shall be prompt and conscientious in filling out and returning the special schedules soon to be sent to them, will be the most perfect in history.

The trade will be put to no expense, as the necessary stationery, with envelopes properly franked, will be provided for its use.

Annual Dinner of the New York Florists' Club.

About ninety people assembled in the dining hall of the St. Denis Hotel, 11th street and Broadway, New York, on Wednesday evening last, to participate in the thirteenth annual dinner of the New York Florists' Club. The guests included the president and members of the Executive Committee of the Society o American Florists and Ornamental Horticulturists. The tables were elegantly decorated by some of the choicest plants and flowers obtainable at this season, the work being performed by W. 1. Brower in his usual masterful manner. A list of the donors is subjoined. The menu was of the high standard for which this hostelry is famed. An orchestra provided charming music throughout the whole of the proceedings.

President O'Mara occupied the chair and John N. May acted as toastmaster in their wonted able style. Mr. O'Mara, in a few well selected words, welcomed the visitors and extended the hospitality of the club. He said it was very seldom that the president of the New York Florists' Club had the pleasure of looking down such a board as was there that night, something which augured well for next August in connection with the grand horticultural show and trade exhibit, and, he trusted, the greatest convention of the S. A. F. O. H. ever held. (Applause.)

Mr. May read letters of regret, for inability to be present, from ex-presidents S. A. F., Gude, Jordan, Norton and Anthony; also from R. G. Homer, J. M. Keller, Henry Hobart, John H. Starin, Ernst Asmus (who was detained on account of an accident to Mrs. Asmus), and F. W. Bruggerhof. In introducing President Wood of the S. A. F., Mr. May referred to the commemorative character of the dinner, which was the last the club would hold during the present century. He wished an era of success for all present during the year just entered upon, and for many more to come.

President Wood, who was received with great applause, adverted to the very harmonious meeting of the Executive Committee, the work of which was all but completed at that time. The officers of the S. A. F. are going to use their individual efforts in making the convention in New York not only the largest, but the grandest the S. A. F. has ever seen. He saw indications around him that the New York Florists' Club would also do its share in bringing the next meeting of the society to a successful termination. Referring to the committee on Co-operative Purchase, Mr. Wood stated that it had now been established on a firmer basis than ever before, and while all were not satisfied with the exact condition of it at present, still, it was going to exert a creative and stimulative influence in the S. A. F., to the membership of which, he believed, there would be a large acquisition the present year. Touching on the homelessness of the society, the president remarked that he wanted to see a home established for the S. A. F. O. H. in the great city of New York, that "would cost not less than $1,000,000 above the ground," and he hoped that a committee would be appointed to commence work, and see what could be done during the year; a statement which was received with great applause.

The next toast was "Horticulture on the Schuylkill Fens," which was replied to by Wm. K. Harris, of Philadelphia. He made a very humorous speech. Robert Craig, of Philadelphia, replied eloquently to the toast of "The American Rose Society," touching on the sentimental side of the rose, and also on its commercial aspect. He gave a brief sketch of the history of the Rose Society, stating that 50 of the leading rose men in the country had already identified themselves with the movement, and urged the necessity of every one interested in the rose joining the society's ranks. "We ought," he said, "to have 5,000 people in this country who will pay three dollars a year willingly to inaugurate this movement." Mr. Craig referred to the useful work which the National Rose Society of Great Britain is doing in the dissemination of helpful information concerning the rose and its culture. This is accomplished by means of a year book furnished to the members. This book contains the latest and best thoughts in connection with rose growing. He believed that there was room for the publication of a rose journal in this country under the auspices of the American Rose Society, in order to secure the greatest benefit to its members; but it required money to do this, and there-

fore an increased membership was particularly desirable. He spoke of the forthcoming exhibition of the Rose Society, to be held on March 27 of this year, in the Eden Musee, New York, and dwelt upon the necessity of the greatest variety of roses possible being shown at that time. He believed that although the American Beauty had supplanted the hybrid varieties, which heretofore had been grown extensively, the latter should receive more attention from rose growers than is now the case.

The next toast bore the rather unique title of "Saints and Sinners," and was replied to by J. D. Carmody, of Evansville, in his usual felicitous style. He dwelt lovingly on the numerous "earthly saints" which the State of Indiana had given to the country, both politically and commercially, mentioning the names of Hill, Dorner and others in the floricultural line. His idea of a saint was one who has made the world better in some respect by having lived; therefore all florists were saints on that account. A Southern anecdote was a fitting peroration to his speech.

Ex-President W. N. Rudd replied to the toast "The Prairie State and Horticulture," mentioning his first experience in connection with the trade. In the course of his remarks Mr. Rudd called attention to the fact that in the endeavor to advance the interests of what he called "the other little dinky societies," those of the mother society should not be forgotten, and he made an eloquent appeal for the support of the S. A. F., predicting that Mr. O'Mara would be its next president, and that the convention for 1901 would be held in the City of Chicago, because when Chicago went for anything she wanted she generally got it, and "don't-cher fergit it."

The toast "Horticultural Sports," was the one alloted to John Westcott, of Philadelphia. Mr. Westcott entered into the subject with his usual enthusiasm, and demonstrated that sports, such as bowling and shooting, were necessary concomitants of the meetings of the Society of American Florists. He stated that the Philadelphians were coming to New York in August next in larger force than ever before, and that if there were any trophies for shooting or bowling in sight that had not silver cords attached to them, the Philadelphians expected to have them. (Laughter and applause.) Mr. Westcott traced the origin of the Gun Club to Mr. Lonsdale's having shot a crow in Philadelphia; the origin of bowling was unfortunately lost.

John P. Cleary then gave a recitation, "Fagin's Soliloquy," and also a rendition on the piano. Arthur Herrington, of Madison, N. J., vice-president of the New York Florists' Club, replied to the toast of "Ornamental Horticulture," dwelling somewhat on the recent attachment to the title of the S. A. F., which he characterized as "a tail to the tailless horse." He thought the cognomen as it now stood was absurd, and that the name "florist" was all-embracing.

"Beantown Kopjes" was the subject allotted to Wm. J. Stewart. He treated it in his usual style, and assured his hearers that horticulture was flourishing in Boston, and that that city would be heard from in August. C. W. Ward replied to the toast of "The American Carnation Society," paying a high tribute to the recent acquisition in the carnation No. 666. Mr. Ward wanted it to be generally understood that there was no rivalry between the Carnation Society and the Society of American Florists. He believed that every member of the former was also a member of the latter, and if there was any carnationist not now a member of the Society of American Florists, he would do his best endeavor to have him straightway join.

"The City of New York" was the theme assigned to John Morris, who eloquently dilated upon the greatness and grandness of the Empire City, touching upon the huge welcome that would be extended to the delegates next August. Mr. Morris's words were loudly applauded.

Joseph Forsyth Johnson replied to the toast of "Suburban Horticulture." He stated he had dined with princes, dukes and lords, but the present dinner was one of the grandest and most enjoyable he had ever attended. He made an earnest appeal for more extensive cultivation of the monthly roses for garden purposes, dwelling on their magnificence and beauty, and the lengthy period in which they could be had in flower.

Charles F. Plumb then rendered "Love's Sweet Song" in a very acceptable manner. "River and Prairie Horticulture" was replied to by J. F. Sullivan, of Detroit. Mr. Sullivan wished the Florists' Club great success in connection with the work it had in hand, associated with the S. A. F. meeting. Benjamin Durfee, of Washington, made a few remarks on the future of the florist business in America, of which he took a very optimistic view. J. Austin Shaw read one of his original poems, a parody on Poe's "Raven," and entitled "The Rooster," in which he made some humorous references to the members of the Executive Committee and those of the Florists' Club.

Votes of thanks were tendered to the donors of the flowers and plants used in the decorations, and also, by the visitors, to the New York Florists' Club for its hospitality.

Among those present from outside were E. M. Wood, Warren Ewell, Fred. Mathieson, of Boston; Benj. Durfee, of Washington; Peter Duff, Orange; W. Duckham, Madison; Wm. Turner, Tarrytown; J. F. Sullivan and G. A. Rackham, Detroit; Messrs. Harris, Westcott, Cartledge, Burton, Lonsdale and Craig, of Philadelphia; W. N. Rudd, of Chicago; W. J. Palmer, Buffalo; J. D. Carmody, Evansville; E. H. Cushman, Euclid; W. W. Coles, Kokomo; F. R. Newbold and W. G. Gomersall, Poughkeepsie, James Dean, Freeport, L. I., and J. A. Pettigrew, Boston.

The list of donors and their donations included: Cattleyns from Lager & Hurrell, Summit, N. J., heaths and azalea, Anton Schultheis, College Point, L. I.; cypripediums, W. A. Manda, South Orange, N. J.; carnations from J. H. Taylor, Bayside, L. I., and J. G. Esler, Saddle River, N. J.; white lilac from C. W. Ward, Queens, L. I.; anthuriums and oncidiums from H. A. Siebrecht; Liberty rose from Ernst G. Asmus; mignonette from C. H. Allen, Floral Park. Carnations No. 666 and J. Whitcomb Riley from Dailledouze Bros., Flatbush; mignonette and Olympia carnations from John N. May, Summit, N. J.; asparagus from W. H. Siebrecht, Astoria, L. I.; cattleyas and cypripediums from A. Herrington, Madison, N. J., mignonette from Rudolph Asmus, New Durham, N. J.; bignonia cut sprays from David Gindra, Poughkeepsie, N. Y.; mignonette from R. McMillan, and galax leaves with other Southern greens from H. A. Bunyard.

The Executive Committee at Cottage Gardens.

On Thursday afternoon, 18th inst., the members of the Executive Committee S. A. F., and invited guests, to the number of twenty, were entertained to a dinner by Mr. C. W. Ward, at his home, Cottage Gardens, Queens, N. Y. Before the function an instructive tour of the greenhouses was made, and much information gleaned by the visitors as to the success of the sub-irrigation system, now in operation here, the many promising seedlings inspected, and much praise bestowed on the thriftiness and general air of prosperity and progressiveness which marks this large, modern establishment. A unique menu card was retained by the guests as a souvenir of a most enjoyable occasion. After the dinner, the Executive Committee held its final session, closing up the unsettled matters of its three days' meeting, and adjourning until next August.

CATALOGUES RECEIVED.

ALLEN L. WOOD, Rochester, N. Y.—Wholesale Catalogue of Small Fruits.

MCGREGOR BROS., Springfield, O.—Wholesale Price List of Plants for Florists.

J. H. H. BOYD, Gage, Tenn.—Price Lists of Tree and Shrub Seeds and Forest Seedlings.

C. W. EICHLING, New Orleans.—Illustrated Seed and Floral Catalogue. Everything for the Southern Gardens. A very complete catalogue.

THE GOULDS M'FG. Co., Seneca Falls, N. Y.—"How, When to Spray, and What Pumps to Use," contains valuable information as to formulæ for insecticides.

T. W. WOOD & SONS, Richmond, VA.—Descriptive Catalogue of High-Grade Seeds and Guide for the Farm and Garden. Contains a planting calendar and a list of novelties.

JOHN N. MAY, Summit, N. J.—Wholesale Trade-list of Roses, Carnations, Chrysanthemums, etc., including all the newest and best. A neat, well-printed, and finely illustrated catalogue.

HENRY F. MICHELL, Philadelphia.—Illustrated Catalogue of Seeds, Plants, Implements, etc. Contains a very complete list of novelties. Illustrations of Michell's mammoth strain of sweet peas, and of the "Superfine" flowering cosmos, make handsome covers for this pamphlet. Also Wholesale Price List of Seeds, Bulbs, Plants, etc.

J. M. THORBURN & Co., New York.—Annual Catalogue of High-Grade Seeds, Plants and Implements. A very comprehensive catalogue, important features of which are the condensed cultural directions for various subjects; also tables setting forth the hardiness, color, height, time of flowering, etc., of many of the plants offered. A color-plate of the new Salvia splendens, "Silverspot," accompanies the catalogue. A practical pamphlet in the strictest sense of the term.

HENRY A. DREER, Philadelphia, Pa.—Garden Calendar for 1900. A handsome publication containing a full list of novelties in vegetables, flowers and plants, with very comprehensive enumerations of standard kinds, embracing full collections of aquatics and greenhouse plants not generally catalogued. The covers are beautifully embossed, giving life-like representations in color of royal exhibition pansies and the new single dahlias. Also Dreer's Quarterly Wholesale Price List of Seeds, Decorative and Hardy Plants, etc.

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Rusts of Horticultural Plants.

Professor Byron D Halsted of the New Jersey Agricultural College Experiment Station, New Brunswick, N. J., delivered a lecture before the Massachusetts Horticultural Society Saturday morning last, January 13, on "The Rusts of Horticultural Plants." After introductory remarks he said in part:

Let us go to the vegetable garden and select one rust there for a brief consideration. That of the asparagus will perhaps be most to our interest, as it is very destructive, a new comer, and has certain points of importance not previously mentioned. It was in August, 1896, that the first specimens of American grown asparagus rust came to my notice, having been brought to the New Jersey Experiment Station with the statement that the beds from which they were gathered had ripened prematurely and the condition was alarming. A circular, stating the nature of the trouble and suggestions for preventive measures, was sent to the agricultural press and to all experiment stations, and from these sources it was determined that the asparagus rust was seen that year for the first time in New England, Long Island, New Jersey and Delaware. In 1897 it spread along the Atlantic coast as far south as South Carolina, where it became a genuine source of alarm in the large asparagus fields around Charleston. In 1898 the disease spread westward as far as Michigan and southward to Georgia. During 1899 Ohio, Indiana, Illinois and Kansas have been added to the infested area, and within the past month it has been reported from North Dakota. From recent personal observations in the field it has been found that the infection is aerial and not through the roots. This leaves it easy to see how the disease may be carried for long distances by the wind. It has been frequently observed that a bed of asparagus standing alone and surrounded by forests is much less likely to be badly rusted than those in the full open.

The asparagus rust fungus (Puccinia asparagi D. C.) introduces us to a species of rust which, while having its full list of forms, namely: teleuto, accidial and uredo stages, has them all upon the same kind of plant, and therefore its spread is in no sense dependent upon any other host. The cluster cup stage has not been at all common in America, but wherever occurring has been upon plants in the fence row or upon uncut beds. When an ordinary plant is first attacked the genuine yellow rust is only in evidence, but shortly after in the same pustules the darker final spores are developed, and in this stage the fungus hibernates. There are many sides to a question like that of spraying with fungicides. The asparagus has a different foliage from ordinary plants; in fact, the brush is made up of needle-shaped branches with a very smooth surface, to which the Bordeaux mixture does not closely adhere. More than this, the tips of the branches are so fine and delicate that they are burned to some extent by the ordinary mixtures. From various experiments in spraying the conclusion seems warranted that spraying with the standard Bordeaux mixture is not entirely satisfactory.

The chief information of value in connection with the study of the asparagus rust in New Jersey has been the determination of the greater resistance of the Palmetto variety, and also of a French stock, grown as yet only in a very limited extent. Growers are noting the good effect of clean, high culture upon the vigor of the plants, and are using considerable quantities of commercial fertilizers, particularly nitrate of soda, to produce a strong growth of top that insures a crop when the absence of it might result in a failure. Asparagus growers are working for a more vigorous but shorter life of the bed and a better rational treatment generally. There is a hope of a natural enemy coming upon the rusts and checking them. There are insects that feed freely upon the spores and sometimes clean out the minute pustules of their dusty spores. Certain species of fungi are parasitic upon the rusts, and in the study of the asparagus rust two were met with, one of which (Darluca filum, Cast.) was so abundant as to make it possible that it will prove a material check to its fungus host and possibly remove any anxiety connected with the ravages of the rust.

There are at least three rusts that have made themselves prominent among ornamental plants during the past few years. A leading rust in the flower garden is that of the hollyhock (Puccinia malvacearum Mont.) which came into this country in 1890, and spread with remarkable rapidity and fatality. It develops upon all parts of the hollyhock, as the leaves, stem and floral parts, causing them all to sicken and die. This rust is a good illustration of those that have only the teleuto form of the spore and the sporidia that grow directly from it. In other words, the cluster cup and uredo stages are omitted, and the first stage becomes the last, so far as spore development upon the host is concerned. The great rate at which the fungus spreads is to be accounted for largely because it hibernates as the living mycelium in the hollyhock, the young leaves of which exist as a rosette through the winter. As the warm, moist weather comes the orange patches upon the foliage enlarge and quickly develop spores that almost at once form the sporidia, which rapidly spread the rust to other parts of the hollyhock. Another observation that may be made in connection with the hollyhock rust is its scarcity at certain times. For example, in 1898 there was an abundance of hollyhock rust, while a year later there was almost none upon plants badly rusted the year before. It may be said in explanation that the conditions were unfavorable for the disease, and the health of the plants was restored. Good growing weather, with no excess of moisture, is the best ally of the victim, and if it comes in time many kinds of plants will recover from an attack that might be otherwise disastrous.

Another new rust is that of the carnation (Uromyces Caryophyllinus Schr), which reached us, probably from Europe in imported stock, in 1891, and is still in evidence in nearly all parts of the country. The conditions here are quite different from the open garden, for heat and moisture and a more or less confined air in the greenhouse supply the surroundings favorable for the growth and spread of the rust. The spray from the hose in watering, for example, is one of the best means of carrying the spores from a diseased to a healthy plant. The experiments that have been made with this disease are somewhat limited, but they go to show that preventive measures are better than attempted cures. From the fact that the carnation is largely an indoor plant and propagated by cuttings, it goes without saying that the stock should be healthy from which the cuttings are taken, and no rusted plants should be introduced into a house previously free from rust. One rusted plant under the circumstances of greenhouse growth may be ample to inoculate a whole bed, and this accounts for the sudden outbreak of the rust in houses hundreds or thousands of miles apart. Carnation growers are gradually acquiring a knowledge of the susceptibility of varieties, and are finding some sorts in this respect much more valuable than others.

The latest claimant for our attention among the greenhouse rusts is that of the chrysanthemum. As yet the advent of this importation from Europe has not been traced back of 1896, when it was found by Mr. Hastings of Fitchburg, Mass., and reported by Dr. Stone in the ninth annual report of your experiment station. From foreign correspondence it is gathered that it was rampant in France and then spread throughout England, where it was very destructive, particularly in 1898. With us it has increased quite rapidly during the past three years, and during the last one it has become decidedly troublesome. Up to the present time only the uredo form has been met with upon American plants, and therefore it is impossible to be sure of the species. While this is interesting from the standpoint of the botanist, it may be of no great economic importance. However, if the other forms are associated with the dandelion or similar related common wild species, the bearing of this knowledge upon the checking of the rust is at once apparent. This disease is so recent with us that there is very little in the line of remedies that has been determined experimentally. It being a greenhouse plant, propagated by cuttings, the precautionary measures are practically the same as with the carnation. The two rusts are, however, very distinct, belonging to different genera of fungi, and not transmissible from one host plant to the other.

In the treatment of our subject we have made a few selections of typical rust plants from widely separated host plants, and have endeavored to bring before the hearer some of the more important points connected with one of the leading groups of destructive fungi. We have seen that rusts infest herbs, shrubs and trees. The forests are not exempt from them, and even the giant pines are destroyed by them. The blackberry and raspberry rust is one of the most serious pests to growers of bush fruits. It shows itself in early spring, dwarfing the cane and ruining the foliage. When such an infected plant is cut to the ground the new shoots springing from the stock will also become rusted like the first growth of the year. Actual microscopic examination of the tissue of the root demonstrates the presence of the perennial mycelium. With these facts before us it is not strange that the multitudes of experiments made to eradicate the disease by spraying the plants result in failure. The Bordeaux or other mixture, when upon healthy plants, may help to prevent the spread of the disease; but when once within the tissues of root and stem it is out of reach of spraying compounds. It goes without any argument that all such rusted plants need to be dug up and destroyed, root and branch, and the earlier this is done the less likelihood there will be of the infection spreading by means of the spores. The burn heap is one of the best adjuncts of a well-equipped horticultural establishment. It excels greatly the rubbish pile. Ashes may be blown about by the winds, and no serious inoculations follow from them.

The "seed treatment," so called, for the prevention of diseases in grain fields, while of great value with the smuts, is not effective with the rusts. The oat or wheat smut spores are produced in the grain itself and healthy grains become smeared and dusted with the spores. The last resort in all cases when rust is suspected is to furnish the best possible conditions for the growth of the crop, bearing in mind that vigilance is especially demanded when the foe is at hand. Any neglect, as lack of light, air, food or water, or a surplus of the same, may engender a weakness that will cause the plants to fall a victim at the first opportunity.



House of Rawson's Hot House Lettuce.

Photo Taken Five Weeks from Planting Out.
Grown by E. Merritt, Monroe, N. Y.

Lettuce Under Glass.

In commencing operations for my crop of lettuce I first plant seeds in a flat 12x24x2 inches. When the plantlets have two leaves and the third one just showing I transplant them into 1¾-inch pots (thumb pots, as we call them), and when they have filled the pots with nice roots, enough to hold the dirt (am very careful not to have them rootbound), if we are ready for a crop to be planted, we set the lettuce out. If not ready for this operation we put them in a 2½-inch pot. We always use potted plants, and think this gives us a better plant and quicker results. We put our lettuce between our violet plants first, getting in a small crop to start with. Just as soon as we make the last shipment of violets, say Easter Sunday, out go the violet plants and then the lettuce business commences. We fill the houses with plants from 2½-inch pots, and in five weeks this crop is ready to sell. We always classify our plants, taking the largest and setting them out first in the bed; then the next size and so on, so when we clean the bed we are sure to have ready another lot in 2½-inch pots for the succeeding crop, and so on through the season.

Of course, this method takes lots of patience, but we think we are fully repaid in the quickness of getting in the crops so close together for market.

The illustration herewith shown is from a photograph of a house of Rawson's Hot House Lettuce, taken five weeks from planting out; but the picture does not give any idea of the size of the plants. I consider Rawson's Hot House and Boston Market the best paying varieties for forcing; but expect to put in a small quantity of Rawson's Crimpled Leaf also.

E. MERRITT.

THE EXPERIMENT STATIONS.

SOME HINTS ON ORNAMENTAL PLANTING.—Bulletin 41, North Dakota Agricultural College, Fargo. Furnishes also lists of hardy deciduous trees, shrubs and vines.

NUTS AS FOOD.—Bulletin 54, Maine Agricultural Experiment Station, Orono, Me. Contains the results of all available American analyses of nuts, and discusses the value of nuts as food for man.

ANALYSES OF FERTILIZERS.—Bulletin 160, New York Agricultural Experiment Station, Geneva, N. Y.

HUNGARIAN BROME GRASS.—Bulletin 61, University of Nebraska, Agricultural Experiment Station, Lincoln, Neb.

PRACTICAL FORESTRY OF THE ADIRONDACKS.—Bulletin 26, Division of Forestry, Department of Agriculture, Washington, D. C.

JAPANESE PLUMS, Fourth Report.—Bulletin 175, Cornell University Experiment Station, Ithaca, N. Y. Illustrates several varieties, and describes the most valuable.

ANNUAL REPORT, North Carolina Agricultural Experiment Station, Raleigh, N. C.—Discusses various matters of interest to horticulturists, and includes a list of the flora of North Carolina from Ranunculaceæ to Salviniaceæ.

EXPERIMENT STATION WORK.—Farmers' Bulletin 107, Department of Agriculture, Washington, D. C. Including fertilizer requirements of crops; persimmons, forcing rhubarb, etc.

HINTS and HELPS.

Nepenthes Propagation—The best material for cuttings is to be had now, and it should be taken off before the plants start fresh growth. Where the stock is not over-abundant, single eye cuttings may be taken, but these take a longer time to make satisfactory plants than do entire shoots with from three to six leaves. I always prefer cuttings of this nature, for, if the wood is at all ripe, they are almost certain to root. Take off enough leaves from the cutting so as to have the bottom part go easily through the hole of an inverted thumb pot; enlarge the hole if necessary, and plunge in sphagnum moss, in a propagating frame in which a temperature of at least 80 degrees F. can be kept up. Have the mouth of the pot placed in moss, and cover the pot closely around the neck of the cutting with the same material. Keep moist so as to have the space inside the pot saturated with moisture. With care, not a single root need be lost in potting.

Grafting Clematis—The large flowering sorts of clematis may be grafted successfully at the present time and onward, using pieces of the roots of such kinds as paniculata, viticella, vitalba, flammula, virginiana, and ligustrifolia. The roots for stock should be taken off at one time, and tied in bundles, with the thick ends together, placing them in moss till wanted. In grafting, the pieces of roots used for stocks should be cut off as wanted, so as to make certain that the cion is put on the proper end. Whip grafting will answer best, tie the stock and cion together with raffia, and place them in a box of chopped moss, standing the box in a propagating frame with a temperature of from 65 to 70 degrees. After they show that the graft has united they may be potted and gradually hardened off.

Oriental Poppies—Papaver bracteatum and P. orientale, with one or two other varieties, which vary in the color of the flowers, all of them first-class herbaceous plants, which were sown when the seed ripened last season and left out in a cool frame, may be brought indoors now, given a place in the coolest house, where they will shortly start into growth. If not sown too thickly nearly all of them will be fit to go in thumb pots, and some probably large enough for 3-inch. Keep the soil only fairly moist and they will make plants large enough to send out when the time arrives for planting out-of-doors.

Gloxinia Tubers which have been left under the stage to dry off in their flowering pots should be looked after, because when they get too dry they shrivel and are in danger of rotting. Shake out from the old soil and range in boxes of sand; those which show signs of growth should be boxed by themselves, and those which are dormant likewise. They may be kept dormant by withholding water and keeping them in not too high a temperature. For starting now, place the ones which show life in a min. temperature of 65 degrees, and give a slight sprinkling overhead now and then. When the growths are an inch or so high the tubers may be put in pots, according to their sizes, using soil in which there is a considerable quantity of Jadoo or leaf mould; about a fourth of the whole should be well rotted cow manure. Seeds of gloxinias should be sown without delay. Sow thinly in boxes; have the soil light and firm. Water well a day or two in advance of sowing. Cover the seeds, and no more, with finely sifted soil, and cover the box with panes of glass until germination takes place. The seedlings may be allowed to grow until large enough to be put singly in 2-inch pots. These seedlings should flower before midsummer.

Habrothamnus as a Christmas Plant.—There are two or three red-flowered species of this genus which make quite a creditable display of showy flowers for this purpose. One feature in their favor is the easy manner in which flowering plants can be got up. The old plants are put out in the border in late Spring, and allowed to grow all they want to. As soon as cool weather approaches the tips of the growths are rooted and put in 3-inch pots. After having been grown a while in a warm house they are put three together in a 6-inch pot to flower. Being principally Winter-flowering plants the ends of the shoots which were rooted is the flowering material; this only should be taken for cuttings to make sure of bloom.

Protecting Spring Bulbous Plants.—In places where bulbs are permanently planted, the past few months have been exceedingly favorable to their growth, so much so that bulbs of scilla, chionodoxa, narcissus, muscari and hyacinths have their growths above ground by this time. Where the snow covers them they will take no hurt, but otherwise they must have a covering of old manure or half decayed leaves at least an inch or two deep, so as to prevent rapid thawing and freezing.

Acalypha Sanderii, or hispida, as the correct name appears to be, does not seem to produce any male flowers; perhaps they are only borne on large-sized plants. However, the flowers seem to be capable of setting seed after the application of pollen from some of the gaudy leaved kinds, such as Musaica and Wilkesiana. The seeds on the plants here are not yet mature, and perhaps the seedlings may not amount to much, but it is not unlikely that a hybrid may be had having the showy flowers of one species combined with the handsome foliage of others. Those having plants of the different species should give this matter attention.

The Papyrus, after being lifted from its Summer quarters, where the growths made are usually very strong, usually gets into a half sickly state during the Winter months from which it takes it some time to recuperate after being replanted outside. In Winter the growths are grassy and spindling. By the way, I doubt very much if the true Cyperus papyrus is in common cultivation, the one generally grown under that name being an entirely different species. However, that is a small matter, as the one commonly grown under the name of Cyperus papyrus answers the purpose for which it is used, quite as well, if not better, than the true species. What I started out to say is that if the old plants are taken in hand now and split up into the smallest pieces and put in the sand bed of a warm house, they will, in a few days, push out fine, healthy roots, and when potted in a mixture of equal parts of moss, sand and manure, will grow very vigorously, and will be in splendid trim for the planting-out season. If it is desired to increase the stock, the young plants, after being in the pots for a few weeks, can be re-divided and the operation of rooting gone through as at first. In the absence of a propagating bench a box of sand placed on the hot water pipes answers the same purpose.

G. W. O.

BRIEFS FOR BUSY FLORISTS.

CARNATIONS.—Watering is one of the most important items at this season of the year for the successful production of good flowers. While the roots of carnations revel in a moderately moist soil, they resent any attempt to keep them unduly saturated, and fail to give good results when constantly over-watered. They are also very quick in showing a lack of moisture in the soil, by the foliage wilting if the sun's rays strike upon it when the benches are on the dry side. We find that in watering roses, extremes may be approached much closer than is the case with carnations. For instance, the rose, with its much stronger roots, may be given a thoroughly good soaking, and then allowed to become quite dry again, before further watering is necessary; in fact, before the plants show signs of wilting, the soil would have to be almost dust dry. On the contrary, the carnation requires a more even state of moisture in the soil, and has to be watered accordingly, thus necessitating closer attention in this respect than roses. Full directions for watering can not be explained on paper, as each different soil has to be treated according to its own requirements; but, if the same man be put to water the same benches all through the season, he soon gets to understand the nature of the soil, as regards its needs for water, and governs himself accordingly. The principal feature to be observed is, that a closer line must be drawn to an even state of moisture with carnations than is necessary with roses and various other florists' flowering plants.

DUTCH HYACINTHS will force reasonably well now, and a few should be brought into the house at intervals.

IF THE RAMBLER AND H. P. ROSES are not already in the cool house get them in without delay. Syringe every day to induce the buds to start, but water sparingly. As the leaves develop more heat and water should be given.

POT-GROWN STOCK OF CLEMATIS can be had from nurserymen, and these are elegant subjects for forcing for Easter. In potting, etc., do not give them too large pots. Afford them an intermediate temperature until growth is fairly started, say from 50 to 54 degrees. When fairly in leaf they will stand a higher degree of heat, and can be had in flower easily when desired.

ANOTHER USEFUL FLOWER that may be had in time for Easter is the paeony. Plants of these should be potted up now, and where the clumps are too large they can be divided to suit the size of the pots. Let the forcing commence gradually, increasing the heat as growth develops.

FERN BALLS.—These come in all shapes, but the ball-shape seems to be the greatest favorite with the public. We can recommend them as being profitable to grow, and every owner of greenhouses doing a general trade should, at least, have a few of them. No special treatment is required to bring them to perfection, and as they can be suspended from the rafters in a palm or fern house they take up no valuable space. An occasional dip over-head in a pail of water is all the care needed, and they last indefinitely.

CORN FLOWER (CENTAUREA CYANUS).—To have this in flower early sow seed now, and when large enough to handle transplant the seedlings into thumb pots. Stand them close together in a warm house, and each plant will throw up a straight shoot with a flower at the top. Of course, each plant only produces one flower, but the seed is cheap, and the plants occupy but little space compared with the value of the flowers when sold early in the Spring.

In Remembrance of the Maine.

In the Michigan Central's depot garden at Ypsilanti, Mich., a floral monument, formed of over 20,000 plants, was in full splendor last season. It was designed in memory of the battleship Maine by the road's gardener, John Laidlaw, who last year made a floral battleship for the same purpose. The monument was 22 feet high and 20 feet across the base, surmounted by an eagle 2 feet 7 inches high, standing upon a globe 2 feet in diameter. Below this was an octagonal cone, 14 feet in height, resting upon an ornamental base, at the eastern and western extremities of which, upon a gable peak, a miniature battleship Maine was set. In dark red lettering near the base the words "Erected by the Michigan Central R. R., in Remembrance of the Maine" were plainly set out. The following plants were used in the design: Alternanthera versicolor, 1,820; A. aurea nana, 3,010; A. spathulata, 980; A. paronychioides major, red, 2,200; Echeveria metallica, 2,985; E. secunda glauca, 365; Sedum variegatum, 8,540; Oxalis corniculata, 400. Or, in other words, 20,300 plants were required for the monument. This is only one of the handsome floral designs erected along the line of the Michigan Central Road, which for nearly a quarter of a century has been beautifying its station grounds more elaborately from year to year.—Chicago Times-Herald.

For the accompanying illustration of this monument, we are indebted to Mr. O. W. Ruggles, general passenger and ticket agent of the Michigan Central R. R.



Floral Monument Erected at Ypsilanti, Mich., in Remembrance of the Battleship Maine, by Michigan Central R. R. John Laidlaw, Gardener.



Insertion will be given in this column to all communications free from animus, but the opinions expressed do not necessarily reflect our own.

A Living Profit and a Living Wage.

In response to your request regarding the article "A Living Profit and a Living Wage," I would say that in a country so large as the United States, with the members of the craft so widely distributed and separated from each other, I do not think that an effort for association on the lines laid out in the article would meet with success. In order to accomplish anything of this kind it would be necessary that each and every member of the craft would adhere to a fixed minimum price. Thus far all combinations or agreements to sell goods at a fixed price have resulted in failure, and have also resulted in the larger concerns getting the advantage of the smaller. In some instances, where a combination to fix prices for a certain period exists, the stronger members of the combination lower the price to the minimum at a certain period of the year. This lowering of price by the large concerns of course forces the smaller concerns to follow suit, and orders are stimulated while the prices remain low. The large concerns at this time will turn off a great portion of the orders upon the ground that their production is sold ahead, and they will accept only such orders as they deem necessary to accept, in order to hold certain lines of trade, the result being that the stimulated buying at the low price is turned into the smaller concerns who accept the orders at the lower price. When these smaller concerns are filled up to the extent of their production the larger concerns then get together, and up goes the price, the result being that the large concerns get the trade that goes at the profitable margin. This, of course, results in the financial weakening of the small concerns and the strengthening of the large ones.

There is another feature that would prevail largely in the florist business and that is, some are so situated that their fuel expenses, wages, etc., are much less than other members of the craft, and these members would insist upon placing the price so low as to give them the bulk of the trade, and even if they made an agreement to maintain higher prices, this agreement would be broken whenever they saw the trade leaving them. Another feature that would have to be taken into consideration, and which I think would effectually dispose of the plan, and that is, the National Anti-Trust Legislation. As I understand this law, any combination to maintain prices, or to do away with natural competition, is illegal.

Anything that could be done, however, to induce the producers of any species of merchandise to keep close track of the cost of production and to sell only at a profit should be encouraged. Unfortunately, a large proportion of the manufacturing producers in all lines of merchandise are not given to a close reckoning of the costs. Many of them are engaged in business in a small way with limited capital, and are making simply a living and produce no surplus from their business. Such, of course, are frequently forced into distress by the exigencies of their business and many times are forced to cut prices and move their goods, in order to get money to meet pressing obligations, and of course a combination to maintain prices or to influence prices utterly fails when men of this description actually need money. This state of affairs probably prevails to a greater extent in the florist business than in any other trade; as we all know, a large proportion of the year the florist's receipts are almost nil, while during that time he is obliged, through depreciation of his plant and other causes, to lay out large sums in repairs, production of stock, wages, etc., consequently, when the selling season arrives he is usually out of funds, frequently in debt and hard pressed, and at such period he welcomes the first sale, even though the price be not what it should be. In order to make such a combination successful it is necessary that there be a continuity of understanding between all the members of the craft, a difficult thing to bring about in the florist business, on account of its members being so widely separated.

The combination of growers to maintain the prices of cut flowers some few years ago was not highly successful, and, in my opinion, a combination among the 10,000 or 15,000 florists who comprise the florist trade of America would not be any more successful than was the combination of the 100 growers to control the prices of cut flowers in the New York market. However, the discussion is timely and the matter should be threshed out. There is no question but what a large proportion of the plant product of the United States is being sold at much less price than need be. Prices are fixed by a great many plant growers without any reference whatever to the cost of production. I have no doubt that many florists, in fixing their prices for plants, do not reckon their own labor nor do they reckon interest on the capital invested, nor do they reckon the depreciation of their greenhouse plant, and the cost of keeping the same up, in addition to the cost of rebuilding the same when it has become practically obsolete; so that the chances are that a great many florists, after spending their lives in hard labor, will find that their earthly possessions have not been increased, owing to the fact that they have sold their output at a price below the actual cost of production should such costs have been properly ascertained. C. W. WARD.

Queens, N. Y.

Replying to your inquiry of the 6th, inclosing copy of a clipping from another paper, I cannot see how this can have any bearing upon our business whatever. It may be all right for the manufacturer of staple goods, but ours are of such a perishable nature they must be sold the day they are put on the market; so it's an impossibility to control prices or anything of the sort. JOHN N. MAY.

The Position of the Hybridizer.

Editor Florists' Exchange.

I was much interested in your answer to the query of "Workingman," in your issue of January 6, page 10. Being a hybridizer myself, I consider the question and answer timely and proper. I wish to say I believe you to be correct in your conclusions, that the stock and the profits belong wholly to the employer, while the credit or honor of having produced a valuable novelty belongs wholly to the employe or originator. I never could see this matter in any other light.

As to the concluding sentence of your reply, I beg to differ from you; and may I ask, in support of my belief that Mr. G. P. Rawson, Smith & Son, H. A. Molatsch, W. P. Binder and John N. May state through your paper if they individually, personally, with their own hands, have done the hybridizing, the results of which have made them so famous as originators of new chrysanthemums within the last few years? I have certain positive knowledge in regard to this matter, but it would, I think, be interesting to many of your readers to have a statement direct from the pens of the above mentioned growers, whose names I have copied in regular order from the last printed report of the secretary of the C. S. of A. E. S.

Potting Genista Cuttings.

Editor Florists' Exchange.

In your practical Hints and Helps, issue of January 6, G. W. O. does not make himself clearly understood in reference to the genista cuttings. After trimming them up with a pair of scissors he advocates putting them two inches in the sand. How much ought to be left out? Then he goes on to say they should be potted into the smallest size pots, which would necessitate putting the cuttings through the bottom of the pot; that is, if they were potted as deep as they were planted in the sand. A. H.

Germantown, Pa.

—Why pot so deep? G. W. O.



(9) **Worms in Rose Soil.**—If you could give any information regarding a small white worm, of which there are hundreds in our rose soil, we would very much appreciate it. The worm is from ¼ to ½ inch long, somewhat similar in appearance to our common grub. On close examination a small, apparently black head is perceptible. As you know from previous communications our roses have not been a success, although they are improving now. We laid the fault to the soil, and do not know whether the worm has been the cause of any trouble. A. D.

—The worm mentioned is probably one that has been introduced to the soil when stable manure was mixed with it. From the description given we cannot tell just what worm it is, but we think a good application of lime water to the soil will destroy them.

(10) **Forcing Spiræas for Easter.**—How soon should I pot up spiræas to force for Easter—April 15, 1900. After potting, what temperature should the plants be subjected to? Should they be put on benches at once, after potting? A. J. S.

—Pot up the spiræas at once and place them in a temperature of 50 degrees and after growth has started give them a temperature of from 55 to 58 degrees at night. Soak the clumps in water a few minutes previous to potting them.

(11) **Carnations for Pots.**—There are so few carnations tried as pot plants, that a list of what the best varieties are for that purpose might be misleading, as with fair treatment one variety will do as well in a pot as another. The shorter-growing kinds are to be preferred for pot work, and the selection of what to grow should be made along that line. A list of the best up-to-date varieties follows:

WHITE.—Flora Hill, White Cloud and John Young.

PINK.—Mrs. T. W. Lawson, Ethel Crocker, The Marquis, Mrs. F. Joost and Governor Griggs.

SCARLET.—G. H. Crane, America and Jubilee.

CRIMSON.—General Gomez and General Maceo.

CERISE PINK.—Maude Adams and Tidal Wave.

(12) **Early and Late 'Mums for Pots and for Cutting.**—Best six early chrysanthemums for pots are: Bergman, Montmort, Midge, Mrs. Robinson, Polly Rose, Yellow Monarch. Best six late: Yanoma, Bonnaffon, Mrs Jerome Jones, J. Shrimpton, W. H. Lincoln and Maud Dean. For cutting, the same varieties will be found among the best, if planted out and disbudded in season.

(13) **Leaves of Roses Dropping.**—Bride, Bridesmaid, Perle and Wootton, in same house that were planted in coarse sod and old cow-manure in August, produced a fair crop up to Christmas. They are now losing their leaves. They acted in the same manner last year about the same time. The night temperature 60 degrees; day, with sun, 70 to 80 degrees. I saw in the Montreal Herald and Star that it may be a worm that is eating the young roots as fast as they are made, and thus the effect. Is there anything in this theory? CANADIAN.

—We would suggest that one or more of the plants be dug up and the roots examined. If you find galls attached to the roots then eel worms are the cause of the trouble, and the remedy is hard to suggest. Should there be no galls we would advise a more liberal use of water at the roots than has been given heretofore; it is just possible that the bottom of the bed does not get all the water needed.

Carnations at St. Louis.

The annual carnation meeting of the St. Louis Florists' Club was held January 11. Those who did not attend missed a treat in the way of a fine show of that popular flower. The new varieties were all from out-of-town growers, namely, the Chicago Carnation Co., Witterstaetter, Cincinnati; E. G. Hill & Co., Richmond; H. Weber & Son, Oakland, Ind.; Fred Dorner & Sons Co., Lafayette, Ind. Witterstaetter made an extra fine showing of several varieties, some of which, without question, must become standard sorts, especially his large pink, Enquirer, which measured 4 inches across, with stem, calyx, color, etc., also in its favor. The white variety, Elinore, is a splendid carnation, and it will no doubt find a ready sale when placed on the market. Ethel Crocker and Genevieve Lord held their heads high; both are elegant pinks, though the former, owing to close cutting, lacked considerable of being full size, as explained by Messrs. Weber & Son, who exhibited the variety. Hill Co.'s Indiana seemed to us about the finest red we have yet seen. Their J. Whitcomb Riley is a grand variety; extra fine in general appearance.

A committee consisting of Messrs. Kunz, Guy and Ude was appointed by the chair to pass upon the exhibits; they reported as follows: In the Chicago Carnation Co.'s exhibit Maceo, G. H. Crane, Gold Nugget, Bradt and Red Bradt, or Chicago, all very good; H. Weber & Sons' seedlings Nos. 30 and 111, extra fine; seedling No. 111 worthy of mention. Genevieve Lord, extra fine pink. Witterstaetter's Rosamond, worthy of mention; Rosylyn same; Elinore, white, worthy of further trial; Estelle, worthy of mention; Enquirer, certificate of merit. Opal was also shown. E. G. Hill & Co.'s Ethel Crocker, one of the best pinks; J. Whitcomb Riley, worthy of mention; Indiana, certificate of merit. F. Dorner & Sons Co.'s White Cloud, Crane, Bradt and Morning Glory, all good. The delicate color of the latter took the fancy of many present, who pronounced it an excellent variety, though its size was not large.

Vases of well-grown standard varieties were shown by Messrs. Joblauski, Connon, Emmans and others.

The club desires to return thanks to the exhibitors for their grand and instructive displays. C. C. S.

OBITUARY.

George W. Houghton.

George W. Houghton, a pioneer florist of Long Branch, N. J., died at Red Cloud, Neb., January 9, aged 80 years. Five children survive him.

TOBACCO STEMS
"Good Strong Kind."
60 CTS. PER 100 LBS.
BALES WEIGH 500 LBS.
TOBACCO DUST
"THE BLACK STUFF."
Fine or Coarse to Your Order
50 to 1000 lbs., 2 cents per pound.
H. A. STOOTHOFF & CO.
154-156 W. 27TH STREET, N. Y. CITY.

Tobacco-Whale Oil Soap for syringing for washing plants. We Know its Goodness. All Seedsmen Keep it

Boston.

The Market.

Business has continued very quiet during the past week. The demand at the wholesale markets is light, except for the finer grades of stock.

American Beauty are abundant, and though there is some demand for the better grades, yet it is insufficient to clean up the daily consignments. Prices are dropping every week and now but $35 to $40 a 100 is realized for fine grades. Bride and Bridesmaid, too, are very plentiful; in fact, in overstock. Kaiserin and Carnot continue scarce, but for the former there is little demand. The latter, however, do well, but not at such high prices as heretofore.

Carnations are very plentiful; the great bulk of them make but $1 a 100 and move slowly, many of the smaller grades selling at 50c. to 75c. Choice grades now average $1.50 a 100, and extras and fancies go to $2. The better grades clean up fairly well.

Violets are becoming much more plentiful and prices are lowering. Valley is plentiful at usual prices.

Bulbous stock is increasing in varieties and in quantity. Yellow narcissi do fairly well at about the same prices as last quoted.

Mass. Horticultural Society.

The society's schednle for the year 1900 shows, the following appropriations for prizes and gratuities: For plants, $2,000; flowers, $2,531.50; native plants, $186.50; fruits, $1,732; vegetables, $1,200; gardens, greenhouses, etc., $500.

The Committee on Lectures and Publications have submitted their program for the year 1900 as follows:

January 13—The Rusts of Horticultural Plants. By Prof. B. D. Halsted, New Jersey Agricultural College Experiment Station, New Brunswick, N. J.

January 20—Half a Century's Experience in Ornamental Tree Planting. By O. B. Hadwen, Worcester.

January 27—The Procession of Flowers. (Illustrated). By Miss Mira Loyd Dock, Harrisburg, Pa.

February 10—Gardens, Fields and Wilds of the Hawaiian Islands. By John K. M. L. Farquhar, Boston.

February 17—The Future Outlook for the Fruit Grower. By S. D. Willard, Geneva, N. Y.

February 24—Stereopticon Lectures on Massachusetts Forestry. (Under the auspices of the Massachusetts Forestry Association.) By Mrs. Mary Lathrop Tucker, Newton.

March 10—Carnations and Their Development. By C. W. Ward, Queens, N. Y.

March 17—Japanese Plums. By George S. Butler, Cromwell, Conn.

Jottings.

Messrs. F. R. Mathison and Warren Ewell have gone to New York.

Messrs. Norton Bros. had a large decoration on Friday for a private subscription party on that evening.

Welch Bros. are receiving shipments of orchids quite frequently. I saw a choice box of cœlogyne opened there last week.

Charles S. Cooper, of Brockton, is also bringing in some fine cattleyas, but the demand for them is not very brisk. Mr. Cooper intends going into orchid raising much more extensively next season, and no doubt could, with a fairly steady supply, find quite a market for them. The main trouble has been that retailers were never sure of a steady supply of orchids, and, when these flowers were ordered at short notice, were very often forced to refuse orders rather than disappoint customers. F. J. N.

Newport, R. I.

The Newport Horticultural Society continues to prosper; at the meeting held on the 10th inst. it was voted to hold two shows this year—a rose and strawberry show in June, and the annual chrysanthemum show in November. At this meeting eleven new members were elected. The annual ball is to be given at Masonic Hall, February 7.

Charles Harn, formerly gardener for Hon. Perry Belmont, has taken a five-year lease of the Wm. Findlay place on Bliss Road. MAC.

Chicago.

State of Trade.

The early part of last week it was hard to dispose of all the flowers coming into this market and maintain prices. Toward the end, owing to dull, cloudy, weather, and a shortening up in the supply, a change took place, which the succeeding days seem so far to intensify. There was nothing left over on Monday or Tuesday in the way of roses, even shorts fetched $3 to $4 without difficulty; fancy Bride and Bridesmaid, $8, and for choice Meteor, $10. American Beauty still keep up well, long stem, choice, bringing $5.50 to $6 per dozen; medium, the best sellers, $3 to $4.50.

As regards carnations they are more abundant, and it is hard to hold up prices, this being true of all grades; $4 to $5 is as high as the very choicest blooms will bring, with $2 to $3 for such as a year or two ago would have been called fancies. Lilies are in heavier supply. Jonquils are selling freely at $2.

Prepared palms seem to be quite a fad nowadays. Some contend they interfere with the sale of natural plants; this, however, is questionable, as their use is mostly confined to decoration in store windows, in restaurants and places where, at present high prices for growing stock, the latter would hardly be employed.

News Notes.

L. A. Vaughan started out on an extended trip the past week.

Charles Shafer, formerly of Rose Hill, is settled now at Kankakee, with the expectation of building greenhouses the coming Spring.

The Vermont Fern Co., G. N. Worth, manager, has opened a depot at 51 Wabash avenue (Deamud's).

The C. B. and Q. Railway has now, at Aurora, near its car shops, seven greenhouses, in charge of Anthony Warnemont. Flowers, mostly roses, are grown for distribution in the dining cars, and plants for decoration of the stations.

The J. C. Moninger Co. has the order for the cypress for the Wietor Bros. big range of new houses.

C. W. Scott, representing Vaughan's seed store, is making a Western trip. Vaughan's store took in half a car-load of Japanese fern balls the past week.

J. A. Budlong has changed his plans, and is now preparing to build five houses, 300 feet long, instead of three. He has purchased 750 boxes of glass. The new houses will be planted with American Beauty roses; part of the present Beauty houses (three, each 300 feet) will be put in Bride and Bridesmaid. The new houses will be heated by steam.

J. C. Vaughan and O. P. Bassett leave this week for New York.

E. C. Amling has now finished, in his new quarters, a splendid office, and a cooler, 12x8 feet.

Visitors—C. H. Frey, Lincoln, Neb., and F. A. Belt, Sterling, Ill. ESS.

Montreal.

The Market.

Business continues very quiet and prices are about 50 per cent. below the Christmas level. Flowers are very plentiful and of extra quality. The now customary "please omit flowers" after the death notice of prominent citizens is being emphasized, and is having a very depressing influence on this class of work. Bulbous stock is making its appearance in small quantities, but at present the quality is below the average.

Notes.

The feature at the Forest and Stream just now is McHugh's cyclamen. A pair of whites in 8-inch pots have over 200 perfect flowers each. The head of the flowers is 2 feet in diameter, while the flower stems are about 1 foot to 15 inches in length. A lot of plants ranging in color to deep crimson have 100 to 150 flowers each; the whole present the appearance from a distance of an extra quality lot of azaleas. A fine lot of heaths at Campbell's, which were tied up with red tape until after the Christmas rush was over, are now moving very slowly.

Logan Girdwood has some very fine specimen cœlogynes in his window; they are in little demand. B.

St. Louis.

The Market.

Business has been only fair in the retail line since last report, and notwithstanding the very mild, open weather (we had bees flying around January 15) stock is in rather short supply. Roses are off crop. There is no surplus of anything, except, possibly, violets, which are now arriving quite plentifully, and sell for 75c. per 100 for California; 45c. for small single. Roses go at 4c. and 7c., according to quality. Carnations bring 2c. for common and 4c. for fancy; callas and Harrisii, 10c. to 12c.; bulb stock is selling better than it has done, at 3c. for Romans and Paper Whites. Beauty is scarce and of poor quality—at $5 per dozen for the best.

Club Meeting.

At the meeting held on the 11th inst., the report of the chrysanthemum exhibition committee showed some outstanding premiums, which will be collected as soon as possible, when a final settlement will be made.

Friday, February 23, is the date set for the club's euchre party; tickets will be ready soon and the committee given full power to act.

Chas. Connon was elected an honorary member by a unanimous vote of the club. The applications for membership of Henry Blixter, Edwardsville, Ill., and H. C. Irish, of Missouri Botanical Garden, were presented.

A Co-operative Purchase Plan.

Max Herzog made a suggestion, which met with unanimous and immediate approval, to the effect that the club unite, and through a purchasing agent, who was appointed by the chair, buy collectively such stock as each member required, thus getting the benefit of the lower prices made by the 100 and 1000 rates, and insuring better attention as to quality from the seller. C. A. Kenhn was selected as agent, and time, until February 1, given for members to make up their orders.

News Note.

We understand that John M. Hudson, the original wholesale cut flower commission man, of St. Louis, is about to open up again in the same line. C. C. S.

Louisville, Ky.

There has not been much improvement in business during the past week. Prices remain the same. Carnations and roses are plentiful; violets are improving and coming in more freely. For several days past the weather has been very mild, as a day temperature of 55 to 60 degrees would indicate. We have also had some sunshine and no doubt the quality and quantity of flowers will improve.

Jacob Schulz has a beautiful rhododendron in full bloom displayed in his window

C. W. Reimers has some good Harrisii lilies in flower. J. S.

Grand Rapids

Trade Notes.

For the past two weeks the weather has not been very good for growing purposes. Roses are now too plentiful. Carnations are now getting a chance to improve in quality, and get ahead a little in quantity, as they have been kept picked so close that it was hard to give them time to open properly. Business has been sound as a dollar. Some fine azaleas and Romans are seen at the stores, the latter are mostly in pans and make a fine selling plant. Harrisii are becoming more plentiful, and violets, with some, are all that could be desired, while others are picking next to nothing. C.

Toronto Junction, Ont.

The Toronto Junction Horticultural Society was organized recently, and the following officers elected: Honorary president, A. Gilchrist; president, Mr. F. C. Clobeck, B. A.; first vice-president, Mayor Laughton; second vice-president, Mrs. Gilchrist; secretary, Mr. W. H. Post; treasurer, Mr. R. C. Jennings, with nine directors and two auditors.

Mr. Gilchrist outlined the work considered necessary for the society to take up.

A resolution was adopted in favor of affiliating with the Ontario Fruit Growers' Association. Regular meetings of the society will be held on the fourth Tuesday of each month, and if the consent of the Council be obtained the meetings will be held in the Council Chamber.

Madison, N. J.

Rose growers around Madison are likely to keep their end up for some time yet in producing good stock—if the few we were enabled to see during a recent visit to that town give a fair idea of the quality of the stock grown by the majority of those located there. Madison is such a rambling place, and the growers are so widely separated from each other, that only a very small proportion of them can be seen in one day. There is about one million square feet of glass in the town devoted to roses, and the annual output is something enormous. Marmadnke Tilden's place is under the management of J. McNulty, and the 20,000 feet of glass is devoted to Beauty, Bride and Bridesmaid. A few Bon Silene are grown on a side bench, but these are only for domestic use. The crop of Beauty had been heavy for the holidays, and the plants are again breaking strongly from the bottom.

At the old Slaughter place the greenhouses are now leased by E. Brandt. There is about 44,000 square feet here and Beauty are grown principally, though one house is devoted to Meteors. The Beauty are looking very fine and show promise of an abundant crop in the near future. These houses are somewhat old style, yet Mr. Brandt succeeds in producing large cuts of first-class roses.

L. A. Noe has ten houses of Beauty and one house of Meteor, with Bride and Bridesmaid planted on the side benches—altogether about 45,000 feet of glass and a new house in course of construction. The Beauty and Meteor are in excellent condition and are producing heavily, but the Bride and Bridesmaid have suffered from eel worm to quite an extent. J. J. Ruzicker is foreman here and has reason to be proud of the excellenee of the Beauty marketed.

J. M. Noe's establishment is also devoted to roses, excepting one house, which was filled with well-grown Adiantum cuneatum. There are about 50,000 feet of glass here, with a new house almost completed. The foreman, Mr. Laesser, informed us that it was intended to double the size of the range this coming Summer, which is a most convincing fact that growing good Beauty pays.

Springfield, Mass.

The new officers of the Hampden County Horticultural Society are: Jacob C. Lutz, president; Adolph Miellez, first vice president; Joel H. Hendrick, second vice-president; Hon. L. D. Robinson, third vice-president; J. Stewart Kirkham, treasurer; William F. Gale, secretary. The Board of Managers recently appointed a committee to confer with a like committee to look into the matter of uniting this and the Amateur Horticultural Society as one. This committee reported a plan which was adopted by a unanimous vote at a meeting of the society. The committee from the other society made a like report, which was adopted by a majority vote of that society. On account of this lack of unity the Hampden County Horticultural people, at an adjourned meeting, voted to rescind their former votes, and so will continue in the same high path as of old. New life will be introduced, and plans are already under way for the exhibitions of the year. The society has never been incorporated, although it has entered its thirty-ninth year. The life membership is now $5, but an effort will be made to increase this to $25.

W. S. Chapell has sold his florist store, Main street, to Wm. Schlatter & Son, who will conduct it in connection with their greenhouses, at Oak Grove Cemetery. Mr. Chapell will devote his time to his drug business in the western part of the state. Mr. Knox, who has been Mr. Chapell's manager, has engaged with Mark Aitken.

L. D. Robinson, Jr., has leased the greenhouse of J. F. Wright, and will conduct it in connection with his new place, built last Fall. Mr. Wright will retire from the greenhouse business.

A new chimney is going up at Mark Aitken's place, a high wind having toppled over the old one, fortunately without breaking any glass.

Bucklington & Chetam have bought one of the boilers from B. J. Shaw's place recently destroyed by fire, their heating apparatus not being sufficient to carry the new glass added this season. This firm had several hundred lilies pinched by Jack Frost during the first of this month. W. F. G.

SCHMIDT'S PANSIES Have no Equal.

Comprising the cream of all the Leading Strains, Large, stocky plants, 50 cents per 100; $3.00 per 1000; 10,000 for $25.00.

DAISIES (Bellis), strong plants of the largest double varieties, Longfellow and Snowball, 50 cents per 100; $3.00 per 1000.

MIGNONETTE, Allen's Defiance, fine plants, 50c. per 100; $3.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

FUNKIA LANCIFOLIA GREENLEAFED.

A fine hardy bordering plant. The spikes of Lavender-blue flowers are nice for funeral work, $2.00 per 100; $15.00 per 1000.

EULALIA striated, $2 00 per 100.

PANSIES, $4.00, $10.00 and $12.00 per 1000.

Would exchange for carnations or other stock needed.

W. C. JENNISON, Natick, Mass.

Mention the Florists' Exchange when writing.

CYCLAMEN PERSICUM GIGANTEUM

No finer strain on the market. Transplanted to flats, $2 00 per 100; $18.00 per 1000.

Forget-Me-Not, stocky pot plants, $2.00 per 100. Large clumps for benching or dividing, $4.00 per 100.

Baby Primrose, in bud and bloom, $3.00 per 100.

Rudbeckia, Golden Glow, $3 00 per 100.

Double Petunias, in splendid mixture. Rooted cuttings, $1.00 per 100.

Alternanthera, 50 cts. per 100; $4 00 per 1000.

ORANGE FLORAL CO., West Orange, N. J.

Mention the Florists' Exchange when writing.

PELARGONIUMS

Mrs. Robt. Sandiford, Mme. Thibaut, and Mme. Vibert.

2½ inch pots, strong plants, ...$6 00 per 100
4 inch pots, very strong plants, 15.00 per 100

TERMS CASH.

CHARLES L. FISCHER, Atlantic City, N. J.
1516 Arctic Avenue.

Mention the Florists' Exchange when writing.

SPECIAL! 20 Per Cent. Discount for Two Weeks Only.

CYCLAMEN Persicum Splendens Giganteum, a few budded plants left, to bud and bloom, from 4 in. pots, $1.50 a doz.; $12 a 100.

NOW READY—Cyclamen P. S. Giganteum, in 4 true colors, twice transplanted from flats, $2.50 per 100; $20.00 per 1000.

CHINESE PRIMROSES Fringed foliage, finest market varieties, from 2½ in. pots, $2.50 per 100; from 3 in. pots, in bud and bloom, strong, well-grown plants, in 7 colors, including blue, double white and red, $4.00 per 100; from 4 in. pots, extra fine, $1.00 per doz.; $8.00 per 100.

CINERARIAS Hyb Mnx. Grandiflora, twice transplanted from flats, $1.75 per 100.

PELARGONIUMS Best market varieties, from 2½ in. pots, $3.00 per 100.

GERANIUMS Double Graot, S. A. Nutt, Gloire de France, from 2½ in. pots, $2.50 per 100

CARNATION CUTTINGS 25,000 well-rooted Daybreak, $1.25 per 100; $12 00 per 1000.

All the above warranted A No. 1 Stock.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

Unequaled Varieties **VERBENAS** Vigorous Stock.

	100	1000
Best Mammoths, strong pot plants...	$3.00	$25.00
" " rooted cuttings.....	1.25	10.00
Older " "	1 00	8.00
" " strong pot plants...	2.50	20 00

ROOTED **GERANIUM** CUTTINGS

Double and single, best variety, $2.00 per 100; $15 00 per 1000.

Strong pot plants, $3.00 per 100; $25.00 per 1000.

ROOTED CUTTINGS **CARNATIONS** HEALTHY STOCK

Prices of all the best, new and older varieties on application.

CYCLAMEN GIGANTEUM.

From 3 inch pots, in bud, $8.00 per 100
" 3½ " " 10.00 "

MISCELLANEOUS.

	100	1000
Anthemis, Double Golden Marguerite,	$2.00	
Agerntum, blue and white.....	1.00	$8 00
" Princess Pauline.....	1.50	
Coleus, all leading sorts	1.00	8 00
Fuchsias, double and single.....	2.00	15.00
Feverfew.....	1 50	12.00
Heliotrope, light and dark	1 25	10.00
Impatiens Sultani.....	2.00	
Moon Vines, true.....	2 00	15 00
Salvias, Splendens and Bedman.....	1.25	10.00

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

300,000 VERBENAS

60 finest named varieties, including our new MAMMOTH WHITE, MRS. McKINLEY. The finest white Verbena grown.

Perfectly healthy. Free from rust.

Rooted cuttings, 60 cts. per 100; $5.00 per 1000.
Plants, $2 50 per 100; $20.00 per 1000.
Our list is the choice from millions of seedlings

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

FOR SALE,

POINSETTIAS

Good, strong, healthy, dormant stock.

Address **CHAS. FRUEH & SON,**
1116 Hoyt St., SAGINAW, MICH.

Mention the Florists' Exchange when writing.

New Early Yellow Chrysanthemum

WALTER MOLATSCH.

Three Certificates A.C.S. Ready March 1st, 1900. Price, 50c. each; $4.00 per doz.; $25.00 per 100.

For Sale by

DAILLEDOUSE BROS., Flatbush, Brooklyn, N. Y.
AND
H. A. MOLATSCH, - - - Brooklyn, N. Y.
68th St., bet. 8th and 9th Aves.

Mention the Florists' Exchange when writing

CINERARIAS

From Benary, Cannell and Sutton's prize show flowers saved, dwarf and semi-dwarf, giant flowered, finest shades and colors. We are headquarters, and can supply any quantity in fine, stocky plants, 2½ in., $2 00 per 100; $5.00 per 300. 3 in., $3.00 per 100. Large plants, 4 in., $1.00 per doz.

SHELLROAD GREENHOUSE CO.
Grange P. O., Baltimore, Md.

Mention the Florists' Exchange when writing

PELARGONIUMS

Excellent market varieties, free bloomers; Mme. Thibaut, Mme. Vibert, Duchesse of Edinburgh, La Vesuve, Victor, Marie Mallet, Lord Salisbury, Daybreak and Sunset, $4.50 per 100. Cash with order.

ADOLPH STAHL, Johnstown, Pa.

Mention the Florists' Exchange when writing

GERANIUMS

A fine assortment, 2 inch plants, $2.50 per 100.

IVY GERANIUM, Souv. Chas. Turner $2 50 per 100.

Coleus, Ageratum, Etc., $2.00 per 100.

A. J. BALDWIN, Newark, Ohio.

Mention the Florists' Exchange when writing.

GERANIUMS Most desirable BEDDERS, in semi-double scarlets, pinks, salmons, white; S. A. Nutt, and best market varieties, single and double; also **BEGONIA Erfordi** and **Vernon**, in red, pink and white. Replanted, fine stock, $16 00 per 1000.

COLETS, red, yellow, and a large variety of very finest colors, $6.00 per 1000.

PANSIES, my select strains, replanted, **Bugnot**, $8 00, **Ginuts** $6 00 per 1000. One hundred rates, same by express. TERMS CASH.

Finest **Petunias, Verbenas, Heliotropes, Etc.** Send for General List and Prices.

DANIEL K. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing

ROOTED CUTTINGS!

	100	1000
Coleus, Crimson Verschaffeltii, Golden Bedder and Golden Queen.....	$0.75	$6.00
10 variety.....	.60	5 00
M. Salleroi Geraniums, from soil..	1 25	10.00
Alternantheras, P. Major and A. Nana, from soil.....	.60	5 00
Ageratum, blue and white	.60	
" Princess Pauline..... ...	.75	
Cuphea (Cigar Plant)	1.00	
Double Petunias, 30 varieties.....	1.25	
Giant Alyssum.....	.60	
Heliotropes, 12 varieties.....	1.00	
" 2 inch pots	2 00	
Salvia Splendens and Bedman....	1.00	

Plants by the 100, by mail, prepaid. Cash with order.

C. A. HARRIS & CO., DELANSON, N Y

Mention the Florists' Exchange when writing.

.. Geraniums and Roses ..

Older, but sun and weather-proof reliable varieties of scarlet, pink, salmon, white and crimson, Grant, Vick, La Favorite, E. Lauth etc.

Scarlet Sage, Heliotrope, Ageratum, Cigar Plants, Lemon Verbenas, etc., $2.50 per 100, from 2 inch pots; $1 50 for well rooted cuttings; 10 per cent. less by the 1000.

ROSES== Good assortment for spring sales, from 3 and 4 inch pots, $4.00 and $5 00 per 100.

N. STUDER, Anacostia, D. C.

Mention the Florists' Exchange when writing.

Pittsburg.

State Association Meeting.

The forty-first annual meeting of the State Horticultural Association of Pennsylvania was held here January 16 and 17. The meeting was in every way a most successful one, and well attended. The Fruit Growers' Association of Allegheny County and the Florists' Club did their best to make the meeting as interesting as possible to all. The exhibition of fruits, flowers and vegetables, although not very extensive, was much appreciated. Plants and cut flowers predominated. Messrs. John Bader, Blaha & Foss, and Randolph & McClements furnished decorative plants for the adornment of the hall and large stage, and Messrs. T. Ulam & Co. and the Pittsburg Cut Flower Co. supplied green and wreathing. G. & J. W. Ludwig had the best display of cut blooms—in roses, fine Bride and Bridesmaid, Golden Gate, Meteor and extra long Beauty. In carnations a choice bunch of Ethel Crocker was much admired; Thos. Cartledge, Annie Pixley, Mrs. Fisher, Albertini, Mary Baker, Bounty, Mrs. Bradt, Jubilee, Scott, Uncle Walter and "1776," also a white seedling of Murchie, of Sharon, named Recorder. Of other flowers they had pansies, mignonette and a few sprays of orchids. L. L. Neff exhibited a nice lot of blooming single primulas, cut blooms of Bride and Bridesmaid roses, Roman hyacinths and narcissus. Ernst Fischer, of Castle Sharon, Pa., showed three fine vases of freesia, the best ever staged in our city. E. C. Ludwig had Meteor and Bride roses, also several varieties of carnations, and a small collection of decorative plants. T. F. Galvin, of Boston, Mass., sent on a bunch of Mrs. Thos. W. Lawson carnation for exhibition, but they arrived in bad shape—had been overheated and were spoiled.

In the plant line Randolph & McClements made a fine exhibit of well-grown stock, such as ferns, crotons, marantas, dracænas, pandanus, ficus, arecas, Primula obconica, Asparagus Sprengeri and others, also a well-arranged group of larger plants. John Bader had two choice lots of decorative plants arranged in two groups at either side of the entrance into the hall. Messrs. Blaha & Foss, of Etna, Pa., also had several groups arranged along the side of the room.

At this season of the year good fruit is hard to get, so the display was not a very large one. Among those who exhibited fruit were Engle & Son, C. W. Good, J. E. Haudenshild, Wm. Wild and H. A. Chase.

The display of vegetables was extensive and very good, in the hands of G. H. Beckert and G. B. Robinson & Co., who exhibited vegetables of all kinds, mushrooms and Southern fruits from Florida, such as oranges, tangarines, pineapples and strawberries. Wm. Loew, who is an artist in carving flowers from vegetables, showed some of his handiwork, which drew lots of attention.

The business sessions were well attended and interesting. The speakers were able men, handling their subjects thoroughly. Prof. S. B. Heiges, of York, Pa., president of the association, gave a splendid address, and Prof. John Hamilton, Secretary of Agriculture, was also a foreible speaker. P. S. Randolph handled his subject, "The Advancement of Floriculture in Allegheny County the Past Forty Years," very well. A pleasant feature at the meeting was, that no essays were read, all being extemporaneous speeches.

The Beauty and Bride roses mentioned as being in G. & J. W. Ludwig's display were exhibited by M. W. Woodroffe & Co., of Philadelphia.

The meeting was pronounced to be the best ever held. The next one takes place in Harrisburg, January, 1901.

Club News.

The January meeting of the Florists' Club, held last week, was well attended. One new member was elected. Messrs. Oesterle, J. W. Ludwig and John Bader were appointed to help complete arrangements for the Horticultural State meeting. It was decided that all the old officers of the club be renominated for the ensuing year.

Jottings.

M. J. Fisch, of M. W. Woodroffe & Co., wholesale florists, of Philadelphia, spent a week in our city on business.

John Edlefsen, who was in the florist business in Millvale for many years, died last week.

Trade was somewhat slack the past week, the first dull time in the new year. Stock is abundant.

E. C. REINEMAN.

PANSIES

The Jennings Strain. 200,000 fine, stocky plants, from cold frames, varieties the finest, many are curled and fringed. 100 plants by mail, 60 cts; 1000 plants by express, $3 50; large plants in bud, by express, $5 a 1000; extra fine Pansy blooms, by mail, 50c. a 100.

Pansy Seed of above, $1.00 per pkt.; $5.00 per oz. Separate colors in plants or seed if wanted.

Choice Mixed Gladiolus, all colors, 50 cts. per 100 Extra large **Scarlet Amaryllis Bulbs**, $6.00 per 100; medium size, $3.00 per 100.

Samples sent for 10 cts. Cash with order.

E. B. JENNINGS, Lock Box 254, **Southport, Conn.**

Grower of THE FINEST PANSIES.

Mention the Florists' Exchange when writing.

Pansies Worth Raising

Good Plants, $4.00 per 1000; $2.50 per 500.

Extra Large Transplanted Plants in bloom, as good as in spring, $2.50 per 100.

F. O. B. Express here. Cash with order.

C. SOLTAU & CO., 199 Graal Ave., Jersey City, N. J

Mention the Florists' Exchange when writing.

PANSIES

Fine Plants, Large Flowering Strain, 50c. per 100; $2 50 per 1000.

PANSY SEED, NON PLUS ULTRA, $4.00 per oz.

CASH, PLEASE.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Mention the Florists' Exchange when writing.

ALTERNANTHERA Red and Yellow, $4.00 per 1000, **Primroses**, in 3½ in., 75c. per dozen. **Lantana Horbonica** 2½ in., $4.00 per 1000.

E. I. RAWLINGS,
Wholesale Florist. **Quakertown, Pa.**

Mention the Florists' Exchange when writing.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing

ROOTED CUTTINGS

OF CARNATIONS.

Both new and old varieties at lowest prices for good stock. Special rates on orders booked for future delivery. Satisfaction or money refunded.

GEO. A. RACKHAM, 880 Van Dyke Avenue, **DETROIT, MICH.**

Mention the Florists' Exchange when writing.

CARNATIONS AND VIOLETS.

FRESH CUT FLOWERS

Direct from grower. Orders filled on short notice. Long Distance Telephone.

Princess of Wales Violet Plants,

from 2½ in. pots, $2 00 per 100.

EVENDEN BROS., Williamsport, Pa.

Mention the Florists' Exchange when writing

CARNATION SEEDS

Specialists in pedigree seeds for winter blooming. **Contracts Solicited.**

AMERICAN ROSE CO., Washington, D C.

Mention the Florists' Exchange when writing

CARNATION CUTTINGS

Now ready of all the leading varieties.
All stock guaranteed A1.
If not satisfactory, money refunded.

CHICAGO CARNATION CO.,

Greenhouses and Address, **JOLIET, ILLS.**

Mention the Florists' Exchange when writing

CARNATIONS

F. DORNER & SONS CO.,

LA FAYETTE, IND.

Mention the Florists' Exchange when writing.

ROOTED CARNATION CUTTINGS

Ethel Crocker	America	Nivea	Daybreak
Olympia	Crane	John Young	Victor
Marquis	Jubilee	McGowan	Scott
Lawson	White Cloud	Argyle	Bradt
Genevieve Lord	Flora Hill	Joost	Armazindy

GRAFTED ROSES.

New Yellow Fitzwygram "Mum."

SPECIAL PRICES ON 10,000 AND UPWARD. PRICE LIST NOW READY.

H. F. LITTLEFIELD, Worcester, Mass

Mention the Florists' Exchange when writing.

CARNATIONS

Rooted cuttings now ready of the following kinds: FLORA HILL, $1.25 per 100. WHITE CLOUD, $2.50 per 100. JOHN YOUNG, $2.00 per 100. TRIUMPH, $2.00 per 100. DAYBREAK, $1.25 per 100. JUBILEE, $2.00 per 100. ELDORADO, $2.00 per 100. EVELINA, WM. SCOTT, LIZZIE McGOWAN, and NIVEA, each $1.00 per 100.

S. LITTLEFIELD, North Abington, Mass.

Mention the Florists' Exchange when writing.

Rooted Cuttings of New and Standard

CARNATIONS.

SEND FOR PRICE LIST.

WM. SWAYNE, Kennett Square, Penn.

Mention the Florists' Exchange when writing.

20,000 Carnation Cuttings

Of WILLIAM SCOTT,

Must be sold this week. $6.00 per 1000 or $20 for 4000.

	Per 100	Per 1000
White Cloud, Mrs. Joost	$2 50	$20 00
Mrs. Bradt and Melba	4 00	30 00
Victor, Daybreak	1 25	10 00
Pingree	1 00	7 00

Cash with order.

CARL E. TAUBE, Trenton, N. J.

MERCER FLORAL CO.

Mention the Florists' Exchange when writing.

Carnation Cuttings

Well rooted cuttings of

New and Standard Varieties.

Stock Guaranteed. Write for prices.

PETER REINBERG, Chicago, Ill.

51 WABASH AVE.

Mention the Florists' Exchange when writing.

CARNATIONS-Rooted Cuttings



Flora Hill, $1.50 per 100; $14.00 per 1000.
Lizzie McGowan, $1.00 per 100; $9.00 per 1000.
Wm. Scott, $1.00 per 100; $9.00 per 1000.
AGERATUM—Cope's Pet, blue; Lady Isabel, white. 60c. per 100; $5.00 per 1000.
PETUNIAS—Dreer's and Henderson's, named, $1.25 per 100.

We pay the express on all Rooted Cuttings. Our guarantee goes with everything we send out, to please you; for that CASH, PLEASE.

C. HUMFELD, Clay Center, Kas.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS.

We are booking orders for Lawson, Olympia, Marquis Ethel Crocker and Genevieve Lord at introducers prices. List of standard varieties ready now. Send at once for an estimate on your order.

WM. MURPHY,

Sta. F., Cincinnati, Ohio.

Mention the Florists' Exchange when writing.

ELM CITY

A Grand New White **Carnation.**

Seedling of LIZZIE McGOWAN and MME. DIAZ ALBERTINI; in its fifth year.

The Flowers are large, finely shaped and of strong fragrance.
Petals are heavy, of good substance, and nicely fringed.
Calyx is very strong, after the style of Albertini, and non-bursting.
The Stem is strong, holding the flowers erect.
The Plant is a good grower and free bloomer, not subject to stem rot or any disease.

Rooted Cuttings, Ready Feb. 1, at $1.50 per Dozen, $10.00 per 100, $70.00 per 1000. Cash with order.

We shall prepay the express charges where money accompanies the order. Orders filled in rotation.

M. E. KRAUS, New Haven, Conn.

320 Davenport Avenue.

Mention the Florists' Exchange when writing.



100,000 Rooted Cuttings CARNATIONS

Now Ready to Ship.

Early orders get the best rooted stock.

	Per 100
MRS. THOS. W. LAWSON, pink	$14.00
ETHEL CROCKER, pink	10.00
THE MARQUIS, pink	10.00
GENEVIEVE LORD, pink	10.00
OLYMPIA, variegated	10.00
G. H. CRANE, scarlet	4.50
AMERICA, scarlet	4.00
MELBA, light pink	3.50
MRS. G. BRADT, variegated	3.00
GLACIER, white, floe	4.00
MAUDE ADAMS	3.50
GOMEZ, dark red	4.00
MRS. F. JOOST, pink	2.50
GOLD NUGGET, yellow	3.00
ARGYLE, fine pink	1.25
TRIUMPH, floe pink	1.50
DAYBREAK, shell pink	1.00
EMPRESS, dark red	1.00
FLORA HILL, white	1.50
WHITE CLOUD	2.50
MARY WOOD, fine white	3.00
JUBILEE, scarlet	1.50
PSYCHE, variegated	1.50
MORELLO, scarlet	1.50
WM. SCOTT, pink	1.00
LIZZIE McGOWAN	1.00

No orders shipped to Canada for less than $10, cash.

5 Cuttings at 100 rates.

THE MORRIS FLORAL CO., Morris, Ill.

A GRAND RECORD

Genevieve Lord

STANDS at the head of the list of light pink carnations. It is undefeated in its class. A commercial triumph, combining fine exhibition qualities. With its grand length and stiffness of stem, beautiful large flowers, grand color, general good habit, productiveness, etc., it cannot fail to win for itself a place in the front rank of the greatest money makers of to-day.

We will not over-propagate it; as soon as limit of healthy production is reached, our order book will be closed. Book is now open. All orders filled in rotation; bear in mind the importance of this fact. Send for complete description.

Price, $75 per 1000; $10 per 100; $2 per dozen.

DELIVERY FEBRUARY 15.

We can also furnish first delivery, the following varieties, at introducers' prices: **Olympia, Mrs. Thos. W. Lawson, The Marquis** and **Ethel Crocker.**

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS

	Per 100	Per 1000
MRS. LAWSON	$14.00	$120.00
G. H. CRANE	5.00	
AMERICA	5 00	40.00
MELBA	4.00	30.00
LESLIE PAUL	4.00	30.00
GOV. GRIGGS	4.00	30 00
MRS. BRADT	3.00	25.00
FRANCES JOOST	2.50	20.00
EVANSTON	2.50	20.00
JUBILEE	2.50	20.00
VICTOR	2.50	20.00
WHITE CLOUD	2.50	20.00

	Per 100	Per 1000
FLORA HILL	$2.00	$15.00
GOLD NUGGET	2.00	15.00
TRIUMPH	2.00	15.00
DAYBREAK	1.25	10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10 00
LIZZIE McGOWAN	1.00	7.50
EVELINA	1.00	7.50
MAYOR PINGREE	1.00	7.50
WM. SCOTT	1.00	7.50
NIVEA	1.00	7.50
MORELLO	1.00	7.50

All plants and cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded.

Peter Reinberg, 51 WABASH AVE., Chicago.

Mention this paper.

Ethel Crocker

Absolutely the best Pink CARNATION ever offered the Trade.

A fact fully borne out by its record, being equally good with Craig, Hill, and myself. (An assurance that it is not a success in one soil and a failure in another.) By its having been shown at the Flower Shows and Clubs since early in September. (An assurance that it is not a good late carnation, but an all season variety.)

In color, size, fragrance and stem it is just what the "storemen" want.

In habit, constitution and freedom of bloom, it is just what the grower wants. It produces more flowers to the square foot than any other known variety, and is never out of crop from September to July.

With 18,000 stock plants to work from there is no danger of it being over-propagated, and all orders intrusted to me will be filled with cuttings selected from the plants and the order filled by myself, thus doubly assuring good stock.

Honest sample blooms furnished, prepaid, at $1.00 per dozen. Amount deducted from all orders for 100 or over. Up to date, every sample excepting one out of several hundred sent, has brought an order.

PRICE—Per 100, $10.00; per 25, $2.50; per 1000, $75.00; per 250, $18.75.

☞ PRICE LIST FOR STANDARD VARIETIES READY NOW.

HERR'S PANSIES—Good little plants at 75 cts. per 100; $4.00 per 1000.

ALBERT M. HERR, - - Lancaster, Pa.

Mention the Florists' Exchange when writing.

J. K. ALLEN,
Wholesale Commission Dealer in
CUT FLOWERS
57 W. 28th Street, New York.
Orders by mail or telegraph promptly attended to. Telephone, 167 Madison Square.
Fine ROSES and CARNATIONS, Specialties.

W. S. ALLEN,
17 West 28th St., New York.
Correspondence Solicited.

BLAUVELT & GUTTMAN,
36 W. 27th St., NEW YORK.
Wholesale Commission Florists
Consignments of first-class stock solicited.
Orders by mail or telegraph receive the best of attention. 'PHONE 1290 Madison Sq.

CUT FLOWER EXCHANGE
404-412 E. 34th St., N. Y., near Ferry.
Open every Morning at 6 o'Clock A. M. for the Sale of Cut Flowers.
This is not a commission house; the market consists of individual stands.
Wall Space for Advertising Purposes to Rent.
J. DONALDSON, SECRETARY.

JULIUS LANG,
Wholesale Florist
53 WEST 30th ST.
Consignments Solicited. NEW YORK.

FRANK MILLANG,
Wholesale Commission Dealer in
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408 E. 34th St., NEW YORK CITY.
Cut Flower Exchange.
Telephone Call, 299 Madison Square.

MOORE, HENTZ & NASH,
WHOLESALE
Commission Florists,
Located in Salesroom of the New York Cut Flower Co.
119-121 W. 23d St., New York.
Telephone 788 18th St.

THE NEW YORK CUT FLOWER CO.
119-121 West 23d Street,
112-114 West 24th Street,
Telephone 733—18th, NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders

Carnations Roses
John I. Raynor,
49 West 28th St.,
Telephone 1998 Madison Square. New York.
Violets Valley

All Business is Running to Specialties
GEORGE SALTFORD
Makes a Specialty of
VIOLETS
At 50 West 29th St., New York.
Send Your Consignments. Tel. 1304 Madison Sq.

HEADQUARTERS FOR NOVELTIES
Beauties, Meteors, Brides and Bridesmaids are the leaders.
The highest grade of... VALLEY always on hand...
ORCHIDS A SPECIALTY.
JAMES McMANUS, Telephone, 759 Madison Square, 50 W. 30th St., NEW YORK.

"Always Ready to Receive Fine Stock."
VIOLETS W. H. GUNTHER, Carnations
ROSES Wholesale Florist, ORCHIDS
30 West 29th St., New York.

WALTER F. SHERIDAN,
Wholesale Commission Dealer in CUT FLOWERS
39 W. 28th STREET, NEW YORK.
Receiving Extra Quality AM. BEAUTIES and all other varieties of Roses.
TELEPHONE 902 MADISON SQUARE. CARNATIONS.

...Wholesale Prices of Cut Flowers...

Names and Varieties	New York Jan. 19, 1900	Boston Jan. 11 1900	Philadelphia Jan. 17, 1900	Baltimore Jan. 16, 1900	Buffalo Jan. 10, 1900
A. BEAUTY, fancy—special	30.00 to 40.00	50.00 to 60.00	to 60.00	.... to	60.00 to 75.00
" extra	20.00 to 30.00	25.00 to 35.00	40.00 to 50.00	30.00 to 40.00	40.00 to 50.00
" No. 1	8.00 to 15.00	15.00 to 20.00	25.00 to 35.00	16.00 to 25.00	20.00 to 30.00
" Culls & ordinary	6.00 to 8.00	6.00 to 12.50	10.00 to 15.00	6.00 to 10.00	5.00 to 10.00
Roses: Bride	2.00 to 15.00	2.00 to 12.50	4.00 to 8.00	4.00 to 6.00	3.00 to 10.00
Roses: Bridesmaid	2.00 to 15.00	2.00 to 12.50	4.00 to 8.00	4.00 to 6.00	3.00 to 10.00
Roses: Hoste	.... to	1.00 to 8.00	.... to	.... to	.... to ....
Roses: Jacqueminot	.... to	.... to	.... to	.... to	.... to ....
Roses: K. A. Victoria	4.00 to 8.00	2.00 to 12.50	4.00 to 8.00	4.00 to 5.00	3.00 to 8.00
Roses: La France	3.00 to 6.00	.... to	3.00 to 8.00	4.00 to 6.00	.... to ....
Roses: Mermet	.... to	.... to	.... to	.... to	.... to ....
Roses: Meteor	2.00 to 10.00	3.00 to 10.00	4.00 to 10.00	.... to 8.00	3.00 to 10.00
Roses: Mrs. Pierpont Morgan	2.00 to 5.00	.... to	.... to	.... to	.... to ....
Roses: Niphetos	.... to	.... to	.... to	.... to	3.00 to 5.00
Roses: Papa Gontier	.... to	.... to	4.00 to 5.00	3.00 to 4.00	3.00 to 5.00
Roses: Perle	2.00 to 5.00	2.00 to 6.00	3.00 to 5.00	3.00 to 5.00	3.00 to 6.00
Roses: Souv. de Wootton	.... to	.... to	.... to	.... to	3.00 to 5.00
ORCHIDS—Cattleyas	25.00 to 50.00	.... to	.... to 50.00	.... to	40.00 to 60.00
Cypripediums	.... to 12.50	10.00 to 12.50	.... to	.... to	12.50 to 15.00
Dendrobium formosum	15.00 to 20.00	.... to	.... to	.... to	.... to ....
Carnations: Inf'r grades, all colors	.75 to 1.00	.75 to 1.00	.50 to .75	1.00 to 1.25	.... to 1.00
Carnations: Standard Varieties White	1.00 to 2.00	1.00 to 1.25	1.00 to 1.25	1.50 to 2.00	1.25 to 2.00
Carnations: Standard Varieties Pink	1.00 to 2.00	1.00 to 1.25	1.00 to 1.50	1.50 to 2.00	1.25 to 2.00
Carnations: Standard Varieties Red	1.00 to 2.00	1.00 to 1.25	1.00 to 1.50	1.50 to 2.00	1.25 to 2.00
Carnations: Standard Varieties Yel.&Var.	1.00 to 2.00	1.00 to 1.25	1.00 to 1.50	1.50 to 2.00	1.25 to 2.00
Carnations: *Fancy (The highest grades of standard var) White	3.00 to 5.00	.... to 1.50	1.50 to 2.00	2.50 to 3.00	3.00 to 3.50
Carnations: *Fancy (The highest grades of standard var) Pink	3.00 to 5.00	.... to 1.50	1.50 to 2.00	2.50 to 3.00	3.00 to 3.50
Carnations: *Fancy (The highest grades of standard var) Red	3.00 to 5.00	.... to 1.50	1.50 to 2.00	2.50 to 3.00	3.00 to 3.50
Carnations: *Fancy (The highest grades of standard var) Yel.&Var.	3.00 to 5.00	.... to 2.00	1.50 to 2.00	2.50 to 3.00	3.00 to 3.50
Carnations: Novelties	10.00 to 15.00	2.50 to 3.50	3.00 to 5.00	.... to	.... to ....
ADIANTUM	.50 to 1.00	.50 to .75	.75 to 1.00	.... to 1.00	.75 to 1.25
ASPARAGUS	35.00 to 50.00	.... to 50.00	35.00 to 50.00	25.00 to 75.00	30.00 to 60.00
CALLAS	.... to 8.00	8.00 to 10.00	8.00 to 10.00	6.00 to 10.00	10.00 to 15.00
HYACINTHS	.75 to 1.00	1.00 to 2.00	.75 to 2.00	.... to	1.00 to 3.00
LILIES	10.00 to 12.00	8.00 to 12.50	.... to	.... to	15.00 to 20.00
LILY OF THE VALLEY	1.00 to 3.00	2.00 to 4.00	2.00 to 4.00	.... to	3.00 to 4.00
MIGNONETTE—ordinary	3.00 to 5.00	2.00 to 4.00	.... to 2.00	.... to	2.00 to 3.00
MIGNONETTE—fancy	6.00 to 12.00	.... to	3.00 to 6.00	1.50 to 3.00	4.00 to 6.00
NARCISSUS	1.00 to 2.00	1.00 to 3.00	.... to 2.00	.... to	1.50 to 3.00
SMILAX	8.00 to 10.00	10.00 to 12.00	12.00 to 15.00	2.50 to 25.00	15.00 to 20.00
SWEET PEAS	.... to	.... to	.... to	.... to	.... to ....
TULIPS	2.50 to 5.00	.... to	.... to	.... to	4.00 to 5.00
VIOLETS	.40 to .60	.75 to 1.00	.25 to .50	.50 to .75	.50 to 1.00
VIOLETS, special	.75 to 1.00	.... to 1.25	.75 to 1.00	.... to	1.50 to 2.00

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

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Fine VALLEY in stock at all times.

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In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work.
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...Wholesale Prices of Cut Flowers...

	Names and Varieties	Chicago Jan. 17, '00	St. Louis Jan. 18, '00	Cincinnati Jan. 15, '00	Milwaukee Jan. 14, '00	Pittsburg Jan. 15, '00	Toronto Jan. 9, '00
Roses	A. BEAUTY, fancy—special	45.00—50.00	....—	....—	25.00—40.00	40.00—60.00	....—35.00
	" extra	25.00—35.00	....—	....—	15.00—18.00	18.00—35.00	....—25.00
	" No. 1	10.00—15.00	....—	....—	10.00—12.50	10.00—15.00	....—10.00
	" Culls & ordinary	5.00— 8.00	....—	....—	4.00— 6.00	5.00— 8.00	....— ....
	Bride	4.00— 8.00	5.00— 8.00	4.00— 7.00	5.00— 8.00	3.00— 8.00	4.00—12.00
	Bridesmaid	4.00— 8.00	5.00— 8.00	4.00— 7.00	5.00— 8.00	3.00— 8.00	4.00—12.00
	Hoste	....—	....—	....—	....—	....—	3.00— 8.00
	Jacqueminot	....—	....—	....—	....—	....—	....— ....
	K. A. Victoria	....—	....—	....—	6.00— 8.00	3.00— 6.00	....— ....
	La France	....—	....—	....—	....—	....—	....— ....
	Mermet	....—	....—	....—	....—	....—	3.00—12.00
	Meteor	4.00—10.00	5.00— 8.00	4.00— 7.00	6.00— 8.00	3.00—6.00	5.00—12.00
	Mrs. Pierpont Morgan	....—	....—	....—	....—	....—	4.00— 8.00
	Niphetos	....—	....—	....—	....—	....—	....— ....
	Papa Gontier	4.00— 6.00	....—	....—	....—	....—	....— ....
	Perle	3.00— 5.00	4.00— 6.00	3.00— 5.00	4.00— 6.00	3.00— 6.00	3.00— 6.00
	Souv. de Wootton	....—	4.00— 6.00	....—	....—	....—	4.00—10.00
	ORCHIDS—Cattleyas	50.00—60.00	....—	....—	....—	....—	25.00—30.00
	Cypripediums	....—15.00	....—	....—	....—	....—	10.00—12.00
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	Ord'r grades, all colors	.75— 1.00	....— 1.00	....—	1.00— 1.50	....—	....— 2.00
	STANDARD VARIETIES White	1.25 1.50	1.50— 2.00	1.50— 2.00	1.00— 1.50	....—	....— 3.00
	STANDARD VARIETIES Pink	1.25— 1.50	1.50— 2.00	1.50— 2.00	1.00— 1.50	.75— 1.00	....— 3.00
	STANDARD VARIETIES Red	....—	1.50— 2.00	1.25— 2.00	1.00— 1.50	.75— 1.00	....— 3.00
	STANDARD VARIETIES Yel.&Var.	1.25— 1.50	1.50— 2.00	....—	1.00— 1.50	.75— 1.00	3.00— 4.00
	*FANCY— White	3.00— 4.00	2.50— 3.00	3.00— 4.00	2.00— 3.00	....—	....— 5.00
	*FANCY— (The highest grades of standard var) Pink	3.00— 4.00	2.50— 3.00	3.00— 4.00	2.00— 3.00	1.50— 2.50	....— 5.00
	*FANCY— (The highest grades of standard var) Red	4.00— 5.00	2.50— 3.00	3.00— 4.00	2.00— 3.00	1.50— 2.50	....— 5.00
	*FANCY— (The highest grades of standard var) Yel.&Var.	4.00— 5.00	2.50— 3.00	....—	2.00— 3.00	1.50— 2.50	....— 5.00
	NOVELTIES	....—	....—	....—	....—	....—	....— 5.00
	ADIANTUM	.75— 1.25	1.00— 1.25	....— 1.00	....— 1.00	1.00— 1.25	.75— 1.25
	ASPARAGUS	50.00—60.00	....—	....—	....—75.00	35.00—50.00	30.00—50.00
	CALLAS	8.00—12.00	10.00—15.00	....—10.00	10.00—12.50	....—	8.00—10.00
	HYACINTHS	2.00— 3.00	2.00— 3.00	....— 2.00	....— 2.00	1.00— 3.00	....— ....
	LILIES	15.00—20.00	....—	....—10.00	....—12.50	15.00—20.00	10.00—12.50
	LILY OF THE VALLEY	3.00— 5.00	....— 4.00	....— 4.00	4.00— 5.00	3.00— 4.00	2.50— 3.50
	MIGNONETTE—ordinary	1.00— 2.00	....—	....—	....— 2.00	2.00— 3.00	....— ....
	MIGNONETTE— " fancy	4.00— 6.00	....—	....—	....— 3.00	4.00— 5.00	....— ....
	NARCISSUS	2.00— 3.00	....— 3.00	2.00— 3.00	....—	2.00— 3.00	2.50— 3.00
	SMILAX	12.00—15.00	12.50—18.00	12.00—15.00	....—15.00	10.00—15.00	....— ....
	SWEET PEAS	....—	....—	....—	....—	....—	....— ....
	TULIPS	3.00— 4.00	1.50— 2.00	....—	....— 4.00	3.00— 4.00	....— ....
	VIOLETS	.50— .75	....—	.75— 1.00	....— .50	.50— .75	....— 1.00
	VIOLETS—special	1.00— 1.50	.75— 1.00	....— 1.50	....— 1.00	1.00— 1.50	....— 1.50

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Florists' Supplies.
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ASPARAGUS PLUMOSUS NANUS
CUT STRINGS, 8 feet long,
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Shipped to any part of the country.

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Roses, Carnations, Violets, Valley,
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WE deal in all Orchid growing Supplies: Plants, Pans, Baskets, Peat, Special Fertilizer and Manual of Culture. Circulars sent on request. WILLOWMEAD GARDENS, East Orange, N.J.

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12 plants.....60 cts. each
25 plants.....50 cts. each
50 plants.....30 cts. each
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American Carnation Society.

Carnations Registered.

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SIR THOS. LIPTON, color same as Scott, flowers measuring from 3½ to 3¾ inches across, and with a calyx that does not burst in any temperature; stems 18 to 20 inches long. A cross between Scott and Tidal Wave, resembling the latter in growth but taller.

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ELM CITY, color white, flowers are large, finely shaped and with strong fragrance; petals heavy, of good substance and nicely fringed; calyx strong and never bursting; stem strong, holding the flowers erect. Plant a good grower, not making unnecessary grass; and it is now in its fifth year. ALBERT M. HERR, Lancaster, Pa. Secretary.

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Tender and hardy sorts.
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Hardy Pinks, 6 varieties, 3 in. pots, at $4.00 per 100.
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ROSE LIBERTY
has made it necessary for us to announce all stock for March delivery has been sold and orders hereafter will be taken and filled in their order of receipt, until further notice. To be sure of any of this stock for April and May delivery it will be necessary to order early. One quarter of the stock is controlled by us and no one has authority to sell in the New England States except by our permission.
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Own rooted Plants, 2½ in. pots.

12	plants	60 cts. each.
25	"	50 "
50	"	30 "
100	"	25 "
1000	"	20 "

Grafted Plants, 2½ in. pots.

12	plants	75 cts. each.
25	"	60 "
50	"	50 "
100	"	40 "
1000	"	35 "

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La Rose est la Reine des Fleurs et la France est la Reine des Roses.—DEAN HOLE.
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3 to 4 ft. strong, $15.00 per 100; 4 to 5 ft., extra strong, $18.00 per 100.
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OWN ROOT PLANTS, FROM 2½ INCH POTS.	GRAFTED PLANTS, FROM 2½ INCH POTS.
50 Plants or more and less than 100, 30c. each	50 Plants or more and less than 100, 50c. each
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3 inch pot plants, 5c. each additional.	3 inch pot plants, 5c. each additional.

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Baroness Rothschild,	Lonise Odier,	Perle des Blanches,
Charles Lamb,	Louis Van Houtte,	Paul Neyron,
Comtesse de Schulenberg,	Marie Boissee,	Pius IX,
Duke of Edinburg,	Magna Charta,	Prince Camille de Rohan,
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Extra Strong CRIMSON RAMBLERS, $15.00 per 100.
STANDARD ROSES in fine sorts, per 100, $25.00; per 1000, $200.00.

Rhododendrons, Azaleas, Clematis, Snowballs, Hydrangeas, Etc.
The Plants from the BOSKOOP NURSERY ASSOCIATION having been Purchased in This Country During the Last 20 Years, Do Not Require to be Recommended.
DO NOT DELAY SEND YOUR ORDERS NOT LATER THAN FEB. 10.
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For Easter Forcing:
JAPANESE FERN BALLS, $4.00 per dozen; $30.00 per 100.
RHODODENDRONS, IN FORCING VARIETIES.
AZALEAS, Mollis and Ghent.
LILY OF THE VALLEY PIPS.
For prices see last issue of FLORISTS' EXCHANGE.
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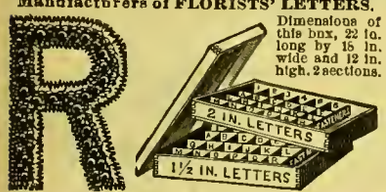

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Ottawa.

Business since New Year's has been fair; supply also fair. Carnations are of good quality and retail at 50c.; roses, $1.50; violets, $1.50; the latter are now plentiful. Plants are not in much demand, a palm or azalea filling the bill.

Wright, of Aylmer, has ordered glass for four large houses, to be commenced in the Spring. On Wednesday the Horticultural Society held its annual meeting and elected officers as follows: President, R. B. Whyte; vice-presidents, Stewart and Graham; secretary-treasurer, J. Watson. Executive Committee—Messrs. Fletcher, Macom, Black, Cummings, McCann, Keyes, Ellis, Dayley, and Snelling. The financial report showed a good balance in the treasury and a membership of 140. The advisability of holding a chrysanthemum show was discussed and left in the hands of the directors.

J. Pape, of Toronto, was a visitor, being here to see his son off, in the second contingent for South Africa. E.

Buffalo.

Trade Notes.

Though some daily trade is going on, even some stores declaring it good, no rushing business is visible. Society is quiet, in fact. Flowers are in fair supply for demands, though not plentiful. Carnations of not the best quality range from $2 to $3 per 100, wholesale. Beauty roses, from New Jersey, good, long-stemmed ones, begin to be seen here and there. Being put into the retailer's hands so he can serve customers at a dollar each, even if his profits are not of regulation gauge, these flowers again get a show from buyers.

Exceptionally attractive primula plants in flower are seen in some stores, the output of Schwerdt & Berner.

Sam Smiley, of Lancaster, concluded his heating apparatus was not properly fitted for this season, so took advantage of the recent warm atmospheres to change his hot water system to that of steam. He reports a healthy, if bloomless, carnation growth. Low temperatures did it.

Carnation Society Meeting.

The carnationists next month here will find "Morgan Hall" an ideal show room. It is 50 feet wide by thrice as long, broad, window-lighted on two sides, elevators with entrance opening direct into the hall, and centrally located. Chas. H. Keitsch will have charge of receiving the flowers for exhibition. A meeting of the Buffalo Florists' Club was called Wednesday evening to act further on matters pertinent to this coming affair.

Mr. Palmer, Sr., accompanied W. N. Rudd, of Chicago, on Monday night to New York City, in attendance of the latter at the S. A. F. Executive Committee meeting. Vim.

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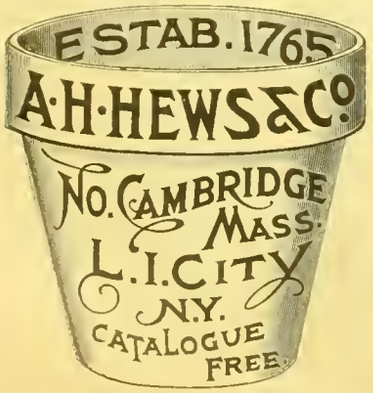

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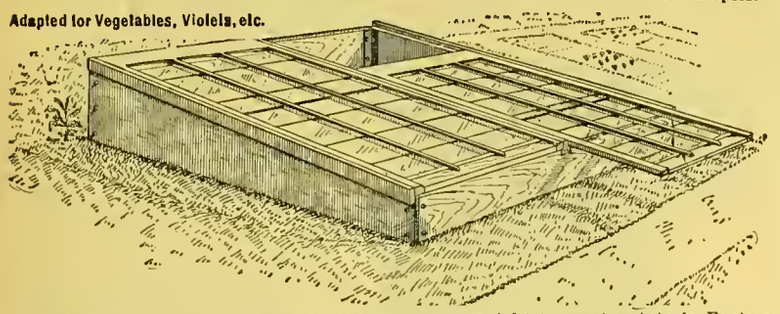

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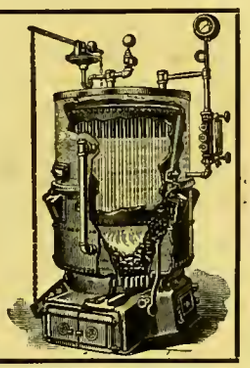

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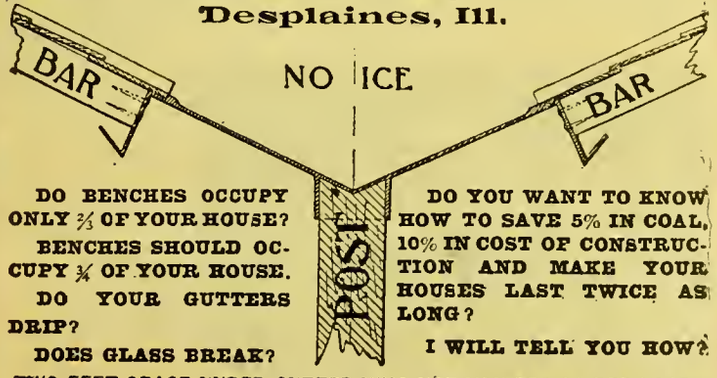

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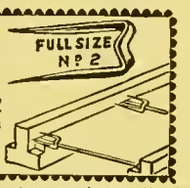

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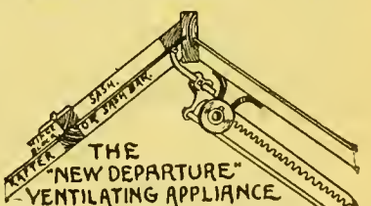

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KUMQUATS The best and most satisfactory of the Citrus family for pot culture. Fine bearing trees, $1 each; extra size, $1.50 ea. A few hundred fine 1-year buds, at 50cts. each.
TROPICAL NURSERIES, Avon Park, Fla.
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WE ARE HEADQUARTERS

For all the Best Novelties of the Season in
Chrysanthemums, Carnations, Cannas, and Geraniums,
NATHAN SMITH & SON, - - ADRIAN, MICH.
Mention the Florists' Exchange when writing.

Chrysanthem R. C. Yellow Queen, H. Bloodgood, J. White Ivory, Bonnaffon, Geo. Ka... $1.00 per 100
Golden Wedd...
Vinca Var., R. C., $1.00; 2 in. pots, ...0.
Hydrangea Otaksa, 2½ in., $3.00.
Rex Begonia, fine mixed, 3 in., $3; R. C., $1.50.
Ageratum, blue, dwarf or tall, 2 in., $2 per 100.
CASH.
J. H DANN & SON, WESTFIELD, N. Y.
Mention the Florists' Exchange when writing.

W F Gale
331 Main
JAN 23 19

CANNAS

Cash price per thousand, $10, $15, $20.
Lowest prices per hundred.

MIXED CANNAS Per 1000, $10.00.
40 varieties. List on application.

WILLIAM STUPPE, Hollis, L. I., N. Y.
Mention the Florists' Exchange when writing.

CALIFORNIA PRIVET CUTTINGS

From choice plants, grown at the sea shore, for sale. In view of the immense demand for Privet, nurserymen should increase their stock of this favorite hedge plant.
Send $1.25 for sample of 1000 cuttings.

Atlantic Coast Nursery, 608 Fourth Avenue, Asbury Park, N. J.
JAMES H. CORNELL, Prop.
Mention the Florists' Exchange when writing

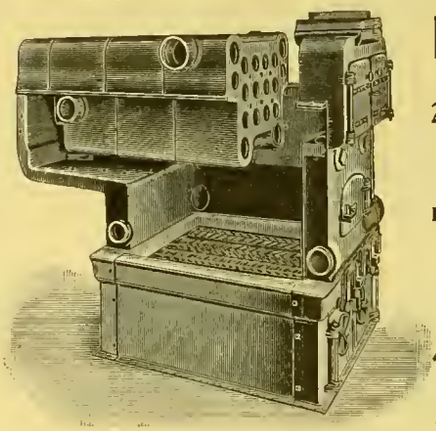
GERANIUMS

A few thousand left in 2½ in. pots at $30.00 per 1000; $3.25 per 100. S. A. Nutt, La Favorite, Richard Brett, Wilhelm Pfitzer, Mazet Delayas, J. M. Garr, Mrs. E. G. Hill, Alphonse Riccard, Wonder, Granville, Rev. Atkinson, Mme. Salleroi, and Rose Geraniums.
Also, Rose Geranium Cuttings, $18.00 per 1000; $2.00 per 100.
COLEUS, Crimson Verschaffeltii and Golden Queen, $7.00 per 1000, 75 cts. per 100; 2 in. pots, $1.50 per 100. Coleus in variety, $5.00 per 1000, 60 cts. per 100; 2 in. pots, $1.25 per 100.
AGERATUM, Blue and White, 75c. per 100; Princess Pauline, $1.00 per 100.
GIANT ALYSSUM, $1.00 per 100.
SALVIA, Splendens and Bedman, $1.25 a 100.
HELIOTROPE, 6 vars., named, $1 a 100.
CUPHEA (Cigar Plant), $1.00 per 100.
FUCHSIAS, $1.50 per 100; 2½ in. pots, $3.00 per 100.
FEVERFEW, $1.50 per 100; $12.00 per 1000.
VINCAS, $1.25 per 100; $10.00 per 1000. 4 in. pot, $8.00 per 100; $70 per 1000. Fine plants.
The above are rooted cuttings, except when noted Cash must accompany all orders.

J. E. FELTHOUSEN, Schenectady, N.Y
Mention the Florists' Exchange when writing

Greenhouse Heating and Ventilating

Horticultural Architecture and Building.



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ESTABLISHED 1844.
233 Mercer Street, New York.

FIVE PATTERNS OF BOILERS,
Nineteen Sizes.
Perfect Sash Raising Apparatus.
Rose-houses, Greenhouses, Etc., of Iron Frame Construction erected complete or the Structural Iron Work shipped ready for Erection.
Iron Frame Benches with the
"Perfect Drainage Bench Tile"
for Slate Tops.
Send 4c. Postage for Illustrated Catalogue
Mention the Florists' Exchange when writing.

GALAX LEAVES

To Dealers outside New York State
Choice Galax..... ..... $0 40 per 1000
Choice Leucothoe..... ..... 2 00 "
Special attention given orders to go in cold storage. ORDER AT ONCE.
J. N. PRITCHARD, Elk Park, N. C.
Mention the Florists' Exchange when writing



5,000,000 Hardy Cut Ferns
at 75c. per 1000
In 10,000 lots.
All orders under this amount $1.00 per 1000.
Sphagnum Moss, 50c. a bbl.
Am now ready to wait on all florists by mail or dispatch.
THOMAS COLLINS, Hinsdale, Mass.
Mention the Florists' Exchange when writing.

GALAX LEAVES

For latest prices green and bronze Galax Leaves and Leucothoe, address the introducer,
HARLAN P. KELSEY,
Tremont Bldg., BOSTON, MASS.
Mention the Florists' Exchange when writing.

1900—HAPPY NEW CENTURY—1900

GREEN GOODS.

WRITE, TELEGRAPH OR TELEPHONE.

Galax Leaves, Brilliant Bronze, $1.00 per 1000, and Brilliant Green, $1.00 per 1000.
Leucothoe Sprays.....$1.00 per 100
Needle Pines.....$1.50 to $2.50 per 12
Wild Smilax, "Hand Picked" Brand, 50 lb. case, $6.50; 35 lb. case, $4.50.
Fancy Fern, Dagger Fern, etc., etc., and all kinds of "Green Goods." Prices on application.
HARRY A. BUNYARD, 42 W. 28th St., N. Y. City.
TELEPHONE 2065 MADISON SQ.
Mention the Florists' Exchange when writing.

RECEIVED PER STEAMER . . . GEORGIAN . . .

NEW CAPE FLOWERS

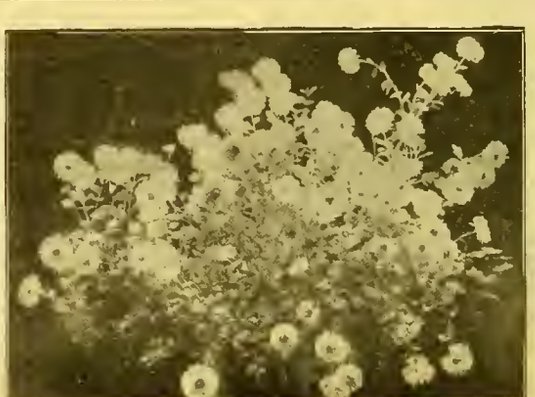
"New" Enameled **POTCOVERS** superior to anything in the market.
Any color you desire.

6 inch.....$3 per dozen	9 inch.....$6 per dozen	11 inch.....$8.25 per dozen
7 inch.....$4 per dozen	10 inch.....$7 per dozen	12 inch.....$10.00 per dozen
8 inch.....$5 per dozen		

Stands to match 75 cents each.

A. HERRMANN, Manufacturer of Metal Floral Designs.... Importer and Dealer in Florists' Supplies,
404, 406, 408, 410, 412 East 34th Street. NEW YORK CITY.
Mention the Florists' Exchange when writing.

CHRYSANTHEMUM **"Little Chris"**



Bloomed with us continuously from March until January.
Plant dwarf, flowers small, white.
Valuable as a pot plant, for funeral work or cut sprays.
Sold well at Easter and Decoration Day.
Cut back plants, with young growth from bottom, from 4 and 5-inch pots, 25c. and 35c. each; four and three for $1.00. Plants from 2-inch pots later.

W. T. BELL & SONS,
FRANKLIN, PA.
Mention this paper.

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant.

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XII. No. 4. NEW YORK, JANUARY 27, 1900. One Dollar Per Year.

Having Purchased the Entire Stock of the

New Chrysanthemum

COL. D. APPLETON

We Are Now Ready to Book Orders for It.

This is a magnificent yellow variety of immense size, and is equally desirable for commercial purposes or for exhibition. It is the most valuable chrysanthemum, all things considered, that has been sent out for some time. In 1898 it was exhibited before the New York Committee, when "American Gardening" stated that it was the best seedling brought before that committee that year. "Gardening" stated in 1899, that the Chicago Committee, before which it was exhibited, considered it one of the best chrysanthemums seen in Chicago for a long time. The high value placed upon it by the several committees before which it was exhibited last season will best be shown from the fact that it was awarded not less than 91 points on both commercial and exhibition scales, scoring as high as 95. It is a phenomenal record for any chrysanthemum to score so high both for exhibition and commercially, and **Col. D. Appleton** certainly has a great future.

The flower is a magnificent Japanese incurved, bright yellow, of immense size, measuring 22 in. in circumference, with a depth as great as its breadth, not showing any center, lower florets reflexing to the foliage. Besides its immense size and beautiful color, another point in its favor is its almost faultless stem and foliage. Stem is strong, carrying the flower erect; foliage strong, but not too large, and grows fully up to bloom. An idea of the great value of this variety can best be obtained when it is stated that the flowers were sold to one of the leading New York florists last season, who paid $5.00 a dozen for the entire crop.

Strong Plants, 2¼ in. pots, $3.50 per doz.; $25 per 100. Ready for delivery March 1st.

WE ARE ALSO AGENTS FOR THE **LIBERTY ROSE**

This is having a phenomenal sale. Customers wishing early delivery should place orders without delay. Plants ready for delivery March 20th. Strong plants, 2½ in pots **25 plants at 50 cts. each; 50 plants and less than 100 at 30 cts. each full hundred lots and up at 25 cts. each.**

Grafted plants, 25 plants at 60 cts. each; 50 plants and less than 100 at 50 cts. each; full hundred lots and up at 40 cts. each.]

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

PLUMP BULBS

AT PLEASING PRICES FOR PRESENT PLANTING.

No Juveniles but fully matured Seniors.

Gladiolus —All First Size Bulbs.

Gladiolus. All colors, mixed. This mixture will be found to contain a liberal percentage of white and light kinds and equal to some of the best mixtures sent out. The bulbs are a little irregular in shape, which does not interfere with their flowering qualities in the least. Per doz., 15c.; a 100, 75c.; 1000, $6 50.

American Hybrids. Mixed. This mixture is grown especially for us and can be recommended for florists' use. The bulbs are all selected and contain at least more than 50 per cent. white and light types. Per doz., 20c.; per 100, $1.15; per 1000, $9 50.

White and Light Varieties. Mixed. There is no better mixture of white and light Gladiolus than this sold, no matter what price is paid. The bulbs are all selected and large and the varieties the best and most suitable for florists' use. Per doz., 25c.; per 100, $1 50; per 1000, $12 50.

Begonias—Tuberous Rooted.

The fact of our being the American agents for one of the most important European growers of this useful bulb, enables us to offer the choicest stock at figures unapproched by dealers.

Single Flowers. White, pink, red, yellow and scarlet; separate colors or mixed. Bulbs 1¼ in. and up in diameter. Each, 5c.; per doz., 35c.; per 100, $2 ; per 1000, $17.50.

Double Flowers. Each, 10c ; per doz., 65c.; per 100, $5 ; per 1000, $45 00.

Richardia alba maculata. Spotted Calla. 45c. per doz.; $3 per 100; $25 per 1000.

Amaryllis Johnsoni. Very large bulbs, 7 to 9 in. and over. $1 50 per doz.; $10 per 100.

Amaryllis Rosea. Large bulbs. 35c. a doz ; $2 a 100; $15 a 1000.

Hyacinthus Candicans. Large bulbs, 20c. per doz.; $1 50 per 100.

Madeira Vine Roots. 25c. per doz.; $1 50 per 100; $10 per 1000.

Cinnamon Vine. Mailing size. 30c. per doz.; $2 per 100. Extra size. 40c. per doz.; $2.50 per 100.

Caladium, or Elephant's Ear.

Sound bulbs, with good, live centre shoots.

Caladium Esculentum. 5 to 7 in. in circum. 40c. per doz.; $2 25 per 100; $20 per 1000. 7 to 9 in. in circum. 60c. per doz., $3.75 per 100; $35. per 1000. 9 to 12 in. in circum. $1. per doz; $7. per 100; $60. per 1000. 12 in. and up, circum. $1.50 per doz.; $10. per 100. **Fancy leaf** varieties, fine assortment, $1 25 per doz.; $7.50 per 100.

Cannas—Dormant.

We are Headquarters.

All leading and popular varieties. Full list on application. 5c. each; 35c. per doz.; $2 per 100; $15 per 1000.

Tuberose Double Pearl.

Bulbs measuring 4 to 6 in. in circumference, extra quality, 75c. per 100; $6 50 per 1000. 3 to 4 in. bulbs. 50c. per 100; $3 75 per 1000, or barrel of 2000 bulbs for $7.

Dahlias.

Whole Dry Roots, Field Grown.

Double mixed varieties, dwarf and tall. $5 per 100; $42 50 per 1000.

Double, named, assorted, $6 a 100; $55 a 1000.

Cloxinias.

Bulbs of large size, measuring 1½ to 3 in. in diameter.

Finest Mixed. 50c. per doz.; $3 per 100; $27 50 per 1000.

Separate Colors. White, red, blue and spotted. 60c. per doz.; $4 per 100.

CLUCAS & BODDINGTON CO.,

342 WEST 14th STREET, Telephone 461 18th. **N. Y. CITY.**

Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS.

ORDERS BOOKED NOW

In order of receipt, for Rooted Cuttings of the Famous....

Mrs. Thomas W. Lawson,

The $30,000 Queen of **CARNATIONS** FOR SPRING DELIVERY.

COMMENCING FEBRUARY 1st, 1900.

Prices:	Per dozen	$3
	Per 100	$14
	Per 1000	$120
	Per 5000 . . .	$500
	Per 10,000 . .	$800

TERMS: Strictly Cash, or C.O.D. from Unknown Parties.

The quoted prices are for THE TRADE ONLY, and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower,

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

Thos. F. Galvin 124 Tremont St., BOSTON, MASS.

NEW CARNATIONS

We are now ready to take orders for

STRONG ROOTED CUTTINGS.

GEN. MACEO. Most profitable dark carnation.

G. H. CRANE. Most profitable scarlet carnation.

GLACIER. Good side bench, white.

MORNING GLORY. Deeper and better shade than Daybreak.

Above at $1 per doz.; $6 per 100; $50 per 1000.

GEN. GOMEZ. Best selling crimson.

MRS. G. M. BRADT. Best selling fancy pink.

Above at 75c. per doz.; $5 per 100; $40 per 1000.

WHITE CLOUD. Finest white to date.

GOLD NUGGET. Good deep yellow.

Above at 50c. per doz.; $4 per 100; $30 per 1000.

MRS. JAS. DEAN. The finest fancy pink, $3 per 100; $25 per 1000.

MRS. THOS. W. LAWSON. The famous $30,000 pink, $3 per doz.; $14 per 100; $120 per 1000.

OLYMPIA. A rival to Mrs. Bradt, $2 per doz.; $12 per 100; $100 per 1000.

THE MARQUIS. A rival to Mrs. Lawson.

GENEVIEVE LORD. A grand pink, style of Mrs. Dean.

ETHEL CROCKER. Another fine pink that promises to be very profitable.

Above at $2 per doz.; $10 per 100; $75 per 1000.

25 at 100 rate; 250 at 1000 rate.

We have fine large healthy stocks and will deliver only fine, strong well rooted cuttings.

Send your Orders early.

C. W. WARD, Manager.

THE COTTAGE GARDENS, Queens, N. Y.

HURRY ALONG

YOUR SEED. Nothing Gained by Delay. We Have the Stock.

	Tr. pkt.	Oz.
Alyssum, Little Gem	$0 10	$0 25
Antirrhinum, Tom Thumb, 7 colors, separate, each	15	60
Antirrhinum, Tom Thumb, mixed	15	40
Aster, Queen of the Market, mixed	15	50
separate colors, each	15	75
Balsam, Elliott's Dbl. White Perfection,	25	1 00
Begonia, Vernon	25	
Cobæa Scandens, blue	15	35
Dracæna Indivisa	15	30
Lobelia, Crystal Palace Compacta	25	2 00
Petunia, choice Blotched and Striped	25	1 00
" Fimbriata Grandiflora	1 00	
Phlox Drummondi, Nana Compacta, mixed	25	1 50
Salvia Splendens	25	1 50
Smilax	lb., $3.50	15 35
Stock, Ten Weeks Cut and Come Again,	50	3 50

	Tr. pkt.	Oz;
Stock, Ten Weeks, Snowflake, ⅛ oz., $1.75	$0 50	
Verbena, Elliott's Mammoth Mixed	25	$1 50

Complete List Now Ready and will be Mailed Free Upon Application.

WM. ELLIOTT & SONS, 54 and 56 Dey St., New York.

Mention the Florists' Exchange when writing.

High-Grade Florists' Flower Seeds

	Per oz.
Alyssum, Little Gem	$0.25
Ampelopsis Veitchii (Japan Ivy)	.25

ASPARAGUS

Plumosus Nanus	per 100 seed, $1.00
Sprengeri	per 100 seed, .75

ASTERS

Semple's Branching—
White, pink, lavender, crimson, purple.
Per ⅛ oz., 15 cts.; per oz., 75 cts.

Queen of the Market—
White, pink, light blue, dark blue.
Per ⅛ oz., 15 cts.; per oz., 60 cts.

Victoria, in six colors.
Per ⅛ oz., 25 cts.; per oz., $2.00.

Begonia Vernon	per ⅛ oz, $0.50
Candytuft Empress	per oz., .20
Cobæa Scandens	per oz., .40

MIGNONETTE Machet Improved. Per ¼ oz., 25c.; oz., 75c.

PHLOX, Nana Compacta

	Per ⅛ oz.	Per oz.
Fireball	$0.40	$2.50
Snowball	.30	2.00
Mixed	.25	1.50

SALVIA NANA COMPACTA—Bonfire. Per ⅛ oz., 50 cts.; per oz., $3.00. SPLENDENS—⅛ oz., 20c.; oz., $1.25.

SMILAX Per ⅛ oz., 10c.; per oz., 35c.

SWEET PEAS And complete list Flower Seeds and Bulbs. See page 52, last issue.

STUMPP & WALTER CO., 50 BARCLAY ST., NEW YORK.

Mention the Florists' Exchange when writing.

SEEDS OF **Asparagus Sprengeri**

$7.50 per 1000 seeds; 80 cts. per 100 seeds.

ASPARAGUS PLUMOSUS NANUS
$10.00 per 1000 seeds; $1.25 per 100 seeds.
Less 10 per cent. for Cash with Order.

AUGUST RÖLKER & SONS, 52 DEY ST. NEW YORK.

Mention the Florists' Exchange when writing

Howard's Royal Splendor Verbena Seed

Large flowered, great variety and richness of colors. Compact habit.

Evidence of Quality.

M. CARRAHAN, Kingston, Pa., Jan. 16, 1900, says:—'Kindly forward by mail $2.00 worth of that unequaled strain of Verbena Seed."

Choice mixed colors, per trade pkt., 35 cts.

A. B. HOWARD, Belchertown, Mass.

Mention the Florists' Exchange when writing

DANISH CAULIFLOWER SEED.

Early Dwarf Danish Snowstorm, selected up by my grower for a quarter century. Always uniformly good, solid, large white heads and early.

No matter what you pay, you cannot get a finer strain. Oz., $2.50. Sample free.

Fringed Hollyhock, Allegheny, new, oz., $2.00.

Prices on quantity on application.

A. E. WOHLERT, Importer, Altoona, Pa.

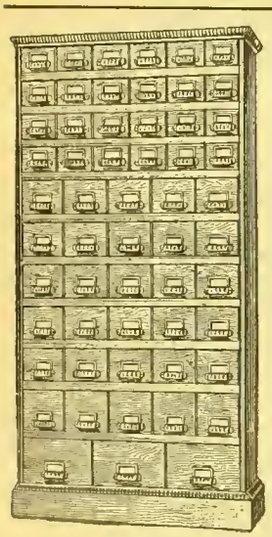
Mention the Florists' Exchange when writing.

NOW IS THE TIME TO BUY

ASPARAGUS PLUMOSUS NANUS SEED—(Home grown), $1.00 per 100 seeds, $9.00 per 1000 seeds.

ASPARAGUS SPRENGERI SEED, New Crop—75c. per 100 seeds; $6.00 per 1000 seeds.

HENRY F. MICHELL
1018 Market St., Phila.
WHOLESALE PRICE LIST OF SEEDS, BULBS &c. ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS.



SEED CASE FITTED WITH HELLER'S STEEL SEED BOXES. Mice and Insect Proof. Send for Catalogue. Montclair, N. J.
HELLER & CO.,

Mention the Florists' Exchange when writing.

PALM SEEDS

FRESH ON HAND.

	100	1000	3000
Phœnix Tenuis	$0.75	$5 00	$13.50
" Pumila	1.00	8.00	22.50
Pandanus Utilis	1.25	10.00	27.50
Asparagus Plum. Nanus, true	1.25	9.00	26.50
" Sprengeri	.75	6.50	18.00

L. J. SCHILLER, 404 E. 34th Street, New York.

Mention the Florists' Exchange when writing

TUBEROSES=The Pearl

Size, 4 to 6 inches circumference,
Per 1000, **$6.50 Net.**

CASH WITH ORDER.

HULSEBOSCH BROS., Englewood, N. J.

Mention the Florists' Exchange when writing.

ASTER Semple's white, pink, dark blue, oz., $1.00; Queen of the Market, fine mixed, oz., 60c. **Centaurea** Marguerite, oz., 60c. **Phlox** Drummondi nana compacta, mixed, oz., $4.00. Fireball, Snowball, oz., $1.25. **Mignonette,** improved Machet, oz., $1.00; Defiance, French seed, $1.25. **Pansy,** Giant Mixed, oz., $2.00; Trimardeau, fine mixed, oz., $1.25. **Petunia,** double mixed, trade pkt., 50c. **Verbena,** mammoth, fine mixed, oz., $1.00. **Stock,** large, 10 weeks, white, pink, dark blue, ½ oz., $1.25. All the above in large trade pkts., 20c. Sample free.

BEAULIEU, Woodhaven, N. Y.

Mention the Florists' Exchange when writing.

Branching Aster Seed

White, Pink, Purple, Rose and Lavender. Separate colors, 75 cts. per oz. 1899 stock.

J. G. KEELER,

2 Fountain Street, ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUM SEEDS

"California Fantasies."

Perennial varieties, splendid mixed. Saved from a **Splendid Collection** of new, rare, beautiful and esthetic flowers.

50 cts. per trade pkt.; $1.75 per ⅛ oz.

Send for Trade List of Seeds.

MRS. THEODOSIA B. SHEPHERD,
Ventura-by-the-Sea, Cal.

Mention the Florists' Exchange when writing.



ESTABLISHED 1878.

FERN BALLS

There is MONEY in them.

Splendid for **EASTER** if started now.

We offer three sizes:

	Each.	Doz.	100.
6-7 inch diameter	$0 50	$4.00	$30.00
7-8 " "	.60	5.00	35.00
Moosters, Extra fine, 1 ft. diameter	.75	8.00	65.00

These latter when in foliage are a grand sight.

Watch for our advt. in next issue.

Send for NEW LIST of all BULBS, SEEDS, Etc. Ready Now.

ASPARAGUS—	100	1000
Plumosus Nanus	$1.00	$9 00
Spreogeri	.75	6.00

H. H. BERGER & CO.,
47 Barclay St., NEW YORK.

Mention the Florists' Exchange when writing.

DOUBLE PEARL TUBEROSE BULBS

Sound, healthy stock. No. 1—4 inches up, at $1.00 per 100; $6.00 per 1000. No. 2—3 to 4 ins., 50 cents per 100; $3.00 per 1000.

CHAS. BLACK, Hightstown, N. J.

Mention the Florists' Exchange when writing.

EXTRA CHOICE FLOWER SEEDS.

List free on application.

FRED. ROEMER, SEED GROWER, Quedlinburg, Germany.

Mention the Florists' Exchange when writing.

SEEDS for Profit

FLORISTS' FLOWER SEEDS **Sweet Peas**

Wholesale Catalogue on application.

WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., New York City.

Mention the Florists' Exchange when writing.

DO YOU WANT THE BEST?

We supply Danish grown seed of

Cauliflower and Cabbage Danish Ball Head.

BEST QUALITIES, FINEST STOCK.
CHEAPEST PRICES.
Samples and prices free on application.

L. DAHNFELD, Odenese, Denmark. (Established 1850.)

Mention the Florists' Exchange when writing.

GERMAIN FRUIT CO.'S

California Grown Seeds.

SPECIALTIES:

Wax Beans,	Cosmos,	Onion,
Lima Beans,	Verbenas,	Lettuce,
Salt Bush,	Asters,	Celery,
Bermuda Grass,	Tree and	Carrot,
Johnson Grass,	Shrub Seeds.	Parsnip,
Sweet Peas,		Salsify.

Calla, Freesia, Amaryllis Bulbs, Pampas Plumes. Correspondence Solicited.

LOS ANGELES, CAL.

Mention the Florists' Exchange when writing.

Our Wholesale Price List of

Choice Flower Seeds

FOR FLORISTS

Is now ready. A post card will bring it to you. We have still on hand some of our

Lily of the Valley Pips

The finest that come to this country. Per 1000, $10.00. Cases of 3000 at $9.00 per 1000.

J. M. THORBURN & CO.,
36 Cortlandt Street, NEW YORK.

Mention the Florists' Exchange when writing.

We are Headquarters for
ROCKY FORD
Cantaloupe Seed. We Solicit Your Orders
BARTELDES & CO., Denver, Col.

Mention the Florists' Exchange when writing.

RAWSON'S
Arlington Tested Seeds

Are now well known to some florists, we want them known to all florists. Special price list sent on application.

W. W. RAWSON & CO., Boston, Mass.
12 and 13 Faneuil Hall Sq.

Mention the Florists' Exchange when writing.



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COX SEED CO.

Wholesale Seedsmen

14 & 16 Ninth Ave., NEW YORK. 411, 413, 415 Sansome St., SAN FRANCISCO.

Mention the Florists' Exchange when writing

Best Quality at Lowest Rates.

ROMAN HYACINTHS,

NARCISSI, FREESIA,

and other French Bulbs for forcing.

BERNARD SON, 29 Boulevard du Musée Marseille, France.

Bulb Grower and Exporter.

Established 1872. Bulbfields—Hyères, Ollioules.

WHOLESALE ONLY.

Mention the Florists' Exchange when writing.

Florists Flower Seeds and Bulbs

ASTER Semple's True Branching, mixed, large trade pkt., 20c.; per oz., 50c. Semple's Shell Pink, white and red, large trade pkt., 25c.; per oz., 75c. Imp. Peony Flowered Perfection, mixed, large trade pkt., 25c. per oz., 75c.; Imp. Victoria, mixed, large trade pkt., 25c.; per oz., $1.25.

AMPELOPSIS VEITCHII per oz., 10c.; per lb., 75c.

CLEMATIS PANICULATA (Fine stock) large trade pkt., 15c.; per oz., 50c.; per lb., $5.00.

COSMOS California Giants, large trade pkt., 10c.; per oz., 40c.

CALLA Spotted Leaved, large bulbs, per doz., 40c., per 100, $2.75.

LILY OF THE VALLEY PIPS Berlin, 3 years old and grown, large crowns, per 1000, $10.00; per case (2500), $23 00.

LILIUM Auratum, Japanese grown, fine bulbs, 8-9, per doz., 75c.; per 100, $4.75; 9-11, per doz., $1 00; per 100, $7.50. L. Speciosum Rubrum, 8-9, per doz., 75c.; per 100, $4.75; 9-11, per doz., $1.00; per 100, $7.50. L. Speciosum Album, 8-9, per doz., 80c.; per 100, $6.00; 9-11, per doz., $1.00; per 100, $7.00.

SALVIA SPLENDENS (Floracroft strain), large trade pkt, 20c.; per oz., $1.00.

SMILAX, per oz., 30c.; per lb., $2 50.

VERBENA Mammoth Mixed. Large trade pkt., 25c.; per oz., $1.00.

SEND FOR FLORISTS' WHOLESALE LIST.

JOHNSON & STOKES, Seedsmen, 217 and 219 Market St., **PHILA., PA.**

Mention the Florists' Exchange when writing.



Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Chicago, Ill., President; ALBERT MCCULLOUGH, Cincinnati, First Vice-President; F. W. BOLGIANO, Washington, Second Vice President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

Dunkirk N. Y.—The South Shore Seed Co. has been organized by John M. Hackett and James L. Droben, who have formed a co-partnery.

Warren, O.—S. C. Templin, of Calla, was in Warren, January 18, conferring with members of the Merchants' Association relative to establishing a flower seed industry near this place.

J. E. Morse, of Detroit, is the winner in the recent garden contest, originated by the American Agriculturist, the aim being to bring out "most clearly and fully the actual product and returns from the garden, receipts and expenses and methods pursued." Mr. Morse's garden was planted entirely with Burpee's seed; and he gets $750 for his efforts.

The Florida Seed Law.—An act passed at the session of the Florida Legislature last May, making it unlawful for any person or persons, firm or firms, or any one doing business in Florida, to sell or offer for sale any garden, melon or vegetable seed, unless the original package in which the same is inclosed or in which the seed are sold shall have written or printed thereon on the outside, in plain letters, a guarantee as to when, where and by whom all such seed were grown, is having an unfortunate, not to say disastrous, effect upon the wholesale and retail dealers in seeds throughout the state. It is said that one large seed firm has been driven from the state, through this legislative measure, "which," says a Southern paper, "is proving a source of confusion and trouble to drug stores and merchants who buy seed in bulk at wholesale from Northern and western seed houses, by whom the seed are secured from numbers of different growers, so that in the very nature of things it is next to an impossibility to honestly comply with the provisions of the statute."

Grasses for Lawns.

Editor Florists' Exchange.

We notice in your last issue is recommended several mixtures for lawns, and among all of them is included orchard grass seed, and in one of two timothy as well. Neither orchard nor timothy are suitable for any first-class lawn, where it is expected to use a lawn mower, from the fact that they grow in stools. Our experience is that you cannot keep a first-class lawn without using lawn mowers, and a roller is also very desirable; but above all, it requires a first-class mixture, and first quality of seeds, and we would never think of recommending orchard, timothy, Hungarian or millets in any form. J. CHAS. MCCULLOUGH.

Cincinnati.

Horticultural Advertising.

In a recent issue of Agricultural Advertising, J. C. Vaughan, Chicago, discusses the above subject, treating it under the following heads:

Scope—geographically; Duration—how spread over the years; Season of the year; Class of mediums; Size of advertisements; Frequency of insertion; Change of copy; Matter advertised; Illustrations used; Relative size of illustration and reading; Types; Use of priced offers; Use of a standard specialty for pushing general lines.

(1) Scope.—This, to some extent, is to be determined by the nature of the stock handled. If a man offers standard seed only, which can be had in every country town, it would seem that unless his catalogue contained some other specialties well displayed and of much merit, his advertising should be at least limited to his state or a radius of a few hundred miles. It would hardly be wise for an Ohio man to spend much money to place such a catalogue in other well-covered states. It is the specialty catalogue at light postage, or the large general catalogue containing variety in many lines not readily obtainable locally, that will bear advertising over all the country. The economy with which the articles offered can be delivered at destination must be carefully considered in these lines.

(2) Duration.—The day for building up a permanent seed business in a year is possibly over, and it is doubtful if $20,000 put into "Welcome" oats or any other in 1900 would bring with it as much permanent business for the advertiser as it did 20 years ago. All things considered, that splurge necessary to double a business annually must be considered as decided in the nature of a speculation. The safer conservative course would doubtless be to lay out a five-year plan of approximate uniform expense.

(3) Season for publication.—With a wide range of latitude from Texas to California, to Maine or Minnesota, and an early printed catalogue, the advertising season is necessarily longer than otherwise. Speaking in a broad way, it is probably well to strike when the iron is hot. Let advertisements appear not sooner than two or three weeks before a fair percentage of the mail order buyers are beginning to order. This, in the months of a large national circulation, would mean February numbers, or, if only one issue is wanted, that which is likely to be read by the largest number of buyers, though at the same time crowded, with most seed and plant advertisements, the March issues must be taken. This applies to all central latitudes—not to the South or the Pacific Coast. The older method with weekly papers has been to use 13 issues, three

Perry Watson & Co.

CALIFORNIAN SEED HOUSE

—SPECIALTIES—

Onion Seed	Sweet Peas	Lima Beans
Lettuce	Cosmos	Salt Bush
Celery	Hollyhock	Bromus Grass
Carrot	Verbenas	Bermuda "
Salsify	Asters	Johnson "
Parsnip	Mignonette	etc.
etc.	etc.	

ALL CALIFORNIA GROWN. WHOLESALE ONLY.

SACRAMENTO CALIFORNIA

Mention the Florists' Exchange when writing.

VAUGHAN'S FLOWER SEEDS.. FOR PRESENT SOWING



Strictly high-class, new crop flower seeds of choicest, most carefully selected strains for florists' use.

PANSY, VAUGHAN'S INTERNATIONAL MIXTURE, which is better now than ever. Trade pkt., 50c.; ⅛ oz., $1.50; ¼ oz., $2.50; oz., $10.00.

PANSY, VAUGHAN'S GIANT MIXTURE, contains all the separate colors of Trimardeau, Cassier, Bugnot and a number of new colors. Trade pkt., 25c.; ⅛ oz., 00c.; ¼ oz., $1.00; oz., $4.00; ¼ lb., $14 00.

PANSY, TRIMARDEAU, mixed. Trade pkt., 10c., ¼ oz., 30c.; oz., $1.10; ¼ lb., $3 00.

PANSY CHICAGO PARKS MIXTURE. trade pkt., 10c.; ⅛ oz., 30c.; oz., $1.00; ¼ lb., $3.00.

BROWALLIA SPECIOSA MAJOR (Giant Browallis). Trade pkt., 25c.

DAISY, VAUGHAN'S MAMMOTH WHITE, MAMMOTH PINK AND MAMMOTH MIXED. Each, trade pkt., 25c.

DAISY, SNOWBALL AND LONGFELLOW. Each, pkt., 15c.

CENTAUREA GYMNOCARPA. Trd. pkt, 10c.; oz. 40c.

CENTAUREA CANDIDISSIMA. 1000 seeds, 25c.; oz., $1.00.

DRACAENA INDIVISA. Oz., 30c. lb., $2.50.

FERN SEEDS, Adiantum, Nephrolepis, Pteris, etc. Trade pkt., 50c.

HELIOTROPE, LEMOINE'S GIANT. Trd. pkt., 25c.

LOBELIA SPECIOSA. Trade pkt., 10c.; ¼ oz., 25c.

" **CRYSTAL PALACE COMPACTA.** Trade pkt., 25c.; ¼ oz., 50c.

LOBELIA BEDDING QUEEN, deep blue. Pkt., 25c.

" **WHITE LADY.** Dwarf white. Pkt., 15c.

" **SUTTON'S GEM.** White, pink or blue. Each, trade pkt., 20c.

MIGNONETTE MACHET, true. Pkt., 10c.; oz., 40c.

DAISY BISMARK, new. An improved Machet. Pkt., 15c.; ¼ oz., 30c.

PETUNIA HYB., BLOTCHED AND STRIPED. Trade pkt., 10c.; ¼ oz., 25c.

PETUNIA, "VAUGHAN'S BEST" Mixture of large-flowering, none better, includes all the fringed sorts, as well as Giants of California and other choice strains. Trade pkt. (1000 seeds), 50c.; 3 pkts. for $1.25.

PETUNIA, VAUGHAN'S DOUBLE MIXED, extra fine, 600 seeds, $1.00.

PETUNIA, DOUBLE WHITE AND DOUBLE FRINGED WHITE. Each, 250 seeds, 50c.

PRIMULA FORBESI. "Baby Primrose." 500 seeds, 25c.

PRIMULA FORBESI COMPACTA, new, 500 seeds, 35c.

SALVIA SPLENDENS. Clara Bedman. Pkt., 25c.

" " Drooping Spikes, ¼ oz., 25c.

" " New Crimson. Pkt., 25c.

PRIMULA OBCONICA GRANDIFLORA AND ROSEA. Each, trade pkt., 25c.

STOCKS, large flowering, ten-week, white, pink, blood red, crimson, light blue, purple, canary yellow and extra choice mixed. Each, trade pkt., 25t.; any 5 for $1.00.

THUNBERGIA, mixed. Oz., 30c.; pkt., 10c.

TORENIA FOURNIERI COMPACTA AND WHITE WINGS. Each, trade pkt., 25c.

VINCA ROSEA. Alba, Alba Pura and mixed. Each, trade pkt., 10c.; oz., 60c.

VERBENA, MAMMOTH MIXED. Trade pkt,, 10c.; ¼ oz., 25c.; oz., $1.00.

VERBENA, white, scarlet, striped, purple. Each, trade pkt., 10c.; ¼ oz., 25c.

VERBENA, "VAUGHAN'S BEST" MIXTURE contains all the best colors and strains of Verbenas that are in existence. It is one of those mixtures like our International Pansy, Best Petunias, etc., that cannot be duplicated elsewhere. Trade pkt., 25c.; ¼ oz., 60c.; oz., $2.00.

We allow a discount of 10 per cent. on orders for flower seeds for $2 00 and over for cash with order. For other seeds, send for our complete Flower Seed List.

TUBEROSE BULBS!

Excelsior Dwarf Pearl.

True Hallock Strain.

New York—VAUGHAN'S SEED STORE—Chicago

Mention the Florists' Exchange when writing.

BARGAINS

In **CALIFORNIA PRIVET, AMPELOPSIS VEITCHII, CLEMATIS PANICULATA SHRUBS and GRASSES.**

Write for Prices.

The Elizabeth Nursery Co., Elizabeth, N. J.

Mention the Florists' Exchange when writing.

ASTER SEED

Tall branching, mixed, choice strain. 75 cts. per ounce

Mignonette Seed. Allen's Defiance, $1.00 per ounce.

Pansy Seedlings. Reck's Strain, 35c. per 100. $3.50 per 1000.

Cash with order from unknown parties.

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

Flower Seed that will Grow

ASTER, Semple's, White, Pink, Lavender, Mixed, Peony flowered, Victoria, Giant Comet, Queen of Market, 75 cts. per oz.; large trade packet, 25 cts.

MIGNONETTE. Allen's Defiance, Golden Queen, Pure Machet, per oz., 50 cts.; large trade packet, 15 cts.

COBÆA SCANDENS, purple, per oz., 30 cts.; trade pkt., 10 cts.

VERBENA, Mammoth Flowering, choicest mixed, per oz., $1 00; ¼ oz., 40 cts.; large trade pkt., 25c.

SWEET PEAS. Extra Early Blanche Ferry, B. Burpee, Mrs. J. Chamberlain, K. Tracy, Ovid, Novelty, Meteor, Gray Friar, E. Henderson, E. Eckford, C. of Aberdeen, Captivation, Capt. of Blues, Blanche Ferry, A. Eckford, per pound, 40 cts.; per oz., 10 cts.

MIXTURE containing all the above sorts, per pound, 25 cts.; per oz., 5 cts. Satisfaction guaranteed.

Cash with Order.

GEO. L. MILLER, - Newark, Ohio.

Mention the Florists' Exchange when writing.

VICK'S SEEDS

FOR FLORISTS.

All Home-Grown Seeds.

	¼ Oz.	Oz.
Aster, Vick's Daybreak, Pink	$1.50	$4.00
" " Purity, White	2.00	6.00
" Branching Comet, White	2.50	8.00
" Vick's Branching, in colors, White, Pink, Crimson and Purple, each	.25	.75

Trade List, also Garden and Floral Guide, now ready. Send for it.

JAMES VICK'S SONS, Rochester, N.Y.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR

DAHLIAS—CANNAS

DAHLIAS 250 varieties; Show, Fancy, Cactus and Pompon. We received last Fall, '99, in Berkeley Lyceum, from American Institute Fair, Five First and Four Second Prizes on Dahlias. Ask for prices on surplus stock.

CANNAS Good old standard varieties such as Mme. Crozy, Alphonse Bouvier, Charles Henderson, Paul Marquant, F. R. Pierson, Queen Charlotte, Italia and Austria, $12.50 per 1000; $2.00 per 100. **Three New Cannas**—Long Island, free-blooming yellow, large flowers and fine; Dwarf yellow for edging, Thomas Griffin; J. B. Dutcher, a better red than Henderson or Bouvier, $25.00 per 1000; $3 00 per 100. **Two Best Foliage Cannas**—Grand Rouge and Robusta, $10.00 per 1000; $1.50 per 100. Good, strong, divided, dormant roots; satisfaction guaranteed. Cash with order. Address all orders to

ROWEHL & GRANZ, Hicksville, L. I.

Mention the Florists' Exchange when writing.

XXX SEEDS

VERBENA GRANDIFLORA.

The finest strain of Improved Giant Verbenas yet produced, largest flowers and best colors, good percentage white, per pkt., 800 seeds, mixed colors, 50 cts.

CYCLAMEN CICANTEUM.

The choicest Giant-flowering varieties in best mixture, pkt., 200 seeds, $1.00; half pkt., 50 cts.

CHINESE PRIMROSE.

Best large, single and double, 500 seeds, $1.00

PHLOX DRUM. PUMILA.

New, very dwarf, perfect beauties, excellent for growing in pots for Spring sales, mixed colors, per trade pkt., 20 cts.

PANSY Finest Giant. Choicest mixed Mammoths, 3500 seed; $1.00; ½ pkt., 50 cts.

A pkt. of New Double Early-flowering Dwarf Vienna Carnation added to every order.

JOHN F. RUPP, Shiremanstown, Pa.

The Home of Primroses.

months. Those who wish issues likely to give the highest percentage of results usually run from February 15 to March 25 for seeds. Plant advertisements may begin two or three weeks later.

(4) Class of mediums.—In recent years the range of mediums for seed and plants advertisements has narrowed very much. Formerly the weekly newspapers of large circulation, like the Detroit Free Press, Kansas City Star, Chicago Inter-Ocean, and that class were freely used by large advertisers in our line, recently but little. All ladies' papers, some of the magazines of large circulation, most agricultural and horticultural, and quite a percentage of religious papers are used.

(5) Size of advertisements.—Here is a proposition on which doctors do disagree. It is very like the question of what type to use. Much depends on the size of the page of the publication in which the advertisement is inserted, also the number of insertions and the effectiveness of the picture, if any, used in the advertisement. A striking or showy picture, though small, would permit of the use of less space and attract more attention than if a mass of plain type were used. If the advertiser engages but few insertions he may naturally use considerably larger space with the same appropriation than when his card must run twice as long. The writer believes that a fair display can be made, if the type and cuts are carefully selected, on the basis of expending, say $5,000 in advertising during the season, in a space of 50 lines single column, or 25 lines double column.

(6) Frequency of insertion.—Experts disagree as much on this topic as the preceding one, but most admit that it is unwise to run the same advertisement, if it is one containing special offers, more than twice in succession in one medium, and recommend a change every issue.

(7) Advertising copy.—Up-to-date advertisers all agree that a plain business card is of little value. Some strong plain, conversational argument or talk, clearly setting forth the advantages claimed by the advertiser should occupy, say one-fifth or one-eighth of the total space in the card, in every advertisement. An offer giving the prices of some specialty or novelty controlled by the firm or owned at low cost is undoubtedly of great value in seed and plant advertising. The mention of catalogue to be supplied is also necessary. Some advertisers are reported to have used as many as three special offers in a single advertisement, and found them profitable.

(8) Illustrations.—This question is one of the most subtle and difficult of all plant and seed advertising problems, and he who successfully illustrates his offers by attractive cuts with pertinent meaning and application to the card which it is in and generally to the man's own business, may make many other blunders and still achieve a great measure of success, for an effective cut is the life and force of an advertisement.

(9) Relative size of illustration and reading matter.—Of course, all of the statements made in this connection must be understood to be very general and subject to wide difference in interpreting the same when adapted to different needs. A good general rule would perhaps give two-fifths of the advertisement to illustration and three-fifths reading matter.

(10) Type.—The matter of type can probably be left safely to expert printers, who are acquainted with the requirements of this class of advertising, but the larger head lines should be carefully studied, and for the purpose I believe the upper and lower case letters are strongest.

(11) Specialty.—The use of a specialty to advertise a general line of business is more valuable than many people think. It is said that customers who are attracted by a good novelty or specialty frequently order other standard articles at the same time.

(12) Use of priced offers.—An offer with price is a very desirable feature of every advertisement; I may say almost a necessity to a profitable one.

In conclusion.—Advertising must be backed up and followed by much careful detail work in handling orders, stock supplied, and all the routine of a well equipped business house.

Of more direct application in this connection, however, I should mention the need of carefully assorting the answers received and following them with one or two well-worded letters asking for the applicant's regular business, and why it is not given.

Lexington, Ky.—David Boone Honaker has been elected a director of the Chamber of Commerce of this city. He was born here on March 9, 1870, and after receiving his education entered the florist business. He is a member

CATALOGUES RECEIVED.

JOHN PEED & SON, West Norwood, London.—Seed Catalogue for 1900.

J. F. NOLL & CO., Newark, N. J.—Catalogue of Seeds for Farm and Garden. Illustrated.

J. M. THORBURN & Co., New York.—Wholesale Price List of Flower Seeds and Spring Bulbs.

WOOD & STUBBS, Louisville, Ky.—Descriptive Illustrated Catalogue of Seeds, Implements, etc.

J. M. PHILIPS' SONS, Mercerburg, Pa.—Illustrated Catalogue of Garden, Farm and Flower Seeds.

THE CAESEL NURSERY CO., North Clayton, O.—Price List of Fruit Stocks, Apple Grafts, Fruit Trees, etc.

F. BARTELDES & Co., Denver, Colo.—Illustrated Descriptive Catalogue of Seeds, with a List of Novelties.

THE COTTAGE GARDENS, Queens, N. Y.—Trade Price List for 1900. This catalogue is particularly valuable for the very full descriptions of the subjects enumerated, and the beautiful half-tone illustrations which it contains. The geraniums, of which a most extensive collection of the newest and best kinds is listed, are all classified by sections, while the chrysanthemums, including all the novelties, are grouped by colors and period of flowering. The cannas are likewise classified by color, thus making reference easy. As is well-known, Cottage Gardens is headquarters for the leading carnations grown to-day, a very full enumeration of which is included in the catalogue, accompanied by useful illustrations from life. In addition, the list contains collections of the newest in begonias, dahlias and other miscellaneous florist stock. It is well printed.

BURPEE'S FARM ANNUAL FOR 1900.—This welcome annual visitor is more interesting than ever. While performing the duties of a catalogue, it serves a far more useful purpose, being really a compendium of instructive information on all that is newest and best in the horticultural line; it tells just what the firm has discovered relative to the subjects enumerated, besides furnishing the opinions of others on a large number thereof, either after practical test or personal inspection. The annual itself is more attractive than ever, in a particularly dainty cover. Nasturtiums, new sweet peas, and the famous "Rocky Ford" or Burpee's Netted Gem Melons, are shown in colors, painted from nature, the latter, and a slice thereof, being so natural as to make the "mouth water," while the book is full of life-like illustrations from photographs. Of particular interest is the new feature for 1900 of giving "plain talks" as to the relative value for different purposes of all varieties of vegetables. Another interesting feature is the remarkable record of prizes won by the products of Burpee's seeds at leading State Fairs in 1899. "New creations" of intrinsic merit are offered in both vegetables and flowers. Altogether the catalogue shows most painstaking care in the effort to "tell the plain truth about seeds" as proved at Fordhook Farms—the largest trial grounds in America and elsewhere. It will be mailed free to any of our readers who mention this paper, when writing to the publishers, W. Atlee Burpee & Co., Philadelphia, Pa.

200 Pounds CANTALOUPE SEED
For sale. Improved, netted Gem, single pound, by mail, 50 cts. Special price on 50 lbs. or more.
JOHN MONKHOUSE, Jewella, La.
CADDO NURSERIES.
Mention the Florists' Exchange when writing.

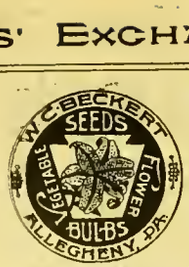
KUMQUATS The best and most satisfactory of the Citrus family for pot culture. Fine bearing trees, $1 each; extra size, $1.50 ea. A few hundred fine 1-year buds, at 50 cts. each.
TROPICAL NURSERIES, Avon Park, Fla.
Mention the Florists' Exchange when writing.

EMERSON C. McFADDEN,
Wholesale Grower and Importer,
PLANTS BULBS AND SEEDS,
United States Exotic Nurseries,
SHORT HILLS, N. J.
TRADE LISTS ON APPLICATION.
Mention the Florists' Exchange when writing.

We are Growers and Fountain Source of FOLLOWING SPECIALTIES:

Lima Beans—Bush and Pole	These New Vars. California Giant	Cosmos, choice Sweet Peas "
Kentucky Wonder	Branching Comet Asters	Verbenas "
Tall Germ'n Wax	Centaurea Imperialis	Calla Bulbs, Freesia Bulbs
Creaseback	Dianthus, Oriental Beauties	Seeds of all varieties of
All other sorts Pole	Masterpiece Pansy	Acacias
Bermuda Grass	Water Pineapple	Cypresses
Canalgne	Muskmelon	Eucalyptus
Carrot	Chilian	Palms
Celery	Watermelon	Thuyas
Lettuce	Australian	Musa Ensete
Onion	Browa Onion	Camphor Tree
Parsnip	Triumph Radish	Grevillea
Radish	Roselle, or Lemonade Plant	California Big Tree
Salsify	Asters, choice	California Red wood Tree, Etc.
Salt Bush		

Correspondence Solicited.
JOHNSON & MUSSER SEED CO.,
LOS ANGELES, CAL.



Semple's Aster
Choicest Home-Grown Seed, in white, shell-pink and lavender,
¼ oz., 25c.; oz., $1.00.
Catalogue on application, of leading flower and vegetable seeds for florists and market-gardeners.
W. C. BECKERT, Allegheny, Pa.
Mention the Florists' Exchange when writing.

CABBAGE PLANTS
Jersey Wakefield and other vars., from cold frame, transplanted, 25 cts. a 100; $1.50 a 1000; $12.50 a 10,000; if by mail, add 20 cts. per 100.

LETTUCE Boston Market, Teonis Ball, Curled Simpson, Grand Rapids, and other vars., 15c. per 100; $1 00 per 1000; $8 50 per 10,000; if by mail, add 10c. per 100.
Other vegetable plants in season. Cash with order.
R. VINCENT, JR., & SON, White Marsh, Md.
Mention the Florists' Exchange when writing.

100,000 PRIVET

	Per 1000		Per 1000
1½-2 ft.	$20.00	3-4 ft.	$35.00
2 3 ft.	30.00	4-5 ft.	45.00

Usual Assortment of ROSES, Including Crimson Rambler.
HIRAM T. JONES, Union County Nurseries,
ELIZABETH, NEW JERSEY.
Mention the Florists' Exchange when writing.

SURPLUS FOR SPRING 1900
Can yet do PEACHES and JAPAN PLUMS in limited quantity; also MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY, STRAWBERRIES from best leading varieties.
Prices for same given upon application.
MILFORD NURSERIES, Milford, Del.
ALEX. PULLEN, PROPRIETOR.
Mention the Florists' Exchange when writing.

CALIFORNIA PRIVET CUTTINGS
From choice plants, grown at the sea shore, for sale. In view of the immense demand for Privet, nurserymen should increase their stock of this favorite hedge plant.
Send $1.25 for sample of 1000 cuttings.
Atlantic Coast Nursery, 606 Fourth Avenue, Asbury Park, N. J.
JAMES H. CORNELL, Prop.
Mention the Florists' Exchange when writing.

AMERICAN ELMS
8 to 10 ft., 1 to 1½ in. caliper. 25 Elms, 6 to 9 in. caliper, fine specimens, well developed heads. Send for price list.
SAMUEL C. MOON, Morrisville, Bucks Co., Pa.
Mention the Florists' Exchange when writing.

TREES! TREES!
Norway, Sugar and Silver Maples
Norway Spruce and Arbor Vitæ.
WM. J. CHINNICK, Trenton, N. J.
Mention the Florists' Exchange when writing.

Bismarck Apple
DWARF.
Large stock, strong 3 year trees, also light plants for mail and express trade. Write for prices, stating grade and quantity required.
Thomas Meehan & Sons, Germantown, Phila.
Mention the Florists' Exchange when writing.

FRUIT and ORNAMENTAL TREES,
Shrubs, Vines and Roses.
Write for price list or send your lists of wants for special prices.
W. & T. SMITH CO., Geneva, N. Y.
Mention the Florists' Exchange when writing.

NORWAY MAPLES.

1000	8 to 10 feet.
1000	6 to 7 "
700	4 to 6 "
700	3 to 4 "
100	1 to 2 "

IRISH JUNIPERS.

500	3 to 4 feet.
500	2½ to 3 "
500	2 to 3 "

10,000 Peach Trees, General Assortment
The Maple and Juniper will be sold at very low prices in order to close out.
C. L. LONGSDORF,
Oak Hill Nurseries, Flora Dale, Adams County, Pa.
Mention the Florists' Exchange when writing.

A Picture of the....

EXPANSIVE TREE PROTECTOR.
Absolutely prevents all worms and insects from crawling up fruit and shade trees. For agency, territory and prices, address
EXPANSIVE TREE PROTECTOR CO
ROCHESTER, N. Y.
Mention the Florists' Exchange when writing.

F. & F. NURSERIES SPRINGFIELD, NEW JERSEY.
Wholesale Growers. TREES AND PLANTS in full assortment. Trade Catalogue Free.

THE STORRS & HARRISON CO., Painesville, Ohio,
Desire to call the attention of Florists and Nurserymen to their 40 acres of
HARDY ROSES, their complete assortment of FRUIT and ORNAMENTAL TREES and SHRUBS, and their 44 Greenhouses of ROSES, PALMS, FICUS, FERNS, ETC.
Correspondence and personal inspection solicited. Trade List and Catalogues free.
Mention the Florists' Exchange when writing.

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.
MAPLES.
100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.
Catalogues on application. Send estimate of wants for prices.
THE WM. H. MOON CO., GLENWOOD NURSERIES, Morrisville, Pa.
Mention the Florists' Exchange when writing.

TREES Fruit Trees, Small Fruits, including grapes. Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.
ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. Rochester, N. Y.

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN

WILSON J. PETERS, Troy, O., President; D. S. LAKE, Shenandoah, Ia., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

Rochester, N. Y.—C. H. Hawks, A. A. Mohera and T. J. Ferguson have organized the Hawks Nursery Company.

The Vermont Experiment Station, at Burlington, will shortly issue its Annual Report, in which will be included a study of the hybrid plums.

The "Sterns" is the name of a new seedling apple obtained from seeds of the Spitzenberg. The fruit is large, color red, streaked with darker red. The variety is said to be worthy of extensive trial.

West Plains, Mo.—The Smith Nursery Co. has been sold to P. P. Smith and Dr. C. R. Wade, of Mountain Grove. All the movable stock will be taken to the latter place, and a big nursery established there.

The testimony recently given by J. H. Hale, of Connecticut, before the industrial commission at Washington, to the effect that "he finds the colored farm labor of the South more satisfactory than white labor of the same class in Connecticut," is causing some stir in the Nutmeg State.

State Horticultural Society of Pennsylvania.—This society has elected the following officers for the current year: President, Howard A. Chase, Philadelphia; vice-presidents, Calvin Cooper, Bird-in-Hand; Daniel K. Herr, Lancaster; M. C. Dunlevy; recording secretary, E. B. Engle, Wanyesboro; corresponding secretary, William P. Brinton, Christiana; treasurer, Samuel C. Moon, Morrisville.

According to a recent bulletin (176, Cornell University Agricultural Experiment Station) Prof. Mark V. Slingerland has found that gas tar gives the best results as a remedy for the peach tree borer; but it must be used carefully and intelligently, as trees have been injured by its use. The bulletin also enumerates suggested remedies that have been found dangerous, ineffectual or useless, and partially effective.

Nebraska State Horticultural Society.—At the annual meeting held recently in Lincoln, among the papers read and discussed were: "Plants Suitable for the Farm House," J. H. Hadkinson, of Omaha; "Bulbs," L. C. Chapin, of Lincoln; "Pæonies," C. L. Harrison, of York; "Care of House Plants," L. Henderson, of Omaha; "Propagation of the Plum," G. A. Marshall, Arlington. The following officers were elected: G. A. Marshall, Arlington, president; J. H. Hadkinson, Omaha, first vice-president; W. J. Hesser, Plattsmouth, second vice-president; C. H. Barnard, Table Rock, secretary; Peter Youngers, Geneva, treasurer; L. M. Russell, of Wymore; G. S. Christy, of Johnson; Louis Henderson, of Omaha, Board of Directors.

Eastern New York Horticultural Society.—The program has been issued for the fourth annual meeting of this society, which will be held at the American Institute, Berkeley Lyceum Building, 19-21 West 44th street, New York, February 7 and 8. Among the papers to be read and discussed are the following:

"Fruit Diseases in the Hudson Valley in 1899," F. C. Stewart, State Experiment Station, Geneva; "Legislation on Fruit Packages and its Results," W. D. Barnes, Middlehope; "Historical Sketch of the Dissemination of Improved Fruits in Eastern New York," by the president; "New Varieties of Fruit not yet Generally Introduced," Prof. S. A. Beach, State Experiment Station, Geneva; "Domestic and Foreign Markets for American Fruits," Geo. T. Powell, Ghent; "New Injurious Insects and Remedies," Prof. M. V. Slingerland, Cornell University, Ithaca; "Irrigation," Walter F. Taber, Poughkeepsie; "Cold Storage; Its Advantages and Disadvantages," A. W. Williams, Highand; "Fruits and Vegetables Under Glass"—fruits, Wm. Turner, gardener to W. Rockefeller, Tarrytown; vegetables, C. E. Hunn, gardener at Cornell University. The officers of the society are: President, James Wood, Mt. Kisco; vice-president, Walter F. Taber, Poughkeepsie; secretary-treasurer, Edwin C. Powell, Ghent, N. Y.

CLEMATIS

Small snug plants, to pot for Spring sales, from best varieties, per doz., $1.00; per 100, $8.00. Free by mail or express.

F. A. BALLER, Bloomington, Ill.

Mention the Florists' Exchange when writing.

YOU MAY WANT

1009 LORILLARD TOMATO PLANTS, 2½ in., fine, $2.00 per 100 straight.
500 extra fine, 3½ in., ASPARAGUS SPRENGERI, 12 in., bushy, fine color, 8c. straight.
GOLDEN GLOW, divided clumps, 4c.
TRITOMIA UVARIA, 4c. Cash, please.

BENJ. CONNELL, Florist, West Grove, Pa.

Mention the Florists' Exchange when writing.

EDWARD B. JACKSON,
WHOLESALE FLORIST

Hardy Herbaceous Plants Only

In any quantity, for the least money.

STAMFORD, CONN.

Mention the Florists' Exchange when writing.

CAPE JESSAMINE!
(GARDENIA FLORIDA.)

Strong plants, 6 to 8 in., $3.00 per 100; $25.00 per 1000; 3 to 6 in., $2.00 per 100; $15.00 per 1000.

CALIFORNIA PRIVET Cuttings, 10 to 12 in., cut from young wood, every cutting sure to grow, $1.00 per 100.

MARIANA PLUM Cuttings, 10 to 12 in., $7.00 a 1000.

JOHN MONKHOUSE, CADDO NURSERIES, JEWELLA, LA.

Mention the Florists' Exchange when writing.

GOLDEN GLOW

(RUDBECKIA)

Strong, field-grown, 50c. per doz.; $3.00 per 100.
Well rooted layers, 25c. per doz., $2.00 per 100.
Short rooted layers, 10c. per doz; 75c. per 100.

Cash, or Exchange for

Hardy Herbaceous Plants, Hardy Roses, Shrubs, etc.

Elm City Nursery Co., New Haven, Conn.

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS,	AZALEAS,
SPIRÆA JAPONICA,	LILIUM SPECIOSUM
PÆONIES,	BLEEDING HEART
POT GROWN LILACS,	HYDRANGEA IN SORTS.

CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing.

EASTER AND SPRING, 1900 Orders Filled and Booked Now for the Fall. . . . .

RHODODENDRONS $35.00 to $65.00 per 100.
LILACS in all varieties, for forcing, $15.00 per 100.
H. P. ROSES all true to name, $75.00 per 1000; $10.00 per 100.
CRIMSON RAMBLERS extra, $20.00 per 100.
AZALEA Mollis, from $25.00 to $35.00 per 100. Pontica, from $35.00 to $45.00 per 100.
PAEONIAS in variety, from $10.00 to $15.00 per 100.

GLADIOLUS, The Bride $5.00 to $7.00 per 1000.
All colors, mixed, No. 1, $9.00 per 1000.
All colors, mixed, No. 2, $7.50 per 1000.
Light and white, $14.00 per 1000.
TUBEROSES, The Pearl 4x6, $6.50 per 1000.
GLOXINIAS ERECTA Extra, $40.00 per 1000.
TUBEROUS ROOTED BEGONIAS—
Single, separate varieties, $25.00 per 1000.
Double, separate varieties, $40.00 per 1000.

All varieties of LILIES on hand.

CYCAS REVOLUTA The true long leaf variety, will arrive in April. Write for special prices to

F. W. O. SCHMITZ, Jersey City, N. J.

Mention the Florists' Exchange when writing

RHODODENDRONS

IN BEST FORCING SORTS.

10 to 12 buds	per doz.,	$6.00; per 100,	$45.00
12 to 18 "	"	9.00; "	65.00
18 to 25 "	"	12.00; "	90.00

Extra large specimen plants, $2.50 to $5.00 each.

AZALEA MOLLIS

30 to 40 buds, $4.50 per doz., $35.00 per 100.

Tuberoses Double Pearl, 4 to 6 inch bulbs, $1 per 100; $7 per 1000.
Dahlias, Dormant Roots, Double mixed varieties, tall and dwarf, $5.00 per 100; $40.00 per 1000.
Paeonia Sinensis, Mixed..... $10.00 per 100. White..... 15.00 per 100.
Caladium Esculentum—
Mammoth Bulbs..... $10.00 per 100.
Extra selected..... 7.50 "
Extra..... 5.50 "
Ordinary..... 3.50 "
Japan Ball Ferns, $4.00 per doz.; $30.00 per 100.
Tigridas, 4 varieties, $3.00 per 100.
Azalea Ghent, varieties, $5.00 per doz., $40.00 per 100.
Crimson Rambler, in bush form, per doz., $3.00; per 100, $20.00.
Yellow, Pink, White Rambler, same price.
Crimson Rambler, in standard or tree form, extra heavy, per doz., $4.50; per 100, $35.00.
H. P. Roses, in variety, $10.00 per 100.
Paeonia Officinalis, Rubra Plena.. $10.00 per 100.

Spiraea Japonica..... $3.50 per 100
" Aures Reticulata, 10.00 "
" Astilboides Floribunda.. 5.00 "
" Palmata, crimson..... 8.00 "
Gloxinia, Named varieties, as follows: Mont Blanc, pure white; Defiance, scarlet; Progress, red white bordered; Patrie, violet, white bordered; also a limited quantity of Kaiser Frederich and Kaiser Wilhelm, the best varieties out, $4.00 per 100.
Lily of the Valley, Berlin Pips, XX, $10 per 1000. Hamburger Pips, $9 "
Gladiolus May, ... $2.00 per 100

Gladiolus, Light and White varieties—	100	1000
Selected Bulbs	$1.50	$12.50
Lemoine's Hybrids	2.00	15.00
Good Mixed	1.00	8.00
Begonia, Tuberous Rooted, single	2.00	17.00
" double	5.00	45.00

Separate colors, both double and single, white, pink, scarlet, yellow and orange.

Gloxinia Fine Mixture, $2.75 per 100; $25.00 per 1000.
Canna Dormant Bulbs, All popular varieties, our selection, $2 a 100; $15.00 per 1000. Write for list of names.

BOBBINK & ATKINS, RUTHERFORD, N. J.

Nurseries and Cellars at Carlton Hill, N. J.

Mention the Florists' Exchange when writing

AZALEAS FOR EASTER

ALTHOUGH our stock of Azaleas this season is larger than ever, we strongly recommend early orders. Many of our customers were disappointed last year in not being able to procure stock several weeks before Easter, and we have taken more than ordinary precautions to prevent a repetition of this the coming season, but all indications are that the demand this year will be greater than ever; besides this the plants can be transported with so much greater satisfaction while they are still in a semi-dormant condition, that this point alone should be sufficient to induce early orders, for no matter how carefully packed the plants are certain to receive some check when turned out of pots after the buds have developed, and we assume no responsibility for injuries arising from late shipments.

We can still supply full assortments in the following sizes:

	Inch Diameter.	Per Doz.	Per 100
5 inch pots, nice bushy crowns	10 to 12	$5.00	$40.00
5 and 6 inch pots, nice bushy crowns	12 to 14	6.00	50.00
6 and 7 inch pots, nice bushy crowns	13 to 15	9.00	70.00
7 inch pots, nice bushy crowns	15 to 17	12.00	100.00

ALSO A GRAND LOT OF SPECIMEN PLANTS OF

MME. VAN DER CRUYSEN of exceptional good value, at $1.50, $2, $2.50, $3 and $5 each.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.



CHINESE AZALEA.

Mention paper.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

GERMAN florist wishes situation. L. Geh, 1030 Willoughby ave., Brooklyn.

SITUATION wanted by a German, all-around florist, with 13 years' experience. Address Wm. Finck, 17 Cambridge street, Boston, Mass.

YOUNG man seeks permanent position in a greenhouse or garden; can give best of references. H. N., 6 Whaley street, Danbury, Conn.

SITUATION wanted by a good grower of general florist's line, 17 years' experience; married. North, 9 Summer street, Plymouth, Mass.

YOUNG man, 24, wishes situation for general greenhouse work where he can advance. Henry Bauer, 385 East 10th street, New York

QUICK young man, 20, 4 years' experience in greenhouse, desires position in store to learn decorating and designing, Box 471, Lakewood, N. J.

GARDENER and florist, experienced all-round man, wants a position on a private or a commercial place; good references. K. L., care Florists' Exchange.

POSITION wanted as working foreman, married, private or commercial; competent all-around florist; reference. W. P. Herbst, Haledon ave., Paterson, N. J.

SITUATION wanted, beauty, meteor, bride and maid carnation, violet, 'mums, and general stock grower; A1 designer; 15 years' experience; best reference; single. L. H., care Florists' Exchange.

YOUNG married man, all-round grower, propagator, maker-up and salesman, strictly temperate, desires position at once; thoroughly experienced; good references if required. L. B., care Florists' Exchange.

GERMAN, 31, single, strictly temperate, 17 years' experience, an all-around man well up in cut flowers, general greenhouse stock, good propagator, able to take charge, wants situation. L. G., care Florists' Exchange.

AFTER March 8th, 1900, position wanted as gardener and florist, thoroughly posted on horticulture in the open and under glass, 17 years' experience, age 32; best of European and American references. Address L. D., Florists' Exchange.

SITUATION wanted as working foreman by middle-aged Englishman, first-class rose, carnation, violet and 'mum grower, well up in all branches, including decorating and design work, strictly temperate and reliable. A1 testimonials; please state wages with board. Address K. Y., care Florists' Exchange.

HELP WANTED.

WANTED young man for retail store, one who is capable, experienced and understands all duties; state reference. Address L. J., care Florists' Exchange.

WANTED single man, German preferred, good all-around, with experience in greenhouse, sober and good worker; $20 a month and board. B. F. Muschert, Penn Valley, Pa.

FOREMAN wanted who is capable of growing carnations, bedding plants, etc.; one who can speak German and English preferred; references required. Address W. H., 624 13th st., Brooklyn, N. Y.

WANTED at once as assistant in greenhouse, a young man with one or two years' experience, state wages wanted with board and room; steady place the year round. A. D. Turnbull, 28 Powderly street, Carbondale, Pa.

WANTED assistant, one that understand watering and potting, used to ferns, palms, etc.; must be sober and not afraid to work; steady job; state wages wanted. A. Leuthy, Florist, Roslindale, Boston, Mass.

WANTED, a young man to take charge of a small commercial greenhouse, must be sober, honest, industrious, with good recommendations; no roses grown; write for particulars; wages $25 per month with board. Dr. Geo. W. Little, Glens Falls, N. Y.

WANTED to correspond with thoroughly competent man, able to take charge of first-class florists' store in N. Y. City; must be thoroughly posted in all lines of the business, good maker up and capable of taking charge of decorations; all communications strictly confidential; none but parties with highest references need apply. Address L. F., care Florists' Exchange.

WANT

A first-class rose grower; send reference; $15.00 per week. Glauber & Webb, 929 16th St., Denver, Colo.

WANTED.

A thoroughly competent man acquainted with the seed, plant and bulb business, references required. P. O. Box 168, Providence, R. I.

Mention the Florists' Exchange when writing.

HELP WANTED.

WANTED.

Rose grower to work under foreman. Apply to Thorne & Co., Flushing, L. I.

WANTED.

First-class working foreman to take charge of twenty thousand feet of glass. Must understand the business in all its branches, energetic, sober, and a man who will take interest; state wages expected. Lakeview Flower Store, Lexington, Ky.

MISCELLANEOUS WANTS.

WANTED, 200 plants of Swanley White Violets, state price. Address Florist, 1140 60th St., Brooklyn, N. Y.

WANTED to buy a few thousand Am. Beauty plants, 2½, 3 or 4 inch pots, which have been carried over from last season. Address L. Wild, 687 Bergen Ave., Jersey City, N. J.

WANT to rent, range of glass, 10,000 to 15,000 ft., for growing cut flower and bedding plants, must be in good condition; give full particulars. L. E., care Florists' Exchange.

WANTED. A few more customers for No. 1 Carnations at wholesale; can furnish from two to three hundred twice a week; write for prices. E. B. Beals, Greenfield, Mass.

WANTED.—Second-hand steam or hot water boiler, large enough to heat 6000 sq. ft. glass; six 3 inch gate valves; three top and two side ventilating machines; 2500 lights, 16x24 B, double thick glass. All the above must be in good condition. Address Stafford Floral Co., Stafford Springs, Conn.

WANTED.

Second-hand glass, 2000 sq. ft., 14 in. wide, 10x14 or 12x14.

O. G. S., Box 615, Orange, N. J.

WANTED.

100 or 200 Lilium Harrisi, far enough advanced to come for Easter. Give price, etc. K. T., care Florists' Exchange.

BUSINESS OPPORTUNITIES.

FOR SALE or rent. A five-room dwelling, barn, small patch of ground, and greenhouse, 20x70, partly planted in lettuce and radishes. Florist, Box 761, Muncie, Ind.

CHEAP on account of ill health, 6000 feet glass, tree fuel; big chance for lettuce or flowers; only $800 cash; balance time. K. J., care Florists' Exchange.

FOR SALE. Two and four-fifths acres good soil dwelling house, 6 rooms, 240 hotbed sash, stable, shed, 3 brand new greenhouses, 21x101 ft., 16x24 glass, all locust posts, equipped with Hitchings & Co. improved No. 57 Boiler and Hitchings ventilating apparatus, steam pump and boiler, and all implements and stock; cause for selling, death in family. Has to be seen to be appreciated. Any one who wants to take advantage of a good opportunity address Nicholas Rothar, Central Ave., cor. Moffat St., Brooklyn, N. Y.

FOR SALE.

Well-established small florist, doing good cash business; first-class location; moderate rent. K. K., Florists' Exchange.

FOR SALE CHEAP.

Three Greenhouses, 20x80 feet, all improvements, and residence on property. Good location, near New York. Three minutes from R. R. Station. Rare chance, liberal terms. Address MILLER & CHRIST, New Hyde Park, L. I., New York.

FOR SALE.

Greenhouses that cover over one-half acre, to be moved this coming summer. The glass is nearly all 16x24, double thick, first quality, capable of covering 15,000 Roses, besides several thousand feet good for growing Violets or Carnations. Boiler power can heat one-half as much again; all the pipes and valves that heat them now by steam, ventilators and lifting apparatus; iron columns and iron frames. Most of the sash bars are as good as new. All for $2,500. A stock of young Roses can be got here for one-half price. Owner will give valuable advice and assistance in moving them. This ad. may appear but twice.

Address L., C. care Florists' Exchange.

Mention the Florists' Exchange when writing.

Magnolias—Few flowers are better appreciated by the public generally, than the magnolia. Such a display of large flowers is seldom seen on a tree of any other kind. Coming early, before the leaves, of fine form and strong, sweet odor, they are indeed attractive. To many persons a magnolia is simply a magnolia, varieties or species disregarded. But some consideration of the kinds is quite to be desired. To me the prettiest, Magnolia Soulangeana, popular taste or knowledge usually puts aside. It is intermediate between the purple and the pure white, having a deep suffusion of pink at the base of the petals, shading out to clear white. It is in less of a hurry to blossom in the Spring than the white, M. conspicua, therefore less likely to be frozen in the bud; although if planted on the eastern side of buildings or sheltered from the sun there is less tendency to blossom too soon. M. Soulangeana makes a handsome growth, rapid and strong, with large leaves. In this respect it is quite unlike the purple, which makes numerous slender stems, suckering from the base to form a large clump. The purple color is, of course, a good one, especially in contrast with the white. Magnolia Lennei is a very dark purple, of better form as regards the petals, which have more rounding tips and last longer. The growth is heavier than that of M. purpurea. These three are the better known of the shrubby magnolias; but there is another more rare, yet well appreciated in certain quarters. It is M. stellata or Halleana, a dwarf species, quite distinct in habit, leaf and flower. Four to five feet is the approximate height, though I have seen some old specimens quite 7 feet in height, and very broad. The leaves are rather narrow, not unlike in shape to those of M. glauca. The flowers are earliest of all, yet seldom injured by frost, being better protected by its dwarf habit. The petals are very narrow and numerous—it might be termed a semi-double flower. It is a bush that will be found just suitable for many positions, and very interesting in every way.

S. MENDELSON MEEHAN.

What Constitutes a Species.

Editor Florists' Exchange.

When E. H., with the old of two "eminent" botanists, tries to name a plant from the woods, and the task gives him, as he says, a violent headache, would it not be better to eschew Darwinian literature lest it place him permanently in the predicament of the gentleman he names? Let him, at least, lay Darwin's books on the shelf, taking an occasional peep at the covers, but regarding them only in the light of a future inheritance, until a study of Prof. Gray's "First Lessons" will help to an intelligent appreciation of Darwin's hypotheses.

G. W. O.

A Progressive Sign.

MISTAH MOSE—"I tell you dat Pompey's pergressive! Jes' look at him puttin' all his ground in flowah beds?"

MISTAH SMIFF—"What's pergressive 'bout dat?"

MISTAH MOSE—"Why, he won't hab tuh go aftah chickens now! Dey'll come to him."—Kansas City Independent.

FOR SALE.

A Greenhouse Plant of 36,000 square feet, situated between two flourishing cities of 37,000 and 166,000 population, respectively. Four lines of electric cars pass the door. Houses are equipped with Herendeen Boilers and have every modern appliance, all stocked with roses, carnations, ferns and all plants pertaining to this business. Will be sold at a great sacrifice, as owner has outside business interests and cannot give Greenhouses personal attention. Address J. V., care Florists' Exchange.

MISCELLANEOUS.

FOR SALE, 160 ft. 4-inch cast iron pipe for hot water heating. Samuel J. Buntieg, Elmwood Ave. and 58th St., Philadelphia, Pa.

FOR SALE.—A 15 horse power upright, stationary return 3 inch. due, steam boiler, separate ash pit and patent shaking grate, for steam and hot water; boiler is in first-class condition. Address Geo. Steffinger, Springville, Erie Co., N. Y.

Mention the Florists' Exchange when writing.

BOWLING

New York—There was a large attendance on the alleys Monday evening, it being augmented by a detachment from the committee meetings, the boys believing a game would provide a little relaxation after the earnest work of the evening. Following are the scores rolled in the friendly match engaged in:

WHOLESALERS.

			Match Game.
L. Hafner	191	137	179
P. O'Mera	..	..	150
W. H. Siebrecht	115	125	96
F. L. Atkins	..	..	119
W. A. Manda	..	..	100
J. Moody	149	162	128
N. Butterbach	..	..	120
H. Keitel	..	..	105
C. Weerner	97	75	112
R. Ciucas	..	..	140
Total			1233

RETAILERS.

			Match Game.
F. Traendly	..	..	124
T. Lang	135	154	146
A. S Burce	..	..	135
J. A. Manda	..	..	139
W. Bartholomæ	..	..	127
J. Withers	..	..	110
W. F. Sheridan	..	..	57
J. H Taylor	75	90	74
E. Steffens	..	..	108
J. J. Donlau	139	148	125
Total			1143

Flatbush—At the alleys Thursday evening, Captain Eugene Dailledouze read a communication from the secretary of the New York Florists' Bowling Club relative to entering a bowling tournament in the near future. On motion the captain was instructed to express to the New York Club their willingness to take part, and also to suggest that the first series be played on the Flatbush alleys next Thursday evening. John P. Cleary was proposed for membership and unanimously elected. The following scores were made:

	1	2
D Y. Mellis	182	146
E. Dailledouze	178	132
P. Dailledouze	127	182
C. Weerner	132	99
Papa Zeller	88	127
J. A. Shaw	124	108
L. Schmutz	143	149
A. Zeller	141	136
C. Wocker	107	116
H. Dailledouze	118	129
S. S Butterfield	91	135
A. Hossack	..	79

Chicago—Bowlers versus Cyclers Club. When the Florists' Club entered the South End League they appeared to have butted up against the real thing. With the Woodlawn Club they lost three straight games; now comes the news of their defeat last Friday by the Cyclers' Club. The totals were:

	1	2	3
Cyclers	815	820	782
Florists	755	670	763
			Ess.

St. Louis.—Following are the scores rolled January 22:

	1	2	3	4
C. A. Kuehn	197	163	124	148
J. W. Knuz	127	155	146	180
F. C. Weber	153	132	148	123
E. Schray	104	120	149	174
J. J. Beneke	142	148	114	158
C. C. Sanders	138	142	186	137

The Rhode Island Experiment Station has been experimenting with the forcing of rhubarb. In these experiments plants grown in light developed much more leaf and grew much more slowly than plants grown in darkness, and freezing the roots had a marked beneficial influence on rapidity of growth and total yield of product. The work seems to show that if rhubarb plants are frozen and then planted in mellow earth in a frost-proof cellar a product can be secured in February or March rivaling in texture, color and quality that usually secured from the open field from six weeks to two months later.

Tarrytown, N. Y.—Alex. Hogg, gardener to Henry Villard, Esq., Dobbs Ferry, has had a very severe spell of sickness, but is now convalescing favorably, and is able to be around again.

NOTES BY THE WAY.

ATLANTA, GA.—The C. A. Dahl Co. report an increase in out-of-town shipping, which, with a first-class local demand, makes Mr. Williams, the busy salesman, feel happy. One of the prettiest sets of calendars was sent out this year illustrative of the choice stocks grown here.

At the West View Floral Co. roses and carnations are looking fine. Crane is the best scarlet; Scott and Flora Hill best pink and white respectively. While satisfactory, I shall be surprised if the enterprising grower, Mr. Burford, has not several of the new kinds on the bench next season.

Wachendorff Bros. have no complaint to register, both season and stock have been all they could wish, with bright prospects for an early Spring business.

KNOXVILLE, TENN.—Being very successful with Daybreak, Armazindy, Scott and John Young, C. W. Crouch is wary about trying the new claimants for favor, yet has sufficient confidence to set aside a couple of houses next season for their use. Craae is doing beautifully, and beautiful are the Beauty, of which there are several houses planted, one house standing four years and yielding heavy crops. One hundred dozens of this rose were sold here at retail at Christmas, showing its popularity. An additional house will be devoted to it next season on the solid bed plan. Two houses, each 150x20, glazed with double thick butted glass, was recently added to this extensive establishment.

NASHVILLE, TENN.—Mr. Joy has also some fine carnations—White Cloud, Scott and Triumph, with Mrs. Joost, all firsts, and bringing no more than 75c. per dozen; 60c. being the average. The sale of the Beauty rose keeps up well, and some of the finest stock grown, either in the North or South, may be seen at this place. Mr. Joy, Jr., expects to be at the carnation meeting at Buffalo in February. W. M.

New York.

The Market.

Business in several lines of flowers shows a little improvement over last week and there is also a marked falling off in the quality of many roses that are coming in. Good Bridesmaid are in fair demand, and are being eagerly sought after as compared with Bride of the same caliber. Since Monday Beauty have gone satisfactorily and prices maintained have been somewhat stiffer. Short stemmed Bride and Bridesmaid have not advanced any in value, those classed as No. 2 selling at 2c. and 3c., and of all the roses coming into the market these are the slowest to move.

The situation with regard to carnations has now got to be very similar to that of roses. Fancy grades find a ready sale and at profitable prices, but the medium and poorer grades meet but a slow market. Whatever the colors, if the flowers are not above the average grade, the figure obtainable is very unsatisfactory; still they go at some price or other, though $5 per 1,000 for carnations in January seems pretty cheap, and we saw some sold as low as that.

Violets are coming in heavily and the mild weather we are having enables the street sellers to handle them in vast quantities, which means that a great majority of them are disposed of at the 35c. mark.

Tulips are becoming more plentiful; the yellow ones are bringing the highest values. One week ago red tulips brought the top price, but they now hold second place.

Narcissus Von Sion is in in limited quantities and realizes 6c.; other yellow narcissi are arriving, such as Golden Spur and Campernelle, the latter bringing $1.50 and the former $4 per 100.

Lily of the valley meets with an erratic demand and averages about $2. There are three distinct grades on the market, consequently three prices—$1, $2 and $3 per 100.

Callas seem to be in excess of the demand, and they dropped considerably from last report. Harrisii is plentiful and a lot of them are only of medium quality. Orchids are not meeting with a very brisk demand and no change in values is noted.

White lilac is taking favorably this week, and the best brings $2 a bunch; shorter stock can be had as low as 75c. a bunch.

Smilax continues a drug, but maidenhair fern is going steadily at $1 per 100.

Jottings.

The sporting committee of the New York Florists' Club will meet at Traendly & Schenck's store at 5:30 p. m., Monday, January 29.

Visitors this week were: Wm. P. Craig and H. C. Geiger, Philadelphia, Pa.; J. L. Banner, Montezuma, N. C., and H. Weber, Oakland, Md.

The American Institute will hold an exhibition of flowers, fruits and vegetables, in the Berkeley Lyceum Building, 19-21 West 44th street, on February 7 and 8 next. The schedule includes prizes for flowering plants, orchid plants in bloom, cut roses, carnations and violets; also medals for new roses and carnations. Copies may be obtained from Dr. F. M. Hexamer, 52 Lafayette Place, to whom notice of intention to exhibit should be given as early as possible.

The various committees of the Florist's Club, established to further S. A. F. matters, met in full force Monday evening last. Each committee went to work with a vim, on the subject assigned to it, all bending their energies toward a successful culmination, which is assured. President O'Mara rendered able assistance in the way of suggestions and advice.

Philadelphia.

Trade Improves.

There has been an improvement this week in the cut flower business; that is, the conditions have been better than for the past fortnight, yet sales are not as they should be at this season of the year. Over-production can only be the cause, as all the stores have been doing good business—balls and large entertainments having been numerous. We have also had several large weddings; in fact, enough functions have been going on to clean up the flower market in ordinary times. Hugh Graham has had a very busy week—three large ball decorations, several small ones, two large weddings and several dinners have kept his force working steady night and day.

Pennsylvania Horticultural Society.

The meeting of the Pennsylvania Horticultural Society, on Tuesday last, was well attended; the exhibits were very good. Alphonse Pericat, gardener to Mrs. Geo. B. Wilson, was awarded a silver medal for a well bloomed plant of Lælia anceps Gouldiana, and a certificate of merit for Cattleya Louis Charton. The same exhibitor also had a fine plant of Lælia anceps stellata. M. Punch, gardener to R. Le Boutillier, Esq., staged two interesting seedling cypripediums. C. W. Cox exhibited a new form of cyclamen, the plant being of very compact growth, heavily flowered and many of the blooms being feathered.

John Kuhn was awarded a certificate of merit for his new carnation, Mrs. Bertram Lippincott—a perfect flower of the Daybreak type. Francis Canning, gardener to Mrs. Chas. F. Berwind, exhibited a well grown plant of Begonia incarnata. Adolphus Bingham, Camden, N. J., gave an interesting address on "How to Produce a Crop of Lettuce in December and January." He explained his system of constructing houses and exhibited drawings thereof. He prefers a three-quarter span house running east and west, south span of sash that can be lifted off; back of house of boards covered with roofing paper, sections of this to be hinged for ventilation; beds to be solid, with hot water pipes, flow and return, in each bed 18 to 24 inches below surface. No other heating in such a house. He has successfully headed crops of Boston Forcing Lettuce and California Forcing Lettuce in December and January.

A party of florists from Baltimore paid us a visit on Wednesday. It came as a surprise to most of us.

A bowling match had been predicted, but the limited time only allowed an informal game.

The "Ladies' Night" on Wednesday evening was a grand success, the attendance being beyond expectations. The entertainment opened at 8 p. m., with a concert lasting 40 minutes; then came refreshments, and after that the games. All had a real good time, and hope for more such evenings. DAVID RUST.

Firms Who Are Building.

WEST WARREN, ME.—Starret Bros. are building a large greenhouse.

HARFORD, PA.—J. W. Bolles is building a greenhouse.

BORDER CITY, N. Y.—The Union Street Greenhouse Co., Geneva, N. Y., erected two carnation houses on their new place here last Summer. One house 18x150, the other 10x100 feet.

NASHUA, N. H.—August Gaedeke & Co. have purchased an additional tract of land and will erect thereon a store, office and salesroom; also one greenhouse, 100x25 for palms, and another, 100x15 for violets.

NEW ALBANY, KY.—Mrs. Charles W. DeHauw is arranging to build several large greenhouses here for rose culture.

Literary Notes.

"The First Stage of the Boer War" (the first of the articles on the war to appear in Scribner's Magazine) will be published in the February number. It is by H. J. Whigham, who made his reputation as a correspondent in the recent war with Spain (before which he was well-known as the golf champion of America). Mr. Whigham is following the column which is marching to the relief of Kimberley. His photographs along the route are very interesting, and will add much to his graphic narrative of the campaign.

Barrie's "Tommy and Grizel," recently begun in January Scribner's, is being widely praised.

SAYVILLE, L. I.—The greenhouse of Seymour Barr, at Oakdale, was burned January 18. It was well stocked and the loss is considerable.

CHICAGO CARNATION CO.,

The Great and Only Carnation Specialists

CUTTINGS NOW READY.

	Doz.	100	1000	Blooms.
Genevieve Lord, the peer of any light pink carnation ever offered	$2.00	$10.00	$75 00	5c. each.
Chicago, scarlet Bradt	1.50	7.50	60.00	5c. "
Mrs. Lawson, cerise pink	3.00	14.00	120.00	
Olympia, variegated	2.00	12.00	100.00	
Ethel Crocker, pink	1.50	10.00	75.00	

	100	1000	Blooms
Mrs. Frances Joost, pink	$2.50	$20.00	3c. each
Mrs. James Dean, pink.	2.50	20.00	5c. "
John Young, white	2 50	20.00	4c. "
White Cloud, white	4.00	30.00	5c. "
Mrs. Bradt, variegated.	5.00	40.00	4c. & 5c.
Gen. Maceo, crimson	6.00	50.00	5c. each
Gen. Gomez, crimson	6.00	50.00	5c. "
G. H. Crane, scarlet	6.00	50.00	5c. "
Gold Nugget, yellow	2 50	20.00	5c. "

	100	1000	Blooms
Argyle, carmine	$2.50	$20.00	4c. "
Jubilee, scarlet	2 00	15.00	4c. each
Armazindy, variegated.	2.00	15.00	2c. "
Evelina, white	2.00	15.00	2c. "
New York deep pink	2.00	15.00	2c. "
Wm. Scott, pink	2.00	15.00	2c. "
Victor, pink	2.00	15.00	2c. "
Daybreak, light pink	2.00	15.00	2c. "
Flora Hill, white	2 00	15.00	4c. "

CHICAGO CARNATION CO., Greenhouses and Address, JOLIET, ILL.

Mention the Florists' Exchange when writing.

MRS. FISHER

CARNATION.

The best White for summer blooming. Rooted Cuttings, 75c. per 100; $6.00 per 1000.

S. H. NORTH, Arlington, R. I.

Mention the Florists' Exchange when writing.

Chrysanthemums. R. C. Yellow Queen, H. Bloodgood, J. Jones, White Ivory, Golden Wedding, Mrs. Robinson, Maj. Bonnaffon, Geo. Kalb, Merry Monarch, Lager, $1.00 per 100.
Vinca Var., 2 in. pots, $2.00 per 100.
Hydrangea Otaksa, 2½ in., $3.00 per 100.
Rex Begonia, R. C., mixed, $1.50 per 100.
Ageratum, dwarf or tall, 2 in. pots, $2.00 per 100. Cash.

I. H. DANN & SON, Florists, Westfield, N. Y.

Mention the Florists' Exchange when writing.

Dwarf Cinerarias. Dreer's Strain, in bud, showing color, extra fine plants, from 4 in. pots, $5.00 per 100; 5 in. pots, $7.00 per 100.
500 Vulcan Begonia, from seed, from 2½ in. pots, ready for 3 in. pots, at $2.00 per 100.
Coleus, rooted cuttings, 60c. per 100; $5.00 per 1000.
Alternanthera, red and yellow, 50c per 100; $4.00 per 1000.

☞Low Express rates. Satisfaction guaranteed.

J. S. BLOOM, - - Riegelsville, Pa.

Mention the Florists' Exchange when writing.

POLYSTICHUM WOLLASTONI LACE FERN

The finest CUT FERN to-day, also best keeper. For fernerias, etc., will stay good in dry air. Size No. 1, $4.00; size 3, $8.00 per 100. Sample box, containing 12 plants, in 2 sizes, $1.00.

Asparagus Sprengeri SEED. Own crop, Fall, 1899. 100 seeds, $1.00; 1000 seeds, $6 00. Cash with order, please.

ALBERT KNAPPER, Frankford, Phila., Pa.
CLEMATIST.

Mention the Florists' Exchange when writing.

ONLY A FEW WEEKS MORE

TILL PLANTING SEASON. **ORDER NOW**

Hardy Low-Budded Roses

(For list of Varieties, see FLORISTS' EXCHANGE Jan. 13.)

Tree Roses, Hardy Azaleas, Rhododendrons, Clematis, Hydrangeas, etc., etc.

BULBS AND ROOTS FOR SPRING PLANTING.

Begonias, Caladiums, Cannas, Dahlias, Gladiolus, Maderia Vines, Paeonies (Imported), Lilium Auratum, Specíosum Rubrum, and Album, Tuberoses (Seconds, Firsts, and Monster Sizes).

Just received

FRESH ENGLISH "EXCELSIOR BRAND" MUSHROOM SPAWN,

35,000 FRESH PALM SEEDS, Kentia Belmoreana.

Price per case of 3500, $14.00.

SPIRAEA COMPACTA, ASTILBOIDES, and PALMATA ROSEA, COLD STORAGE LILY OF THE VALLEY, BEST BERLIN PIPS.

DO NOT DELAY sending in your orders AT ONCE, in time for Spring Importation.

For Prices, Address **C. H. JOOSTEN,** Importer, 85 Dey Street, New York.

Mention the Florists' Exchange when writing.

100,000 WELL ROOTED Carnation Cuttings.

Strictly first-class stock, from our own greenhouses.
Wm. Scott, Edith Foster, Daybreak, Freedom, McGowan, Wellesley, Robin Hood, Zampa, Niven, Alba Superba, $1.00 per 100.
Mrs. Frances Joost.....$2.50 per 100.
Flora Hill.....$1.50 per 100.
Special prices on large lots, or on orders booked now for future delivery from sand or soil

N. F. McCARTHY & CO., 84 Hawley Street, Boston, Mass

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS.

We are booking orders for Lawson, Olympia, Marquis, Ethel Crocker and Genevieve Lord at introducers prices. List of standard varieties ready now. Send at once for an estimate on your order.

WM. MURPHY,
Ste. F., Cincinnati, Ohio.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS

Strong, healthy, well rooted cuttings, from sand or soil, for immediate or future delivery.

F. Joost, Genesee, Bon Ton, $2.00 per 100; $15.00 per 1000.
Freedom, Victor, Express, Daybreak, $1.25 per 100; $10.00 per 1000. Cash with order.

C. F. FAIRFIELD, Mgr., Springfield, Mass.

Mention the Florists' Exchange when writing.

ROOTED CARNATIONS CUTTINGS

WHITE CLOUD and FRANCES JOOST, $2.25 per 100; $20.00 per 1000.
DAYBREAK, SCOTT, (Fine Healthy Stock, $1.25 per 100; $10.00 per 1000.

H. WESTON & BRO., Hempstead, L. I., N.Y.

Mention the Florists' Exchange when writing.

ELM CITY

A Grand New White **Carnation.**

Seedling of LIZZIE McGOWAN and MME. DIAZ ALBERTINI; in its fifth year.

The Flowers are large, finely shaped and of strong fragrance.
Petals are heavy, of good substance, and nicely fringed.
Calyx is very strong, after the style of Albertini, and non-bursting.
The Stem is strong, holding the flowers erect.
The Plant is a good grower and free bloomer, not subject to stem rot or any disease.

Rooted Cuttings, Ready Feb. 1, at
$1.50 per Dozen, $10.00 per 100, $70.00 per 1000. Cash with order.

We shall prepay the express charges where money accompanies the order. Orders filled in rotation.

M. E. KRAUS, New Haven, Conn.
320 Davenport Avenue.

Mention the Florists' Exchange when writing.

20,000 Carnation Cuttings
Of WILLIAM SCOTT,

Must be sold this week. $6.00 per 1000 or $20 for 4000.

	Per 100	Per 1000
White Cloud, Mrs. Joost	$2 50	$20 00
Mrs. Bradt and Melba	4 00	30 00
Victor, Daybreak	1 25	10 00
Pingree	1 00	7 00

Cash with order.

CARL E. TAUBE, Trenton, N. J.
MERCER FLORAL CO.

BASSETT & WASHBURN,

76 and 78 Wabash Ave., CHICAGO, ILL.

ROOTED CUTTINGS, ROSES AND CARNATIONS.

Get new blood in your Roses and secure what you want from grafted stock. Our cuttings this year are made from grafted plants and none but the best wood will be used.

BRIDES, Per 100, $1.50. BRIDESMAIDS, Per 100, $1.50. METEORS, Per 100, $1.50

CARNATIONS.

WHITE	Per 100	Per 1000
Flora Hill	$1.50	$10.00
Mary Wood	2.50	20.00
White Cloud	2.50	20.00
PINK		
Triumph	$2.50	$20.00
Frances Joost	2.50	20.00
Daybreak	1.50	10.00
DEEP PINK		
Leslie Paul	$5.00	$45.00
Ceriae Queen	2.50	20.00
Painted Lady	2.50	20.00
YELLOW. Gold Nugget	$2.50	$20.00

STRIPED WHITE and RED	Per 100	Per 1000
Mrs. Bradt	$5.00	$40.00
Psyche	1.50	10.00
Armazindy	1.50	10.00
RED		
Red Mrs. Bradt	$10.00	$75.00
Jubilee	2.00	15.00
America	5.00	45.00
G. H. Crane	5.00	45.00
MAROON. Empress	$2.50	$20.00

BASSETT & WASHBURN, 76 and 78 Wabash Ave., CHICAGO

Mention the Florists' Exchange when writing.

CARNATIONS

Large Stock of Strong Rooted Cuttings Now Ready.

G. H. CRANE, MORNING GLORY, MACEO, GLACIER, GOMEZ, AMERICA, RED MRS. BRADT (or Chicago), MARY WOOD and other good standard sorts.

MRS. GEO. M. BRADT for March delivery all the early stock sold.

FIVE 1900 NOVELTIES.

MRS. THOS. LAWSON, ETHEL CROCKER, THE MARQUIS, OLYMPIA and GENEVIEVE LORD. At introductory prices.

We make a Specialty of Rooted Cuttings, and have three houses of stock growing for that purpose only.

Send for Descriptive Price List.

F. DORNER & SONS CO.,

LAFAYETTE, IND.

Mention the Florists' Exchange when writing.

Chicago.

State of Trade.

The most notable feature of the trade this week is the remarkable shortage in the rose cut; this has kept prices well up, anything in the way of a rose selling at sight. Fourteen days of cloudy, rainy, foggy weather no doubt have had much to do with this state of things. If the truth were known there is hardly any doubt but the cut is from 15 to 25 per cent. smaller than last year's. First-class shipping stock has been exceedingly hard to get in anything like the quantities wanted.

While carnations are in better supply the rose shortage has helped them, so that at present prices are stiffer. Bulbous stock is in fair demand. Violets are going at from 30c. to $1.50 for the very prime. Sweet peas are beginning to show up, but hardly enough to afford quotations.

New Buildings.

Peter Reinberg will build 12 new houses, each 25x265 feet, on a plot of land away from his present location. These houses will be devoted to Beauty and Meteor roses. He will use the Garland gutter.

Wietor Bros. will also use 7,000 feet of this new gutter, and design a new departure by having two iron posts to support the same, with the walk under the gutter, thereby obtaining 5-foot in place of 4-foot benches, with one more row of roses to a bench, thus obtaining the extra room of a full house for every 100 feet covered.

Jottings.

Fred. Hills, of Maywood, left for New York Saturday last, for a six weeks' trip to his old home in the Isle of Wight.

The wife of Arthur Smith, assistant to Mr. Stromback, at the Lincoln Park Greenhouses, died on Saturday last. He has the profound sympathy of the craft. He was married less than a year ago.

The Lawson carnation cuttings are beginning to arrive, and those we have seen are certainly grand stock.

Ess.

Hartford, Conn.

A large amount of funeral work has been done the past week, which has used up a quantity of flowers. Stock is not over-plentiful. Some very fine Bridesmaid and Bride are received, but not enough to supply the demand. Carnations, all colors, are a trifle more plentiful than they have been, and good in quality. Violets, which have been very scarce all Winter, are now being received in larger quantities, but the blossoms in most cases are small and the stems short. The supply is about equal to the demand. Romans and Paper Whites are plentiful. A few daffodils are to be had, but not in very large numbers as yet.

Azalea plants are seen in most of the florists' windows and find a ready sale at $1.50 and $2 each; primrose plants and cyclamen also sell well.

John Coombs has been confined to his house for a few days, but is expected around again in a day or two.

Visitors the past week were: Mr. Rolker, of New York; Paul Berkowitz, of H. Bayersdorfer & Co.; W. Mott, of Henry A. Dreer; Mr. Greenlaw, of N. F. McCarthy & Co.; Mr. Skedelskey, of M. Rice & Co., and Mr. Thomson, of Thomson Bros., East Haddam. J. F. C.

Rooted Cuttings of New and Standard

CARNATIONS.

SEND FOR PRICE LIST.

WM. SWAYNE, Kennett Square, Penn.

Mention the Florists' Exchange when writing

CARNATIONS

Rooted cuttings now ready of the following kinds: FLORA HILL, $1.25 per 100. WHITE CLOUD, $2.50 per 100. JOHN YOUNG, $2.00 per 100. TRIUMPH, $2.00 per 100. DAYBREAK, $1.25 per 100. JUBILEE, $2.00 per 100. ELDORADO, $2.00 per 100. EVELINA, WM. SCOTT, LIZZIE McGOWAN, and NIVEA, each, $1.00 per 100.

S. LITTLEFIELD, North Abington, Mass.

Mention the Florists' Exchange when writing.

Cincinnati.

Trade Notes.

Business with the commission houses has improved very materially during the past ten days, but most of this trade done is in the shipping line. City business has not opened up as yet, and the stores are not so busy as they should be at this time of year. Stock of all kinds seems moderately plentiful, although at times it takes some skirmishing to fill orders. We could use more roses. Carnations are equal to the demand. Bulbous stock is shortening and prices are a little better.

Carnation Obtains a Century of Points.

We were somewhat surprised, yet pleased to see that a Cincinnati production, Richard Witterstaetter's carnation Enquirer, had scored 100 points. I say surprised, not because the variety was produced in Cincinnati (for I think the Queen City stands head and shoulders above any other in the universe), but that any committee of judges would award 100 points, which would seem perfection itself. I will admit that Enquirer is a grand sort, but I will not admit, neither will Mr. Witterstaetter (with all due respect to the Chicago judges) that it is worth 100 points. The only other flower that I call to mind now, scoring the phenomenal 100 points, was Mme. Felix Perrin chrysanthemum, and how many growers throughout the world to-day will say that this variety is worth anything like such a mark!

Carnation Society Matters.

As the time draws near for the Carnation Society's annual meeting in Buffalo, one hears a little buzzing; but I think five will be about the number in attendance from this city. It seems to me that the society should have by this time 100 members, who would buy railroad tickets to attend the convention; in that case a rate of one fare and one-third could be procured by the secretary, and it would certainly beat paying full fare all to pieces. Suppose you canvass this a little at Buffalo, and see if something of the kind cannot be accomplished! Next year Indianapolis sends a bid for the gathering, and I am sure more than a hundred will attend the meeting.

E. G. GILLETT.

Oceanic, N. J.

At the semi-monthly meeting of the Monmouth County Horticultural Society, Prof. Byron D. Halsted delivered his lecture on "Parasitic Fungi Under Glass, and Rusts." Although the weather was stormy, 94 members were in attendance. The Professor stated that carnation rust was an old pest in Europe, and doubtless came to us on imported stock about 1889. Within the last ten years it had spread throughout the country. He showed by illustrations how rust can be quickly distinguished by the plump gray blisters produced upon the leaves and stems, also how it spreads after the epidermis is broken, the brown rusty spores escaping in great numbers; how the fungous sends its slender threads in all directions through the leaf or stem of the plant. The fungous diseases on violets and their remedies were very well ventilated. Mildew on roses was discussed and shown, by illustrations, as a surface feeder which does not send its filaments deeply into and between the cells of the leaf. Rust on chrysanthemums was also illustrated, and I am sure that everyone present will know this pest hereafter as soon as he sees it.

A very lively discussion followed, which was taken part in by Dr. W. Whitmore, Rev. Dr. Kneip, Prof. Walling, Messrs. Frank McMahon, A. Stewart, Philadelphia; H. H. Kettel, N. Butterbach and others.

One new member was elected. After the lecture refreshments were served, followed by a wholesale smoker.

The report of committee of the society on carnation seedling No. 11, grown by N. Butterbach, gardener to Hon. C. N. Bliss, was as follows: Color a beautiful deep yellow, lightly blotched and penciled with a red orange shading to white. The flowers are full and double, measuring from 2½ to 3 inches, with large, broad petals, the upper part twisted, which gives the flower a very heavy appearance. The plants are vigorous and bloom continuously; much the habit of Maceo, with good strong stems, measuring from 16 to 20 inches, and a good calyx. This we consider to be the grandest of all yellow carnations for Winter blooming, and a valuable addition.

B.

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000
Mrs. Lawson	$14 00	$120 00
G. H. Crane	5 00	
America	5 00	40 00
Mrs. Bradt	4 00	
White Cloud	2 50	20 00
Frances Joost	2 50	20 00
Triumph	2 50	20 00
Evanston	2 50	20 00
Jubilee	2 00	15 00
Gold Nugget	2 00	15 00
Mrs. McBurney	2 00	15 00
Flora Hill	$1 25	$10 00
Daybreak	1 25	10 00
Argyle	1 25	10 00
Armaziudy	1 25	10 00
Lizzie McGowan	1 00	7 50
Evelena	1 00	7 50
Mayor Pingree	1 00	7 50
Painted Lady	1 00	7 50
W. Scott	1 00	7 50
Tidal Wave	1 00	7 50
Morella	1 00	7 50

ROSES.

	Per 100	Per 1000
American Beauty	$3 00	$25 00
La France	2 00	17 50
Perle	1 50	12 50
Meteor	$1 50	$12 5
Bride	1 50	12 5
Bridesmaid	1 50	12 5

Stock to be first class and to be sold under the conditions that they shall be returned immediately if not satisfactory. Address

GEORGE REINBERG,

Mention this paper. 51 Wabash Avenue, CHICAGO, ILL.

ROOTED CARNATION CUTTINGS

	Per 100	Per 1000
ETHEL CROCKER, per 25, $2.50; per 250, $ 8.75	$10 00	$75 00
OLYMPIA	12 00	100 00
MARQUIS	10 00	75 00
LAWSON	14 00	120 00
GENEVIEVE LORD	10 00	75 00
AMERICA	5 00	40 00
CRANE	6 00	50 00
JUBILEE	2 00	15 00
WHITE CLOUD	3 50	30 00
FLORA HILL	1 50	10 00
JOHN YOUNG	$2 00	$15 00
McGOWAN		10 00
ARGYLE	2 00	15 00
JOOST	2 50	20 00
DAYBREAK	1 50	10 00
VICTOR	1 50	12 50
SCOTT		10 00
BRADT	5 00	40 00
ARMAZINDY	1 50	10 00
NIVEA		

GRAFTED ROSES.

$7.00 per 100; $60.00 per 1000. 200 at 1000 rate.

New Yellow Fitzwygram "Mum."

$10.00 per 100; $90.00 per 1000.

SPECIAL PRICES ON 10,000 AND UPWARD. PRICE LIST NOW READY.

H. F. LITTLEFIELD, Worcester, Mass

Mention the Florists' Exchange when writing

2000 SCOTT Strong, well-rooted plants, now ready. At $5.00 per 1000; $9.00 for 2000.

CASH WITH ORDER.

CHAS. BLACK, Hightstown, N. J,

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

OF CARNATIONS.

Both new and old varieties at lowest prices for good stock. Special rates on orders booked for future delivery. Satisfaction or money refunded. Send for price list.

GEO. A. RACKHAM, 880 Van Dyke Avenue, DETROIT, MICH.

Mention the Florists' Exchange when writing.

CARNATIONS

STRONG PLANTS FOR SUMMER BLOOMING.

Flora Hill, $1.25 per 100; $12.00 per 1000.
Daybreak, $1.00 per 100; $9.00 per 1000.
Wm. Scott, $1.00 per 100; $8.00 per 1000.
Fisher, 90 cts. per 100; $7.00 per 1000.
F. Mangold, $1.00 per 100; $8.00 per 1000.

J. W. HOWARD, Russell St., WOBURN, MASS.

Mention the Florists' Exchange when writing

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing

Carnation Cuttings.

	Per 100	Per 1000
MRS. LAWSON	$14.00	$120.00
G. H. CRANE	5.00	
AMERICA	5.00	40.00
MELBA	4.00	30.00
LESLIE PAUL	4.00	30.00
GOV. GRIGGS	4.00	30 00
MRS. BRADT	4.00	35.00
FRANCES JOOST	2.50	20.00
EVANSTON	2.50	20.00
JUBILEE	2.50	20.00
VICTOR	2.50	20.00
WHITE CLOUD	2.50	20,00
FLORA HILL	2.00	15.00
GOLD NUGGET	2.00	15.00
TRIUMPH	2.00	15.00
DAYBREAK	1.25	10.00
ARGYLE	1.25	10,00
ARMAZINDY	1.25	10.00
LIZZIE McGOWAN	1.00	7.50
EVELINA	1.00	7.50
MAYOR PINGREE	1.00	7.50
WM. SCOTT	1.00	7.50
NIVEA	1.00	7.50
MORELLO	1.00	7.50

All plants and cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded. Write for prices on larger lots.

PETER REINBERG, 51 Wabash Ave., Chicago.

Mention the Florists' Exchange when writing.

Ethel Crocker

Absolutely the best Pink CARNATION ever offered the Trade. . . . . .

A fact fully borne out by its record, being equally good with Craig, Hill, and myself. (An assurance that it is not a success in one soil and a failure in another.) By its having been shown at the Flower Shows and Clubs since early in September. (An assurance that it is not a good late carnation, but an all season variety.)

In color, size, fragrance and stem it is just what the "storemen" want.

In habit, constitution and freedom of bloom, it is just what the grower wants. It produces more flowers to the square foot than any other known variety, and is never out of crop from September to July.

With 18,000 stock plants to work from there is no danger of it being over-propagated, and all orders intrusted to me will be filled with cuttings selected from the plants and the order filled by myself, thus doubly assuring good stock.

Honest sample blooms furnished, prepaid, at $1.00 per dozen. Amount deducted from all orders for 100 or over. Up to date, every sample excepting one out of several hundred sent, has brought an order.

PRICE—Per 100, $10.00; per 25, $2.50; per 1000, $75.00; per 250, $18.75.

☞PRICE LIST FOR STANDARD VARIETIES READY NOW.

HERR'S PANSIES—Good little plants at 75 cts. per 100; $4 00 per 1000.

ALBERT M. HERR, - - Lancaster, Pa.

Mention the Florists' Exchange when writing.

A GRAND RECORD

Genevieve Lord

STANDS at the head of the list of light pink carnations. It is undefeated in its class. A commercial triumph, combining fine exhibition qualities. With its grand length and stiffness of stem, beautiful large flowers, grand color, general good habit, productiveness, etc., it cannot fail to win for itself a place in the front rank of the greatest money makers of to-day.

We will not over-propagate it; as soon as limit of healthy production is reached, our order book will be closed. Book is now open. All orders filled in rotation; bear in mind the importance of this fact. Send for complete description.

Price, $75 per 1000; $10 per 100; $2 per dozen.

DELIVERY FEBRUARY 15.

We can also furnish first delivery, the following varieties, at introducers' prices: **Olympia, Mrs. Thos. W. Lawson, The Marquis** and **Ethel Crocker.**

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

NEW CROP **WINTER-BLOOMING**

Carnation Seeds!

Hand Fertilized, 25c. per 100. Cash with order.

AMERICAN ROSE CO., Washington, D.C.

Mention the Florists' Exchange when writing.



100,000 Rooted Cuttings CARNATIONS

Now Ready to Ship.

Early orders get the best rooted stock.

	Per 100
MRS. THOS. W. LAWSON, pink	$14.00
ETHEL CROCKER, pink	10.00
THE MARQUIS, pink	10.00
GENEVIEVE LORD, pink	10.00
OLYMPIA, variegated	12.00
G. H. CRANE, scarlet	4.50
AMERICA, scarlet	4.00
MELBA, light pink	3.50
MRS. G. BRADT, variegated	3.00
GLACIER, white, fine	4.00
MAUDE ADAMS	3.50
GOMEZ, dark red	4.00
MRS. F. JOOST, pink	2.50
GOLD NUGGET, yellow	3.00
ARGYLE, fine pink	1.25
TRIUMPH, fine pink	1.50
DAYBREAK, shell pink	1.00
EMPRESS, dark red	1.00
FLORA HILL, white	1.50
WHITE CLOUD	2.50
MARY WOOD, fine white	3.00
JUBILEE, scarlet	1.50
PSYCHE, variegated	1.50
MORELLO, scarlet	1.50
WM. SCOTT, pink	1.00
LIZZIE McGOWAN	1.00

No orders shipped to Canada for less than $10, cash.

5 Cuttings at 100 rates.

PLANTS

	Per 100
Geranium De Roo Mitting, 2¼ inch	$7 00
Geranium Double Snow Drop, "	7 00
New Yellow Baby Primrose "	7 00
22 Coleus, fine, named "	4 00
20 Standard Coleus, named "	1 00
30 Double Petunias, mixed "	2 00
Primula Obconica, 3½ inch	3 00
Primula Obconica, 2¼ inch	2 00
Primula Chinese, 2¼ inch	1 00
Primula, from flats, strong	50
Velvet Plant	2 00
15 Begonias, flowering, named, 2¼ inch	2 00
Forget-Me-Not, winter flowering, 2¼ inch	2 00
Iresines, 2 varieties, red, yellow, 2¼ inch	1 50
Pansy Plants, per 1000, $3.00	50
Cannas, large flowering, mixed	1 00
Mesembryanthemum Erectum, 2¼ inch	2 00
California Moss "	2 00
Lycopodium Dent "	2 00
Alternanthera, 4 varieties "	1 50
Feverfew, Yellow Foliage "	1 50
Feverfew, Little Gem "	1 50
Dusty Miller "	2 00
Cigar Plant "	2 00
Vinca, variegated, trailing "	2 00
Pure White Pansy Plants	50
Ferns, mixed, our selection, 2½ inch	5 00
Lobelia, Crystal Palace Gem, "	1 50

Five plants at 100 rates.

THE MORRIS FLORAL CO., Morris, Ill.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00.
Payable in advance. The date on the address label indicates when subscription expires.

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Copy must reach this office not later than Thursday in order to secure insertion in issue of the following Saturday.
Orders from unknown parties must be accompanied by cash or satisfactory references.

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Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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Errata.

In advertisement of Peter Reinberg, page 65, last issue, the prices of Mrs. Bradt should have read, $4.00 per 100; $35.00 per 1000.

The advertisement of George Reinberg should have appeared in last issue same as in this issue.

The schedule of premiums offered by the Worcester County (Mass.) Horticultural Society for 1900 has been issued. The secretary is Adin A. Hixon, 18 Front street, Worcester, Mass.

In a recent interview Mrs. Langtry, the actress, in telling the story of her career, says that her friends were divided on a choice of a life-calling for her between market gardening and acting, and, she says, she has often wished she might have chosen the other alternative. The "Jersey Lily" is passionntely fond of flowers, and remarks that botany was the one study in which she was invariably perfect.

Cut Flower Prices.

In your report of the New York cut flower market, on page 7, issue of January 6th, you quote the market as follows:

"On Thursday we found special American Beauties 50 cents each, and very few wanted at that. Special Bride and Bridesmaids bring 12 and 15 cents, and they have to be very select when they realize the 15 cents. Extras fetch 8 cents, No. 1, 3 and 4 cents, and No. 2, 2 cents.

Your reporter must have been very much misinformed or he did not take the trouble to get at the facts.

On Thursday, January 4, the day he makes the report, I sold fancy Bride and Bridesmaid at 15 cents; extras, 12 cents; No. 1 Bride, 7 cents; No. 1 Bridesmaid, 8½ cents; No. 2 Bride, 4 cents; No. 2 Bridesmaids, 5½ cents; the same on the 5th and 6th, all sold on the wholesale market—28th street.

If we are going to have the market reported, let us have it reported correctly, impartially and fairly. I will venture to say that No. 1 Bride and Bridesmaid have not sold in the wholesale market within 30 days at 3 and 4 cents, as stated, unless they were stale flowers or out of condition, and I think if your reporter will take the trouble to look up the facts he will find the average prices for the last 30 days for Bride and Bridesmaid No. 1 have been double the figures quoted.

A. L. THORNE.

Flushing, L. I.

If our correspondent received the prices given by him he is exceedingly fortunate. Our reporter's remarks, so far from being the result of "not taking the trouble to get the facts" are based on two days' work of careful investigation, and are not, as our correspondent imputes, the outcome of mere hearsay. There are, of course, cases where the stock of some growers will realize more than the highest market price quoted by us; but these instances are exceptional, and the stock of limited quantity; and to quote them as a general market figure would be misleading to the majority of consignors and unjust to the salesmen. What we endeavor to furnish is the general run of values, a by no means easy task when is taken into consideration the numerous variations, both in the grades of stock and prices obtained therefor, ruling in the New York market, and to which the wide range shown in the column giving the wholesale price list of cut flowers testifies.

We do not doubt for a moment that Mr. Thorne obtained the figures given by him; and there are various reasons why it was possible for him to do so. Among these his proximity to the point of distribution, thus enabling early delivery, contributing to freshness of stock and consequent first call. It may have been that the supply of the particular quality of his flowers was limited on the date in question, with a good demand therefor, conducive also to higher values being obtained, and much may also depend upon the ability of his salesman.

His letter is but another evidence of the truth of the oft-repeated assertion that first-class stock will always find the readiest sale at highest prices, the better the grade and the more advantageously the consignor is located to his market, also acting in his favor. But Mr. Thorne's case is one among several hundreds less fortunately situated, and, perhaps, with the drawback of inferior quality; and we think that the values he received can hardly be taken as indicative of those for the general run of material, and for which, it being in the greatest abundance, it is our aim to supply.

We may add that we always take the opportunity of recording exceptional prices when such present themselves, believing that these have an educational value far beyond mere word-teaching; yet any one outside of a commission house, or the office of a florist's trade paper, has but a faint conception of the commotion among consignors that such quotations cause. It is a failing of human nature to believe that one's stock is as good as that of his neighbor, and, though "figures never lie," they more often than not fail to bring about conviction in this particular case, even though accompanied by what ought to be a convincing explanation.

We most emphatically refute the imputation of our correspondent that our reports are either unfair or partial; or that they are given haphazard. If he himself will take the trouble to call on, as we do, every commission man of any consequence in New York City, he will find the statements as to prices of specific stock, vary as many times as there are salesmen; and still each one may be stating the truth. This may arise from the lack of uniformity or a fixed standard in the grading, each middleman being a law unto himself in this respect.

Before we gave "the facts," questioned by our correspondent, we, as stated, "took the trouble to look them up," and a further investigation only serves to their corroboration. Our correspondent must and should not pass judgment simply on the knowledge born of his own particular case, which may be, and possibly is, an isolated one. Snap sales do not constitute, nor can they ever convey, the run of prices for the majority of the stock received and which it is our object to present.

Chrysanthemum Society of America.

We are pleased to note, in a contemporary, President Hill's confession of the "sins of commission and omission of this society," and also his pleading for better recognition of the society's services than is now generally accorded by those interested in the plant for which the society stands sponsor. We confess to being numbered among those "horticultural litterateurs" who have been "quite diligent in their prodding and free with suggestions"—a disposition into which the President himself seems to have now likewise fallen—and our object was also similar to his own, viz., the betterment of the society's condition and a greater interest in its work.

It has been our claim right along, to which we still adhere, that the Chrysanthemum Society of America is a mere nominal organization, its interest in the chrysanthemum and the cultivators thereof ceasing with the inspection of new varieties and an award of a silver cup, consequent upon the work of inspection and certification. Its annual meetings have all but been fiascos. We have yet in mind the earnest but futile efforts of the worthy secretary at Detroit to bring together a quorum, and the impressment of individuals necessary to this accomplishment. The work done on that account, from the summary nature of the proceedings, fell far short of what might be and is expected of a national body at its annual gathering. We have suggested a change of the date of the annual meeting of the society to a more opportune period, when interest is centered almost exclusively on the flower that the society seeks to advance, looking to greater success both as regards attendance and work accomplished, and we have yet to hear any tangible objection to this proposition. We have made the plea, now put forth by President Hill, that the society should recognize to a greater extent than it now does the amateur cultivator. As an example of how valuable he is to the society, may be cited the fact that the changing of the society's scale of points last year was the outcome of an amateur's suggestion! The proposition of an annual exhibition—under the society's auspices—a most excellent one—is not new by any means, though, up till now, it never has been considered by the men "holding the rudder" worthy of carrying out.

It is to be hoped that the list of names for officers, executive committee, etc., which the President has in mind will, when brought to light, result in those being chosen who will readily absorb and assimilate whatsoever tends to progress and advancement of the society's interests. While several of the President's "pricks" are more or less cynical, they are nevertheless suggestive and helpful, and we trust they will lead to acceleration toward a "consummation devoutly to be wished." There is much truth in the saw that, "The Lord helps those who help themselves," a maxim which the Chrysanthemum Society of America should lay to heart.

Meantime, let us keep on "prodding."

Our Prize-Winners Acknowledgments.

A. T. DE LA MARE PTG. & PUB. CO.:

Your letter of 20th at hand informing me that my article in prize competition secured the first premium. The money came duly to hand.

Permit me to thank you very much, and I trust that any suggestion that was made in the article will be of as great benefit to your readers as have been many of the timely and well-written articles that have helped the craft thus far in your valued paper. No well-regulated business man could afford to do without the paper, if once accustomed to reading its pages. Again thanking you, Sincerely yours,

CHAS. E. NEALE.

Worcester, Mass.

A. T. DE LA MARE PTG. & PUB. CO.:

I am in receipt of yours containing the pleasing information that I was a prize winner in the recent competition; the prize money is also to hand, with thanks.

In offering the suggestions my object (and doubtless those of the others) was to assist you, by showing the reader's point of view, and had not any other reasons beyond trying to win the prize—certainly not because of dissatisfaction. We all like the paper we subscribe to and think it the best. The way to find out what the people want is to ask them, as you did; and the fact that there should have been so few replies is justly to your credit and proves you to be turning out a very satisfactory journal. Possibly, however, you would have received a greater number of responses had it not been just at the average florist's busiest season when the contest was called for.

Thanking you exceedingly, and trusting you will continue to progress and succeed, Yours truly,

SAMUEL BATSON.

Kalamazoo, Mich.

Grove P. Rawson, Elmira, N. Y., winner of the third prize, writes: "Thanks for 'The Water Garden.' One cannot always expect to win first premiums."

A. T. DE LA MARE PTG. & PUB. CO.:

I beg to acknowledge receipt of your kind letter of the 20th inst., advising me of my having been awarded fourth prize in your recent Prize Competition. By the same mail came the prize, which is a beauty, is greatly appreciated, and for which please accept my best thanks.

That any suggestion of mine should have proven acceptable to the FLORISTS' EXCHANGE is sufficient honor and glory, without any reward. However, for the pleasure it renders, this method of winning a prize takes the palm. Progressive euchre is not in it.

Congratulating the gentlemen who won the other prizes and wishing you continued success and prosperity, and again thanking you,

Yours very truly,

CHARLES JOHNSON.

Philadelphia.

Commenting on the forthcoming exhibition to be given in connection with the New York Convention of the S. A. F., in August next, the Philadelphia Telegraph remarks:

"It is indeed surprising that when innovations in the exhibition line are already so scarce as to make the holding of snake and fashion shows a possibility, plants and flowers have not ere this come into their share of attention. With dog fanciers' clubs galore there certainly ought to be room for a live organization that would foster the growing of rare plants and flowers among the rich women and men of this country by an annual competitive exhibition."

It is sincerely to be wished that the New York show may be but the initial step toward an annual competitive exhibition "among the rich men and women of the country," at the meetings of the S. A. F. Much, then, very much depends on the success of the New York show in the bringing about of this.

The Harvard faculty has voted to give from the Lawrence Scientific School a new degree in landscape architecture. The course is to require the taking up of a series of studies in landscape gardening and architecture, and is offered in response to many recent demands for men versed in this line of study.

OBITUARY.

Joseph Nicol.

Joseph Nicol, after a year's sickness, passed away at his home, at Cataraqui, Ont., January 16. Deceased was born in Montrose, Scotland, 63 years ago. He came to this country when quite young, and was for many years in business with Benjamin Chaffey, of Brockville. About thirty years ago he went to Kingston, and had been engaged in business as a gardener and florist ever since.

Mrs. Henry F. Michell.

Henry F. Michell, seedsman, Philadelphia, experienced a sad bereavement on the 18th inst.; his wife died at 6 a.m. on that day, after four days' illness. The trade in general has expressed much sympathy with Mr. Michell in his sorrowful loss. He has always been kind and attentive to his customers, and has endeared himself to the trade in many ways. Mr. Michell had been married about five years, and although his wife had been ailing at various times, all symptoms were, to appearances, overcome, hence this sudden blow was the more severe. D. R.

John Pearson.

The trade in Memphis, Tenn., has lost one of its most useful and valued members in the death of John Pearson, which occured January 19. Mr. Pearson was ill from pneumonia less than a week, and his death was unlooked for, as he was a sturdy, strong, energetic man. He endeared himself to all by his courteous manner and kindly disposition. Mr. Pearson was an Englishman and was an apprentice at famous Chatsworth; after that going to Veitch's, then coming to America, where he engaged in managing private places, finally coming to Memphis and embarking in business for himself, which he had conducted for the past 20 years. He leaves a widow, but no children. C. H. H.

Alfred Neuner.

Alfred A. Neuner, formerly of the firm of Nanz & Neuner, florists, Louisville, Ky., died recently near Stuttgart, in Germany. Mr. Neuner had been in failing health for some time, and last March left Louisville for Germany, in the hope that the change of climate would benefit him. For a time he rallied, but his malady proved fatal, and he sank steadily until his death.

Deceased was born in Germany. When 17 years of age he came to this country and soon settled in Louisville. He formed a partnership with Mr. Nanz, which continued until 1898, when it was dissolved. Mr. Neuner was then for a short time in Vaughan's seed store in Chicago.

Mrs. Neuner, who survives, is a sister of Mrs. Louis Stein, wife of the city editor of the Louisville Anzeiger. There are four children—Harry, who is now in Jersey City; William, who was with his father, and Misses Emma and Alice. Mr. Neuner will be buried near his boyhood home.

John M. Hodgson.

John M. Hodgson, one of the pioneers in the retail florist business, died suddenly at his home, No. 30 Central Park South, New York City, of apoplexy, Wednesday evening, January 24. The deceased was the first to open a flower store in the fashionable Fifth ave. of the metropolis, starting in 1861 with a modest shop at the corner of 37th street in the plant and rustic work line. Occupying a part of the old Murray mansion he began building up a business with a class of customers among whom were numbered some of the richest people in the city. Subsequently Mr. Hodgson had a store at 45th street and Fifth avenue, where he remained for 25 years, removing in 1898 to 46th street and Fifth avenue. His latter store was on the coraer below, opposite the Windsor Hotel, until he was forced to move by the fire which destroyed that building. His business was then established at the corner of 56th street, where it is at present located.

Mr. Hodgson also conducted a branch store at Newport, R. I., in the season of fashion there for the past 20 years.

Deceased was born in Durham, Eng., 73 years ago. He was in his usual health Wednesday, going out for a walk, then remaining with his family until after 8 o'clock. He was stricken with apoplexy about 9 and died at 11 o'clock. He leaves three daughters, and a son, Chas. F. Hodgson. Mrs. Hodgson died six years ago.

His son and sons-in-law, A. W. Spalding and R. A. Merritt, have been associated with him in the business for some years, though having no interest therein. The store will be continued under its present title of J. M. Hodgson & Son.

The interment will be in Newport today (Saturday). Rev Dr. D. Parker Morgan, rector of the Church of the Heavenly Rest, one of Mr. Hodgson's many friends, will conduct the funeral services in the morning.

Rules in Granting Credit.

(1) Open accounts only with persons of known responsibility.

(2) Take title notes for one-half bill, demanding half in cash. Always have note recorded.

(3) Trust no strangers unless account is guaranteed by some responsible person known to you.

(4) Avoid opening accounts for less than one dollar.

(5) Always set a day for payment.

(6) Collect promptly as agreed.

(7) Avoid long time sales.

These rules strictly followed would undoubtedly lose you about one-fifth of your trade, principally the undesirable filth. If business men would follow such rules, it would tone up trade, make their daily life pleasanter, stop aggravating losses and be better for customers as well.

Finally: Controlling credit is a matter for individual action, and no information will benefit the merchant who cannot say No, or who insists on making such unsafe sales for the chances of making a profit, which is as often as bad speculation as bucket-shop deals.

The real and only safe way to control credit is to sell for cash. Hasten the arrival of that day.—Metal Worker.

The Shaw Garden.

The annual meeting of the Board of Directors of the Missouri Botanical Garden was held January 10, 1900. The financial affairs of the Garden are in a first-class condition. The officers of the Board are R. J. Lackland, president; Henry Hitchcock, vice-president; A. D. Cunningham, secretary; Prof. William Trelease, director of the Garden. The report of Director Trelease shows that the collection of living plants now numbers 9,127. The record of attendance shows that 54,429 persons visited the Garden on week days, 7,755 on the open Sunday in June, and 8,837 in the open Sunday in September; a total of 71,021.

The California State Floral Society, at its annual meeting held January 12, elected the following officers: President, Prof. Emory E. Smith, of Berkeley; vice-president, Mrs. L. O. Hodgkins, of San Francisco; recording secretary, Mrs. H. P. Tricho, of San Francisco; corresponding secretary, Mrs. M. Grothell, of San Francisco; treasurer, John Henderson, of Berkeley; accountant, Mrs. A. R. Gunnison. The directors are John Hinkle, of Berkeley, and Mrs. John Martin, of San Francisco.

The dates of the general exhibitions of the Massachusetts Horticultural Society, for 1900, have been fixed as follows:

SPRING EXHIBITION.—March 20, 21, 22 and 23.

MAY EXHIBITION.—Saturday, May 5.

RHODODENDRON EXHIBITION.—Wednesday and Thursday, June 6 and 7.

PEONY EXHIBITION.—Saturday, June 16.

ROSE AND STRAWBERRY EXHIBITION.—Friday and Saturday, June 22 and 23.

EXHIBITION OF AQUATIC PLANTS AND FLOWERS, ASTERS, ETC.—Saturday, August 18.

ANNUAL EXHIBITION OF PLANTS AND FLOWERS.—Wednesday and Thursday, September 5 and 6.

ANNUAL EXHIBITION OF FRUITS AND VEGETABLES.—Thursday and Friday, September 27 and 28.

CHRYSANTHEMUM SHOW.—November 6, 7, 8 and 9.

EXHIBITION OF WINTER FRUITS AND VEGETABLES.—Saturday, November 17.

The schedule has been issued, and copies may be obtained of Robert Manning, secretary.

American Society of Landscape Architects.

The American Society of Landscape Architects held its annual meeting and dinner at the Hotel Martin, New York City, January 9. A majority of the members, many from distant cities, were present. The officers elected for the ensuing year were: President, John C. Olmsted, Boston; vice-president, Samuel Parsons, Jr., New York; secretary, Downing Vaux, New York; treasurer, C. N. Lowrie, New York. William H. Manning, of Boston, was elected a member-at-large to constitute, with the four officers, the Executive Committee. A feature of the occasion was a discussion of the relation of the society to Municipal Art.

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HINTS and HELPS.

Winter Blooming Begonias—Gloire de Sceaux is a hybrid between B. subpeltata and B. socotrana, the latter being one of the parents of the wonderfully floriferous Gloire de Lorraine. Gloire de Sceaux is a trifle miffy and that is probably the reason we see less of it grown than we did a few years ago. Flowering wood is not the best for cuttings. Young plants are best started from the leaves. When well flowered it is a wonderfully effective plant for decorations, owing to the brouzy color of the foliage and bright pink flowers. Paul Bruant is one of the best flowering of the genus, and one which does well in a house window; the foliage slightly resembles that of B. Gilsonii, another good Winter bloomer, with double flowers, said to have been raised before the War of the Rebellion by a colored man named Gilson. Its history would be interesting, seeing that it is a shrubby kind with the flowers double. President Carnot, after having grown this hybrid since it was sent out a few years ago, I have come to the conclusion that the best way to manage it, in the absence of a place in the greenhouse, where it can be planted out, is to put it out in the open lot in the Summer, where it is encouraged to make all the growth possible; lift with a good ball, pot carefully, when it will flower in mid-winter most profusely. The large clusters of female flowers are one of the most attractive features in the greenhouse at present. Two other good Winter blooming species suitable for house culture are B. manicata aurea and B. acuminata; the former has light pink flowers and yellow spotted leaves; the latter small, crisp looking foliage and pure white flowers.

Pampas Grasses—Last Winter, contrary to expectations, we did not lose a single plant of any of the forms of the pampas grasses, which makes me think it is not so much the cold as it is dampness which is fatal to this the handsomest of all the grasses grown for their flowers. None of the plants were protected by the usual method of boxes or barrels with the ends knocked out, placed over the plants and filled with leaves or straw. Winter propagation of these plants is the most successful, and the way in which we go about it is as follows: A large clump is dug up in the Fall, chopped up into pieces small enough to go easily into 6-inch pots. Use stiff loam and pot firmly, standing the plants under benches, watering occasionally until the beginning of February, when they are knocked out of the pots and divided up into the smallest possible pieces; shorten the leaves back to half their length, put in the sand bed for a couple of weeks to start new roots, then put in 3 or 4-inch pots, and they will form well furnished plants in a short time.

Flowering Shrubs—The wood of these intended for cuttings taken after the leaves were shed, and which were stored in a damp place, out of the reach of frost, should be attended to shortly. Where only a limited number is wanted for local trade, the cuttings may be made and put thickly together in boxes of sand; these boxes may be placed under the benches of a rose or carnation house, where a large percentage will root. After they are rooted bring them to the full light for a few days previous to potting off or shifting to cooler quarters, preparatory to planting in rows outside. When wanted in large quantities, the usual custom of putting the cuttings in rows, ontside, later in the season, is advisable. Some of the most popular shrubs amenable to this treatment are as follows: Deutzia scabra, D. Lemoinei, Forsythias viridissima and suspensa; the species of philadelphus, Hibiscus syriacus and its forms; Lonicera odoratissima and L. Standishii; Staphylea pinnata and S. Bumalda, Syringa persica, S. p. laciniata, Viburnum macrocephalum, V. plicatum, Punica Granatum nana, and the species of tamarix, which root very quickly, and are highly useful as seaside plants.

Vase Plants—When vases have to be filled with only one kind of plant hardly anything will be found more appropriate than the Rnsselias. The branches are erect in a young state, eventually becoming drooping. If the plants are put in a light, rich soil, with abundance of water during the growing period, they will be in bloom most of the time. Only one-year old plants should he used for large vases; that is, plants in 6 or 7-inch pots, as when of that size they soon become furnished with good sized branches. The old and well-known Russelia juncea is the best for the purpose, although sarmentosa and Lemoiuei are both good, giving a greater number of flowers which, however, are smaller than those of juncea.

Double Pink Hibiscus—This plant I grew for the first time last year, and it turns out to be one of the finest of the rosa-sinensis section. It looks as if it would be a first-class plant for those doing a general trade, to handle. Even if each plant in a 5 or 6-inch pot should have only one open flower it would be a good seller. Plants for market should be grown to one stem. The cuttings root in the open beach without much trouble, and after they have taken with 3-inch pots they may be shifted into 5 or 6-inch, using lumpy, rich soil. Keep in a growing state until they get to be one foot or more tall, when they will flower freely.

Bedding Crotons—The principal batch of the commouer kinds of crotons for planting out may be got up now, by pruning back the plants which were lifted from the beds last Fall, and all the growth available for cuttings put in. Where the propagating house is not suitable for the purpose put a frame of wood on the warmest part of the bench, and cover with glass. The top and bottom removed from a large shallow box will do when covered with panes of glass. A humid atmosphere is necessary to root the croton at this time, as the wood is not apt to be so ripe as it is in the Fall. Let the cuttings he well rooted before potting. Good plants, with leaves well colored, and which have lost their lower leaves through continued service in decorating, had better be mossed about this time to preserve the tops; good sized pieces may be treated this way. Take out a section of the bark all round the stem, tie some moss firmly on, keep the plants shaded, and in a warm house; when roots appear through the moss break a small pot in two and place round the stem, tying it in position; fill with peat, loam and sand, and when this is filled with roots the top may be cut off, repotted and placed in a frame, where they should only get water by the aid of the syringe for a few days.

Mossing Palms to produce roots high up on the stems exactly as we would do in the case of Ficus elastica or other plants, so that good sturdy tops may be obtained, is an operation which, I think, few have heard of, and fewer still would advise as an alternative to throwing the plant away when it becomes too tall. Several species of Chamædorea, such as elegantissima and graminifolia, when they get beyond a certain age, have reed-like stems out of all proportion to the size of head. These heads can be successfully rooted by making an incision in the stem and placing a wad of moss and peat over it, and subsequently a 4 or 5-inch pot, broken in two, clasping the stem and filled with soil. This operation has been successfully performed lately by Mr. Henry Pfister. G. W. O.



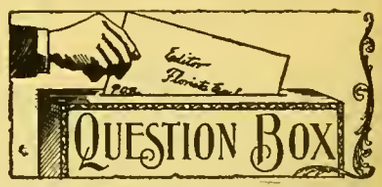
Nematodes in Roses—Rose Root Galls.

The Orchid Market.

In reply to your favor in regard to the market for orchid flowers this season we would say that, as a whole, prices have ruled higher and firmer, so far, compared to last season. The reasons are probably various: In the first place the demand for orchid flowers in other cities outside of New York has increased at a rapid rate—so fast, indeed, that this year shipping will probably double that of last year; and last, but not least, the "good times" undoubtedly are responsible for the better prices obtained.

As to orchids for Easter we will have Cattleya Trianæ, C. Mossiæ and C. Mendelii. We grow most of our cattleyas comparatively cool, consequently our Trianæ extend over a season, say from Christmas to Easter, which, however, we find is the extreme limit for C. Trianæ, while somewhat early for C. Mossiæ and C. Mendelii; but by selecting the most advanced of the two latter varieties and placing them in a somewhat warmer position, they should come in right for Easter.

JOHN E. LAGER,
Summit, N. J. Of Lager & Hurrell.



(14) **Rats Eating Carnations.**—We are greatly annoyed with rats eating our carnations. At first we caught a few with poison and traps, but now they are too foxy for either, and are worse than ever. What is the best remedy to get rid of them?—S. BROS.

—There are many ways of giving poison to rats, and when it is found that they refuse to take it in one form, some other has to be tried. We would suggest the following plan: Have a good-sized dish of oatmeal cooked and placed in the carnation house in the evening for the rats to feed upon; repeat this every evening for a week or so, by which time all the rats will be eating it greedily every night. When it is found that the dish is empty every morning, then is the time to introduce the poison into the oatmeal. Get pure strychnine and mix a good dose of it thoroughly with the oatmeal, placing the dish in exactly the same spot as before. This method has been known to clear out hordes of rats, and will, if adopted, no doubt help you.

(15) **Taking Carnation Cuttings.**—The tops of all the growths of a carnation plant make good cuttings, though the medium-sized ones will root better than the thick heavy shoots that are found near the base of the plant. To prevent the grassy growth mentioned is rather a broad question; some varieties are given to coming in crops, and perhaps those referred to are of this class. Then, again, too low a temperature will retard any varieties from flowering freely, although the plants thus kept will have fine foliage, be in a healthy condition, and will produce plenty of bloom later in the season.

(16) **Antirrhinums Not Flowering.**—I have a house planted in antirrhinums. These plants were raised from seed sown about April 15. The plants were potted in 4-inch pots and plunged outside during the Summer, being pinched back and watered well all the time. About October 21, when the weather was getting cold, I took the plants inside, but as at this time the house was planted in chrysanthemums, it was about November 15 before I could plant the antirrhinums in the benches. Now the plants are looking nice and vigorous, but only make a few flowers occasionally, though they are making plenty of flower shoots. What can I do to hasten flowering? The temperature of the house is about 45 degrees at night. I did not change the soil in the bench after the chrysanthemums came off. Can this be the reason? Is there any way of getting a full crop about Christmas next year, and is it better to raise plants from seed again for next year or to take cuttings from my best plants?—L.

—That the antirrhinums are making plenty of growth is proof positive that planting them in the old chrysanthemum soil was all right. The cause of flowers being hitherto so few is due to the low temperature the house is kept at during the night. If this be raised from 5 to 8 degrees higher, and an occasional watering of liquid manure applied the plants will soon flower abundantly. To have a crop for Christmas we would propagate in May, selecting the best colors, and grow them outdoors through the Summer, pinching out all flowering shoots that may start. When the nights begin to get cool in the Fall transplant to the bench in the greenhouse, and keep a night temperature of about 50 degrees. Plants thus treated will furnish flowers from November on through the Winter.

Eel-Worms in Roses.

During the past few months there have been many complaints on the part of rose growers because their plants failed to produce a healthy growth and a good supply of blooms. While there are several causes for this sad state of things, one of the leading reasons for distress is a microscopic worm that works principally at and in the roots. These worms are in form like that of an ordinary eel and under the microscope are seen in

almost constant motion. These cause an enlargement of certain portions of the roots, which swellings are sometimes called galls. These galls or knots are easily detected with the naked eye when a plant is removed from the soil and carefully washed of the adhering earth. Figure 1 shows the general appearance of a portion of root of a rose that had sickened from the inroads of these worms. As the minute animals are not unlike the worms found in vinegar, they are sometimes spoken of as vinegar eels. The term nematodes is also given to them, but whatever name they go by, there is no doubt as to their injuriousness.

The point that most interests rose growers is how to get rid of the pests. In order to do this it will be of much assistance to know where the worms come from—how they propagate and get into the roots of infested plants. These eel worms are much more abundant than generally supposed, and it is only when they are numerous that their mischief becomes apparent. In looking up the subject of tomato blight in the South, some years ago, it was observed that the tomato plants were, almost without exception, more or less affected with the root galls, and the same is true for a large list of plants, both herbaceous and woody. The nematodes are, as a rule, much more abundant in warm climates than elsewhere, and the unusual abundance of these pests in Northern gardens, is likely due to the lack of freezing of the soil.

The greenhouse furnishes the proper condition for the propagation of the eel worms, provided they are there to begin with, and this naturally raises the question of how they first get into the bed. This may be in one or more of several ways. They may be already in the roots of plants, but in small numbers, when the plants are placed in the house. To guard against this, the roots should be examined as closely as possible for the galls, when the beds are set. All galled roses should be excluded. The nematodes may come in with the earth. As before stated, the worms infest a large number of kinds of plants, and it is an easy matter for them to come with the soil. Soil that has not been used for growing plants in the garden is not necessarily free, but if taken from a pasture or meadow may contain many nematodes. Then, again, they may be taken with the manure that is used.

Just what may be the best precaution remains for the practical rose grower to determine. Cold in excess will probably destroy the worms, and likewise a high temperature is inimical to them. Both these conditions may be impracticable to apply to the soil, the one being impossible in some cases, and the other too expensive.

Recently Drs. Stone and Smith, of the Massachusetts Experiment Station, have made extensive tests with nematodes, and they conclude their report by stating that while many solutions are capable of killing the mature worms the strength and amount necessary to add to the soil is great. "The most effectual, complete and practical method at the present time of exterminating nematodes in greenhouses is by heating the soil by means of steam. This can be accomplished without much expense, providing proper attention is paid to the method of applying the steam." They find the minimum amount of heat necessary to kill the nematodes is 140 degrees F. Rose growers might make the experiment of heating the soil of a small portion of the bed before setting the plants, and satisfy themselves if such treatment will pay. If manure is the chief vehicle of the worms, it may be possible to grow roses without so much of this constituent of the rose soil. It may be that roses can be grown with a formed soil, to which all of the necessary elements of plant food have been added in the form of commercial fertilizers. It may be, however, that the pampered rose will not perform its part unless fed in the ordinary way, to which its ancestry had been accustomed.

The fact is that the worms are doing much damage, and when they are once in a plant there is no known way of driving them out. New conditions may induce the formation of new roots, and a sickened plant may revive, but this is not to be expected under such circumstances.

With roses the writer has not found the eel worms in other than the roots, and it is not thought that cuttings from galled plants will carry the trouble.

BYRON D. HALSTED.

Experiment Station, New Brunswick, N. J.

Custom-House Decisions.

ROSA RUGOSA DUTIABLE AS A BRIER ROSE.

The species of rose plant known as Rosa rugosa is dutiable at 25 per cent. ad valorem as a brier rose, under paragraph 252, act of July 24, 1897, and not as a rose plant budded, grafted, or grown on its own root, under said paragraph.

The following is the opinion by Fischer, general appraiser, on the subject:

"The merchandise in question was returned by the appraiser as 'rose plants,' and duty was assessed thereon at 2½ cents per plant under the provision of paragraph 252 of the act of July 24, 1897. It is claimed to be dutiable at 25 per cent. ad valorem under said paragraph as 'brier rose.'

"The pertinent part of paragraph 252 is as follows: 'Rose plants, budded, grafted, or grown on their own roots, 2½ cents each; stocks, cuttings and seedlings of all fruit and ornamental trees, deciduous and evergreen, shrubs and vines, manetti, multiflora and brier rose, and all trees, shrubs, plants and vines, commonly known as nursery or greenhouse stock, not specially provided for in this act, 25 per centum ad valorem.'

"The testimony of a number of witnesses was taken before the Board, and from that testimony we find:

"(1) That the term 'rose' as used in trade and commerce signifies a rose plant, and does not mean the cut flowers or blossoms known by that name.

"(2) That rose plants are of two classes, namely: (*a*) Such as are budded, grafted, or grown on their own roots, that is to say, roses grown exclusively for the bloom, and propagated either by budding or grafting them on to the stock of some wild rose grown from seed, or by cutting a slip from the parent plant and planting it to form an independent plant. Such roses can not be grown from seed, as they are not species and would not come true from seed. They are known as named roses, from the fact that, being produced by artificial means, each new variety, as it is produced, is given some name by its producer, such, for instance, as the General Jacqueminot (commonly called Jack) rose. (*b*) Brier roses, which are true species propagated from seed, and always coming true from seed. These are grown mainly for the purpose of serving as the stock on which the named roses are grafted, and are less expensive than the artificially produced roses.

"(3) That 'grown on their own roots,' as applied to rose plants at the time of the passage of the tariff act of July 24, 1897, and prior thereto, means roses grown from slips or cuttings, and not budded, grafted, or grown from seed.

"(4) That the merchandise in question is a brier rose plant of the species known as Rosa rugosa; that it has been grown from seed, and is not budded, grafted, or grown on its roots, and that it is commonly known as nursery stock.

"We hold that the article before us is dutiable as a brier rose at 25 per cent. ad valorem, and accordingly sustain the protest in each case."

ROSE PLANTS.

The Treasury Department is in receipt of a report of the United States attorney for the southern district of New York dated the 29th ultimo, in which he states that the case of Cleary & Co. vs. The United States, was recently decided in the United States Circuit Court for that district in favor of the Government. The merchandise in suit consisted of certain roses, which had been assessed for duty at the rate of 10 per cent. ad valorem under paragraph 234½ of the act of August 28, 1894, under the enumeration for "plants used for forcing under glass for cut flowers or decorative purposes." The importers protested, claiming free entry as nursery stock under paragraph 587 of the same act.

The decision of the United States Circuit Court, affirming that of the Board of Appraisers in the case, is as follows:

"The merchandise herein comprises certain roses claimed as free under paragraph 587 of the act of 1894, as 'plants, trees, shrubs, etc., commonly known as nursery stock,' and assessed for duty under the provisions of paragraph 234½ of said act as 'plants used for forcing under glass for cut flowers or decorative purposes' at 10 per cent. ad valorem.

"The appraiser reported the merchandise as forcing plants. The single witness produced on behalf of the importers admitted that he knew nothing about this specific importation. Upon the report of the appraiser the Board overruled the protest. The decision of the Board of General Appraisers is affirmed."

A Model Rose Establishment.

The range of glass owned and conducted by Henry Heutz, Jr., at Madison, N. J., can truly be quoted as a model establishment. Here everything pertaining to the building of the place has been done according to the latest improved methods. With such facilities as this range of houses affords, together with the competent foreman in charge (J. E. Milton), it is no wonder that many of the finest roses seen in the New York market are sent from this place.

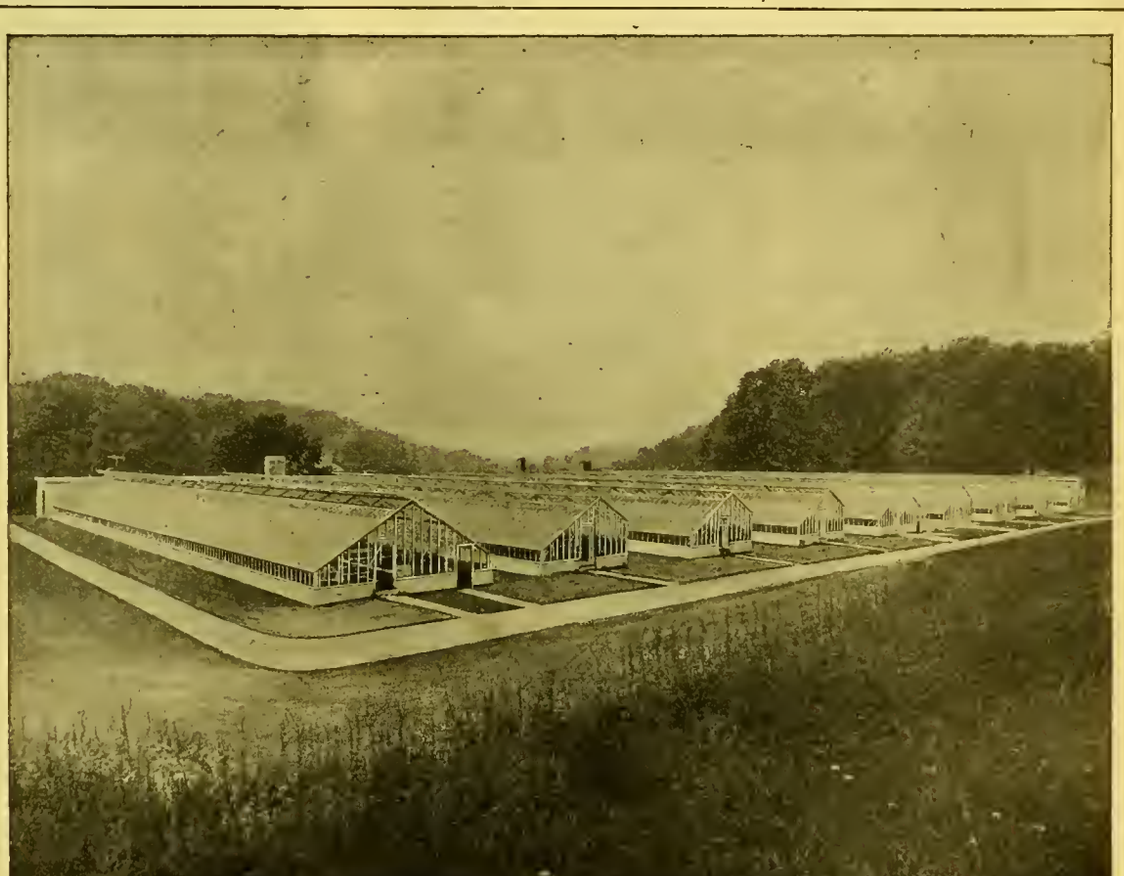
The houses are nine in number, all are of the same size, and measure 175 feet by 20 feet. Seven of the houses are planted with American Beauty in the centre, and Bride or Bridesmaid on the side benches. The other two houses are planted with Bride and Bridesmaid throughout. At the time of our visit—January 10—the houses were off crop, but the abundance of new wood in sight was direct evidence that that condition would not prevail very long.

We noticed among the teas that some of the benches of plants were doing duty for the second year, and to an inquiry as to which method was the best, planting new stock every year or growing on for two or more years, we found that both methods did well, but that the young plants furnished the greatest number of special flowers.

Suspended underneath the benches, and just inside the posts is wire netting in which tobacco stems are placed to keep down green fly. Although this plan of using the tobacco is in vogue at some other places, it is not so universally practiced as it ought to be, and if adopted would certainly be much more comfortable for the men employed where the old idea of strewing the stems on the paths still prevails.

Running parallel with the ends of the houses is the shed, which in its appointments is as near perfect as anything that ever came under our notice. It is about 25 feet wide and over 300 feet long; every house opens directly into it. Underneath is located the boiler sheds, packing rooms, carpenter shop, etc.

The heating of the plant is done by four boilers, hot water through 2-inch pipes being the system.



Range of Rose Houses of Henry Hentz, Jr., Madison, N. J.
Reproduced by courtesy of Lord & Burnham Co., Designers and Builders.



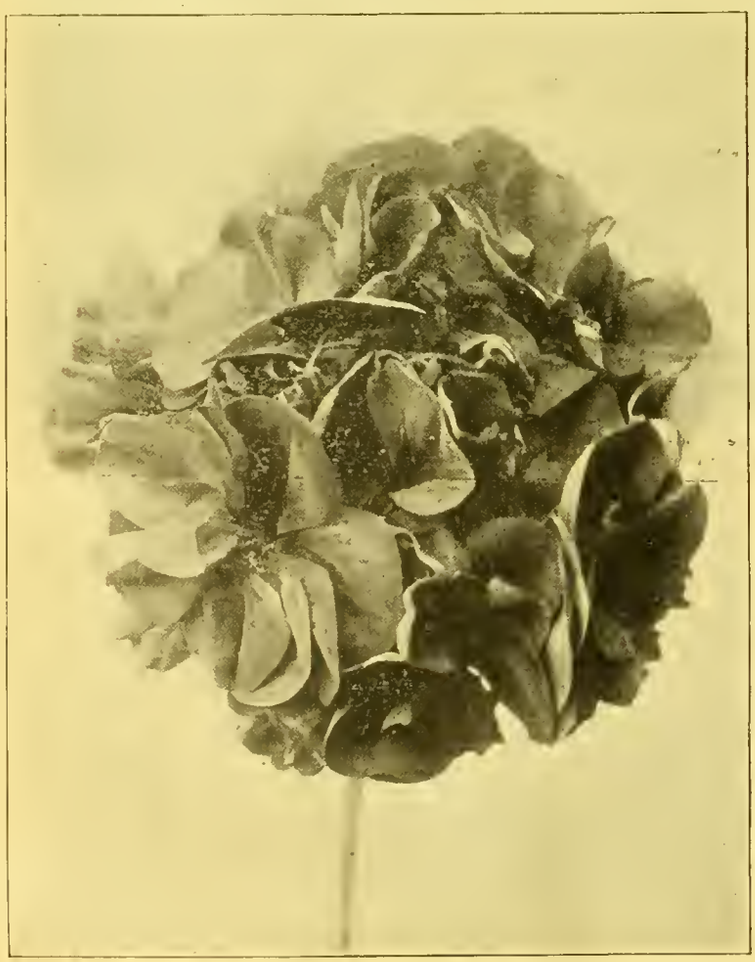
Carnations at Cottage Gardens.

A visit to this well kept establishment will always repay the lover of high grade flowers and plants, let it be made at whatever season of the year one chooses, and a tour through the extensive greenhouses at this particular season (the last week in January) gives one a grand opportunity of seeing many new and interesting things, not alone in the way of plants, but also in new methods of cultivation. When we speak of new cultural methods, we refer chiefly to sub-irrigation; and although this subject is not ripe enough to be fully gone into here, there is no doubt in our mind, after seeing the results obtained at the Cottage Gardens, that sub-irrigation in carnation culture will in the near future have a good many more devotees than it has at the present day. At the present time the house devoted to seedlings is a mass of flowers in great variety. Of the many novelties in sight in both white and colored varieties, there are a number that will prove acquisitions to existing kinds when the time comes to disseminate them. Governor Roosevelt, a deep scarlet, has already made a hit in the New York market, and a large stock of it is being worked up. Another kind that will surely make a hit is a white, full fringed flower, measuring well over 3 inches and now known as No. 70. This is a magnificent variety in every respect, and as a good all-round white is badly needed for commercial purposes, there should be a great future for this particular one, owing to its remarkable freeness and general good qualities.

Next in importance to the house of seedlings is the large house that was erected last Fall; its dimensions are 245 x28 feet, built equal span, running east and west, double row of ventilators at the top, which work automatically; also ventilators on both sides and both ends. This house is the most satisfactory of any that Mr. Ward has hitherto built, and the returns from the stock planted therein mark it as the ideal house. But two varieties of carnations are planted —General Maceo and G. H. Crane, and their floriferousness has exceeded all records. Maceo is noted for its free-blooming qualities (which we had occasion to notice a year or more ago in these columns), but in this even span house, and with sub-irrigation, the average yield per plant up to the last week in January is close to 40 flowers. G. H. Crane is almost as free; there are, altogether, 5,500 plants in the house, and it is a picture.

In the remainder of the houses devoted to carnations we find the stock all in excellent condition and producing heavily. General Gomez, the brilliant maroon, is the most satisfactory of all, being a steady producer and realizing fancy prices in the market. A sport of Flora Hill, of the same color as the type, but showing improved stem and general habit, is also taking a prominent position in its class. Morning Glory is an elegant flower of the Daybreak shade, and with Mrs. James Dean takes first place among the light pink colors. The house of White Cloud is in strong vigor and throwing innumerable fine flowers. Brower, Gold Nugget, Melba, Governor Griggs, Joost and Cerise Queen will all be discarded another year, as their respective places can be filled to better advantage.

The stock plants are kept from blooming after being tried, and these are all in the best possible condition for furnishing clean, strong cuttings. The propagating house is also filled with as fine stock as can be produced, and a cleaner or healthier lot of cuttings than they are it would be hard to find.



Truss of Double Bedding Geranium M. Canovas.



Truss of Single Bedding Geranium De La Vigne.

Another strong feature at the Cottage Gardens is the geraniums. The stock plants are all in the benches, and the different varieties can be seen to advantage as they are allowed to produce some flowers, although the main object in planting them is for cuttings. Among the best of the geraniums the following may be named as leaders in their respective classes:

John Doyle, with its splendid habit, heads the list of the scarlets, as does J. P. Cleary among the single scarlets; Mme. Jaulin and Beaute Poitevine in semi-double pinks are good, while in double pinks come Miss Frances Perkins, Mme. Guevellet and Mme. Barney. In the pure double scarlet varieties Raspail improved is very fine. Among the giant flowered singles that were introduced last year Hall Caine, a bright cherry red, gives a very large flower and is exquisite as a pot plant. Ian Maclaren is of the salmon shade, deepening toward the center, and makes a very large truss. Rudyard Kipling has a dwarf habit, with flowers of a rich crimson color. Pierre le Brun has a strong and vigorous habit, and is very free blooming, having large trusses of rose colored flowers blotched with carmine.

In the double crimson section Ryecroft Pride and Kleber are both of perfect habit, the latter with its rich, almost purple, coloring, being very desirable for massing purposes.

Among the novelties for this year Aquarelle, Grandville and La Fraicheur are very fine, as also are Mme. Landry, Mme. Charotte and Jean Viand. In the double bedders M. Canovas and Richelieu, both of the scarlet order, are to be commended; for an orange scarlet Pasteur is superior, while Malgache may almost be termed a yellow variety. For single bedders C. W. Ward, a round flowered and deep salmon colored variety is an advance in its class, and should become popular. Chateaubriand, a crimson scarlet, and De la Vigne, a deep red shaded with scarlet, are very fine varieties.

For pot culture—single varieties, Andrew Lang, scarlet with a white eye; Dorothy Burroughes, a delicate soft pink, and Oliver, a glowing scarlet with white center, can all be recommended. In the ivy leaf section Leopard stands out very distinct; the color is lilac pink and the upper petals are blotched with crimson, giving the flowers a very orchid-like appearance.

Mr. Ward is also making specialties of several desirable plants, some of which will be useful for commercial growing. Russelia elegantissima and R. multiflora are good subjects for large basket or urn planting in sheltered locations; they will also do well planted in a corner of a greenhouse or conservatory, where they may remain permanently, as they are perennial.

Browallia gigantea is another prettily flowered plant which should be very useful, either for the flower bed or for baskets and vases.

The yellow calla, Richardia Pentlandi, is well represented here, many flowers being in sight. Calla fragrans is also in fine shape, showing that dwarf free-blooming habit which makes it so desirable for house culture.

There is also a new asparagus which, for decorations where a Japanese effect is desired, will be invaluable; it is named A. retrofractus arboreus.

Carnations at Dailledouze Bros.

As to carnations, their correct cultivation, and to grow them to the full extent of their blooming qualities and still maintain in the plants their most healthy condition, one has but to see the carnation houses of Dailledouze Bros. at Flatbush, N Y. There are twenty-eight houses, most all of which are entirely devoted to the carnation. The varieties grown in quantity are Bradt and J. Whitcomb Riley, fancy; White Cloud and Flora Hill, white; G. H. Crane and Hector, red; Eldorado, yellow; Daybreak, Joost, Scott and Mrs. Jas. Dean, pink. A few others are also given a trial. There are several hundred seedlings of the firm's own raising, among them a white in its second season, which, if it retains its present good qualities, certainly has a great future.

And now as to No. 666. The color of this carnation may be described as the center being a mottled or flaked pink, shading to white; the petals are large and fringed, the center of the flower full and round; the stem is strong and well covered with foliage, the habit of plant all that one could wish, as also the blooming qualities, judging from the appearance of flowers and buds when seen on January 11, and they had been picked that morning. We must also say that it is the largest carnation we ever saw. Looking over the benches where it is growing the blooms seemed like medium-sized chrysanthemums. Many of these largest flowers are fertilized, crossed with some of the better varieties now growing, with the hopes of securing more colors with as good or even better qualities. We noticed, just coming up, some seedlings of this monstrous carnation, the seed of which had been gathered this season. Visitors are always gladly received and courteously treated, and, it being so near New York City, it will repay any one interested in these flowers to see the carnation farm of Dailledouze Bros.

D. B. V.

The American Carnation Society.

New Varieties Registered.

By TOM GREAVES, Montello, Mass.

THE CRAWFORD, in color variegated red and white, a sport from McGowan; has been growing four years and keeps getting better every year—a fine, clean grower, blooming all the season through.

THE COPLEY, a rich cerise, a sport from the Crawford; grown two years and has proven a splendid grower, being more robust than the Crawford.

ALBERT M. HERR, Secretary.
Lancaster, Pa.

Carnations at Chicago.

The carnation show held on the 19th inst., by the Chicago Florists' Club, was a grand success, there being staged no less than 125 vases of the divine flower. Taken as a whole, a marked improvement was noticed in the character of the new kinds exhibited, as well as in the very liberal display of the sorts now generally grown for the public market. It was a wise move to have the flowers staged by noon, so that those who live at a distance could see them, besides giving the judges a chance to pass on the exhibits by daylight. Visitors flocked in from the hour the exhibition opened to the close. The meeting was called to order at 8:30 p. m., when at least 100 florists were present.

Among visitors from out-of-town were: F. E. Dorner, Jr., Lafayette, Ind.; Mrs. John Taylor, Minneapolis, Minn.; H. J. Millatt, Kansas City, Mo.; W. B. Cresco, Ia; W. T. Symonds, Decorah, Ia.; Geo. A. Kuhl, Pekin, Ill.; W. R. Ferris, Princeville, Ill.; Wm. Dittmar, New Castle, Ind.; G. F. Crabb, Grand Rapids, Mich.; James G. Hancock, Grand Haven, Mich.; E. G. Hill, Richmond, Ind.; M. Zweifel, Milwaukee, Wis., and J. M. Smelly, Aurora, Ill.

Many notable exhibits of flowers other than carnations were also staged.

The new varieties attracting the greatest attention were E. G. Hill & Co.'s Mary Hill, a beautiful clear pink; Indiana, a grand full flowered red; J. Whitcomb Riley, California Gold and Ethel Crocker. Miller & Son, Toronto, Can., showed Lady Minto, a light variegated, and Lady Van Horne, a deep pink. John N. May's Olympia was notable for its size. Weber & Son's Genevieve Lord is a useful pink. From four different persons came pink sports of Armazindy that are likely to cut quite a figure in the market. Bassett & Washburn's seedling No. 1 is a very large white, with ear marks of its hali parent, McGowan; this firm also staged Chicago, or Red Bradt, in fine shape. Crabb & Hunter's Irene is a good thing. R. Witterstaetter's Estella is a grand dark red; Elinora, a white; Enquirer a pink that will go down to fame as having scored 100 points, and Opal, a shell pink—certainly a notable quartette of blooms.

F. Dorner & Sons showed Mrs. Bradt, White Cloud, Maceo, G. H. Crane, Morning Glory, a delicate pink, and seedling No. 18, a fine, clear deep yellow; No. 92, a large white; No. 100, a clear pink; No. 26, light pink; No. 68, a yellow striped; Nos. 6 and 7, red; No. 4, yellow, with purple stripes; No. 6, large white; No. 29, white shaded yellow; No. 58, deep pink, fine form; No. 13, white, long stiff stem, also a vase of mixed seedlings. J. F. Wilcox, Council Bluffs, Ia., staged American Beauty roses with 5-foot stems; also Bride, Bridesmaid, Meteor and Golden Gate, with 30 to 36-inch stems—a grand lot of flowers; besides 18 varieties of commercial carnations. J. C. Murray (Jas. Reeve, grower), Peoria, Ill., had six varieties of carnations and Princess of Wales violets. H. D. Rohrer, Lancaster, Pa., exhibited carnations—New York, Albertini and Lily Dean. Brown & Canfield, Springfield, Ill., had three dozen very fine Albertini. H. N. Bruns, a flat and vase of 14-inch stem lily of the valley, also samples of his pips. Mrs. E. T. Graves, Richmond, Ind., sent some noble White Cloud. Joseph Heinl, Jacksonville, Ill., had on exhibition a dozen large bulbs of Ismene calanthina, a white Summer blooming amaryllis, and said to be an excellent plant for florists to grow. The Chicago Carnation Co., Joliet, Ill., staged about 20 vases of grand flowers, including their Mrs. Potter Palmer, a cerise pink; Mrs. John J. Mitchell, large red; No. 48, a fine white; No. 55, a shell pink; Chicot, a delicate pink striped on white; No. 99, a vivid red striped; No. 32, Jubilee color; No. 99, improved Daybreak; No. 106, a large scarlet, the taking Genevieve Lord and Miss Higinbotham, a dark Daybreak color, the best of the whole bunch of seedlings; Crane, Maceo, Mrs. J. R. Robinson, Bradt, Chicago, Gold Nugget, Argyle and Byron L. Smith, which has been grown to 5¼-inch, a seedling pink very delicately penciled.

A. McAdam had exhibits of cattleyas in pots and vases; Schramm Bros. violets; Crabb & Hunter, Grand Rapids, Mich., Irene carnation and double white and blue violets; Anton Then, a large exhibit of well-grown carnations—Jubilee, Daybreak, Triumph, Chicago, White Cloud, Flora Hill, Evelina, Argyle, Scott, Tidal Wave and Lizzie McGowan; also a very fine group of six Primula obconica and twelve Baby primrose. John Felke sent carnations Argyle, Bradt, Melba, Armazindy, and a bunch of sweet peas.

The Lake Geneva Floral Co., of Lake Geneva, Wis., staged carnation Cathird. Stuart & Haugh, Anderson, Ind., sent a pink sport of Armazindy named Avondale. Wietor Bros. also had a pink sport of same variety; as also had M. Becker, and the Guardian Angel Orphan Asylum. J. B. Goetz, Saginaw, Mich., exhibited carnation seedling No. 1. The Logan Avenue Greenhouses, Danville, Ill., sent a sport of Rose Queen carnation; Philip Heilig, Jr., carnations Christmas Rose and J. C. Sibley. Ernst Asmus, West Hoboken, through J. C. Vaughan, staged Liberty rose.

G. A. Garland sent his greenhouse gutter; Vaughan's greenhouses, four seedling carnations—No. 1, a cerise pink; No. 2, a deep pink; No. 3, a yellow variegated; No. 4, of Mrs. Bradt type, but lighter.

The judges were E. Buettner, A. McAdam and F. F. Benthey, who awarded the club's certificate to Chicago Carnation Co.'s No. 55, a pink, which scored 85 points; Weber & Son's Genevieve Lord, 85 points; J. N. May's Olympia, 85 points; Weber & Son's pink seedling, 88 points, and a white, 87 points; Wietor Bros.' sport of Armazindy, 90 points; E. G. Hill and Co.'s California Gold, 85 points; Mary Hill, 95 points; Ethel Crocker, 88 points; Indiana, 90 points; J. W. Riley, 86 points; R. Witterstaetter's Enquirer, 100 points; Opal, 93 points; Estella, 93 points; Elinora, 93 points; Rosamond, 91 points; The Orphan Home's sport of Armazindy, 90 points; H. Becker's similar sport, 90 points; Crabb & Hunter's Irene, 92 points; Stuart & Haugh's Avondale, 90 points.

Honorable mention was awarded to Anton Then for carnations; to Fred. Dorner & Son's Co. for carnation Morning Glory, also for collection of seedlings; Chicago Carnation Co.'s seedling No. 48, white; No. 64, pink; Mrs. J. J. Mitchell, No. 106, red; to J. F. Wilcox, for carnations and roses; Omaha Florists' Club, for carnations; Lake Geneva Floral Co., Improved Tidal Wave; Brown & Canfield, for Albertini; H. D. Rohrer, for carnations New York, Lily Dean and Albertini; Miller & Son for carnations Lady Minto and Lady Van Horne; H. Weber & Son, for Genevieve Lord and seedling No. 30, pink, and No. 100, white; to J. C. Murray, for carnations and Princess of Wales violets; Philip Heilig, Jr., for six seedlings and vase of Christmas Rose carnations; to Bassett & Washburn for red Bradt and seedling No. 1, scoring 80 points; The Bohemian Cemetery for a seedling from Tidal Wave; Logan Avenue Greenhouses, sport from Rose Queen; J. B. Goetz, for red seedling; Mrs. E. T. Graves, for White Cloud; H. N. Bruns, for lily of the valley; A. McAdam, for orchids; John Felke, for four vases of carnations and vase of sweet peas; Schramm Bros., for violets, and Vaughan's Greenhouses, for vase of seedling carnations. ESS.

Chrysanthemums for Christmas.

Will the chrysanthemum ever become an important factor in the list of cut flowers for Christmas trade? This question suggests itself, on seeing them quoted in several cities during Christmas week at good, but not by any means phenomenal, prices.

I do not believe they will ever be grown in any great quantity, for the public see so much of chrysanthemums all through October and November that they begin to be tired of them before the season is over. Again, roses and carnations are offered in good condition by Christmas, making a greater variety of good flowers to choose from. Still, there is probably demand enough at Christmas to take care of all the chrysanthemum flowers that can be kept for it.

To get good flowers so late in the year requires rather different treatment than is given to earlier flowering stock. Cuttings may be rooted in July, or even August, and planted out in the usual manner. The object should be to keep the plants in a soft growing condition as long as possible. When they produce a terminal bud it must be "taken," because nothing else will come if it be rubbed off. A terminal bud will develop in a temperature anywhere above the freezing point, while a crown bud must not run below 45 to be safe. Take, then, the terminal bud and keep your house as cool as you possibly can.

If the flowers are fully developed by the first week in December, it will be the best plan to cut them and keep in a dark room in a low temperature. By changing the water frequently and taking a little off the end of the stem the flowers can be kept three weeks easily enough. The petals on flowers so treated are crisp and stiff and will often give more satisfaction than flowers cut directly from the plant.

In growing for late work it is most important to get naturally late varieties. In yellows, Bonnaffon, Lincoln and Bleman are most suitable; Bonnaffon for choice. In white, I would take Merry Christmas, and for a very late pink (which has hitherto been lacking) Smith's new Superba seems to fill the bill. It is useless to try and keep back early varieties, though I have taken cuttings of early kinds when they were flowering in October, rooted them and grown them on all Winter and had good flowers in April and May.

The chrysanthemum can be grown as a Christmas flower, or an Easter flower, but I am not prepared to say with how much financial success. IOWA.



A Florist's Automobile.

BRIEFS FOR BUSY FLORISTS.

A GOOD COLLECTION OF VINES or drooping plants is an absolute necessity where a general line of bedding is done, and if the stock of these is at all short they should be looked after at once, for, however well planted a vase or veranda box may be, if the drooping plants along the edge are not in keeping with the rest of the make-up, the whole effect is spoiled to a certain extent. Therefore, see that a choice lot of drooping plants are on hand when the time for planting arrives.

Among the suitable plants for low-standing urns, or medium-sized baskets, the following are the most useful: Ivy geraniums, double sweet alyssum, Abutilon vexillarium and lobelias. For larger effects there is a great variety—vincas, German ivy, Cobaea scandens, ipomoeas, maurandya, thunbergia and the tall-growing nasturtiums. All of these can be made useful and effective, and the majority of them can be had from seed.

WHERE FUCHIAS are still grown for Spring sales the last lot of cuttings should be put in now, otherwise only small flowering plants will result.

THE GERANIUM is yet the old stand-by for general bedding, and we cannot afford to neglect these any from this date until May. All the Fall rooted ones will now be in 3-inch pots, or if not, they ought to be. The stronger growers may be put down and a cutting made of the top; these will yet make nice stock by the first of June.

FANCY PELARGONIUMS must not be allowed to get root bound in the small pots; pot them on as they need it, and a much richer soil should be used than that given to the ordinary geranium. If green fly has attacked them get rid of it immediately or it will soon get such a foothold that eradication will be impossible without injuring the foliage. Fumigating with tobacco stems is about as effectual a remedy as has yet been found, as there are no flowers to be spoiled by the smoke.

A Florist's Automobile.

Our illustration shows a photograph of the automobile which Robert Crawford, Jr., Philadelphia, is now using, and which is probably the first auto in the retail florist's business. The machine is working very satisfactorily, and proving a great factor in the quick delivery of retail orders.

The two persons seen in the picture are Robert Crawford, Jr., and his son, Wm. Warren Crawford, who runs the auto. The photograph was taken in front of Crawford's store. DAVID RUST.

TOBACCO STEMS
"Good Strong Kind."
60 CTS. PER 100 LBS.
BALES WEIGH 500 LBS.
TOBACCO DUST
"THE BLACK STUFF."
Fine or Coarse to Your Order
50 to 1000 lbs., 2 cents per pound.
H. A. STOOTHOFF & CO.
154-156 W. 27TH STREET, N. Y. CITY.

Tobacco-Whale Oil Soap for syringing for washing plants. We Know its Goodness. All Seedsmen Keep it

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.
1730 CAMBRIDOE ST.
Mention the Florists' Exchange when writing.

ERICAS

Persoluta Alba, 4 in., per 100, $18; per 1000, $150.00.

Persoluta Rosea, 4 in., per 100, $18; per 1000, $150.00.

Well set with buds, can be brought into flower for February and March (Easter).

H. D. DARLINGTON, Flushing, L. I.
Mention the Florists' Exchange when writing.

Palms Cheap

	In. pots	In. high.	No. leav's	Price per 10	Price per 100
Areca Lutescens	4	15-15	2-3	$1 20	$11.00
" "	4½	18-20	3-4	1.60	15.00
" "	5	20-24	4-5	3 50	30.00
" "	6	28-32	5-6	5.50	50.00
Latania Borbonica	3	10-12	4-5	.65	5.00
" "	4	15-18	4-5	1.40	13 00
" "	5	18-20	4-5	3.50	32.00
" "	6	20-22	5-6	5.50	50.00
Corypha Australis	4	12-15	4-5	2 00	15.00
" "	5	18-20	5-6	4 00	35 00
" "	6	26-30	5-7	5 00	45.00
Chamærops Excelsa	4	12-15	4-5	2 00	15.00
" "	5	18-20	5-6	4.00	35.00
Chamærops Humilis Canariensis	4	15-18	4-5	2 00	
" "	5	20-24	4-5	4 50	
Seaforthia Elegans	4	15-18	3-4	1.30	13 00
" "	5	20-24	3-4	2.75	25 00

For other varieties and sizes see Wholesale List.

These plants are all strong and ready for larger pots. All orders must be accompanied by the cash. Address all orders to

W. J. HESSER, PLATTSMOUTH, NEB.
Mention the Florists' Exchange when writing.

BEDDING AND

Decoration Plants.

TWO CENT PLANTS, from 2 in. pots. Geraniums and Ferns in variety, Cyperus Alternifolius, Cuphea Ageratum and Lemon Verbenas.

FIVE CENT ROSES in 7 mixture, and cent Roses to name, from 4 in. pots. Also blooming varieties of Begonias.

PALMS—Latanias, fine plants from 7 in. pots, $1.00 each; Kentias, perfect plants, from 6 in. pots, $1.50 each; Seaforthia Elegans and Corypha Australis, from 5 and 6 in. pots, fine, 50c. and 75c. each; Cocos Weddeliana, from 3 in. pots, perfect plants, 15c. each; Nephrolepis Washingtoniensis, strong 4 in. pot plants, 50c. each; from 2½ in. pots, 4 for $1.00, free by mail.

For other Plants write.

5 per cent. discount for Cash.

N. STUDER, Wholesale Grower, **Anascotia, D. C.**
Mention the Florists' Exchange when writing.

THE BOSTON FERN

A SPECIALTY.

Only orders booked at $5.00 per 100; $40 per 1000.

L. H. FOSTER, 45 KING STREET, **Dorchester Mass.**
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ADIANTUM CUNEATUM

Strong 2½ in. plants, $3.00 per 100; $25.00 per 1000.

Fine plants, in 3½ and 4 in. pots, $6.00 per 100; $50.00 per 1000.

EDW. J. TAYLOR, Southport, Conn.
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HEADQUARTERS FOR

Palms and Ferns.

Fine, clean home grown stock; grown cool. Give us a trial order and be CONVINCED.

J. B. HEISS, The Exotic Nurseries, **Dayton, Ohio.**
SEND FOR PRICE LIST.
Mention the Florists' Exchange when writing.



It's nice a lasting gift to give,
Which appreciation earns;
Cut Flowers die, but plants will live,
Therefore buy
PALMS AND FERNS

Try a barrel of our **Pine Needle Soil,** for Palms and Ferns, price $1.50 Send for our catalogue.

THE GEO. WITTBOLD CO., Chicago.
1708 N. Halsted Street.
Mention the Florists' Exchange when writing.

LATANIA BORBONICA

4 inch pots	$2.50 per doz;	$20.00 per 100.
5 "	4.75 "	35.00 "
6 "	9.00 "	70.00 "
7 "	1.25 each, and fine specimen plants from $6.00 and upwards.	

Areca Lutescens, fine plants from $5.00 upwards.
Kentia Belmoreana and Forsteriana—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, well grown, from $2.50 and upwards.
Phœnix reclinata, 4 in. pots, 25c. each, $20 per 100; 5 in. pots, 40c. each, $35.00 per 100; 6 in. pots, 60c. each, $55.00 per 100; 7 in. pots, $1.25 each.
Phœnix Canariensis, Rupicola and Reclinata, fine specimen plants, from $3.00 to $5.00 each.
Cocos Weddelliana, from 2 in. pots, $1.50 per doz.
ASPARAGUS SPRENGERI 3 in. pots, $1.00 a doz. 5 in. pots, 25c. each.
JOHN BADER, Troy Hill, **Allegheny, Pa.**
L. D. TELEPHONE 872.
Mention the Florists' Exchange when writing

BOSTON FERNS

N. Exaltata Bostoniensis.
Small plants, $5 00 per 100; $40.00 per 1000; not less than 250 at 1000 rate. Large plants, $6.00 to $12.00 per 100.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $3.00 to $10.00 ea.
Areca Lutescens, 50c. to $3.00 each.
Latanias, from 75c. to $3.00 each.
Asparagus Plumosus, $1.00 to $1.50 doz.
Asparagus Sprengeri, 3½ in. pots, $1.50 per doz.
Asparagus Tenuissimus, 3½ in. pots, $1.25 per doz.

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. Connected with Telephone.
Mention the Florists' Exchange when writing.

PTERIS DEWEYANA.

A MOST desirable new fern, now offered for the first time, by the raiser, J. H. Ley. It is a most distinct cross between P. Cretica Alho-lineata and P. Serrulata. Habit dense and very dwarf; fertile fronds, erect, smooth and narrow, barren fronds very bright and beautifully undulated; produced in quantity, never rusts, hard, and grows very freely from spores.

12 fine plants,	3 inch pots	**$3.00**
100 "	"	**20.00**
12 good plants,	2 inch pots	**2.00**
100 "	"	**15.00**

Six latter mailed, $1.00. With balls of roots undisturbed.

JOHN H. LEY, Good Hope, - - WASHINGTON, D. C.
Mention the Florists' Exchange when writing.

Buffalo.

Trade News.

In floral circles a very modest quietness prevails; trade may honestly be called dull—no spurts whatever. The weather is aught but regular, being still mild, with mercury above the freezing mark quite continuous day and night, and rainy days alternating with pleasant ones. Flowers are not in any unduly large supply, though amply plentiful for all needs. The variety is good and improving.

Carnation Society Preparations.

Last week's club meeting, held on Wednesday evening, at Kasting's store, was given largely to pro and con discussions and action regarding the coming carnation meeting. The Genesee Hotel will be made headquarters, and the business meeting will undoubtedly be held there.

President Kasting has appointed the following committees: On arrangements: Cowell, Scott, Sr., Palmer, Jr., Keitsch and Adams. On entertainment: Kasting, Scott and Keitsch. Reception: Scott, Sr., Palmer, Sr., Anderson, Legg, Urban, Taylor, Long and Rebstock.

VIDI.

St. Louis.

Market Notes.

Business in general is not over fair, but the scarcity of stock is still on; this has been quite serious in some instances, retailers having hard work to fill orders, they having had to resort to borrowing from one another in some cases. Prices have gone up a point or two and are about as follows: Roses, 4c. to 10c.; carnations, 2c. to 4c.; Beauty, $6 per dozen; callas and Harrisii, 12½c.; valley, 3c.; smilax plentiful, at 12½c.; violets in good supply and go as low as 40c. per 100.

The weather now is bright and Spring-like.

Notes.

One of our wholesale men is puzzled at results of recent shipments of carnations to Texas. Using perfectly fresh stock and packing with more than ordinary care, it was reported from destination that the flowers arrived asleep. This state of affairs seems most common where goods are not sent C. O. D.

Tickets are out for the euchre party which will take place on the evening of February 23; 100 prizes are to be offered. Tickets may be had from the committee or the trustees of the Florists' Club. All florists and their friends are cordially invited.

C. C. S.

Boston.

Trade Items.

There is a great abundance of all kinds of seasonable stock and rather a limited demand. The finer grades move well at fairly good prices, but the poorer sorts, which are in much greater supply, do not clean up nearly so well, and many have to be sold at low prices.

American Beauty are very plentiful and, as a rule, very good, ranging from $4 to $16 a 100; No. 1 and extras go to $20 and $25, and specials, in limited supply, make $35 a 100. Bride and Bridesmaid, too, are plentiful and of good quality. Extras go as high as $12.50; Kaiserin and Carnot making about the same prices, the latter cleaning up well daily.

Carnations continue very plentiful and average about $1 a 100 to $1.50 for ordinary grades; choice stock bringing $2, and a few extras and fancies, $2.50 and $3. Narcissi are becoming quite, though not overplentiful, and prices hold up to $3 and $4 a 100 for single and double. Tulips are coming in with longer stems and better flowers, selling well at $1.50 to $3 a 100.

Violets are more plentiful and now make 75c. a 100 for good stock; extras, $1. Lilies are in good supply but do well at $8 and $10 a 100.

Delegates to Carnation Society Meeting.

William Nicholson, of Framingham, Mass., is now figuring for reduced rates for the Boston delegation to the Buffalo Convention of the American Carnation Society. The party is to leave on February 14, on the 3 p. m. train, over the Fitchburg R. R. Any one intending to take in this convention, with its exhibition, should write or see Mr. Nicholson with regard to joining the party.

F. J. N.

PANSY PLANTS, Largest flowering show varieties unsurpassed quality, fine, large stocky plants, $3.00 per 1000; 500 at 1000 rates.

GUSTAV PITZONKA, Bristol, Pa.
Mention the Florists' Exchange when writing.

TO CLOSE OUT A BUSINESS!

2500 **Niven Carnations**.....$3.00 per 100
5000 **Geraniums,** Bruant, S. White and Grant, 2½ in. pots..... 2.50 "
5000 **Carnation Cuttings,** Rose Queen. 1.00 "
500 **Mme. Salleroi** Geranium..... 1 00 "
200 **Adiantum Cuneatum,** 4 in. pots. 7 50 "
75 **Golden Ramblers,** two years old. 17.50 "

WASHINGTON PLACE GREENHOUSES,
NEWTOWN, Bucks Co., PA.
Mention the Florists' Exchange when writing.

Pansies Worth Raising

Good Plants, $4.00 per 1000; $2.50 per 500.

Extra Large Transplanted Plants in bloom, as good as in spring, $2.50 per 100.

☞F. O. B. Express here. Cash with order.

C. SOLTAU & CO., 199 Grand Ave., Jersey City, N. J
Mention the Florists' Exchange when writing.

SCHMIDT'S PANSIES Have no Equal.

Comprising the cream of all the Leading Strains, Large, stocky plants, 50 cents per 100; $3.00 per 1000; 10,000 for $25.00.

DAISIES (Bellis), strong plants of the largest double varieties, Longfellow and Snowball, 40 cts. per 100; $2.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.
Mention the Florists' Exchange when writing.

PANSIES

Large flowering strain, 50c. a 100; $2.50 a 1000.

Oxalis Floribunda, 2 in. pots, $2.50 a 100.
100 each Bride and Bridesmaid, 2½ in. pots, $2 50.
Geraniums, 16 vars., 2½ in. pots, $3.00 a 100.
Cash with order.

JOS. H. CUNNINGHAM, Delaware, Ohio.
Mention the Florists' Exchange when writing.

FERNS FOR DISHES.

Strong, 2 and 2½ in., $3 per 100; $27.50 per 1000.
Maranta Massangeana (will sell your fern dishes), $5.00 per 100; $40.00 per 1000
Asparagus Plumosus, strong, 2 in., $4.50 per 100; $40.00 per 1000.
Pteris Tremula, 3 in. pots, strong, $5.00 per 100. Terms, Cash or C. O. D.

C. MERKEL & SON, Mentor, Ohio.
Mention the Florists' Exchange when writing.

FERNS.

A fine assortment for florists use, from 2½ and 3 inch pots. Also

Selaginella Emmelinan, Cyperus Alternifolius, $3.00 per 100.
BABY PRIMROSES, from 3 inch, $4.00 per 100; from 4 inch, strong, $8.00 per 100.

J. G. EISELE, - Philadelphia, Pa.
20th AND ONTARIO STS.
Mention the Florists' Exchange when writing.

PANSIES

The Jennings Strain. 200,000 fine, stocky plants, from cold frames, varieties the finest, many are curled and fringed. 100 plants by mail, 60 cts.; 1000 plants by express, $3.50; large plants in bud, by express, $5 a 1000; extra fine Pansy blooms, by mail, 50c. a 100.

Pansy Seed of above, $1.00 per pkt.; $5.00 per oz. Separate colors in plants or seed if wanted.

Choice Mixed Gladiolus, all colors, 50 cts. per 100. Extra large **Scarlet Amaryllis Bulbs,** $6.00 per 100; medium size, $3.00 per 100.

Samples sent for 10 cts. Cash with order.

E. B. JENNINGS, Lock Box 254, **Southport, Conn.**
Grower of THE FINEST PANSIES.
Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

Extra fine 3 in. **Chinese Primrose** in bud and bloom, $4.00 per 100. **Asparagus Sprengeri and Plumosus,** 3 in., $8 00 per 100. **Rex Begonia,** 3 in., mixed $4.00 per 100. **Marguerite Daisy,** large flowering white, 2 in., $3.00 per 100. **Nephrolepis Cordata Compacta,** 2½ in., $4.00 per 100. **Kentia Belmoreana and Forsteriana,** 4 in., nice plants, 40c. each.

NEW CARNATION KITTATINNY.

A new money making carnation; a white sport from Daybreak. Any one can grow it that can grow Daybreak, as it is identically the same in every respect except color, which is pure white; and with me it is a stronger grower and larger flower, and as a first-class all-round white can't be outclassed. Stock limited, and orders will be filled in strict rotation. Price per 100 Rooted Cuttings, $6.00.

GEO. M. EMMANS, Newton, N. J.
Mention the Florists' Exchange when writing.

CHANGES IN BUSINESS.

HARRISBURG, PA.—The greenhouse of Thomas Winters, located near the Arsenal, has been purchased by Samuel Parker, general superintendent for the Melrose Floral Company.

KEWANEE, ILL.—Claud Hamilton has purchased a third interest in the greenhouse establishment operated by Hamilton & Plummer. The business will be conducted under the present firm name.

BILLERICA, MASS.—January 1, W. C. Phillips, combined with G. H. Dodge, both of Billerica, to form the co-partnership of Phillips & Dodge. The new firm has nearly completed a new greenhouse, 125x10, also new office and boiler house, and new system of heating throughout. It also expects to build two or more large houses in the Spring.

GERANIUMS Rooted Cuttings, most desirable double and semi-double bedders, and other fine single and doubles, $12.00 per 1000.
COLEUS, Verschaffeltii, Golden Bedder and Queen, $6 per 1000. Showy bright colors, fancy, $5 per 1000.
REPLANTED STOCK. Begonia Vernon, red and pink, $1.60 per 100 **Erfordii,** fine, best bloomer, $1.50 per 100. **Heliotropes** and **Sage,** $1.40 per 100. Choice **Verbena,** 60 cts. per 100. Fringed **Petunia,** best single, $1 20 per 100. **Pansies,** part in bloom, GIANT, 60 cts. per 100. BUCHET, 80 cts. per 100.
New **Italian Coleus, Double Petunia,** etc
Terms Cash. Send for List.
DANIEL K. HERR, Lancaster, Pa.
Mention the Florists' Exchange when writing.

GERANIUMS

A few thousand left in 2½ in. pots at $30.00 per 1000; $3.25 per 100. **S. A. Nutt, La Favorite, Richard Brett, Wilhelm Pfitzer, Mazet Delayas, J. M. Garr, Mrs. E. G. Hill, Alphonse Riccard, Wonder, Granville, Rev. Atkinson, Mme. Salleroi,** and **Rose Geraniums.**
Also, **Rose Geranium Cuttings,** $18 00 per 1000; $2.00 per 100.
COLEUS, Crimson Verschaffeltii and Golden Queen, $7.00 per 1000, 75 cts. per 100; 2 in. pots, $1.50 per 100. Coleus in variety, $5.00 per 1000, 60 cts. per 100; 2 in. pots, $1.25 per 100.
AGERATUM, Blue and White, 75c. per 100; Princess Pauline, $1.00 per 100.
GIANT ALYSSUM, $1.00 per 100.
SALVIA, Splendens and Bedman, $1.25 a 100.
HELIOTROPE, 6 vars., named, $1 a 100.
CUPHEA (Cigar Plant), $1.00 per 100.
FUCHSIAS, $1.50 per 100; 2½ in. pots, $3 00 per 100.
FEVERFEW, $1.50 per 100; $12.00 per 1000.
VINCAS, $1.25 per 100; $10.00 per 1000. 4 in. pot, $8.00 per 100; $70 per 1000. Fine plants.
The above are rooted cuttings, except when noted. Cash must accompany all orders.
J. E. FELTHOUSEN, Schenectady, N.Y.
Mention the Florists' Exchange when writing.

XX STOCK XX

CYCLAMEN Persicum Splendens Giganteum, a few hundred plants left, in bud and bloom, $1.20 per doz.; $10.00 per 100.
NOW READY—Cyclamen P. S. Giganteum, in 4 true colors, twice transplanted from flats, strong plants, $2 50 per 100; $20.00 per 1000.
CHINESE PRIMROSES Fringed foliage, finest market varieties, from 2½ in. pots, $2.00 per 100; from 3 in. pots, all in bud and bloom, in 7 colors, including blue, double white and red, well-grown plants, $4.00 per 100; from 4 in. pots, $6.00 per 100.
CINERARIAS By Max. Grau, from flats, twice transplanted, strong plants, $1.50 a 100.
PELARGONIUMS Best market varieties, from 3½ in. pots, $7.00 a 100; from 2½ in. pots, $3.00 a 100; rooted cuttings $2.00 a 100.
GERANIUMS Double Orast, S. A. Nutt, Gloire de France, $2.50 per 100.
CARNATION Cuttings. **25,000 well-rooted Daybreaks,** $1.25 per 100; $12.00 per 1000; **McGowan, Wm. Scott,** $1.00 per 100; $8.00 per 1000. All the above warranted A No. 1 Stock.
PAUL MADER, East Stroudsburg, Pa.
Mention the Florists' Exchange when writing.

GERANIUMS

Gettysburg, Bruant, La Favorite, Mrs. Taylor, Rose Walnut and others, in variety, 2 in., ready for shifting, 2½ cts.; R. C., 1½ cts.
Trailing Lantana, 2 in., 2½ cts.
Begonias, in variety, 2½ in., 2½ cts.
Vinca Major, 2¼ in., 2½ cts.
Boston Ferns, extra heavy, ready for shifting, 2½ in., 6 cts; 3 in., 10 cts.
Gnaphalium, 2 in., 2½ cts.; R C., 1½ cts.
Panicum Variegatum, 2 cts.
Achyranthes, 2½ cts.
Coleus, Blue and **White Ageratum,** R. C., 75 cts. per 100.
A. J. BALDWIN, Newark, Ohio.
Mention the Florists' Exchange when writing.

ALTERNANTHERA Red and Yellow, $4.00 per 1000, **Primroses** 3 and 3½ in., 75c. per dozen. **Latania Borbonica** 2½ in., $4.00 per 100.
E. I. RAWLINGS,
Wholesale Florist. **Quakertown, Pa.**
Mention the Florists' Exchange when writing.

CANNAS

Cash price per thousand, $10, $15, $20.
Lowest prices per hundred.
MIXED CANNAS Per 1000, $10.00.
40 varieties. List on application.
WILLIAM STUPPE, Hollis, L. I., N. Y.
Mention the Florists' Exchange when writing.

ORCHIDS

We are headquarters in the United States for established and imported Orchids.
Our new price list for 1900 is now ready.
Cherry Wood Baskets, Fresh Moss and Peat.
LAGER & HURRELL,
Correspondence Solicited. **SUMMIT, N. J.**
Mention the Florists' Exchange when writing.

New Early Yellow Chrysanthemum
WALTER MOLATSCH.
Three Certificates A.C.S. Ready March 1st, 1900. Price, 50c. each; $4.00 per doz.; $25.00 per 100.
For Sale by
DAILLEDOUSE BROS., Flatbush, Brooklyn, N. Y.
AND
H. A. MOLATSCH, - - - Brooklyn, N. Y.
68th St., bet. 8th and 9th Aves.
Mention the Florists' Exchange when writing.

CINERARIAS

For Easter Flowering.
From Beasy, Cannell and Sutton's prize show flowers saved, dwarf and semi-dwarf, giant flowered, finest shades and colors, fine, stocky plants, 2½ in., $2 per 100; $5.00 per 300. 3 in., $3.00 per 100.
SHELLROAD GREENHOUSE CO.
Grange P. O., Baltimore, Md.
Mention the Florists' Exchange when writing.

300,000 VERBENAS

60 finest named varieties, including our new
MAMMOTH WHITE MRS. McKINLEY.
The finest white Verbena grown.
Perfectly healthy. Free from rust.
Rooted cuttings, 60 cts. per 100; $5.00 per 1000.
Plants, $2 50 per 100; $20.00 per 1000.
Our list is the choice from millions of seedlings
Send for Circular.
J. L. DILLON, Bloomsburg, Pa.
Mention the Florists' Exchange when writing.

GAZANIA SPLENDENS

For Baskets, Beds and Borders.
Rooted Cuttings, $1.25 per 100; $10.00 per 1000.
February and March delivery.
CHAS. H. CAMPBELL,
Richland, San Diego Co., CAL.
Mention the Florists' Exchange when writing.

PELARGONIUMS

Excellent market varieties, free bloomers; Mme. Thibaut, Mme. Vibert, Duchesse of Edinburgh, La Vesuve, Victor, Marie Mallet, Lord Salisbury, Daybreak and Sunset, $4.50 per 100. Cash with order.
ADOLPH STAHL, Johnstown, Pa.
Mention the Florists' Exchange when writing.

FUNKIA LANCIFOLIA GREENLEAFED.

A fine hardy bordering plant. The spikes of Lavender-blue flowers are nice for funeral work, $2.00 per 100; $15.00 per 1000.
EULALIA striated, $2.00 per 100.
PANSIES, $4.00, $10.00 and $12.00 per 1000.
Would exchange for carnations or other stock needed.
W. C. JENNISON, Natick, Mass.
Mention the Florists' Exchange when writing.

CYCLAMEN PERSICUM GIGANTEUM

No finer strain on the market. Transplanted in flats, $2 00 per 100; $18.00 per 1000.
Forget-Me-Not, stocky pot plants, $2.00 per 100. Large clumps for bedding or dividing, $4.00 per 100.
Baby Primrose, in bud and bloom, $3.00 per 100.
Rudbeckia, Golden Glow, $3.00 per 100.
Double Petunias, in splendid mixture. Rooted cuttings, $1.00 per 100.
Alternantheras, 50 cts. per 100; $4.00 per 1000.
ORANGE FLORAL CO., West Orange, N. J.
Mention the Florists' Exchange when writing.

WE ARE HEADQUARTERS

For all the Best Novelties of the Season in
Chrysanthemums, Carnations, Cannas, and Geraniums,
CATALOGUE FREE ON APPLICATION.
NATHAN SMITH & SON, - - ADRIAN, MICH.
Mention the Florists' Exchange when writing.

ROOTED CUTTINGS!

Coleus, Crimson Verschaffeltii, Golden Bedder and Golden Queen	100 $0.75	1000 $6.00
In variety	.60	5 00
M. Salleroi Geraniums, from soil	1.25	10.00
Alternantheras, P. Major and A. Nana, from soil	.60	5.00
Ageratum, blue and white	.60	
" Princess Pauline	.75	
Cuphea (Cigar Plant)	1.00	
Double Petunias, 30 varieties	1.25	
Giant Alyssum	.60	
Heliotropes, 12 varieties	1.00	
" 2 inch pots	2.00	
Salvia Splendens and **Bedman**	1.00	

Plants by the 100, by mail, prepaid. Cash with order.
C. A. HARRIS & CO., DELANSON, N Y
Mention the Florists' Exchange when writing.

HARDY PINKS

Rooted Cuttings. Now Ready. 8 Sorts as follows:
HER MAJESTY—Giant white.
ALBA FIMBRIATA—White, fringed.
BRUNETTE—Pink, with maroon markings.
EARL OF CARLISLE—Variegated, maroon, rose and white.
JULIETTE—Cherryred, variegated pink and white.
GERTRUDE—White, maroon markings
LAURA WILMER—Pink with darker shadings, fringed.
MAY—Beautiful flesh pink, very fragrant.
$1.00 per 100 postpaid; $8 per 1000, by express.
SALVIA SPLENDENS COMPACTA—$1.00 per 100; $8.00 per 1000.
LADY HUME CAMPBELL VIOLET, CLEAN. NO DISEASE; Rooted cuttings from sand, 60c. per 100; $5.00 per 1000.
MADEIRA VINE ROOTS—75c. per 100 by mail; $4.00 per 1000 by express.
SATISFACTION GUARANTEED.
A. B. DAVIS & SON, Purcellville, Va.
Mention the Florists' Exchange when writing

AGERATUM Blue, true Dwarf. Rooted cuttings, by mail, 45c. per 100; $4.00 per 1000. 2 inch pots, bushy, $1.25 per 100.
GIANT YELLOW DAISY 2 inch pots, $1.25 per 100.
JONES AVENUE GREENHOUSES, Burlington, N J.
Mention the Florists' Exchange when writing.

DOUBLE PETUNIAS. OVER 75 VARS., NAMED.

I have the finest and largest collection in the country, an immense stock, and can fill all orders without delay.
Rooted Cuttings, by mail, $1.25 per 100. **Grandiflora,** single, 10 vars., $1.25 per 100.
"I saw the bloom of Mr. Hughes' petunias, both double and single, and they are very fine."
HENRY F. MICHELL.

Ivy Geranium, 12 vars	$1.50 per 100
Heliotrope, 16 vars	1.00 "
Ageratum, Princess Pauline	1.00 "
Gazania, splendens	1.50 "
Cuphea, Segar Plant	.75 "
Ageratum, White and Blue	.75 "
Abutilon, 4 vars., R. C.	1 50 "
Swainsona Galegifolia Alba, R. C.,	1.50 "
Fuchsias, 12 vars	1.25 "
Flowering Begonias, 12 vars.	1.50 "

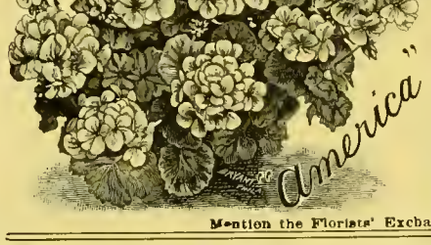
Cash with order, please.
GEORGE J. HUGHES, Berlin, N J.
Mention the Florists' Exchange when writing

VERBENA KING.



The largest Verbena grower in the world. Say, boys! we have them, too. None finer, the very best mammoth named vars. on earth at the following prices: 60 cents per 100; $5.00 per 1,000; 5,000 for $22.00; 10,000 for $40.00
Write for prices on larger lots.
NOTICE—We pay the express on all rooted cuttings, and guarantee satisfaction in every way.
That cash, please.
C. HUMFELD,
CLAY CENTRE, KANSAS.
Mention the Florists' Exchange when writing.

THE STORRS & HARRISON CO., Box 936, PAINESVILLE, OHIO.
Leading American Nurserymen, offer one of the Most Complete Assortments of
FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.
46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.
Mention the Florists' Exchange when writing.



New Ever-blooming Geranium
AMERICA

Finest grower for pots or bedding. Color, white, salmon and rose in full sun, color of Begonia Gl. de Lorraine.
Floriferousness Phenomenal
Strong plants, 50c. each; $5.00 per doz.
MARS 2½ inch pots, $5.00 per 100.
Set of Best 15 Novelties of 1899 Such as La Fraicheur, Emanuel Arene, Dryden, Southey, etc., for $2.00. This is the best bargain of the season. Plants guaranteed A1 in every respect.
CASH, PLEASE.
H. EICHHOLZ, Waynesboro, Pa
Mention the Florists' Exchange when writing

PRIMROSES FOR EASTER BLOOMING
2 in., $2.00 per 100.
ROOTED CUTTINGS.

GERANIUMS— Per 100
Mrs. Parker, Double Pink, Silver Leaf $4.00
Silver Leaf, Rose Scented 1.50
Mme. Salleroi 1.25
Double New Life, R. C. 4.00
Mrs. Pollock, Happy Thought, $2.00 per 100.
Bronze $1.50 per 100.
Mars, Freak of Nature, $3 a 100.
Assorted (common), $1.50 a 100.
Best varieties, $2.00 per 100.
Mme. Bruant, $2.50 per 100.
Mixed, $1.25 a 100; $12.00 a 1000.

Per 100
Manettia Bicolor $2.00
Vinca 1.50
Salvia 1.25
Heliotrope 2.00
Begonia Erfordii 2.00
Begonia, Rex 2.00
Begonia Inc. Gigantea 2.00
Impatiens Sultani 2.00
Forget-Me-Not (Winter Flowering) 2.00
Ageratum blue and white, 1.00
" Princess Pauline, 1.25
Alternantheras, red and yellow, Summer struck, $1 a 100; $9 00 per 1000.

Alternantheras, red and yellow, 60c. per 100; $5 per 1000.
Alyssum, Double Giant, $1.00 per 100.
Tradescantia Tricolor, $2.00 per 100.
Fuchsias, assorted, $1.50 a 100. Sun Ray, variegated red, white and green, $4.00 a 100. Trailing Queen, $1 50 a 100.
German Ivy, $1.25 a 100.
Lemon Verbena, $1.50 a 100.
COLEUS—
Fancy and large leaf $1.00
Separate colors .80
Mixed .60

Let us book your order now for the **BEST LATE WHITE 'MUM** for florists' use, rooted cuttings, $2.00 per 100.

PLANTS.

GERANIUMS— Per 100
Mrs. Parker $6.00
Happy Thought, 2½ in 4.00
Silver Leaf, 2½ in 4.00
Mrs. Pollock, 2¼ in 4.00
Forget-Me-Not (Winter Flowering) 2½ in 4.00
Mignonette, 2 in 2.00

BEGONIAS— Per 100
Rex, assorted, 2½ in $4.00
" named 6.00
Primrose, in bud, 2¼ in. 3.00
Primula Obconica, 2 in., $2 a 100; in flats, $1.50 a 100.
LEMON VERBENAS, $3.00, $4.00 and 6.00

Per 100
Anthericum, 3 in $6.00
Dracæna Indivisa, in flats 5 00
Manettia Bicolor, 2½ in. 4 00
Fragrant Calla, 2½ inch, 1.50 per doz.
Fragrant Calla, 4 inch, $3.00 per doz.

Terms, Cash or C. O. D. **GREENE & UNDERHILL, Watertown, N.Y.**
Mention the Florists' Exchange when writing.

J. K. ALLEN,
Wholesale Commission Dealer in
CUT FLOWERS
57 W. 28th Street, New York.
Orders by mail or telegraph promptly attended to. Telephone, 167 Madison Square.
Fine ROSES and CARNATIONS, Specialties.

W. S. ALLEN,
17 West 28th St., New York.
Correspondence Solicited.

BLAUVELT & GUTTMAN,
36 W. 27th St., NEW YORK.
Wholesale Commission Florists
Consignments of first-class stock solicited.
Orders by mail or telegraph receive the best of attention. PHONE 1290 Madison Sq.

CUT FLOWER EXCHANGE
404-412 E. 34th St., N. Y., near Ferry.
Open every Morning at 6 o'Clock A. M. for the Sale of Cut Flowers.
This is not a commission house; the market consists of individual stands.
Wall Space for Advertising Purposes to Rent.
J. DONALDSON, SECRETARY.

JULIUS LANG,
Wholesale Florist
53 WEST 30th ST.
Consignments Solicited. NEW YORK.

FRANK MILLANG,
Wholesale Commission Dealer in
CUT FLOWERS
408 E. 34th St., NEW YORK CITY.
Cut Flower Exchange.
Telephone Call, 299 Madison Square.

MOORE, HENTZ & NASH,
WHOLESALE
Commission Florists,
Located in Salesroom of the New York Cut Flower Co.
119-121 W. 23d St., New York.
Telephone 788 18th St.

THE NEW YORK CUT FLOWER CO.
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CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders

Carnations Roses
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Violets Valley

All Business is Running to Specialties
GEORGE SALTFORD
Makes a Specialty of
VIOLETS
At 50 West 29th St., New York.
Send Your Consignments. Tel. 1304 Madison Sq.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR NOVELTIES
Beauties, Meteors, Brides and Bridesmaids are the leaders.
The highest grade of... VALLEY always on hand...
ORCHIDS A SPECIALTY.
JAMES McMANUS, Telephone, 759 Madison Square, 50 W. 30th St., NEW YORK

"Always Ready to Receive Fine Stock."
VIOLETS ROSES W. H. GUNTHER, Wholesale Florist, Carnations ORCHIDS
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WALTER F. SHERIDAN,
Wholesale Commission Dealer in CUT FLOWERS
39 W. 28th STREET, NEW YORK.
Receiving Extra Quality AM. BEAUTIES and all other varieties of Roses.
TELEPHONE 902 MADISON SQUARE. CARNATIONS.

...Wholesale Prices of Cut Flowers...

	Names and Varieties	Chicago Jan. 24, '00	St. Louis Jan. 23, '00	Cincinnati Jan. 23, '00	Milwaukee Jan. 22, '00	Pittsburg Jan. 23, '00	Toronto Jan. 23, '00
Roses	A. BEAUTY, fancy—special.	45.00—50.00	....—	....—	35.00—50.00	45.00—50.00	35.00—40.00
	" extra	30.00—35.00	35.00—50.00	....—	20.00—25.00	25.00—35.00	25.00—30.00
	" No. 1	15.00—25.00	20.00—30.00	....—	12.50—15.00	10.00—15.00	10.00—15.00
	" Culls & ordinary	5.00— 8.00	5.00—15.00	....—	4.00— 8.00	5.00— 8.00	....— ....
	Bride	4.00— 8.00	5.00— 8.00	5.00— 7.00	6.00— 8.00	3.00—12.00	2.00—12.00
	Bridesmaid	4.00— 8.00	8.00— 8.00	8.00— 7.00	8.00—10.00	3.00—12.00	2.00—12.00
	Hoste	....—	....—	....—	....—	....—	2.00— 8.00
	Jacqueminot	....—	....—	....—	....—	....—	....— ....
	K. A. Victoria	....—	....—	....—	8.00— 8.00	....—	....— ....
	La France	4.00— 6.00	....—	....—	....—	....—	....— ....
	Mermet	....—	....—	....—	....—	....—	2.00—12.00
	Meteor	4.00—10.00	6.00— 8.00	4.00— 8.00	8.00—10.00	4.00—12.00	3.00—12.00
	Mrs. Pierpont Morgan	....—	....—	....—	....—	....—	3.00—10.00
	Niphetos	....—	....—	....—	....—	....—	2.00— 5.00
	Papa Gontier	....—	....—	....—	....—	....—	....— ....
	Perle	3.00— 6.00	4.00— 6.00	3.00— 5.00	8.00— 8.00	3.00— 6.00	2.00— 8.00
	Souv. de Wootton	....—	4.00— 6.00	....—	....—	....—	2.00—10.00
	ORCHIDS—Cattleyas	40.00—50.00	....—	....—	....—	....—	25.00—30.00
	Cypripediums	12.00—15.00	....—	....—	....—	....—	10.00—12.00
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	Inf'r grades, all colors	.75— 1.00	....— 1.00	.... — 1.00	1.50— 2.00	.50— .75	1.25— 2.00
	STANDARD VARIETIES White	1.00 1.50	1.50— 2.00	1.00— 2.00	1.50— 2.00	1.00— 1.50	2.00— 4.00
	STANDARD VARIETIES Pink	1.00— 1.50	1.50— 2.00	1.00— 2.00	1.50— 2.00	1.00— 1.50	2.00— 4.00
	STANDARD VARIETIES Red	1.50— 2.00	1.50— 2.00	1.00— 2.00	1.50— 2.00	1.00— 1.50	2.00— 4.00
	STANDARD VARIETIES Yel.&Var.	1.50— 2.00	1.50— 2.00	....—	3.00— 4.00	1.00— 1.5	2.00— 4.00
	*FANCY— White	3.00— 4.00	2.50— 3.00	2.00— 4.00	3.00— 4.00	2.00— 3.0	4.00— 5.00
	*FANCY— Pink	3.00— 5.00	2.50— 3.00	2.00— 4.00	3.00— 4.00	2.00— 3.00	4.00— 5.00
	*FANCY— Red	3.00— 5.00	2.50— 3.00	2.00— 4.00	3.00— 4.00	2.00— 4.00	4.00— 5.00
	*FANCY— Yel.&Var.	3.00— 4.00	2.50— 3.00	2.00— 4.00	3.00— 4.00	2.00— 3.00	4.00— 5.00
	NOVELTIES	....—	....—	....—	....—	....—	4.00— 5.00
	ADIANTUM	.75— 1.00	1.00— 1.25	....— 1.00	....— 1.00	1.00— 1.25	.50— 1.00
	ASPARAGUS	50.00—60.00	....—	....—	....—80.00	35.00—50.00	20.00—50.00
	CALLAS	5.00— 8.00	10.00—15.00	....—10.00	10.00—12.50	....—	6.00—10.00
	HYACINTHS	2.00— 3.00	2.00— 3.00	2.00— 3.00	....—	1.50— 2.50	2.00— 3.00
	LILIES	12.00—15.00	....—	....—10.00	....—	15.00—20.00	....— ....
	LILY OF THE VALLEY	3.00— 5.00	....— 4.00	4.00— 5.00	....—	3.00— 4.00	2.00— 3.50
	MIGNONETTE—ordinary	2.00— 3.00	....—	....—	....— 2.00	1.50— 2.00	....— ....
	" fancy	4.00— 8.00	....—	....—	....— 3.00	3.00— 4.00	....— ....
	NARCISSUS	2.00— 4.00	2.00— 3.00	....— 3.00	....—	2.00— 3.00	2.00— 3.00
	SMILAX	12.00—15.00	10.00—15.00	12.50—15.00	....—15.00	12.00—15.00	....—12.50
	SWEET PEAS	....—	....—	....—	....—	....—	....— ....
	TULIPS	2.00— 5.00	1.50— 2.00	....—	....—	3.00— 4.00	1.00— 3.50
	VIOLETS	.50— .75	....—	....— .75	....— .50	.50— .75	.40— 1.25
	VIOLETS—special	1.00— 1.50	.50— .50	....— 1.00	....— 1.00	1.00— 1.50	....— 1.50

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

BOSTON, MASS.
Asparagus Plumosus, Orchids, Mignonette, Brides, 'Maids, American Beauties
WELCH BROS.
PROPRIETORS
CITY HALL CUT FLOWER MARKET,
15 PROVINCE ST. — 9 CHAPMAN PL.
Kaiserins, Meteors, Carnots, Violets, Valley, Carnations
Can furnish at short notice. Prices according to quality of goods. Long Distance Telephone, 2161 and 2071.

SAMUEL S. PENNOCK,
Wholesale Florist
UNTIL FURTHER NOTICE
This Establishment will be Open from 6 a. m. to 11 p. m.
AM. BEAUTIES and VALLEY Our Specialties.
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We have a fine grade of everything in market at present. Send us a Trial Order and we will do the rest.
EDW. C. HORAN,
47 West 28th Street,
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Receiving Daily Fine PRES. CARNOT, KAISERINS, METEORS, BEAUTIES, Etc.
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TRAENDLY & SCHENCK,
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33 W. 28th St. and CUT FLOWER EXCHANGE,
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Consignments Solicited.

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51 WEST 28th ST.,
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CYCAS PALM LEAVES Always on Hand.

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Orchids. Roses. Carnations.
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Telephone 1735 MAIN.

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Cut Flowers at Wholesale,
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TELEPHONE 939 MAIN.

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N. F. McCarthy & Co.
FLORISTS' VASES.
Horticultural Auctioneers.
84 HAWLEY STREET, BOSTON.

Headquarters in Western New York
—FOR—
ROSES, CARNATIONS
And all kinds of Seasonable Flowers.
GIVE US A TRIAL

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WM. F. KASTING, 481 Washington Street, Buffalo, N. Y.
Wholesale Commission Florist
Also Dealer in Florists' Supplies & Wire Designs.

WM. J. BAKER,
Wholesale Florist,
1432 So. Penn Square,
PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

DUMONT & CO.,
WHOLESALE FLORISTS
CARNATIONS A SPECIALTY.
No. 1805 Filbert St., Philadelphia.
'PHONE, 3922 D.

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Wholesale Florist,
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Consignments of First-class Stock Solicited.
Valley in quantity. Telephone connection.

GEO. M. MOSS,
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32 South 17th St., PHILADELPHIA, PA.
Long Distance 'Phone, 1430 D.
Consignments of choice ROSES, CARNATIONS, VIOLETS solicited.
Fine VALLEY in stock at all times.

LEO NIESSEN,
Wholesale Florist
N. W. Cor. 13th and Filbert Sts.
Long Distance Phone 3-45-94 D. Philadelphia.
Consignments of Choice Valley and Roses Solicited.

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Wholesale Florist
1526 Ranstead St., PHILADELPHIA,
Bet. Market and Chestnut Sts.
CHOICEST STOCK ALWAYS ON HAND.
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J. B. DEAMUD,
Successor to Illinois Cut Flower Co.
Wholesale Cut Flowers
CONSIGNMENTS SOLICITED.
51 and 53 Wabash Ave., CHICAGO.

BASSETT & WASHBURN,
Wholesale Dealers and Growers of
CUT FLOWERS
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Greenhouses at Hinsdale, Ill.
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OFFICE AND SALESROOM,
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Headquarters for AMERICAN BEAUTIES.

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CUT FLOWERS AND FLORISTS' SUPPLIES.
No. 67 Bromfield St. and 18 Chapman Place, BOSTON, MASS.

ASPARAGUS PLUMOSUS NANUS CUT STRINGS, 8 feet long, 50 Cents per String. Shipped to any part of the country.
W. H. ELLIOTT, - Brighton, Mass.

McKELLAR & WINTERSON,
Wholesale Commission Jobbers
In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work.
45, 47, 49 WABASH AVENUE, - - CHICAGO, ILL.

...Wholesale Prices of Cut Flowers...

	Names and Varieties	New York Jan. 26, 1900	Boston Jan. 25 1900	Philadelphia Jan. 25 1900	Baltimore Jan 16, 1900	Buffalo Jan. 24, 1900
Roses	A. Beauty, fancy—special	35.00 to 50.00	30.00 to 35.00	50.00 to 65.00	.... to	35.00 to 60.00
	" extra	20.00 to 30.00	20.00 to 25.00	25.00 to 40.00	30.00 to 40.00	25.00 to 35.00
	" No. 1	10.00 to 20.00	12.50 to 16.00	25.00 to 30.00	16.00 to 25.00	15.00 to 25.00
	" Culls & ordinary	2.00 to 8.00	4.00 to 8.00	10.00 to 15.00	6.00 to 10.00	5.00 to 10.00
	Bride	2.00 to 15.00	2.00 to 12.50	4.00 to 10.00	4.00 to 6.00	3.00 to 10.00
	Bridesmaid	2.00 to 15.00	2.00 to 12.50	4.00 to 10.00	4.00 to 6.00	3.00 to 10.00
	Hoste	.... to	.... to	.... to	.... to	.... to ....
	Jacqueminot	.... to	.... to	.... to	.... to	.... to ....
	K. A. Victoria	4.00 to 8.00	2.00 to 12.50	4.00 to 10.00	4.00 to 6.00	.... to ....
	La France	3.00 to 6.00	.... to	3.00 to 10.00	4.00 to 6.00	.... to ....
	Mermet	.... to	.... to	.... to	.... to	.... to ....
	Meteor	2.00 to 10.00	3.00 to 10.00	4.00 to 10.00	.... to 8.00	3.00 to 10.00
	Mrs. Pierpont Morgan	2.00 to 6.00	.... to	.... to	.... to	.... to ....
	Niphetos	.... to	.... to	.... to	.... to	3.00 to 5.00
	Papa Gontier	.... to	.... to	4.00 to 6.00	3.00 to 4.00	3.00 to 5.00
	Perle	2.00 to 6.00	2.00 to 6.00	3.00 to 5.00	3.00 to 6.00	3.00 to 5.00
	Souv. de Wootton	.... to	.... to	.... to	.... to	3.00 to 5.00
	Orchids—Cattleyas	25.00 to 60.00	25.00 to 35.00	.... to 50.00	.... to	.... to ....
	Cypripediums	.... to 12.50	10.00 to 12.50	.... to	.... to	10.00 to 18.00
	Dendrobium formosum	15.00 to 25.00	.... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	.75 to 1.00	.... to	.50 to .75	1.00 to 1.25	.75 to 1.00
	Standard Varieties White	.75 to 2.00	1.00 to 1.25	1.00 to 1.25	1.50 to 2.00	1.00 to 2.00
	Standard Varieties Pink	.75 to 2.00	1.00 to 1.25	1.00 to 1.25	1.50 to 2.00	1.00 to 2.00
	Standard Varieties Red	.75 to 2.00	1.00 to 1.25	1.00 to 1.25	1.50 to 2.00	1.00 to 2.00
	Standard Varieties Yel.&Var.	.75 to 2.00	1.00 to 1.25	1.00 to 1.25	1.50 to 2.00	1.00 to 2.00
	"Fancy" (The highest grades of standard var) White	3.00 to 5.00	.... to 1.50	1.50 to 2.50	2.50 to 3.00	2.00 to 4.00
	"Fancy" (The highest grades of standard var) Pink	3.00 to 5.00	.... to 1.50	1.50 to 2.50	2.50 to 3.00	2.00 to 4.00
	"Fancy" (The highest grades of standard var) Red	3.00 to 6.00	.... to 1.50	1.50 to 2.50	2.50 to 3.00	2.00 to 4.00
	"Fancy" (The highest grades of standard var) Yel.&Var.	3.00 to 5.00	.... to 1.50	1.50 to 2.50	2.50 to 3.00	2.00 to 4.00
	Novelties	10.00 to 15.00	2.00 to 3.00	3.00 to 5.00	.... to	.... to ....
	Adiantum	.... to 1.00	.50 to .75	.75 to 1.00	.... to 1.00	.75 to 1.25
	Asparagus	35.00 to 50.00	.... to 50.00	35.00 to 50.00	25.00 to 75.00	30.00 to 60.00
	Callas	5.00 to 6.00	8.00 to 10.00	8.00 to 10.00	6.00 to 10.00	10.00 to 15.00
	Hyacinths	.75 to 1.00	1.00 to 1.50	1.00 to 2.00	.... to	1.00 to 3.00
	Lilies	10.00 to 12.50	8.00 to 10.00	.... to	.... to	.... to 20.00
	Lily of the Valley	1.00 to 3.00	2.00 to 4.00	2.00 to 4.00	... to	2.00 to 3.00
	Mignonette—ordinary	2.00 to 4.00	1.00 to 2.00	1.50 to 2.00	.... to	.... to ....
	Mignonette—fancy	5.00 to 8.00	3.00 to 4.00	3.00 to 4.00	1.50 to 3.00	3.00 to 5.00
	Narcissus	1.00 to 2.00	1.00 to 3.50	2.00 to 3.00	.... to	.... to ....
	Smilax	8.00 to 10.00	8.00 to 12.00	.... to 15.00	12.50 to 25.00	15.00 to 20.00
	Sweet Peas	.... to	.... to	.... to	.... to	1.50 to 2.00
	Tulips	2.00 to 3.00	2.00 to 4.00	.... to	.... to	4.00 to 6.00
	Violets	.35 to .60	.60 to .75	.25 to .35	.50 to .75	.50 to .75
	Violets, special	.75 to 1.00	.... to 1.00	.75 to 1.50	.... to	1.00 to 1.50

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

HOLTON & HUNKEL CO.,
WHOLESALE FLORISTS
AND Fflorists' SUPPLIES.
Manufacturers of Wire Designs.
457 Milwaukee St. MILWAUKEE, WIS.
'Phone Main 874. P. O. Box 103.

Wholesale Cut Flowers
...and...
Florists' Supplies.
C. C. POLLWORTH CO., Milwaukee, Wis.

We are the Distributing Agents of the Largest, Best and Most Reliable Growers in this vicinity.

PITTSBURGH CUT FLOWER CO. LTD. FORT PITT A.D. 1763 COL. BOUQUET PITTSBURGH, PA.

ASPARAGUS PLUMOSUS NANUS
CUT STRINGS, 8 feet long,
35 to 50 cts. per String.
Shipped to any part of the country.

504 Liberty St.
FLORISTS' SUPPLIES.

Roses, Carnations, Violets, Valley, Sprengeri, Smilax, Calax, Ferns, Wild Smilax,

Mention the Florists' Exchange when writing.

C. A. KUEHN,
WHOLESALE FLORIST,
1122 Pine St., St. Louis, Mo.
A COMPLETE LINE OF WIRE DESIGNS.

E. G. HILL & CO.
Wholesale Florists
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CARNATIONS AND VIOLETS.
FRESH CUT FLOWERS
Direct from grower. Orders filled on short notice. Long Distance Telephone.
Princess of Wales Violet Plants,
from 2½ in. pots, $2.00 per 100.
EVENDEN BROS., Williamsport, Pa.
Mention the Florists' Exchange when writing.

GRAND SMILAX.
Cut Strings 6 to 8 feet long.
Mrs. Fisher Carnations, fine Summer bloomer, from soil, $1.00 per 100; 2½ in. pots, $2.00 per 100.
CHRYSANTHEMUMS
Merry Xmas. Latest White. 2 in. pots.
Montmort. Early Pink. $2.00 per 100.
Merry Monarch. Early White.
Bonnaffon, the money maker.
Cash with order. WM. KEIR, Pikesville, Md
Mention the Florists' Exchange when writing.

Unequaled Varieties **VERBENAS** Vigorous Stock.

	100	1000
Best Mammoths, strong pot plants	$3.00	$25.00
" " rooted cuttings	1.25	10.00
Older " "	1.00	8.00
" " strong pot plants	2.50	20.00

ROOTED CUTTINGS **CARNATIONS** VIGOROUS STOCK
General Maceo, G. H. Crane, $6.00 per 100 $50.00 per 1000
America, Melba, Gen. Gomez, Mrs. G. M. Bradt, 75c. per doz.; $5.00 per 100; $40.00 per 1000.
White Cloud, Gold Nugget, $4.00 per 100; $30.00 per 1000.
Bon Ton, New York, Jubilee, Frances Joost, $2.50 per 100; $20.00 per 1000.
Armazindy, Flora Hill, Eldorado, Daybrenk, John's Scarlet, Sea Shell, Victor, $2.00 per 100; $15.00 per 1000
Alaska, Lizzie McGowan, Wm. Scott, Partia, $1.50 per 100; $12.00 per 1000.

Rooted **CHRYSANTHEMUMS** Cuttings
Send for list of 90 best Varieties.

CYCLAMEN GIGANTEUM.
From 3 inch pots, in bud, $8.00 per 100
" 3½ " " 10.00 "

Strong Tubers **CANNAS** DORMANT.
Alphonse Bouvier, Florence Vaughan, Doyen J. Sisley, F. R. Pierson, Italia, Burbank, Souv. de A. Crozy, John White, Pierson's Premier, Comte de Bouchard, Papa, Pres. McKinley, $3.00 per 100; $25.00 per 1000.
Chas. Henderson, Paul Marquant, Paul Bruant, Austria, Thos. S. Ware, Crcole, $2.50 per 100; $20.00 per 1000.

ROSES.
Bridesmaid, Hon Silene, Catherine Mermet, Duchess of Albany, Golden Gate, La France, Maid of Honor, Niphetos, Perle des Jardins, Pres. Carnot, Sunset, The Bride, Wootton, from 2½ in. pots, $5.00 per 100, $40.00 per 1000.

MISCELLANEOUS.

	100	1000
Anthemis, Double Golden Marguerite	$2.00	
Ageratum, blue and white	1.00	$8.00
" Princess Pauline	1.50	
Coleus, all leading sorts	1.00	8.00
Fuchsias, double and single	2.00	15.00
Feverfew	1.50	12.00
Heliotrope, light and dark	1.25	10.00
Impatiens Sultani	2.00	
Moon Vines, true	2.00	15.00
Salvias, Splendens and Bedman	1.25	10.00

TRADE LIST ON APPLICATION.
WOOD BROS., Fishkill, N. Y.
Mention the Florists' Exchange when writing.

COMMERCIAL VIOLET CULTURE *Now Ready For Delivery.*
See Advt., Page 92.

Hamilton, Ont.

Cut flower business has picked up again since the holidays, and the quality in all lines averages very good. There has been considerable design work lately using up all the odds and ends. On the 18th inst. the Central Market presented a rather unusual appearance for this time of the year; three or four of the growers were on hand with palms, ferns, bulbons stock, etc. The remains of the snowbanks on one hand and the fresh flowering plants on the other was unique; the glass was all right, however, nothing suffered and business was very fair. At John Morgan's I saw a fine batch of kentias. John Fox is well stocked with suitable goods, all in good shape. G. N. Sones has some belated chrysanthemums; they are selling still. A yellow sport from Waban seems extra fine for a late variety. At E. G. Brown's they are flowering the new rose Lady Dorothea; it is troubled with a form of blight, as Perle is affected in exactly the same way; however, the trouble is attributed to conditions not to the constitution of the Dorothea, which is giving good accounts of itself in other places.

At E. J. Townsend's, geranium Hermine, double white, is a prime favorite for Winter flowers. Mr. Townsend has been ailing since Christmas, and is at present but very little improved in health. Ed., Jr., has his hands full, working up the Spring stock. BEAVER.

Montreal.

Trade Reports.

The past week has been of the dullest description; with the exception of a few small teas there has been nothing to clear up the surplus stock. All big social affairs are being postponed until the present critical stage of the proceedings in South Africa is passed, but a revival in trade activity is confidently expected very soon.

Club Notes.

The annual meeting of the club was held Monday evening, and a most encouraging number of members was present. Reports of the treasurer and secretary were favorable only, with regret they reported a shrinkage of membership during the past two years; but the zero point has now been passed, and a rapid rise to the old position is assured. A hearty vote of thanks was accorded to Alfred C. Wilshire, the retiring president, for his untiring efforts on behalf of the club during his term of office. After six years in harness the secretary, who has removed from the direct center of the club's activity, was reluctantly compelled to retire. The club will suffer no loss from this change as W. Horobin, Jr., three years assistant secretary, was unanimously elected to the position. The new Board is as under: President, Geo. A. Robinson; first vice-president, A. Pinoteau; second vice-president, Walter Whiting; treasurer, Walter Wilshire; secretary, W. Horobin, 130 Tupper street; assistant secretary, Fred. Bennett. Executive Committee—John Walsh, James McKenna, John Eddy, William Wilshire, C. A. Smith and W. Hall. B.

Washington.

At the cabinet dinner given by Secretary of the Treasury to the President, the decorations were composed of the rose Ivory (the American Rose Company's sport of Golden Gate) and their new winter-blooming coral-red begonia. This begonia is one of the most effective flowers for table decoration, and is receiving a flattering reception in social circles.

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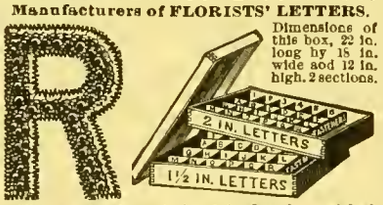

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Trade is Rather Slow.

Business has been rather slow, with stock coming in quite plentifully. Roses and carnations seen in many of the stores are very good, but there are also many poor carnations around. Violets are in good supply, many of them of very fine quality. The Princess of Wales is certainly the best single seen here yet, and though not perhaps quite so prolific as California, it sells so much better that all growers who want to be up to date must have it. Tulips in several colors are seen around, but the greater part of them are not of No. 1 quality. The plant trade is fairly good for this season of the year.

Society Meetings.

The January meeting of the Gardeners and Florists' Association was a good one, about 40 members being present. Mr. Joy, the new president, was in the chair. The Executive Committee reported that J. Chambers would be their chairman for the year; that it was advisable to have the annual banquet on February 7; that they had arranged a program for the meetings for the year, which was now printed; and that a deputation of the members had attended the funeral of Mrs. Dale at Brampton. The report was adopted. A vote of condolence to Mr. Dale was passed and a committee appointed to draw up and send to Mr. Dale and his family a resolution embodying our sympathy with them in their great loss.

It was decided to hold a carnation meeting in March, and it was thought advisable to invite the Horticultural Society to take part in it also. By so doing we can have the big hall and put up a first-class show. John Riggall read a very instructive paper, setting forth the necessity of watching the benches, for what is profitable and what is unprofitable to grow in our business, advising all to go over their stock oftea and throw away non-paying material. Mr. Riggall was tendered a hearty vote of thanks.

John H. Dunlop was appointed the association's representative to the Industrial Exhibition, and the secretary was instructed to ask the directors to allow us in future two representatives.

The annual meeting of the Toronto Electoral Division Society was an event that was of considerable interest to a good many of us. The society has been practically doing nothing to justify its existence for some years, except to send its directors as delegates to the Industrial Exhibition Association. We think something more should be done, so at the annual meeting there was a large turnout of members, and the directors got quite a shake up. A ticket was quietly agreed on and we succeeded in electing all but one of our men. We expect the new blood on the Board will stir up things a little and that considerable good will result from the change. The officers elected are: President, P. G. Close; first vice-president, B. Saunders; second vice-president, R. J. Scoor. Directors—J. J. Withrow, J. Chambers, Alderman Dunn, G. Gooderham, G. Leslie, Jas. Oliver, H. Simmers, R. Davies and T. Manton. A motion that the directors should draw up a constitution and by-laws, and report the same to a meeting of the society in less than two months, was adopted.

The annual meeting of the Toronto Horticultural Society was held on the 10th inst. The treasurer's report showed the society to be in a good financial condition. A notice of motion was discussed to the effect that the constitution be so altered that the president and vice-presidents hold their offices for more than one year. The motion was defeated. The officers elected for the coming year are: President, E. Tyrell; first vice-president, T. McQueen; second vice-president, E. Collins. Directors—Mr. Ross, Dr. Orr, Dr. Hamilton, Mr. Watkins, Mr. Lucas, A. G. Chambers and H. Simmers.

T. M.

Paterson, N. J.

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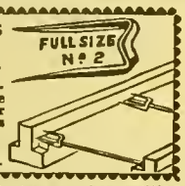

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Trade Notes.

A very fair trade has been doing since last writing, and the supply of flowers has not been more than enough to meet requirements; dealers reported a very good business for last week, and from reports gathered to-day (Tuesday) trade is fully up to the average for the present season of the year. There is considerable demand for funeral work, and this, with many small decorations, consumes pretty much all of the stock offered by local growers. The dull weather of last week shortened up the supply to a great extent, and at this writing all good stock finds ready market; choice roses in particular are in good demand and the market is firm; present quotations are: $4 to $6 for ordinary, $7 and $8 for best stock, the former being the ruling price; fancy stock has within the past few days brought as high as $10. Carnations are offered freely, but there does not seem to be any overstock; prices now ruling are $1.50 to $3, according to grade; fancy varieties are in short supply and move readily at higher figures. Romans and Paper Whites are seen in large quantites and form an important part of all made-up work, and although this stock is offered in abundance, there is none that goes to waste; $2 and $3 are the ruling prices for good stock, while poor grades do not bring over $1.50. Violets are not offered very freely by local growers; what is brought in by them moves at about $1; most of the stock used here is the product of Eastern growers. Tulips are coming in in small quantities, but are still short in stem, and on this account are not much sought after; there is not, as yet, any established price on them. Valley is offered in limited quantities, and sells at $4 per 100. Sweet peas are offered by a few growers, but as is the case with tulips there is no established price on them. Freesias are coming in in small lots, and growers realize $3 for best blooms.

Plant sales are quiet; azaleas are in good supply, but meet with slow sale; those now offered are not of extra quality. Retail prices range from $1.50 to $4 per plant.

Retail Prices.

Retail prices of cut flowers are as follows: Roses, $1 and $1.50 per dozen for ordinary, $2 and $2.50 for best. Carnations, 35c. to 50c. per dozen; extras and fancy varieties, 75c. and $1; violets, $2.50 and $3 per 100. Romans and Paper Whites, 60c. to 75c. per dozen; sweet peas, 35c. per dozen.

Notes.

Several dozen cattleya blooms formed a part of J. M. Gasser's window display this week and attracted considerable attention. Mr. Gasser reports increased sales on these flowers this season, the retail price at this time being $9 to $12 per dozen.

Among the many unique and novel designs for table decorations brought out by Smith & Fetters this season is one composed of an open head of Savoy cabbage with a spray of cattleya blooms or sweet peas of a delicate shade laid over it, with a little adiantum or asparagus worked in, the combination of colors producing a very pretty effect.

Arnold Ringier, representing W. W. Barnard & Co., Chicago, was a visitor this week. G. A. T.

West Hoboken, N. J.

John Birnie has commenced operations on a new house for the growing of carnations. Flora Hill is producing heavy cuts of flowers, as also are the two other varieties grown—Wm. Scott and Daybreak. A few White Cloud are undergoing a trial, but up to the present they have not been so satisfactory as Flora Hill. The houses that were utilized for chrysanthemums are being rapidly filled with Spring plants, to be disposed of later at the Clinton Market, provided that edifice is available for that purpose when Spring comes. Verbenas, geraniums and heliotrope are grown extensively, and the young stock of the two former is plentiful and in good shape; heliotrope is somewhat scarcer than usual. Cupid sweet peas are being tried in pots, but the germinating qualities of the seed have not been satisfactory, a large percentage having failed to come at all. Several houses are planted to Jacqueminot roses and from the appearance of the wood there should be a wealth of extra fine flowers about Easter me.

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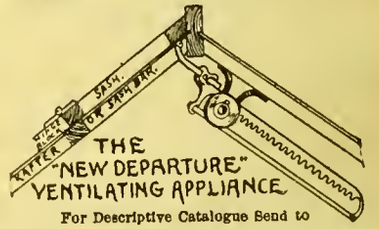

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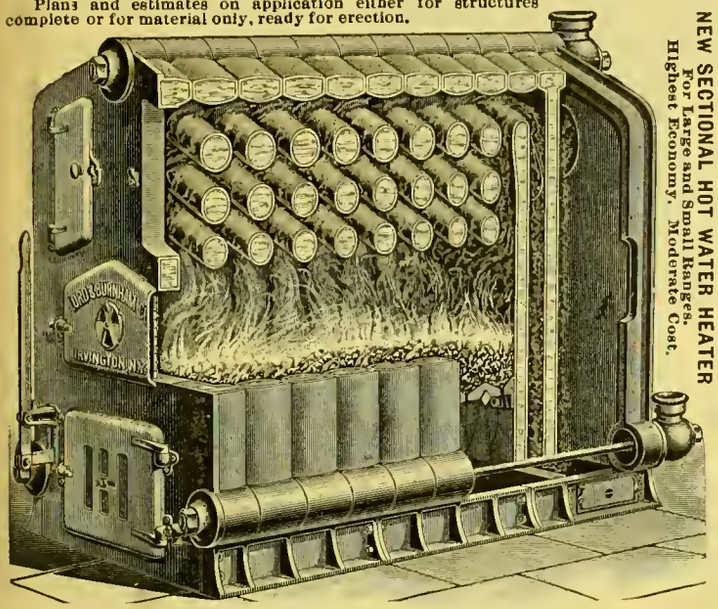

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TILE DRAINED LAND is the earliest, easiest worked and most productive land. By using tile you get rid of the surplus water and admit the air to the soil—both necessary to best results in agriculture. My **AGRICULTURAL DRAIN TILE** meets every requirement. Make also Sewer Pipe, Red and Fire Brick, Chimney Tops, Encaustic Side Walk Tile, etc. Write for what you want and prices. JOHN H. JACKSON, 99 Third Ave. Albany, N.Y.

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Cal. Red Cedar and Louisiana Cypress.

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237 WATER ST., NEW YORK.
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For STEAM
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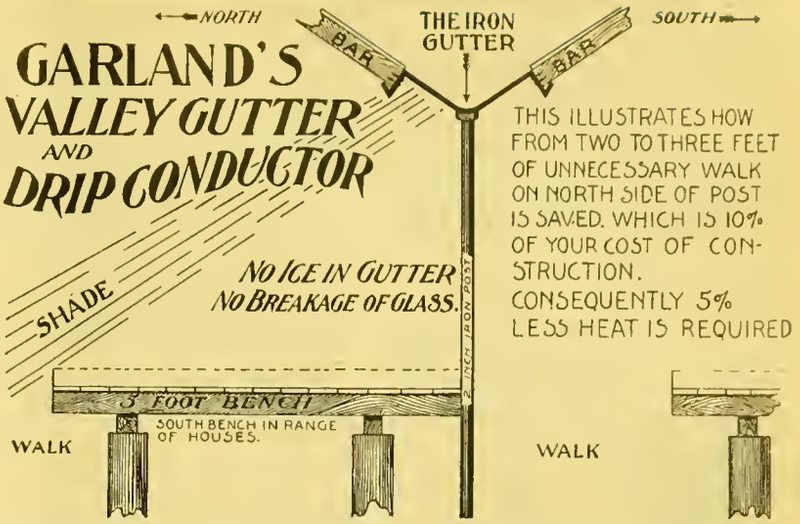

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Standard Ventilating Machine

...HAS POSITIVELY NO EQUAL FOR...

STRENGTH, DURABILITY and NEATNESS.

Guaranteed for 10 years. Has a solid wheel and shaft cast in one (malleable iron). No slipping on Line Shaft as the case with all others. Catalogue free.

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GREENHOUSE . .
VENTILATOR . .

SASH

Gulf Cypress Bars.

GREENHOUSE MATERIAL.

GET OUR PRICES BEFORE BUYING **GREENHOUSE GLASS!**

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Lehman's Wagon Heaters

Will protect Plants from freezing in the coldest weather at the cost of one-half cent per hour.

NO DANGER OF FIRE.
NO GASES TO INJURE PLANTS.
NO ODOR. NO SMOKE. NO DIRT.



Over 125,000 in actual use every Winter by Florists, etc.

Send for Descriptive Circular and Price List.

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JAS. W. ERRINGER, Gen. Western Sales Agent, 297 Wabash Ave., CHICAGO, ILL.

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...THE...

Gorton Side Feed Boiler

SPECIALLY ADAPTED FOR

GREENHOUSE HEATING.

YOU WANT THE BEST. .....WE HAVE IT.

Send for Catalogue and investigate for yourself.

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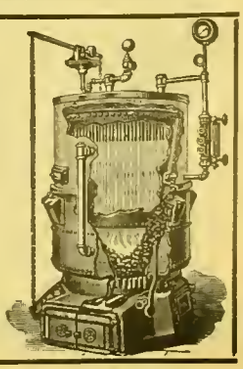

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Stems, fresh packed, bale or case of 300 lbs., $1.50.
Dust, fresh ground, ...100 lbs., $2.25; 200 lbs., 3.50.
Extract.....gallon, $1.25; 5 gallons, 4.25.
Nikoteen.....$1.50 per pint; 5 pints, 7.00.
Soap .....30c. per lb.; 25 lbs., $5.00.

Full line of Insecticides and Appliances.
SEND FOR CATALOGUE.

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PHŒNIX RECLINATA

Strong plants, from 6 in. pots, $6.00 per doz.

HARDY IVIES Strong plants, $8.00 per 100.

CALLA Little Gem From 4 in. pots, $1.50 per doz.

C. EISELE, 11th & Jefferson Sts., Phila., Pa.

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5,000,000 Hardy Cut Ferns
at 75c. per 1000
In 10,000 lots.

All orders under this amount $1.00 per 1000.

Sphagnum Moss, 50c. a bbl.
Am now ready to wait on all florists by mail or dispatch.

THOMAS COLLINS,
Hinsdale, Mass.

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GALAX LEAVES

To Dealers outside New York City:
Choice Galax.....$0 40 per 1000
Choice Leucothoe.....2 00 "

Special attention given orders to go in cold storage. ORDER AT ONCE.

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DIRECT FROM NORTH CAROLINA.

Specially Equipped for Handling Large Orders.

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A full supply of
Fancy and Dagger Cut Ferns, Green and Sphagnum Moss, Laurel Festooning, Bouquet Green, Etc.

All orders by mail or telegraph promptly attended to

H. M. ROBINSON & CO.,
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FLORISTS' SUPPLIES

Largest Stock in the Country.

All goods up-to-date and of superior quality. Write us for prices and other information. Our new catalogue sent on application to the trade only.

NEW CAPE FLOWERS!

Price on Application.

H. BAYERSDORFER & CO.,
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PALM LEAVES

Florida Natural Products Co.,
Box 327, ORLANDO, FLA.

Where Palms grow to best advantage. "We select the best of the best."

Fan Palm Leaves for prepared palm purposes, small, medium and large sizes, dried and cured only, per 1000, $5.00, $6.00 and $7.00; prepared and pressed, only need painting, per 1000, $12.00, $17.00 and $19.00; dyed, $2.00 extra; prepared and painted, per 100, $5, $8 and $11.
Palm Fibre, for making up plants, per lb., 10c.
Prepared Cycas Leaves, Wreaths, Dried Arecas, Cycas, Thrinax, Phœnix, Etc.
Long Leaf Needle Pines, per 100, $4.00.
Green Palm Leaves, large, per 1000, $5.00.
Cubbage Palm Leaves, 4-6 ft., per 100, $3.00.
Wild Smilax, by express, per 25 lbs., $1.75.
Artificial Smilax, per doz. yards, from 50c.
Florida Grey Moss, per 100 lbs., $2.00.
Dyed Festooning Moss, red or green, per lb., 10c.

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ROOM WANTED.

Primroses, 4 in. pots, choice colors, in bloom, from $6.00 to $8.00 per 100.
Umbrella Plants, 4 in. pots, $7.00 per 100.
Begonia Vernon, 4 in. pots, $8.00 per 100.
Primula Obconica, in bloom, 4 in. pots, $6.00 per 100
Cyclamens, 4 in. pots, in buds, $8.00 per 100.
Azaleas, bud and bloom, white and pink, 75c. each.
Standard Azaleas, 2 ft. high, white and other colors, 80c.
Cineraria Hybrida, 6 in., in buds, $2.50 per doz.
Freesias, 4 in. pots, in bloom, $1.00 per doz.
State particularly if wanted with or without pots.
CASH WITH ORDER. PLEASE.

GODFREY ASCHMANN,
1012 Ontario Street, Rising Sun, Philadelphia, Pa.

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IF YOU NEED ROSES
Send me your list for prices.

THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.

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ROSES Field Grown, 2 years old.

Ampelopsis Veitchii, 2 years, str. ng.
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FLOWERING SHRUBS.

Send for our Price List giving rates upon these and other hardy ornamental nursery stock.

Jackson & Perkins Co., Newark, New York.

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D. & C. ROSES

are the cheapest because they are the best. We have in stock over 1000 varieties on own roots, including nearly 200 New Roses not offered elsewhere, as well as all the old favorities, at prices not worth your while to send us your list before buying elsewhere. All sizes.

Send for a copy of our New Guide to Rose Culture for 1900, a handsome book of 150 pages, fully illustrated with hundreds of half-tones and beautiful colored plates. It is really a work of art and will be sent for the asking.

THE DINGEE & CONARD CO., Rose Growers, West Grove, Pa.

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Give Us Liberty

This will be the cry when the plants are all sold. . . .

ORDER AT ONCE. . . .

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Sharon Hill, Del. Co., Pa.

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ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS..
and Novelties in Decorative Plants,
Market and 49th Sts., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

Liberty! Liberty!

Own rooted stock only, for APRIL and MAY delivery.

Price of plants, out of 2½ in. pots, as follows:

12 plants.....60 cts. each.
25 plants.....50 cts. each.
50 plants.....30 cts. each.
100 plants.....25 cts. each.
1000 plants.....20 cts. each.

E. C. ASMUS, West Hoboken, N. J.

AGENTS:
J. C. VAUGHAN, Chicago, Ill. J. N. MAY, Summit, N. J. F. R. PIERSON CO. Tarrytown, N. Y.

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ROSES

All sizes and kinds. Write for prices.

Boston Ferns and N. Cordata Compacta, 2½ in. pots.

Honeysuckles, Hibiscus Cooperi, Moon Vine, White and Blue, Rubra Begonia, Strobilanthes Dyerianus } 2½ in pots at $3 per 100.

GERANIUMS—
S. A. Nutt, White Swan, Heteranthe, Mrs. E. G. Hill } 2½ in pots, at $3 per 100.

SCENTED GERANIUMS—
Lemon, Nutmeg, Balm, Rose, } 2½ in. pots, at $3 per 100.

Asparagus Plumosus, 6 in. pots, at $15.00 per 100.
Rubra Begonia, 3 in. pots, at $4.00 per 100.
Hardy Pinks, 6 varieties, 3 in. pots, at $4.00 per 100.
Cash with Order.

THE NATIONAL PLANT CO., Dayton, O.

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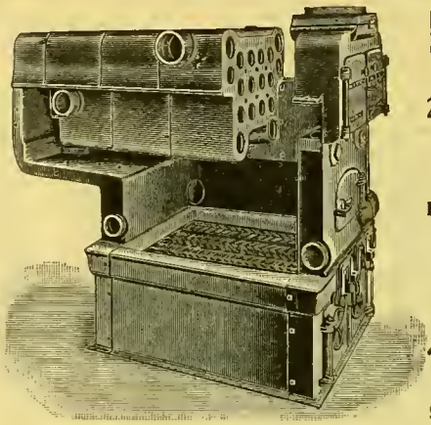
Greenhouse Heating and Ventilating

Horticultural Architecture and Building.



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Nineteen Sizes.
Perfect Sash Raising Apparatus.

Roschouses, Greenhouses, Etc., of Iron Frame Construction erected complete or the Structural Iron Work shipped ready for Erection.

Iron Frame Benches with the "Perfect Drainage Bench Tile" for Slate Tops.

Send 4c. Postage for Illustrated Catalogue

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Commercial Violet Culture

See Advertisement Page 92.

The Prepared Palm Makers



Clare & Scharrath

ORLANDO, FLA.,

Can supply you with Prepared Palms of best quality and at lower prices than others charge for inferior goods.

Write for Prices and Catalogues

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Galax Leaves

CHAS. H. RICKSECKER, Linville, N. C.

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HEADQUARTERS FOR
LAUREL FESTOONING
MOSSES and FERNS
A SPECIALTY



MILLINGTON, MASS.
Telegraph Office, New Salem, Mass.

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CRIMSON RAMBLER

3 to 4 ft. strong, $15.00 per 100; 4 to 5 ft., extra strong, $18.00 per 100.

THE CONARD & JONES CO., West Grove, Pa.

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For latest prices green and bronze Galax Leaves and Leucothoe, address the introducer,
HARLAN P. KELSEY,
Tremont Bldg., BOSTON, MASS.

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Boston Ferns

Plants in 6 in. pots, $1.00 each.
Plants in 7 in. pots, $1.25 each.
Plants in 8 in. pots, $1.50 each.

FINE PLANTS IN GOOD CONDITION.
Cash with Order. WE MUST HAVE ROOM.

C. W. COX, Second and Bristol Sts., PHILADELPHIA.

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RECEIVED PER STEAMER . . . GEORGIAN . . .

NEW CAPE FLOWERS

"New" Enameled POTCOVERS superior to anything in the market. Any color you desire.

6 inch.....$3 per dozen
7 inch.....$4 per dozen
8 inch.....$5 per dozen
9 inch.....$6 per dozen
10 inch.....$7 per dozen
11 inch.....$8.25 per dozen
12 inch.....$10.00 per dozen

Stands to match 75 cents each.

A. HERRMANN, Manufacturer of Metal Floral Designs.... Importer and Dealer in Florists' Supplies,
404, 406, 408, 410, 412 East 34th Street. NEW YORK CITY.

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1900—HAPPY NEW CENTURY—1900

GREEN GOODS.

WRITE, TELEGRAPH OR TELEPHONE.

Galax Leaves, Brilliant Bronze, $1.00 per 1000, and Brilliant Green, $1.00 per 1000.
Leucothoe Sprays.....$1.00 per 100
Needle Pines.....$1.50 to $2.50 per 12
Wild Smilax, "Hand Picked" Brand, 50 lb. case, $6.50; 35 lb. case, $4.50.

Fancy Fern, Dagger Fern, etc., etc., and all kinds of "Green Goods." Prices on application.

HARRY A. BUNYARD, 42 W. 28th St., N. Y. City.
TELEPHONE 2065 MADISON SQ.

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We are a straight shoot and aim to grow into a vigorous plant.

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL.

Vol. XII. No. 5. NEW YORK, FEBRUARY 3, 1900. One Dollar Per Year.

CARNATIONS.

We offer Strong-Rooted Cuttings of ALL THE NOVELTIES OF THE SEASON and OTHER EXTRA CHOICE SORTS.

Mrs. Thomas W. Lawson. The celebrated $30,000 Carnation.
$14.00 per 100; $120.00 per 1000.

Olympia. A grand, fancy Carnation. While fully as large as MRS. GEORGE M. BRADT, or larger, it is said to produce 25 per cent. more flowers than that popular variety.
$12.00 per 100; $100.00 per 1000.

The Marquis. This Carnation has had a phenomenal sale, and is without question the finest light-pink Carnation introduced up to this time. Those who have not ordered should place order without delay, if they wish early delivery. We have sold more of this variety than of all the others combined, which is an index of the esteem in which it is held.
$10.00 per 100; $75.00 per 1000.

Ethel Crocker. One of the best all-round pink Carnations evsr offered to the trade.
$10.00 per 100; $75.00 per 1000.

Genevieve Lord. As a Carnation for retailing nothing can excel this variety, on account of its beautiful color—light silvery pink—and fine stem One of the very finest introductions of the season.
$10.00 per 100; $75.00 per 1000.

We can also supply all the best of the recent NOVELTIES and STANDARD SORTS as follows:—

	Per 100	Per 1000
G. H. Crane, General Maceo	$6 00	$50 00
General Gomez, Mrs. George M. Bradt	5 00	40 00
White Cloud, Gold Nugget, Melba	4 00	30 00
Mrs. James Dean, Mrs. Frances Joost, John Young, New York, Jubilee	3 00	20 00
Mayor Pingree, Flora Hill	2 00	15 00

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

PLEASING PRICES On Plump Bulbs for Present Planting

No Juveniles but fully matured Seniors.

Gladiolus.—All First Size Bulbs.

Gladiolus. All colors, mixed. This mixture will be found to contain a liberal percentage of white and light kinds and equal to some of the best mixtures sent out. The bulbs are a little irregular in shape, which does not interfere with their flowering qualities in the least. Per doz., 15c.; a 100, 75c.; 1000, $6 50.

American Hybrids. Mixed. This mixture is grown especially for us and can be recommended for florists' use. The bulbs are all selected and contain at least more than 50 per cent. white and light types. Per doz., 20c.; per 100, $1.15; per 1000, $9.50.

White and Light Varieties. Mixed. There is no better mixture of white and light Gladiolus than this sold, no matter what price is paid. The bulbs are all selected and large and the varieties the best and most suitable for florists' use. Per doz., 25c.; per 100, $1 50; per 1000, $12.50.

Begonias—Tuberous Rooted.

The fact of our being the American agents for one of the most important European growers of this useful bulb, enables us to offer the choicest stock at figures unapproched by dealers.

Single Flowers. White, pink, red, yellow and scarlet; separate colors or mixed. Bulbs 1¼ in. and up in diameter. Each, 5c.; per doz., 35c.; per 100, $2 ; per 1000, $17.50.

Double Flowers. Each, 10c ; per doz., 65c.; per 100, $5; per 1000, $45.00.

Amaryllis Rosea. Large bulbs. 35c. a doz.; $2 a 100; $15 a 1000.

Hyacinthus Candicans. Large bulbs, 20c. per doz.; $1 50 per 100.

Madeira Vine Roots. 25c. per doz.; $1.50 per 100; $10 per 1000.

Cinnamon Vine. Mailing size. 30c. per doz.; $2 per 100.
Extra size. 40c. per doz.; $2.50 per 100.

Caladium, or Elephant's Ear.

Sound bulbs, with good, live centre shoots.

Caladium Esculentum. 5 to 7 in. in circum. 40c. per doz.; $2 25 per 100; $20 per 1000. 7 to 9 in. in circum. 60c. per doz., $3.75 per 100; $35. per 1000. 9 to 12 in. in circum. $1. per doz; $7. per 100; $60. per 1000. 12 in. and up, circum. $1.50 per doz.; $10. per 100. **Fancy leaf** varieties, fine assortment, $1.25 per doz.; $7.50 per 100.

Tuberose Double Pearl.

Bulbs measuring 4 to 6 in. in circumference, extra quality, 75c. per 100; $6 50 per 1000. 3 to 4 in. bulbs, 50c. per 100; $3.75 per 1000, or barrel of 2000 bulbs for $7.

Dahlias.

Whole Dry Roots, Field Grown.
Double mixed varieties, dwarf and tall. $5 per 100; $42 50 per 1000.
Double, usmed, assorted, $6 a 100; $55 a 1000.

Gloxinias.

Bulbs of large size, measuring 1½ to 3 in. in diameter.

Finest Mixed. 50c. per doz.; $3 per 100; $27 50 per 1000.

Separate Colors. White, red, blue and spotted. 60c. per doz.; $4 per 100.

Richardia alba maculata. Spotted Calla. 45c. per doz.; $3 per 100; $25 per 1000.

CLUCAS & BODDINGTON CO.,
342 WEST 14th STREET, Telephone 461 18th. **N. Y. CITY.**
Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS.

ORDERS BOOKED NOW In order of receipt, for Rooted Cuttings of the Famous....

Mrs. Thomas W. Lawson,

The $30,000 Queen of **CARNATIONS** FOR SPRING DELIVERY.

COMMENCING FEBRUARY 1st, 1900.

Prices:

Per dozen	$3
Per 100	$14
Per 1000	$120
Per 5000	$500
Per 10,000	$800

TERMS: Strictly Cash, or C.O.D. from Unknown Parties.

The quoted prices are for THE TRADE ONLY, and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower,

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

Thos. F. Galvin 124 Tremont St., BOSTON, MASS.

NEW CARNATIONS

We are now ready to take orders for

STRONG ROOTED CUTTINGS.

General Maceo "Very full, deeply fringed flower, 2½ inches to 2¾ inches in diameter, on stiff, wiry stems, 12 inches to 18 inches long under ordinary culture. Under extra culture blooms 3 inches in diameter, on 18 inch stems, may be grown. Ground color deep brilliant scarlet, heavily overlaid with maroon, making one of the darkest and richest shades yet seen in carnations, fully as rich and striking as the Meteor rose. Habit erect, stiff, wiry—of the McGowan type, but with stiff, stronger stems. Foliage covered with rich glaucous bloom. Cuttings produced as freely as with McGowan and root fully as easily as that variety. The most profuse and abundant bloomer we have ever grown, outblooming every other variety. Flower an excellent keeper and can remain on the plant six to eight days, and we have kept it three and a half weeks in a cool bedroom." The above, copied from our last year's catalogue, has been more than proved the present season. It is now conceded by all those growing it to be the most profuse blooming carnation ever introduced. The color has proved very popular and is having a great sale at high prices. It is certainly the first good keeping dark carnation thus far introduced, and the stock of no florist is complete without it. We have a fine stock of plants and will send out strictly selected cuttings. **$6.00 per 100; $50.00 per 1000.**

General Gomez Brilliant cardinal maroon, 2½ inches to 2¾ inches in diameter, fine stems 16 inches to 24 inches long. Strong, vigorous, very healthy habit; blooms fully as freely as Portia, resembles Scott in habit and seems to have fully as good a constitution as that variety; calyx is strong; flower is full and well fringed and of a pleasing form, good fragrance; the color is magnificent, fully as rich and brilliant as the Cardinal flower; in fact, no crimson carnation has ever come to our notice possessing such a vivid brilliant shade of color; has proved freer and earlier in blooming than the past season; it sells at the highest prices, the color is exceptionally popular, and it promises to be as profitable as Maceo.
$5.00 per 100; $40.00 per 1000.

25 at 100 rate; 250 at 1000 rate.

We have fine, large, healthy stocks, and will deliver only fine, strong, well-rooted cuttings.

Send your Orders early.

C. W. WARD, Manager. **THE COTTAGE GARDENS, Queens, N. Y.**



GROUND HOG

Saw his shadow when he came out? Do not let that deter you from buying the following SEED CROP OF 1899.

ALYSSUM. Little Gem, trade pkt., 10c.

SALVIA. Salvia Splendens, trade pkt., 25c.

ASTER. Queen Market, mixed, separate colors, trade pkt., 15c.

PETUNIA. Blotched and striped, trade pkt., 25c.

LOBELIA. Crystal Palace Compacta, trade pkt., 25c.

STOCKS. 10-Weeks Come-Again, trade pkt., 50c.

Catalogue now ready. Write for it.

WM. ELLIOTT & SONS, 54 and 56 Dey St., New York.

Mention the Florists' Exchange when writing.

High-Grade Florists' Flower Seeds

	Per oz.
Alyssum, Little Gem	$0.25
Ampelopsis Veitchii (Japan Ivy)	.25

ASPARAGUS

Plumosus Nanus	per 100 seed, $1.00
Sprengeri	per 100 seed, .75

ASTERS

Semple's Branching— White, pink, lavender, crimson, purple. Per ⅛ oz., 15 cts.; per oz., 75 cts.

Queen of the Market— White, pink light blue, dark blue. Per ⅛ oz., 15 cts.; per oz., 60 cts.

Victoria, in six colors. Per ⅛ oz., 25 cts.; per oz., $2.00.

Begonia Vernon	per ⅛ oz., $0.50
Candytuft Empress	per oz., .20
Cobæa Scandens	per oz., .40

MIGNONETTE Machet Improved. Per ¼ oz., 25c.; oz., 75c.

PHLOX, Nana Compacta

	Per ⅛ oz.	Per oz.
Fireball	$0.40	$2.50
Snowball	.30	2.00
Mixed	.25	1.50

SALVIA NANA COMPACTA—Bonfire. Per ⅛ oz., 50 cts.; per oz., $3.00. SPLENDENS—⅛ oz., 20c.; oz., $1.25.

SMILAX Per ⅛ oz., 10c.; per oz., 35c.

SWEET PEAS And complete list Flower Seeds and Bulbs. See page 52, last issue.

STUMPP & WALTER CO., 50 BARCLAY ST., NEW YORK.

Mention the Florists' Exchange when writing.

DOUBLE PEARL TUBEROSE BULBS

Sound, healthy stock, No. 1—4 inches up, at $1.00 per 100; $6.00 per 1000. No. 2—3 to 4 ins., 50 cents per 100; $3.00 per 1000.

CHAS. BLACK, Hightstown, N. J.

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CALIFORNIAN SEEDS

Contract Prices for 1900 Harvest on Application.

WHOLESALE ONLY.

PERRY WATSON & CO., SACRAMENTO, CAL.

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WE ARE GROWERS AND FOUNTAIN SOURCE OF FOLLOWING SPECIALTIES:

Lima Beans—Bush and Pole, Keotucky Wonder, Tall Germ'n Wax, Creasehack, All other sorts Pole, Bermuda Grass, Cana'gre, Carrot, Celery, Lettuce, Onion, Parsnip, Radish, Salsify, Salt Bush, These New Vars. California Giant Sweet Peas" Branching Comet Asters, Centaurea Imperialis, Dianthus, Oriental Beauties, Masterpiece Pansy, Winter Pineapple Muskmelon, Chilian Watermelon, Australian Browo Onion, Triumph Radish, Roselle, or Lemonade Plant, Asters, choice, Cosmos, choice, Verbenas " Calla Bulbs, Freesia Bulbs, Seeds of all varieties of Acacias, Cypresses, Eucalyptus, Palms, Thujas, Musa Eaeta, Camphor Tree, Grevillea, California Big Tree, California Redwood Tree, Etc.

Correspondence Solicited.

JOHNSON & MUSSER SEED CO., LOS ANGELES, CAL.

Mention the Florists' Exchange when writing.

ESTABLISHED 1802

THORBURN'S SEEDS

Our Wholesale Price List of

Choice Flower Seeds

FOR FLORISTS

Is now ready. A post card will bring it to you. We have still on hand some of our

LILY OF THE VALLEY PIPS

The finest that come to this country; per 1000, $10.00. Cases of 3000 at 9.00 per 1000.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

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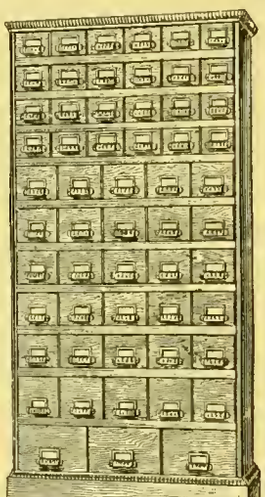

SEED CASE FITTED WITH HELLER'S STEEL SEED BOXES. Send for Catalogue. Mice and Insect Proof. *Montclair, N. J.*

HELLER & CO.,

Mention the Florists' Exchange when writing.

COX SEED CO.

Wholesale Seedsmen

14 & 16 Ninth Ave., NEW YORK. 411, 413, 415 Sansome St. SAN FRANCISCO.

Mention the Florists' Exchange when writing.

VICK'S SEEDS

FOR FLORISTS.

All Home-Grown Seeds.

	¼ Oz.	Oz.
Aster, Vick's Daybreak, Pink	$1.50	$4.00
" " Purity, White	2.00	6.00
" Branching Comet, White	2.50	8.00
" Vick's Branching, in colors, White, Pink, Crimson and Purple, each	.25	.75

Trade List, also Garden and Floral Guide, now ready. Send for it.

JAMES VICK'S SONS, Rochester, N.Y.

Mention the Florists' Exchange when writing.

TUBEROSES=The Pearl

Size, 4 to 6 inches circumference, Per 1000, **$6.50 Net.**

CASH WITH ORDER.

HULSEBOSCH BROS., Englewood, N. J.

Mention the Florists' Exchange when writing.

EXTRA CHOICE FLOWER SEEDS.

List free on application.

FRED. ROEMER, SEED GROWER, Quedlingburg, Germany.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUM SEEDS

"California Fantasies."

Perennial varieties, splendid mixed. Saved from a **Splendid Collection** of new, rare, beautiful and esthetic flowers. 50 cts. per trade pkt.; $1.75 per ⅛ oz.

Send for Trade List of Seeds.

MRS. THEODOSIA B. SHEPHERD, Ventura-by-the-Sea, Cal.

Mention the Florists' Exchange when writing.

ARRIVED THIS WEEK

IN SPLENDID CONDITION. Offered as Long as Stock Lasts.

	Doz.	100	1000
Cocos Weddeliana Seed	$0.20	$1.00	$7.50
Latania Borbonica Seed	.10	.40	2.50
Asparagus Plumosus Nanus Seed			

To lots of 5,000 to 10,000 considerable reduction. Write us.

	Doz.	100	1000
Pandanus Utilis Seed	$0.25	$1.25	$10.00
Asparagus Sprengeri Seed	.10	.75	6.00
	.15	1.00	9.00

LILIUM AURATUM { Plump, sound bulbs. Will be scarce. Order Now. } 8–9 inches.....Per doz., $0.60 Per 100, $4.50; 9–11 " .....Per doz., 1.00 Per 100, 6.50

FERN BALLS We offer at present only **One** size, 10–12 inch diameter, which retailed **Easter** time at $5.00. **Sample Ball,** 75 cts.; per dozen, $3.00; 100, $25.00. Lot of **Fern Wreaths** and **Designs** due shortly.

TUBEROUS BEGONIAS.

We offer EXTRA fine quality English and Belgian Strains. SINGLE, to five separate colors, 1–1½ inch size, per doz., 40c.; per 100, $2.50. **Extra large,** 2 inch and over, per doz., 50c.; per 100, $3.00. **Double,** to separate colors, 1–1½ in., doz., 65c.; 100, $5. **Double Extra** size, 2 in. and over, doz., 75c.; 100, $6.

CALADIUM { Fancy-leaved, in 10 choicest sorts. } 1–1½ inch.....Per doz., $1.00 Per 100, $7.00; 1–1½–2 inch.....Per doz., 1.25 Per 100, 10.00.

CALADIUM ESCULENTUM SOUND, fine center shoots. 5–7 inch, per doz., 40c.; per 100, $2.25. 7–9 inch, per doz., 60c.; per 100, $4.00. 9–11 inch, per doz., $1; 100, $6. 11 to Monster, per doz., $1.50; per 100, $10.00.

CANNAS 10 popular sorts, our choice, 40 cts. per doz.; $2.00 per 100. To select named sorts and latest novelties. **Send for our New List of Cannas.**

DAHLIAS In strong, field-grown roots, choicest named double sorts (select from our list), $1.00 per doz.; $6.00 to $8.00 per 100.

GLOXINIAS Finest sorts, 1 to 3 inch bulbs, 45 cts. per doz.; $3.00 per 100

GLADIOLI Grown by one of the acknowledged best growers. Florists' Superfine Mixture, mostly light and white, few red, 20 cts. per doz.; $1.25 per 100; $10.00 per 1000. Extra Fine Mixture, 15c. per doz.; $1.00 per 100; $6.50 per 1000. Send for complete list of DAHLIAS, GLADIOLI, ETC.

TUBEROSE, DOUBLE EXCELSIOR PEARL 4-6 inch, $1.00 per 100; $7.00 per 1000. 3-4 inch, 50 cts. per 100; $3.50 per 1000.

FLOWER SEEDS THAT WILL GROW.

	Large trade pkt.	oz.
ASTERS, Semple's, in separate colors	$0 25	$1 00
ASTER, Lady in White	25	1 50
CANDYTUFT, Empress	10	25
COSMOS, Mammoth novelties, in separate colors	10	25
MIGNONETTE, Allen's Defiance	25	75
	oz.	lb.
MIGNONETTE, in many other sorts. Send for our list.	$0 30	$2 50
SMILAX, fresh crop	15 cts.	75 cts.

STOCKS, Bensry's finest strain Cut and-Come-Again, 6 separate colors.....25c. per trade pkt.; $2 00 per oz.

SWEET PEAS We carry the VERY BEST stock of these (crop 1899), in all best-known sorts, such as, Apple Blossom, Blanche Burpee, E. E. B. Ferry, etc., 5c. per oz.; 10c. per ¼ lb.; 30c. per lb. Send for list of named SWEET PEAS.

VERBENA Mammoth flowering..... 25 cts. per trade pkt.; $1.00 per oz. White center Mammoth..... 15 cts. " 75 cts. "



To CLEAR out, BONA-FIDE, as we need room, A lot of **Spiræa Japonica Compacta,** 50 cts. per doz.; $3.00 per 100. **Lily of the Valley, BEST BRAND,** $1.00 per 100; $8.00 per 1000. **TREE Pæonias,** which will bring GOOD MONEY if forced for Easter, white, rose-red, variegated, Lilac, strong plants, with buds, 50c. each; $5 a doz.; $8 for 25. **SPECIAL NOTICE.**—All bulbs to this list, 3 at dozen rates; 25 at 100 rates. 5 per cent. off for CASH with order, except where clearance prices are given.

H. H. BERGER & CO., 47 Barclay St., New York.

Mention the Florists' Exchange when writing.

Flower Seed that will Grow

ASTER, Semple's, White, Pink, Lavender, Mixed, Pæony flowered, Victoria, Giant Comet, Queen of Market, 75 cts. per oz.; large trade packet, 25 cts.

MIGNONETTE. Allen's Defiance, Golden Queen, Pure Machet, per oz., 50 cts.; large trade packet, 15 cts.

COBÆA SCANDENS, purple, per oz., 30 cts.; trade pkt., 10 cts.

VERBENA, Mammoth Flowering, choicest mixed, per oz., $1.00; ¼ oz., 40 cts.; large trade pkt., 25c.

SWEET PEAS. Extra Early Blanche Ferry, E. Burpee, Mrs. J. Chamberlain, K. Tracy, Ovid, Novelty, Meteor, Gray Friar, E. Heedersoo, E. Eckford, C. of Aberdeen, Captivation, Capt. of Blues, Blanche Ferry, A. Eckford, per pound, 40 cts.; per oz., 10 cts.

MIXTURE containing all the above sorts, per pound, 25 cts.; per oz., 5 cts. Satisfaction guaranteed.

Cash with Order.

GEO. L. MILLER, - Newark, Ohio.

Mention the Florists' Exchange when writing.

XXX SEEDS

VERBENA GRANDIFLORA.

The finest strain of Improved Giant Verbenas yet produced, largest flowers and best colors, good percentage white, per pkt., 800 seeds, mixed colors, 50 cts.

CYCLAMEN GIGANTEUM.

The choicest Giant-flowering varieties in best mixture, pkt., 200 seeds, $1.00; half pkt., 50 cts.

CHINESE PRIMROSE.

Best large, single and double, 500 seeds, $1.00

PHLOX DRUM. PUMILA.

New, very dwarf, perfect beauties, excellent for growing in pots for Spring sales, mixed colors, per trade pkt., 20 cts.

PANSY Finest Giant. Choicest mixed Mammoths, 3500 seed; $1.00; ½ pkt., 50 cts. A pkt. of New Double Early-flowering Dwarf Vienna Carnation added to every order.

JOHN F. RUPP, Shiremanstown, Pa.

The Home of Primroses.

Mention the Florists' Exchange when writing.

Florists Flower Seeds and Bulbs

ASTER Semple's True Branching, mixed, large trade pkt., 20c.; per oz., 50c. Semple's Shell Pink, white and red, large trade pkt., 25c.; per oz., 75c. Imp. Peony Flowered Perfection, mixed, large trade pkt., 25c. per oz., 75c.; Imp. Victoria, mixed, large trade pkt., 25c.; per oz., $1.25.

AMPELOPSIS VEITCHII per oz., 10c.; per lb., 75c.

CLEMATIS PANICULATA (Fine stock) large trade pkt., 15c.; per oz., 50c.; per lb., $5.00.

COSMOS California Giants, large trade pkt., 10c.; per oz., 40c.

CALLA Spotted Leaved, large bulbs, per doz., 40c., per 100, $2.75.

LILY OF THE VALLEY PIPS Berlin, 3 years old, sand grown, large crowns, per 1000, $10.00; per case (2500), $23.00.

LILIUM Auratum, Japanese grown, fine bulbs, 8-9, per doz., 75c.; per 100, $4.75; 9-11, per doz., $1.00; per 100, $7.50. L. Speciosum Rubrum, 8-9, per doz., 75c.; per 100, $4.75; 9-11, per doz., $1.00; per 100, $7.50. L. Speciosum Album, 8-9, per doz., 80c.; per 100, $6.00; 9-11, per doz., $1.00; per 100, $7.00.

SALVIA SPLENDENS (Floriscroft strain), large trade pkt., 20c.; per oz., $1.00.

SMILAX, per oz., 30c.; per lb., $2.50.

VERBENA Mammoth Mixed. Large trade pkt., 25c.; per oz., $1.00.

SEND FOR FLORISTS' WHOLESALE LIST.

JOHNSON & STOKES, Seedsmen, 217 and 219 Market St., **PHILA., PA.**

Mention the Florists' Exchange when writing.

PALM SEEDS

FRESH ON HAND.

	100	1000	3000
Phœnix Tenuis	$0.75	$5.00	$13.50
" Pumila	1.00	8.00	22.50
Pandanus Utilis	1.25	10.00	27.50
Asparagus Plum. Nanus, true	1.25	9.00	26.50
" Sprengeri	.75	6.50	18.00

L. J. SCHILLER, 404 E. 34th Street, New York.

Mention the Florists' Exchange when writing

DO YOU WANT THE **BEST?**

We supply Danish grown seed of

Cauliflower and Cabbage Danish Ball Head.

BEST QUALITIES, FINEST STOCK.

CHEAPEST PRICES.

Samples and prices free on application.

L. DAHNFELD, Odenese, Denmark. (Established 1850.)

Mention the Florists' Exchange when writing.

We are Headquarters for

ROCKY FORD

Cantaloupe Seed. We Solicit Your Orders

BARTELDES & CO., Denver, Col.

Mention the Florists' Exchange when writing.

SEEDS for Profit

FLORISTS' FLOWER SEEDS **Sweet Peas**

Wholesale Catalogue on application.

WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., New York City.

Mention the Florists' Exchange when writing.

RAWSON'S

Arlington Tested Seeds

Are now well known to some florists, we want them known to all florists. Special price list sent on application.

W. W. RAWSON & CO., Boston, Mass.

12 and 13 Faneuil Hall Sq.

Mention the Florists' Exchange when writing.

Best Quality at Lowest Rates.

ROMAN HYACINTHS,

NARCISSI, FREESIA,

and other French Bulbs for forcing.

BERNARD SON, 29 Boulevard du Musée Marseille, France.

Bulb Grower and Exporter.

Established 1872. Bulbfields-Hyères, Ollioules.

WHOLESALE ONLY.

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NOW IS THE TIME TO BUY

ASPARAGUS PLUMOSUS NANUS SEED—(Home grown), $1.00 per 100 seeds, $9.00 per 1000 seeds.

ASPARAGUS SPRENGERI SEED. New Crop—75c. per 100 seeds; $6.00 per 1000 seeds.

HENRY F. MICHELL

1018 Market St., Phila.

WHOLESALE PRICE LIST OF SEEDS, BULBS &c. ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS.

GERMAIN FRUIT CO.'S

California Grown Seeds.

SPECIALTIES:

Wax Beans,	Cosmos,	Onion,
Lima Beans,	Verbenas.	Lettuce,
Salt Bush,	Asters,	Celery,
Bermuda Grass,	Tree and	Carrot,
Johnson Grass,	Shrub Seeds.	Parsnip,
Sweet Peas,		Salsify.

Calla, Freesia, Amaryllis Bulbs, Pampas Plumes. Correspondence Solicited.

LOS ANGELES, CAL.

Mention the Florists' Exchange when writing.

ORDER NOW.

TUBEROUS-ROOTED BEGONIAS AND GLOXINIAS

Our strains of these important Spring and Summer flowering bulbs are the finest to be secured in Europe. We make a personal selection of these stocks when in flower, and they should not be confounded with cheap, indifferent strains, which are dear at any price.

Single rose, scarlet, white, yellow and orange, 40 cts. per dozen; $2.50 per 100; $20.00 per 1000.

Singles in choicest mixture, 35 cts. per doz.; $2.00 per 100; $18.00 per 1000.

Double rose, scarlet, white and yellow, 65 cts. per doz.; $5.00 per 100; $40.00 per 1000.

Doubles in choicest mixture, 50 cts. per doz.; $4.00 per 100; $35.00 per 1000.

Gloxinia Crassifolia Grandiflora.

50 cts. per doz.; $4.00 per 100; $30.00 per 1000.

Fancy-Leaved Caladiums,

30 choice varieties, $2.00 per doz.; $15.00 per 100.



Mention this paper.

HENRY A. DREER, 714 Chestnut Street, **Philadelphia, Pa.**

VAUGHAN'S FLOWER SEEDS..

FOR PRESENT SOWING



Strictly high-class, new crop flower seeds of choicest, most carefully selected strains for florists' use.

PANSY, VAUGHAN'S INTERNATIONAL MIXTURE, which is better now than ever. Trade pkt., 50c.; ⅛ oz., $1.50; ¼ oz., $2.50; oz., $10.00.

PANSY, VAUGHAN'S GIANT MIXTURE, contains all the separate colors of Trimardeau, Cassier, Bugnot and a number of new colors. Trade pkt., 25c.; ⅛ oz., 60c.; ¼ oz., $1.00; oz., $4.00; ¼ lb., $14.00.

PANSY, TRIMARDEAU, mixed. Trade pkt., 10c., ¼ oz., 30c.; oz., $1.00; ¼ lb., $3.00.

PANSY CHICAGO PARKS MIXTURE, trade pkt., 10c.; ⅛ oz., 30c.; oz., $1.00; ¼ lb., $3.00.

BROWALLIA SPECIOSA MAJOR (Giant Browallia). Trade pkt., 25c.

DAISY, VAUGHAN'S MAMMOTH WHITE, MAMMOTH PINK AND MAMMOTH MIXED. Each, trade pkt., 25c.

DAISY, SNOWBALL AND LONGFELLOW. Each, pkt., 15c.

CENTAUREA GYMNOCARPA. Trd. pkt. 10c.; oz. 40c.

CENTAUREA CANDIDISSIMA. 1000 seeds, 25c.; oz., $1.00.

ORACAENA INDIVISA. Oz., 30c. lb., $2.50.

FERN SEEDS, Adiantum, Nephrolepis, Pteris, etc. Trade pkt., 50c.

HELIOTROPE, LEMOINE'S GIANT. Trd. pkt., 25c.

LOBELIA SPECIOSA. Trade pkt., 10c.; ¼ oz., 25c.

" **CRYSTAL PALACE COMPACTA.** Trade pkt., 25c.; ¼ oz., 50c.

LOBELIA BEDDING QUEEN, deep blue. Pkt., 25c.

" **WHITE LADY.** Dwarf white. Pkt., 15c.

" **SUTTON'S GEM.** White, pink or blue. Each, trade pkt., 20c.

MIGNONETTE MACHET, true. Pkt., 10c.; oz, 40c.

" **BISMARK,** new. An improved Machet. Pkt., 15c.; ¼ oz., 75c.

PETUNIA HYB., BLOTCHED AND STRIPED. Trade pkt., 10c.; ¼ oz., 25c.

PETUNIA, "VAUGHAN'S BEST" Mixture of large-flowering, none better, includes all the fringed sorts, as well as Giants of California and other choice strains. Trade pkt. (1000 seeds), 50c.; 3 pkts. for $1.25.

PETUNIA, VAUGHAN'S DOUBLE MIXED, extra fine, 600 seeds, $1.00.

PETUNIA, DOUBLE WHITE AND DOUBLE FRINGED WHITE Each, 250 seeds, 50c.

PRIMULA FORBESI. "Baby Primrose." 500 seeds, 25c.

PRIMULA FORBESI COMPACTA, new, 500 seeds, 35c.

SALVIA SPLENDENS. Clara Bedman. Pkt., 25c.

" " Drooping Spikes, ¼ oz., 50c.

" " New Crimson. Pkt., 25c.

PRIMULA OBCONICA GRANDIFLORA AND ROSEA. Each, trade pkt., 25c.

STOCKS, large flowering, ten-week, white, pink, blood red, crimson, light blue, purple, canary yellow and extra choice mixed. Each, trade pkt., 25c.; any 5 for $1.00.

THUNBERGIA, mixed. Oz. 30c.; pkt., 10c.

TORENIA FOURNIERI COMPACTA AND WHITE WINGS. Each, trade pkt., 25c.

VINCA ROSEA, Alba, Alba Pura and mixed. Each, trade pkt., 10c; oz., 60c.

VERBENA, MAMMOTH MIXED. Trade pkt., 10c.; ¼ oz., 25c; oz., $1.00.

VERBENA, white, scarlet, striped, purple. Each, trade pkt., 10c.; ¼ oz., 25c.

VERBENA, "VAUGHAN'S BEST" MIXTURE contains all the best colors and strains of Verbenas that are in existence. It is one of those mixtures like our International Pansy, Best Petunias, etc., that cannot be duplicated elsewhere. Trade pkt., 25c.; ¼ oz., 60c.; oz., $2.00.

We allow a discount of 10 per cent. on orders for flower seeds for $2.00 and over for cash with order. For other seeds, send for our complete Flower Seed List.

TUBEROSE BULBS!

Excelsior Dwarf Pearl.

True Hallock Strain.

New York—VAUGHAN'S SEED STORE—Chicago

Mention the Florists' Exchange when writing.

BARGAINS

In **CALIFORNIA PRIVET, AMPELOPSIS VEITCHII, CLEMATIS PANICULATA SHRUBS and GRASSES.**

Write for Prices.

The Elizabeth Nursery Co., Elizabeth, N. J.

Mention the Florists' Exchange when writing.

ASTER--Semple's Branching.

	Large trade pkt.	Oz.
White, Pink, Lavender, Crimson, choice,	$0 25	$1 50
Mixed, choice seed	25	1 00
MIGNONETTE, Machet, select strain	15	50
" Defiance, very large spikes	25	75
SALVIA Splendens (Scarlet Sage)	25	1 25
LOBELIA, Crystal Palace Compacta, dwf. blue	25	2 00
STOCKS, Cut-and-Come-Again	25	2 50
SWEET PEAS, all the popular kinds		05

☞ Write for my prices on what you want.

Wm. H. Brunning, Seed Merchant and Grower, **Rahway, N. J.**

Mention the Florists' Exchange when writing.

ASTER Semple's white, pink, dark blue, oz., $1.00; Queen of the Market, fine mixed, oz., 60c. **Centaurea** Marguerite, oz., 60c. **Phlox** Drummondi nana compacta, mixed, oz., $1.00. Fireball, Snowball, oz., $1.25. **Mignonette,** improved Machet, oz., $1.00; Defiance, French seed, $1.25. **Pansy,** Giant Mixed, oz., $2.00; Trimardeau, fine mixed, oz., $1.25. **Petunia,** double mixed, trade pkt., 50c. **Verbenn,** mammoth, fine mixed, oz., $1.00. **Stock,** large, 10 weeks, white, pink, dark blue, ½ oz., $1.25. All the above in large trade pkts., 20c. Sample free.

BEAULIEU, Woodhaven, N. Y.

Mention the Florists' Exchange when writing.

COMMERCIAL VIOLET CULTURE

Now Ready For Delivery.

See Advt., Page 116

ASTER | COSMOS | PANSY | SALVIA | ZINNIA

BEANS | CLOVER | GRASS | ONIONS | PARSNIP

SEED TRADE REPORT

Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Chicago, Ill., President; ALBERT MCCULLOUGH, Cincinnati, First Vice-President; F. W. BOLGIANO, Washington, Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

Chicago has been selected this year as the meeting place of the American Seed Trade Association, on the second Tuesday in June.

Providence, R. I.—A. M. Rennie has severed his connection with the Walter A. Potter Co., and in company with W. G. Pino, now associated with Wm. Elliott & Sons, New York, will conduct a general seed, florists' supplies and horticultural sundries business at corner of Washington and Eddy streets, this city, opening soon after February 1.

European Notes.

Orders keep dropping in by every mail—a certain sign that business on your side must be in a good condition. Quite a brisk demand for peas is one of the most prominent features, and stocks are already in small compass. As the European demand for some varieties is rather under the average this season outside orders are welcome.

Judging by numerous and repeated inquiries for the most popular varieties of peppers the crops all round must have been very disappointing. The same is true of the ordinary variety of sugar beet, for which the demand is simply overwhelming. At the same time it is a pleasure to know that the valuable feeding properties of this root are now so generally recognized in America and Canada. The splendid strain of this article, which has been developed in Denmark, has made the fortunes of hundreds of intelligent dairy farmers in that prosperous little country. In America it would no doubt prove of even greater value.

A "proof" copy of the schedule of prizes for the proposed Bi-century Exhibition of Sweet Peas is just to hand. The premiums are fairly liberal, but it is a matter for regret that some sweet pea expert on your side was not invited to send along a few "points" in the arrangement of the various classes. It is a far cry to July, so something may yet be done.

EUROPEAN SEEDS.

Sweet Peas for Florists' Planting

Cupids and Burpee's Bush.

These most distinct types have greatly increased and widened the area of successful Sweet Pea culture, as the low compact growth and wonderful root-system of the plants enable them to resist heat and drouth to a much greater extent than the tall-growing sorts, which, under similar unfavorable conditions, are apt to suffer from the red spider and other troubles, the vines drying up after only a brief period of bloom. These new types are not so well adapted for growing in cool, moist locations; the dense, compact growth of foliage being quite apt to "damp off" under such conditions, so that the two distinct types of tall or running growth and the low bush-like and spreading growth should be used to complement each other.

The flowers of the CUPID type are borne on stiff stems, too short for bunching effectively, but quite desirable for boutonnieres and design work, strikingly resembling rosebuds when freshly opened. It is as a border of bedding plant that they develop the greatest beauty; the rich, dark-green carpet of foliage being literally hidden by the clusters of lovely flowers. The new BUSH SWEET PEA has flowers of large size and fine form, borne on long stems, equally as well suited for bunching as those of the tall-growing varieties, and from present indications we shall soon be able to offer quite a complete assortment of shades and colorings, so that florists having light soils or very dry locations will be able to grow a supply of Sweet Peas for summer cut-flowers quite as readily as those situated in cool, moist locations.

The Best for Forcing Is Burpee's "Earliest of All."

For planting under glass we recommend only the tall or running varieties, which can be trained to strings or other supports, although some growers have succeeded splendidly with the Cupids as pot-plants under glass. Our new variety, BURPEE'S "EARLIEST OF ALL," is distinctly the finest and most profitable Sweet Pea for forcing, by reason of its extremely early flowering and beautiful coloring. From seed planted in raised beds the last week in August, the vines began blooming the last of October, and continued to flower until cut off by the heat of the late spring months. The seed is sown thinly in drills twelve inches apart running across the beds, and the vines supported with light wire stakes. The vines branch freely and furnish a profusion of fine large flowers on long stems, usually three in a spray. The standards are a rich, bright rose, well expanded, and the wings of a creamy white, frequently tinged or spotted with rose, identical in all respects with the popular *Blanche Ferry*. In the open ground the growth is quite dwarf, only eighteen inches to two feet in height, and the plants are in full flower from a week to ten days in advance of even the *Extra Early Blanche Ferry* or *Emily Henderson*, while under glass no other variety at all approaches it in earliness, the ordinary varieties seldom flowering before February, even from seed planted in the fall.

The Best Pure Whites.

Pure white is also a most useful color for florists. The *Emily Henderson* is the earliest flowering, but rather delicate in texture and with distinct notch at the top of the standard. BLANCHE BURPEE blossoms later, is of very strong growth, and continues longer in flower; the flowers are of very large size, grand form, and good substance, lasting a long time when cut. "SADIE BURPEE" is considered by Mr. Eckford his finest variety, "*absolutely the grandest white.*" The vines are of very strong growth, the flowers of extra large size and beautiful shell-like form on long stem. One type of "*Sadie Burpee*" is distinct in having black seed, so that it can be planted earlier in the spring. Under exceptionally favorable conditions the standards of the longest flowers are "notched" near the base as in *Butterfly*.

BURPEE'S MODESTY is a creamy white with only the faintest tint of delicate pink, black-seeded and hardy, and would answer well as a white sort.

Popular "Pink and White."

As stated before, the combination of Pink and White, as in the Blanche Ferry, is the most popular coloring in the Sweet Pea. For outdoor planting we recommend that BURPEE'S "EARLIEST OF ALL," *Extra Early Blanche Ferry*, and the regular strain of *Blanche Ferry* should all be planted, as they will flower in succession in the order named, giving the longest period of bloom.

Clear Light Lavenders.

In lavender we recommend BURPEE'S NEW COUNTESS, *Lady Nina Balfour* and *Lady Grisel Hamilton*, all of the most soft and pleasing shades, differing slightly in tint.

Pinks of Several Shades.

In pink we recommend *Lovely*, a soft shell-pink with creamy border; *Prima Donna*, beautiful light blush-pink; *Prince of Wales* (an improved *Her Majesty*), very large, finely hooded flowers of a rich, glowing rose-pink; *Hon. F. Bouverie*, soft flesh-pink tinted with buff, a most distinct shading; *Royal Rose* (an improved *Apple Blossom*), a bright flesh-pink, grandiflora size, and beautiful form.

The Best Two Scarlets.

In scarlet, *Salopian* is the most glowing in shade. BURPEE'S BRILLIANT and the improved "SUNPROOF" SALOPIAN will best resist the strong sunshine, being free from the blackening of the standard so troublesome with the other scarlet varieties.

Creamy Yellow or Primrose Tints.

In creamy yellow or primrose tints *Mrs. Eckford* is the deepest in shade, while *Queen Victoria* is the largest in flower and of finest form. STELLA MORSE is of a rich apricot tint bordering on buff.

Two Bright Blues.

The rich BURPEE'S "NAVY BLUE," introduced last year, is most distinct and one of the finest for cut flowers; vines of strong growth, wonderfully free and continuous bloomer, with three and four large flowers on a long stem. The flowers are of very large size, fine, open form, and a rich violet-blue or purple. Extremely rich, it should be planted by every florist, as it will be, without doubt, the most popular dark-colored variety.

Eckford's *Countess Cadogan*, also introduced last year, is a most charming bright blue of a lighter shade. It is vastly superior to *Captain of the Blues*, and is sure to become very popular for cut flowers.

The Most "Gorgeous" of All.

For a rich glowing orange we recommend BURPEE'S GORGEOUS and *Lady Mary Currie*, which are quite similar in shade, but distinct in form, the latter having a tall, pointed standard. Both are of a rich orange-salmon tint, with darker and richer veinings. A most distinct and striking shade.

The Best Orange-Pink.

Lady Penzance has been for years a great favorite, but is now surpassed by BURPEE'S ORIENTAL. This is the largest and finest in coloring of this type (unless we place *Lady Mary Currie* in the same class), and it does not fade under the hottest sun.

The Best Very Dark Varieties.

For the darkest and richest colors aside from *Navy Blue* we would plant *Othello*, a beautiful dark brown satiny finish; and *Duke of Westminster*, a deep maroon, both of the largest size.

All the above are self-colored flowers of the largest size and finest form in their respective colorings, these self-colored flowers being the most popular for bunching. Florists should include also the following fancy or variegated sorts to complete the finest assortment: GRAY FRIAR, violet-purple, watered veinings, and shadings on a silvery-white ground; PINK FRIAR, the same markings, but of a soft cerise-pink; AURORA, a grand, large, silvery-white flower, delicately striped and flaked with salmon-pink; WAWONA, white, striped with a beautiful heliotrope shade; LOTTIE HUTCHINS, daintily flaked with pink on a creamy-white ground; *Lottie Eckford* and MAID OF HONOR of the dainty "blue and white" blendings.

The above selections cover an extensive range of shades and colors, but our list of varieties offers many others of distinct shades, suitable for cut-flowers, from which florists can select those most desirable for their needs.

Burpee's Blue List for 1900.

A complete catalogue giving lowest prices possible for florists and market gardeners mailed free upon application. It is a book of 144 pages, giving much useful information and offering all the "Best Seeds that Grow."

W. ATLEE BURPEE & CO., Philadelphia, Pa.

Branching Aster Seed

White, Pink, Purple, Rose and Lavender. Separate colors, 75 cts. per oz. 1899 stock.

J. G. KEELER,
2 Fountain Street. ROCHESTER, N. Y.

ASTER SEED

Tall branching, mixed, choice strain. 75 cts. per ounce

Mignonette Seed. Allen's Defiance, $1.00 per ounce.

Pansy Seedlings. Reck's Strain, 35c. per 100. $3.50 per 1000.

Cash with order from unknown parties.

JOHN RECK, Bridgeport, Conn.

Grasses for Lawns.

Editor Florists' Exchange.

In answer to Mr. J. Chas. McCullough, of Cincinnati, O., I beg to say that the best lawns which we can have on the red soil of the lithostrotion bed of the subcarboniferous formation, where there is a good deal of shade, is orchard grass sown thickly upon the soil. It suits our climate better than any other grass grown under the shade. Even blue grass yields to it. Hon. N. B. Dudley, of Logan County, Kentucky, thinks it is the only grass that can be relied upon for wood pastures or what, in the North, would be called lawns. Hungarian grass or millets in any form are totally worthless for the purpose of making a lawn, but I beg to differ from Mr. McCullough concerning the value of timothy. While a lawn sown with timothy alone would be undesirable, yet a little of it adds to its beauty. Flint recommends it, and it is recommended in nearly all mixtures that are on the market. The fact is, that the larger the number of grasses sown on a lawn the longer it will last in the State of Tennessee. In the North, where the weather is cooler, it is much easier to make a lawn than it is in the South, and it is very difficult to keep a lawn green in Tennessee during the months of July, August and September. Orchard grass during these months serves an admirable purpose. Nor does orchard grass grow in stools when sown thickly. I have had some most beautiful wood pastures in front of my dwelling by sowing from two to two and a half bushels of orchard grass seed to the acre during the latter part of March. Not a tussock would appear for two years or more. The soil rests upon red clay, which yields sufficient moisture to keep the grass growing throughout the Summer. No other grass, in my opinion, would keep green under such large oak trees.

Critics often apply experiences they have had on certain soils and in certain latitudes to the whole country. This will not do at all. A local knowledge is essential to success in all agricultural operations. J. B. KILLEBREW.

Tennessee.

Carnation Night at Tarrytown.

The regular monthly meeting of the Tarrytown Horticultural Society was held Thursday evening, the 25th ulto., and despite the somewhat unfavorable weather about 40 members were present. After the reading of the minutes Mr. Cockburn introduced the newly elected officers. President Turner, on taking the chair, in outlining his policy, said, among other things, that he hoped at our meetings good cultural subjects would be freely discussed; exhibitions would be a special feature, and an early preparation would be made for the principal show in November.

The evening was devoted to carnations and excellent exhibits were staged. The president was awarded a certificate of merit for a collection of six varieties, in the pink of perfection, including New York, Mayor Pingree, Gold Nugget, Mrs. James Dean, G. H. Crane and White Cloud. Honorable mention was given to John Egan & Son, North Tarrytown, for a vase of Albertini; also to Cooke & McCord for a vase of John Young.

Wm. Scott led the discussion. He said among other things that it was foolish for private gardeners to stick to the older varieties, and advised all to get into line or they would be out of the running. His choice of varieties was for pinks, Mrs. Lawson, Mrs. Jas. Dean and Cerise Queen; scarlet, Hector, for a bright glowing color, but Crane as the best all through. White Cloud was easily the best white at present. He was still looking for a good yellow, and personally he got more satisfaction from Eldorado than from any of the newer introductions. Streaked, Mrs. Bradt; Lily Dean would be superseded by J. Whitcomb Riley. No. 666 was a combination of color that might not suit everybody, but it appeared to be the forerunner of a class that we had not yet seen.

J. I. Donlan gave a very interesting retrospective sketch, dealing with the carnation from its known introduction (in official record) into this country up to the present time, and characterizing it as the most interesting flower to date. Since its introduction, in 1863, about 500 varieties had been in commerce, of which not 50 now survive.

President Turner spoke of the results he had obtained by growing his plants indoors all Summer. White Cloud and Mayor Pingree were decidedly better thus treated, but Bradt, Melba, Maceo and others, which he had tried, were more satisfactory when grown outside and transferred in the ordinary way.

P. O'Mara, New York, sent a donation of $5, which the society resolved to use as a special premium. F. R. Pierson Co. offered a special premium of $25 for the best 12 blooms of Col. D. Appleton chrysanthemum, to be competed for at the next chrysanthemum show. These the society gladly accepted.

JAS. T. SCOTT,

W. C. BECKERT SEEDS VEGETABLE FLOWER BULBS ALLEGHENY, PA. 1885

Semple's Aster

Choicest Home-Grown Seed, in white, shell-pink and lavender,
¼ oz., 25c.; oz., $1.00.
Catalogue on application, of leading flower and vegetable seeds for florists and market-gardeners.

W. C. BECKERT,
Allegheny, Pa.

Mention the Florists' Exchange when writing.

DANISH CAULIFLOWER SEED.

Early Dwarf Danish Snowstorm, selected up by my grower for a quarter century. Always uniformly good, solid, large white heads and early.
No matter what you pay, you cannot get a finer strain. Oz., $2.50. Sample free.

Fringed Hollyhock, Allegheny, new, oz., $2.00.
Prices on quantity on application.

A. E. WOHLERT, Importer, Altoona, Pa.

Mention the Florists' Exchange when writing.

CANNAS

Cash price per thousand, $10, $15, $20.
Lowest prices per hundred.

MIXED CANNAS Per 1000, $10.00.
40 varieties. List on application.

WILLIAM STUPPE, Hollis, L. I., N. Y.

Mention the Florists' Exchange when writing.

Carnation Selling and Wholesalers.

Editor Florists' Exchange.

What would the cut flower business amount to without roses? When these are scarce, as they are at the present time in all the large centres of the United States, the sales for the week or month drop very materially. The carnation, in its class, is of just as much value as the rose; but it is not in the same class as the rose. I believe there is hardly a retailer who will not tell you that it is much easier to sell a rose that costs, at wholesale, 6c. or 7c. at a better profit, than it is to sell a fancy carnation costing the same money. I believe, too, that the carnation has arrived at a size large enough, and that what the growers want, what the retailers want, and what the trade in general wants, is a fancy type of carnation that will produce two-thirds as many blooms as the ordinary commercial sorts, and that will sell for one-third more money. When this is done, the fancy carnation will be on a paying basis.

I notice that A. M. Herr advocates making bargains with the retail trade to buy the fancy carnations at a paying price to the grower. I should like to know what Mr. Herr considers a paying price; and I should also like to know how much more it costs to grow Ethel Crocker than it does to grow Scott, Portia, Daybreak and other commercial sorts. Mr. Herr has always advocated selling cut flowers, and especially carnations, direct to the retailer, keeping these flowers out of the hands of the commission man. Let me ask where the cut flower business of the United States would be to-day if it were not for the commission man? Would these large ranges of glass that are continually building, would the rooted cutting business and numerous other branches, be carried on so extensively if you peddled your cut flowers from door to door, as you were wont to do before the advent of the commission man? Would you be getting as good prices for your stock? Who has built up and established uniform prices for cut flowers? Did the retailer do it? No, if he wanted your stock he would buy it at his price, or you could take it home and consign it to the dump. It is the wholesale man who has made the cut flower business what it is to-day, and if the wholesalers were to all drop out the growers of cut flowers would find that it would cost them much more than the 15 per cent. allowed commission to sell their product. Talk is cheap, but it takes money to buy diamonds.

E. G. GILLETT.

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogues on application. Send estimate of wants for prices.

THE WM. H. MOON CO., GLENWOOD NURSERIES, **Morrisville, Pa.**

Mention the Florists' Exchange when writing.

Grape Vines

Descriptive and Price List free.
Currants, Gooseberries and other Small Fruit Plants. Extra quality. Warranted true.
T. S. HUBBARD CO., FREDONIA, N. Y.
Mention the Florists' Exchange when writing.

TREES! TREES!

Norway, Sugar and Silver Maples
Norway Spruce and Arbor Vitæ.
WM. J. CHINNICK, Trenton, N. J.
Mention the Florists' Exchange when writing.

CLEMATIS

Small snug plants, to pot for Spring sales, from best varieties, per doz., $1.00; per 100, $8.00. Free by mail or express.
F. A. BALLER, Bloomington, Ill.
Mention the Florists' Exchange when writing.

AMERICAN ELMS

8 to 10 ft., 1 to 1½ in. caliper. 25 Elms, 6 to 9 in. caliper, fine specimens, well developed heads. Send for price list.

SAMUEL C. MOON, Morrisville, Bucks Co., **Pa.**

Mention the Florists' Exchange when writing.

THE PINEHURST NURSERIES,

OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.

Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda ovida, Fothergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Chlora marians, Dionea muscipula, Lupinus diffusus, Phlox subulata, Sarracenias, etc., etc. **Ask for Trade Lists.**

Mention the Florists' Exchange when writing.

SURPLUS FOR SPRING 1900

Can yet do PEACHES and JAPAN PLUMS in limited quantity; also MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY, STRAWBERRIES from best leading varieties. Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.

ALEX. PULLEN, PROPRIETOR.

Mention the Florists' Exchange when writing.

EDWARD B. JACKSON,

WHOLESALE FLORIST

Hardy Herbaceous Plants Only

In any quantity, for the least money.

STAMFORD, CONN.

Mention the Florists' Exchange when writing.

YOU MAY WANT

1000 LORILLARD TOMATO PLANTS, 2½ in., fine, $2.00 per 100 straight.
500 extra fine, 3½ in., ASPARAGUS SPRENGERII, 12 in., bushy, fine color, 8c. straight.
GOLDEN GLOW, divided clumps, 4c.
TRITOMA UVARIA, 4c. Cash, please.

BENJ. CONNELL, Florist, **West Grove, Pa.**

Mention the Florists' Exchange when writing.

Bismarck Apple

DWARF.

Large stock, strong 3 year trees, also light plants for mail and express trade. Write for prices, stating grade and quantity required.

Thomas Meehan & Sons, Germantown, Phila.

Mention the Florists' Exchange when writing.

100,000 PRIVET

	Per 1000		Per 1000
1½-2 ft.	$20.00	3-4 ft.	$35.00
2-3 ft.	30.00	4-5 ft.	45.00

Usual Assortment of ROSES, including Crimson Rambler.

HIRAM T. JONES, Union County Nurseries,
ELIZABETH, NEW JERSEY.

Mention the Florists' Exchange when writing.

CALIFORNIA PRIVET CUTTINGS

From choice plants, grown at the sea shore, for sale. In view of the immense demand for Privet, nurserymen should increase their stock of this favorite hedge plant.
Send $1.25 for sample of 1000 cuttings.

Atlantic Coast Nursery, 606 Fourth Avenue, Asbury Park, N. J.
JAMES H. CORNELL, Prop.

Mention the Florists' Exchange when writing.

NORWAY MAPLES.

1000 8 to 10 feet.
1000 6 to 7 "
700 4 to 6 "
700 3 to 4 "
100 1 to 2 "

IRISH JUNIPERS.

500 3 to 4 feet.
500 2½ to 3 "
500 2 to 3 "

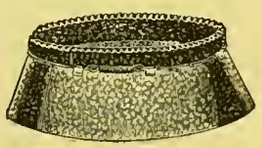
10,000 Peach Trees, General Assortment

The Maple and Juniper will be sold at very low prices in order to close out.

C. L. LONGSDORF,
Oak Hill Nurseries, Flora Dale, Adams County, Pa.

Mention the Florists' Exchange when writing.

A Picture of the....



EXPANSIVE TREE PROTECTOR.

Absolutely prevents all worms and insects from crawling up fruit and shade trees. For agency, territory and prices, address

EXPANSIVE TREE PROTECTOR CO
ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

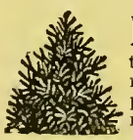
Just received from our Holland Nurseries

RHODODENDRONS,	AZALEAS,
SPIRÆA JAPONICA,	LILIUM SPECIOSUM
PÆONIES,	BLEEDING HEART
POT GROWN LILACS,	HYDRANGEA IN SORTS.

CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing.



HAVE purchased the Elgin Nurseries, containing more than seven millions of EVERGREENS, part on rented land that must be cleared this spring:

Colorado Blue Spruce, 2 to 3 ft....$25.00 per 100
Douglas Spruce, 1½ to 2 ft. ..... 10.00 "
Douglas Spruce Seedlings, 6 to 8 in. 8.50 per 1000
Hemlock Spruce, extra quality, 1½ to 2 ft..... 10.00 per 100
Balsam Fir, 1 to 1½ ft..... 35.00 per 1000
White Pine, 1½ to 2 ft..... 50.00 "
4,000,000 Seedling White Pine, 6 to 8 in..... 5.00 "
Ponderosa Pine Seedlings, 10-12 in. 10.00 "
Six Acres Dwarf Mountain Pine, 3 to 4 ft. good quality. $10.00 per 100; 5c. each in car lots.
Several Million of Arbor Vitæ—In fact everything in the line of Hardy Evergreens, and any size desired. Write at once for Trade List and Special Prices.

D. HILL, Dundee, Ills.

EVERGREEN SPECIALIST.

TREES Fruit Trees, Small Fruits, including grapes. Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. **Rochester, N. Y.**

Mention the Florists' Exchange when writing.

F. & F. NURSERIES SPRINGFIELD, NEW JERSEY.

Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.

Mention the Florists' Exchange when writing.

THE STORRS & HARRISON CO., Painesville, Ohio,

Desire to call the attention of Florists and Nurserymen to their 40 acres of HARDY ROSES, their complete assortment of FRUIT and ORNAMENTAL TREES and SHRUBS, and their 44 Greenhouses of ROSES, PALMS, FICUS, FERNS, ETC.

Correspondence and personal inspection solicited. Trade List and Catalogues free.

Mention the Florists' Exchange when writing.

EASTER AND SPRING, 1900 Orders Filled and Booked Now for the Fall. . . .

RHODODENDRONS $35.00 to $65.00 per 100.
LILACS in all varieties, for forcing, $45.00 per 100.
H. P. ROSES all true to name, $75.00 per 1000; $10.00 per 100.
CRIMSON RAMBLERS extra, $20.00 per 100.
AZALEA Mollis, from $25.00 to $35.00 per 100. Pontica, from $35.00 to $45.00 per 100.
PAEONIAS in variety, from $10.00 to $15.00 per 100.

GLADIOLUS, The Bride $5.00 to $7.00 per 1000. All colors, mixed, No. 1, $9.00 per 1000. All colors, mixed, No. 2, $7.50 per 1000. Light and white, $14.00 per 1000.
TUBEROSES, The Pearl 4x6, $6.50 per 1000.
GLOXINIAS ERECTA Extra, $40.00 per 1000.
TUBEROUS ROOTED BEGONIAS— Single, separate varieties, $25.00 per 1000. Double, separate varieties, $40.00 per 1000.

All varieties of LILIES on hand.

CYCAS REVOLUTA The true long leaf variety, will arrive in April. Write for special prices to

F. W. O. SCHMITZ, Jersey City, N. J

Mention the Florists' Exchange when writing.

RHODODENDRONS

IN BEST FORCING SORTS.

10 to 12 buds	per doz.,	$6.00; per 100,	$45.00
12 to 18 "	"	9.00; "	65.00
18 to 25 "	"	12.00; "	90.00

Extra large specimen plants, $2.50 to $5.00 each.

AZALEA MOLLIS

30 to 40 buds, $4.50 per doz., $35.00 per 100.

Tuberoses Double Pearl, 4 to 6 inch bulbs, $1 per 100; $7 per 1000.
Dahlias, Dormant Roots, Double mixed vars., tall and dwarf, $5.00 per 100; $40.00 per 1000.
Paeonia Sinensis, Mixed..... $10.00 per 100. White..... 15.00 per 100.
Caladium Esculentum—
Mammoth Bulbs..... $10.00 per 100.
Extra selected..... 7.50 "
Extra..... 5.50 "
Ordinary..... 3.50 "
Japan Ball Ferns, $4.00 per doz.; $30.00 per 100.
Tigridias, 4 varieties, $3.00 per 100.
Azalea Ghent, varieties, $5.00 per doz., $40.00 per 100.
Crimson Rambler, in bush form, per doz., $3.00; per 100, $20.00.
Yellow, Pink, White Rambler, same price.
Crimson Rambler, in standard or tree form, extra heavy, per doz., $4.50; per 100, $35.00.
H. P. Roses, in variety, $10.00 per 100.
Paeonia Officinalis, Rubra Plena.. $10.00 per 100.

Spiraea Japonica..... $3.50 per 100
" Aurea Reticulata, 10.00 "
" Astilboides Floribunda.. 5.00 "
Palmata, crimson..... 6.00 "
Gloxinia, Named varieties, as follows: Mont Blanc, pure white; Defiance, scarlet; Progress, red white bordered; Patric violet, white bordered; also a limited quantity of Kaiser Frederich and Kaiser Wilhelm, the best varieties out, $4.00 per 100.
Lily of the Valley, Berlin Pips, XX, $10 per 1000. Hamburger Pips, $9 "
Gladiolus May,..... $2.00 per 100

Gladiolus, Light and White varieties—

	100	1000
Selected Bulbs.....	$1.50	$12.50
Lemoines Hybrids.....	2.00	15.00
Good Mixed.....	1.00	8.00

Begonia, Tuberous Rooted, single 2.00 17.00
" double 5.00 45.00
Separate colors, both double and single, white, pink, scarlet, yellow and orange.
Gloxinia Fine Mixture, $2.75 per 100; $25.00 per 1000.
Canna Dormant Bulbs, All popular varieties our selection, $2 a 100 $15.00 per 1000. Write for list of names.

BOBBINK & ATKINS, RUTHERFORD, N. J.

Nurseries and Cellars at Carlton Hill, N. J.

Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

GERMAN florist, 2 years in this country, all around in greenhouses, wishes position. L. Geh, 1030 Willoughby Ave., Brooklyn, N. Y.

SITUATION wanted, by young man with one years' experience, for general greenhouse work. Henry Bauer, 385 East 10th St., New York.

WANTED. Situation with florist, to learn the business, by young man, single; willing to work. Address L. K., care Florists' Exchange.

SITUATION wanted by a German, all-around florist, with 13 years' experience. Address Wm. Finck, 17 Cambridge street, Boston, Mass.

AN all-round man wants a situation on a private or commercial place, as assistant or working foreman; good references. L. R., care Florists' Exchange.

SITUATION wanted by a florist gardener; age 32; experienced grower carnations, greenhouse stock etc.; strictly sober. R. F., 92 East 5th st., Brooklyn, N. Y.

SITUATION wanted, by an experienced nurseryman, can furnish No. 1 reference, age 25 years, single. Address John G. Kerns, Pitman Grove, Gloucester Co., New Jersey.

SITUATION wanted, by German florist; married; 19 years' experience, competent in all branches can take charge; Maryland preferred. Frank P. Tauser, care George M. Lorentz Marietta, Ohio.

YOUNG Scandinavian, 22, wishes situation for general greenhouse work where he can advance; one year's experience in this country and one year in England. Address L. M., care Florists' Exchange.

SITUATION wanted, middle February, by young German, 25. Sober, honest; 9 years' experience in all branches of the trade. By the week. Around Chicago preferred. Florist, care Donfort, 1013 2nd ave., Brooklyn, N. Y.

SITUATION wanted, by an Englishman, 18 years' experience in growing of orchids, roses, ferns, palms, carnations, violets, 'mums, Easter and bedding plants; first-class decorator and designer, good salesman. Age 32, total abstainer, good references. Address L. N., care Florists' Exchange.

TO NURSERYMEN—Wanted to form connection with first-class firm as salesman, carry out landscape work, etc., understands surveying, leveling, draughting plans, road making, etc., thorough knowledge of hardy trees and shrubs and all branches of horticulture. Can give irreproachable references as to character and ability. L. P., care Florists' Exchange.

HELP WANTED.

WANTED at once, good steady single man who understands general greenhouse work; a steady place to the right man; references. Address Carrier Bowers, Somerville, Mass.

WANTED at once, as assistant in greenhouse, a young, single man with good references, German preferred; state wages wanted with board and room; steady place the year around. Eat. G. Geduldig, Norwich Conn.

WANTED single man for general greenhouse work; good worker, sober and steady; permanent position and prompt pay; state age and experience, and wages wanted with board. L. O., care Florists' Exchange.

WANTED—A first-class foreman for nursery; a thoroughly practical, experienced man, familiar with propagating all kinds of fruits, shrubs, etc. Must be sober and industrious. Apply with references to L. L. May & Co., St. Paul, Minn.

WANTED.

Good all-round man, married preferred, to take charge; must be honest and sober. Address L., L., care Florists' Exchange.

WANTED.

A thoroughly competent man acquainted with the seed, plant and bulb business, references required. P. O. Box 168, Providence, R. I.

MISCELLANEOUS WANTS.

WANTED to rent between now and first of June range of rose houses, not less than 1000 feet, in good condition; give full particulars. Ernst F. Hoehl, 55 Hillside Ave., Madison, N. J.

WANTED TO RENT.

Range of glass, 10,000 to 12,000 feet, must be in good condition. State full particulars.

E. SMITH, 375 Arlington Av., Bklyn, N.Y.

Mention the Florists' Exchange when writing.

FIRES.

MIDDLETOWN, N. Y.—Fire in one of Lynch's greenhouses, January 27, was the cause of considerable damage, all the plants therein being frozen.

CINCINNATI.—An overheated furnace caused a blaze in a greenhouse owned by William Nolan, at Woodburn and Forrest avenues, January 26, the damage being about $25.

BUSINESS OPPORTUNITIES.

CHEAP on account of ill health, 6000 feet glass, free fuel; big chance for lettuce or flowers; only $800 cash; balance time. K. J., care Florists' Exchange.

FOR SALE. Greenhouse, 10x60, heated by flue shed 10x15, frames, stock, furniture; to let-house, 7 rooms, lease 5 years, rent $10.00, suit jobbing gardener. Childs, Clinton Avenue, Plainfield, N. J.

WITHIN 45 minutes of New York, on high ground, 6 acres, 200 feet modern greenhouse. 100 feet violet house, propagating house and work room, hot water heating; 14-room modern dwelling, garden, grape arbor and fruit trees, all in good order. For sale on easy terms. Room 144, 39 Cortlandt St., New York City.

FOR SALE or rent. Greenhouses and 8 acres of land, within 5 miles of center of Philadelphia, in an improving district; 45,000 feet covered with glass, steam heated, stocked with roses, carnations, asparagus, smilax, violets, etc.; 12-room dwelling, stable, 7 tenant houses. For further particulars address Evans' Rowlandsville Nurseries, Station F, Philadelphia, Pa.

FOR SALE. Two and four-fifths acres good soil dwelling house, 6 rooms, 240 hotbed sash, stable, sheds, 3 brand new greenhouses, 21x101 ft., 16x24 glass, all locust posts, equipped with Hitchings & Co. improved No. 57 Boiler and Hitchings ventilating apparatus, steam pump and boiler, and all implements and stock; cause for selling, death in family. Has to be seen to be appreciated. Any one who wants to take advantage of a good opportunity address Nicholas Rothar, Central Ave., cor. Moffat St., Brooklyn, N. Y.

FOR SALE.

Large greenhouse plant, established wholesale and retail business, well-stocked and in good condition. Write for particulars, etc.

B. F. BARR, Lancaster, Pa.

FOR SALE CHEAP.

Three Greenhouses, 20x80 feet, all improvements, and residence on property. Good location, near New York. Three minutes from R. R. Station. Rare chance, liberal terms. Address MILLER & CHRIST, New Byde Park, L. I., New York.

FOR SALE.

A Greenhouse Plant of 36,000 square feet, situated between two flourishing cities of 37,000 and 166,000 population, respectively. Four lines of electric cars pass the door. Houses are equipped with Berendeen Boilers and have every modern appliance, all stocked with roses, carnations, ferns and all plants pertaining to this business. Will be sold at a great sacrifice, as owner has outside business interests and cannot give Greenhouses personal attention. Address J. V., care Florists' Exchange.

FOR SALE.

Greenhouses that cover over one-half acre, to be moved this coming summer. The glass is nearly all 16x24, double thick, first quality, capable of covering 15,000 Roses, besides several thousand feet good for growing Violets or Carnations. Boiler power can heat one-half as much again; all the pipes and valves that heat them now by steam, ventilators and lifting apparatus; iron columns and iron frames. Most of the sash bars are as good as new. All for $2,500. A stock of young Roses can be got here for one-half price. Owner will give valuable advice and assistance in moving them. This ad. may appear but twice.

Address L., C. care Florists' Exchange.

MISCELLANEOUS.

FOR SALE, 300 boxes 10x12 double thick second-hand glass, at low price. Reed Glass & Paint Co., 436 West Broadway, New York.

Mention the Florists' Exchange when writing.

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN

WILSON J. PETERS, Troy, O., President; D. S. LAKE, Shenandoah, Ia., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

Bridgman, Mich.—R. J. Stahelin has sold out his nursery interests here to O. A. E. Baldwin.

The Eastern Association of Nurserymen, at its recent meeting in Rochester, N. Y., adopted a resolution deprecating any attempt to amend the New York State law relating to the inspection of nursery stock. The law is satisfactory they say, and they believe there has been too much scale legislation.

Virginia State Horticultural Society.—The annual meeting of this society was well attended, some 50 visitors being present. The annual election of officers resulted as follows: President, J. Van Lindley, of Greensboro; vice-president, Prof. W. F. Massey, of Raleigh; secretary, T. L. Brown. Executive Committee—President Van Lindley, Dr. George T. Winston and Prof. W. F. Massey. A committee was appointed to memorialize the General Assembly for an annual appropriation, with which to publish the proceedings of the society and papers presented. Another committee was named also to confer with the Board of Agriculture and secure financial assistance for the control of crop pests.

Nurserymen and the San Jose Scale—A principal topic of discussion at the meeting held at Rochester N. Y., last week, of the Western New York Horticultural Society, was the San José scale. S. D. Willard, of Geneva, said this scale is more generally distributed throughout the state than is supposed, including Wayne, Niagara, Chautauqua, Cayuga and other counties down the Hudson and on Long Island. The society passed the following resolution thereanent:

"*Resolved*, That the 500 members of the Western New York Horticultural Society, now assembled, would unite in urging the Legislature now in session to enact such laws as shall compel inspection and treatment or destruction of all infected trees, and to compel the fumigation of all nursery stock raised or brought into the state or offered for sale."

The valueless character of the present certificate of inspection as a guarantee of clean stock was testified to by the statement that stock had been received which was alive with the scale, although in a package bearing the inspection certificate.

The Western New York Horticultural Society held a remarkably successful meeting in Rochester on January 24 and 25. The attendance was large and enthusiasm was apparent in all the discussions. The papers presented were of more than the usual interest to fruit growers. At the opening session G. T. Powell, of Ghent, N. Y., read a paper on "The Present Status of Fruit Growing Interests of New York and Its Relation to Land Value." He advocated the raising of fruit instead of grain, and cited figures to show its greater net profit. In the evening Prof. M. V. Slingerland, Entomologist of Cornell University, read a paper on "Some Insect Experiments of 1899," which he made doubly interesting with fine lantern slides. In the same connection the exhibit of insects injurious to fruit trees, made by Prof. E. P. Felt, State Entomologist from the New York State Museum, attracted great attention. Probably the most important topic of discussion was the San José scale. After explaining many of the infection characteristics of the scale Professor Slingerland said he could not say positively whether fumigation would destroy the eggs of the scale. Professor Roberts, of Cornell, resented the insinuation that the experimental stations were not permitting it to be known where infested districts are, and asked for specific information in order that the scientists may co-operate to prevent the spread of the scale. He read a scientific paper in explanation of the soils and nutriment required by different kinds of plants and the treatment they should receive. An interesting paper on "Shade Trees for Avenues and Streets" was read by John Dunbar, assistant superintendent of parks in Rochester. Other papers were: "Some Thoughts on Strawberry Culture," by L. J. Farmer, of Pulaski, N. Y., and "The Fertilizing of Orchards," by S. T. Maynard, Horticultural Department, Massachusetts Agricultural College.

After full discussion resolutions were adopted, agreeing to co-operate with the Pan-American Exposition, to be held at Buffalo, this state, from May 1 to October 31, 1901, and asking that the management of the exposition make a class in the fruit department for exhibits by societies which have been established for more than two years. President Barry appointed as a committee, to take charge of and arrange for exhibit of fruit from Western New York at the Pan-American Exposition, Messrs. S. D. Willard, Geneva, N. Y.; H. S. Wiley, Cayuga, N. Y., and J. S. Woodward, Lockport, N. Y. The exhibits of fine fruit were specially fine. The list included: By Ellwanger & Barry, 40 varieties of native grapes, 70 of apples, 40 of pears. In grapes, the Columbian, a dark red sort noted for size of berry; Mills No. 1, Barry, Massosoit and Dinna, and among apples the Rose Beauty, Sutton Beauty and Stark attracted much attention. The Ballarat seedling has great promise as a late keeping cooking sort. By King & Robinson, Trumansburg, N. Y., a plate of especially fine Vergennes grapes; by W. A. Bassett, of Farmers, N. Y., Peck's Pleasant, Belmont, Greening and King apples; by Albert Wood & Son, Carlton Station, N. Y., a striking pyramid of apples and pears; a large display of 30 varieties of apples by the State Experiment Station at Geneva; by C. L. Sterns, of Syracuse, N. Y., a showy and promising seedling apple; by A. M. Smith, St. Catharines, Ontario, specimens of Princess Louise, a seedling resembling in flavor, color and size the Maiden's Blush; by James Craib, Brighton, N. Y., specimens of red Beltigheimer; by Luther Collamer, of Milton, fine King, Baldwin, Greening, Twenty Ounce and other apples; by Curtice Bros., Rochester, canned fruits; many mechanical appliances by the Deming Co. An exhibit that attracted great attention was the Expansive Tree Protector Co.'s new hand for keeping insects from going up trees. The poisonous insecticide put beneath the felt band around the tree was especially commended as effective for six months after it is put on.

The officers elected for the ensuing year are: President, William C. Barry, Rochester; vice-presidents, S. D. Willard, Geneva; George A. Sweet, Dansville; W. R. Smith, Syracuse; C. M. Hooker, Rochester; secretary and treasurer, John Hall, Rochester. Executive Committee—C. M. Hooker, Rochester; E. M. Moody, Lockport; Wing R. Smith, Syracuse; George D. Atwood, Geneva; H. S. Wiley, Cayuga.

C. P. W

Treatment of Shipments of Plants That Are Frozen.

It not infrequently occurs that plants shipped late in the Fall or during the Winter season, in mild weather, are caught en route by severe weather and become frozen. Many persons would think them perhaps fatally injured and of little value; but they should consider them as in about the same condition as any other plants which may be planted out and are subject to just as great frost. Exposure to frost is not harmful, provided the plants may thaw gradually, unexposed to light and heat. The best plan, therefore, is to let the box remain unopened, and put it in a cool cellar. It may take a week or more to thaw out, but under proper conditions there will be no harm done.—Meehan's Monthly for February.

Firms Who Are Building.

CHATTANOOGA, TENN.—John Evers has completed several greenhouses on his truck farm.

SUDBURY, MASS.—Fred. Eaton, who recently purchased a tract of land here, will build greenhouses and go into carnation growing.

CHANGES IN BUSINESS.

HUNTINGTON, PA.—The firm of Swivel Bros. was dissolved January 27, Thos. J. Swivel retiring. He has accepted a position in Los Angeles, Cal. The business will be conducted and controlled by J. E. Swivel.

SPRINGFIELD, MASS.—The Stafford Floral Company has bought three modern greenhouses. This addition to the company's plant will about double its capacity.



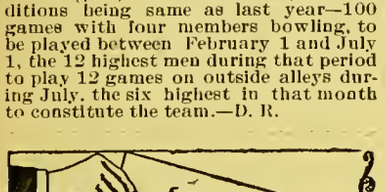
Flatbush, N. Y.—The members of this club will meet at 4 p. m., Wednesday the 7th inst., and go in a body to play in the tournament at West Hoboken, N. J. The scores rolled Thursday evening are as follows:

	1	2	3
A. Zeller	156	143	159
L. Schmutz	123	116	143
H. Dailledouze	68	101	134
Papa Zeller	97	79	87
P. Dailledouze	147	79	99
P. Riley	131	109	209
C. Wœrner	101	..	..
S. S. Butterfield	135	129	130

New York—The sporting committe of the New York Florists' Club would like to hear from all the captains of the bowling teams which intend to compete at the tournament to be held during the week of the S. A. F. Convention in New York next August before the first day of March. As the committee is anxious to have all details regarding the tournament regulated as soon as possible, captains of teams will greatly oblige by communicating at once with the secretary, Chas. Schenck, 38 West 28th street, New York City.

Next Wenesday evening, February 7, the first games of the three-cornered bowling tournament will be played on the alleys of the North Hudson Florists' Club, which, with the New York and the Flatbush Clubs, constitutes the trio. The prizes to be rolled for are six balls, one each for the winning team; the team making the lowest score to pay 60 per cent. of the cost, the second highest to pay 40 per cent. The place where the match will occur is Herflick's Alleys, near the corner of Sumuit avenue and Paterson Plank Road, West Hoboken.

Philadelphia—The tournament for the purpose of selecting the team for the bowling contest for S. A. F. Convention next August, started this week; the conditions being same as last year—100 games with four members bowling, to be played between February 1 and July 1, the 12 highest men during that period to play 12 games on outside alleys during July, the six highest in that month to constitute the team.—D. R.



(17) **A Whitewash for Palm Houses.**—The best shading liquid for palm houses is a thin mixture of naphtha and white lead.

(18) **Carnations Weak in Stem.**—Why are my Scott and McGowan carnations weak in stem—Scott is very weak. They are planted in old horse manure, with a little sand and other dirt mixed. Temperature 40 degrees at night; days it has been 70, and lately 70 degrees at night. I give air each day from two sash. I have just given a dressing of wood ashes.—ENQUIRER.

—Horse manure with a little sand and dirt mixed with it is not the right compost in which to grow carnations; neither is a night temperature which ranges from 40 to 70 degrees suitable for them. The weak stems can be traced to both these causes, and we would suggest that a top dressing of good fresh soil be put on the benches and made rather firm; that the night temperature be kept between 48 and 52 degrees, and that pleuty of air be given the full length of the house (instead of at two sash) when the weather will permit.

(19) **Diseased Latania and Pandanus Leaves.**—We have examined the specimens of pandanus and latania sent to you by Mr. A. L. Patch, of Rockledge, Florida, and find they are both affected by some fungus disease. The fungus on the pandanus could not be identified, as it was not in fruit. That on the latania was apparently a species of phyllosticta. It would probably not be advisable to attempt to spray these plants, as the effect of the various spraying compounds upon them has not been determined. Probably the best treatment would be to cut off and burn the affected leaves, as in this way the fungus will be prevented from developing its spores.—B. F. GALLOWAY.

CATALOGUES RECEIVED.

E. J. HOLL, Olyphant, Pa.—Price List of Strawberry Plants.

W. ATLEE BURPEE & Co., Philadelphia.—Wholesale Catalogue of Seeds.

JOHNSON & MUSSER, Los Angeles, Cal.—Illustrated Catalogue of Seeds, etc.

PLANT SEED COMPANY, St. Louis.—Wholesale Price List of Flower Seeds.

COLE, Pella, Ia.—Descriptive Catalogue of Garden, Field and Flower Seeds.

H. CANNELL & SONS, Swanley, Kent, Eng.—Complete Catalogue of Seeds. Illustrated.

HENRY F. MICHELL, Philadelphia.—Price List of new pink carnation "Mrs. Betram Lippincott."

J. ROSCOE FULLER, Floral Park, N. Y.—Garden Annual for 1900, of Plants, Seeds, etc., fully illustrated.

HARLAN P. KELSEY, Boston, Mass.—Catalogue of Hardy American Plants and Carolina Mountain Flowers.

F. H. THOMPSON & Co., Houston, Tex.—Illustrated Catalogue of Seeds (Flower, Field and Farm), Supplies, etc.

BAKER BROS., Fort Worth, Tex.—Price List of New Evergreen "Rosedale Hybrid;" also of the Eagle Evertearing Plum.

W. B. LONOSTRETH, Gratiot, Ohio.—Annual Catalogue of Garden and Flower Seeds, Gladiolus and Tuberose Bulbs, etc.

S. T. WALKER, Forest Grove, Oregon.—Price List of Sweet Peas, classified by colors, and including the newest varieties.

GEORGE H. MELLEN Co., Springfield, O.—General Catalogue of Plants, Small Fruits, Supplies, etc., Roses a specialty.

F. DORNER & SONS Co., Lafayette, Md.—Descriptive Price List of all the New and Standard Varieties of Carnations.

PLANT SEED COMPANY, St. Louis.—Illustrated Descriptive Catalogue of Vegetable, Farm and Flower Seeds; with a list of novelties in each.

GOOD & REESE Co., Springfield, O.—Price List of Roses, Ferns, Palms, Cannas, Chrysanthemums, Carnations, etc. Roses a specialty. Illustrated.

CONARD & JONES Co., West Grove Pa.—New Floral Guide for 1900; a comprehensive catalogue of roses, cannas, and other miscellaneous plants.

W. J. GODFREY, Exmouth, South Devon, Eng.—Supplementary Catalogue of Chrysanthemums, including selections of the best varieties and novelties.

F. SANDER & Co., St. Albans, Eng. (A. Dimmock, 60 Vesey street, New York, agent).—Special trade offer of orchids; also Price List of Azaleas, Palms, Baya, etc.

BARR & SONS, 12-13 King street, Covent Garden, London.—Seed Guide for 1900—Valuable for its completeness, and the full list of novelties and specialties it contains.

RICHARD VINCENT, JR., & SON, White Marsh, Md.—Wholesale Price List of Vegetable and other Plants. This firm has 2½ acres of glass specially devoted to the growing of vegetable plants.

WILLIAM TOOLE, Baraboo, Wis.—Guide to Pansy Culture, being a catalogue of Premium American Pansy Seeds; giving valuable cultural hints; also Price List of Flowers and Plants.

WEEBER & DON, New York.—Catalogue of Vegetable, Flower and Agricultural Seeds, Tools, Plants, etc. Contains very valuable lists of novelties, and a well-selected enumeration of standard sorts.

JOS. BRECK & SON, Boston.—Annual Descriptive Catalogue of Seeds, etc.—very complete. A feature of this year's catalogue are photos of several of the firm's customers, some of whom have been such for the long periods of 60 and 50 years.

IOWA SEED COMPANY, Des Moines, Ia.—Thirtieth Annual Catalogue of Seeds, Bulbs, Plants, Tools, etc., illustrated. "Prosperity collections" a feature. Also abridged seed catalogue printed in German, and Price List of Fancy Fish and Sea Shells, Birds, etc.

R. & J. FARQUHAR & Co., Boston, Mass.—Illustrated Catalogue of Seeds, Plants, Bulbs, Tools, Sundries, etc., with a full list of novelties and specialties. The firm has selected as cover illustrations handsome colored representations of Canna H. Wendland and Begonia Gloire de Lorraine nana compacta.

NANZ & NEUNER, Louisville, Ky.—Floral Catalogue for 1900; Roses a Specialty. The present is the jubilee edition of the firm's catalogue, the concern having been started by the late Henry Nanz in 1850, with one greenhouse 12x20 feet. Thirty acres are now devoted to the uses of the various branches, with 60 greenhouses.

THE STORRS & HARRISON, Painesville, O.—Plant and Seed Catalogue.—A very complete and profusely illustrated catalogue, the list of roses being particularly large; also those of ornamentals and small fruits. The firm has selected this year as cover illustrations representations, in color, of a red rose and Acalypha sanderi. The pamphlet is well printed in large type.

ONLY A FEW WEEKS MORE

TILL PLANTING SEASON. **ORDER NOW**

Hardy Low-Budded Roses

(For list of Varieties, see FLORISTS' EXCHANGE Jan. 13.)

Tree Roses, Hardy Azaleas, Rhododendrons, Clematis, Hydrangeas, etc., etc.

BULBS AND ROOTS FOR SPRING PLANTING.

Begonias, Caladiums, Cannas, Dahlias, Gladiolus, Maderia Vines, Paeonies (Imported), Lilium Auratum, Speciosum Rubrum, and Album, Tuberoses (Seconds, Firsts, and Monster Sizes).

Just received

FRESH ENGLISH "EXCELSIOR BRAND" MUSHROOM SPAWN,

35,000 FRESH PALM SEEDS, Kentia Belmoreana.

Price per case of 3500, $14.00.

SPIRAEA COMPACTA, ASTILBOIDES, and PALMATA ROSEA, COLD STORAGE LILY OF THE VALLEY, BEST BERLIN PIPS.

DO NOT DELAY sending in your orders AT ONCE, in time for Spring Importation.

For Prices, Address **C. H. JOOSTEN, Importer, 85 Dey Street, New York.**

Mention the Florists' Exchange when writing

20,000 Wm. Scott CARNATION CUTTINGS

Must be sold to make room, at $6.00 per 1000 or 4000 for $20.00. **Mrs. Joost**, $2.50 per 100, $20.00 per 1000. **Melba**, $3.00 per 100, $25.00 per 1000. **Flora Hill**, **Victor**, **Daybreak**, $1.25 per 100, $10.00 per 1000. **Mayor Plugree**, $1.00 per 100, $7.00 per 1000.

DOUBLE PETUNIA Strong plants, in 3 in. pots, $3.00 per 100.

GERANIUMS Mixed, 3 inch pots, $3.00 per 100.

Cash with order.

CARL E. TAUBE, Trenton, N. J.

MERCER FLORAL CO.

Mention the Florists' Exchange when writing

CARNATIONS

Clean, strong, healthy and well-rooted cuttings, of the following varieties, ready now.

	100	1000
Flora Hill	$1 50	$12 50
Victor	2 00	15 00
Daybreak	1 50	12 50
Evelina	2 00	15 00
Duke of York (Extra)	3 00	

JOS. RENARD, Chester Co., **Unionville, Pa.**

Mention the Florists' Exchange when writing.

Florist Gets a Verdict.

ELIZABETH, N. J., Jan. 27.—A jury in the case of Henry Leahy, East Broad street, against the Central Railroad Company, returned a verdict last evening for $1,044. One evening last Summer, while a drill engine was switching some cars on the company's tracks, a car jumped the track and shoved a lot of empty gondolas into the Leahy greenhouses, completely demolishing the latter and ruining a great many plants and flowers.

A Florist's Suicide.

TRENTON, N. J., Jan. 27.—William L. Marshall, manager of the Floral Company, committed suicide to-day by taking carbolic acid. Marshall's affairs with the company are straight and no cause for the suicide is known.

New Orleans, La.

The Horticultural Society, at its recent meeting, discussed the advisability of holding the annual exhibition in connection with the State Fair. President Emil Valdejo and C. W. Eichling were appointed a committee to see the Executive Committee of the fair and call a meeting of the association at an early date to decide the matter. One new member was elected.

CABBAGE PLANTS

Jersey Wakefield and other vars., from cold frame, transplanted, 25 cts. a 100; $1.50 a 1000; $12.50 a 10,000; if by mail, add 20 cts. per 100.

LETTUCE Boston Market, Tennis Ball, Curled Simpson, Grand Rapids, and other vars., 15c. per 100; $1.00 per 1000; $8.50 per 10,000; if by mail, add 10c. per 100.

Other vegetable plants in season. Cash with order.

TOMATO Small plants for transplanting, in several varieties, 15 cts. per 100; $1.00 per 1000.

PEPPER Small plants for transplanting, in several varieties, 25c. per 100; $2.00 per 1000. If by mail, add 10c. per 100.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS!

All stock enumerated below sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded. At 100 rates rooted cuttings will be shipped prepaid; at 1000 rates at purchaser's expense by express. **25 of a kind will be sold at 100 rates; 250 at 1000 rates.**

CARNATIONS See Florists' Exchange Jan. 27, or send for list.

COLEUS. We have enough wood to make 100,000 Coleus between now and spring. Our stock is free from mealy bug and in good shape.

Golden Bedder, Red Verschaeffeltii and **Yellow Verschaeffeltii.** 75c. per 100; $6.00 per 1000.

Besides the above sorts we grow 30 other best commercial varieties, which we can supply at 75c. per 100; $5.00 per 1000.

FUCHSIAS 25 varieties, best sorts, labeled, single and double. $1.25 per 100; $10.00 per 1000.

HARDY PINKS. We have 60,000 Hardy Pink Rooted Cuttings in cold house, well-rooted, and in excellent condition. 8 sorts as follows:

Her Majesty, giant white; **Alba Fimbriata**, white, fringed; **Brunette**, pink, with maroon markings; **Earl of Carlisle**, variegated maroon, rose and white; **Juliette**, cherry red, variegated pink and white; **Gertrude**, white, maroon markings; **Laura, Wilmer**, pink, with darker shadings, fringed; **May**, beautiful flesh pink, very fragrant.

$1.00 per 100; $8.00 per 1000.

Salvia splendens compacta, $1.00 per 100; $8.00 per 1000. **Lady Hume Campbell Violet**, clean, no disease; rooted cuttings from sand, 60c. per 100; $5.00 per 1000. **Double Petunia**, labeled, 25 sorts, $1.50 per 100. **Clematis Paniculata**, transplanted seedlings; nice, thrifty plants, $2.00 per 100. **Heliotrope**, light sorts, labeled, $1.00 per 100; $8.00 per 1000.

A. B. DAVIS & SON, Purcellville, Va.

(Near Washington, D. C.)

Mention the Florists' Exchange when writing.

FERN SPORES SOW NOW!!

WE ARE HEADQUARTERS.—Extra large packages of fresh spores, sufficient for 3000 plants, with full cultural directions, post-paid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, SHORT HILLS, N. J.

Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

Extra fine 3 in. Chinese Primrose in bud and bloom, $4.00 per 100 Asparagus Plumosus, 3 in., $8.00 per 100. Rex Begonia, 3 in., mixed, $4.00 per 100. Marguerite Daisy, large flowering white, 2 in., $3 00 per 100. Nephrolepis Cordata Compacta and Boston Fern. 2 in., $4.00 per 100. Kentia Belmoreana and Forsteriana, 4 in., nice plants, 40c. each.

Geraniums: S. A. Nutt, Poitevine, E. G. Hill, Double Grant, J. J. Harrison, 2 in., $3.00 per 100. Single Grant, Bruant, Murandi, Sam Sloan, La Favorite, 2 in., $2.50 per 100.
English Ivy, 2 in., $3 00 per 100.

NEW CARNATION KITTATINNY.

A new money making carnation; a white sport from Daybreak. Any one can grow it that can grow Daybreak, as it is identically the same in every respect except color, which is pure white; and with me it is a stronger grower and larger flower, and as a first-class all-round white can't be outclassed. Stock limited, and orders will be filled in strict rotation. Price per 100 Rooted Cuttings, $6.00.

Carnation, rooted cutting. Daybreak, Iago, Flora Hill, $1.25 per 100. Scott, Fisher, Portia McGowan, Alaska, Peach Blow, 75c. per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.
Mention the Florists' Exchange when writing.

ORCHIDS

We are headquarters in the United States for established and imported Orchids.
Our new price list for 1900 is now ready.
Cherry Wood Baskets, Fresh Moss and Peat.

LAGER & HURRELL,
Correspondence Solicited. SUMMIT, N. J.
Mention the Florists' Exchange when writing.

White ORCHID BLOOMS & OTHER CHOICE FORMS

WE deal in all Orchid growing Supplies: Plants, Pans, Baskets, Peat, Special Fertilizer and Manual of Culture. Circulars sent on request. WILLOWMEAD GARDENS, East Orange, N. J.
Mention the Florists' Exchange when writing.

PANSY PLANTS, Largest flowering show varieties unsurpassed quality, fine, large stocky plants, $3.00 per 1000; 500 at 1000 rates.

GUSTAV PITZONKA, Bristol, Pa.
Mention the Florists' Exchange when writing.

PANSIES

Large flowering strain, 50c. a 100; $2.50 a 1000.

Oxalis Floribunda, 2 in pots, $2.50 a 100.
100 each Bride and Bridesmaid, 2½ in. pots, $2 50.
Geraniums, 16 vars., 2½ in. pots, $3.00 a 100.
Cash with order.

JOS. H. CUNNINGHAM, Delaware, Ohio.
Mention the Florists' Exchange when writing.

SCHMIDT'S PANSIES Have no Equal.

Comprising the cream of all the Leading Strains, Large, stocky plants, 50 cents per 100; $3.00 per 1000; 10,000 for $25.00.

DAISIES (Bellis), strong plants of the largest double varieties, Longfellow and Snowball, 40 cts. per 100; $2.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.
Mention the Florists' Exchange when writing.

Pansies Worth Raising

Good Plants, $4.00 per 1000; $2.50 per 500.

Extra Large Transplanted Plants in bloom, as good as in spring, $2.50 per 100.

☞F. O. B. Express here. Cash with order.

C. SOLTAU & CO., 199 Grant Ave., Jersey City, N. J.
Mention the Florists' Exchange when writing.

PANSIES

The Jennings Strain. 200,000 fine, stocky plants, from cold frames, varieties the finest, many are curled and fringed. 100 plants by mail, 60 cts.; 1000 plants by express, $3.50; large plants in bud, by express, $5 a 1000; extra fine Pansy blooms, by mail, 50c. a 100.

Pansy Seed of above, $1.00 per pkt.; $5.00 per oz. Separate colors in plants or seed if wanted.

Choice Mixed Gladiolus, all colors, 50 cts. per 100. Extra large Scarlet Amaryllis Bulbs, $6.00 per 100; medium size, $3.00 per 100.

Samples sent for 10 cts. Cash with order.

E. B. JENNINGS, Lock Box 254, **Southport, Conn.**
Grower of THE FINEST PANSIES.
Mention the Florists' Exchange when writing.

An Afternoon at Riverton.

Somebody told me that the best time to see the Dreer establishment was on a Sunday, when all is quiet, the army of employés absent, so that one can peep into the corners, stop and examine anything that strikes him as being new, without interruption. I did so recently, but found the ever-wakeful manager, J. D. Eisele, at his desk—a handsome one, consistent with the fine new office just built; a two-story structure. The upper contains his sanctum, and from which a view can be had of the whole place—an observatory, as it were. I was on the hunt for new things, and as Mr. Eisele is an enthusiastic botanist, together we made a tour among the novelties. Of the few newer kinds of ferns, Osmunda sempervirens is one that will add beauty to a collection. Other osmundas are deciduous, while this is evergreen and a handsome plant. Adiantum Charlottei, a beautiful maidenhair, between A. cuneatum and A. gracillimum, is a promising commercial variety, as also is A. capillus-veneris Mariesii, a strong grower, lasting long when cut, and is one of the best of the adiantums for cutting purposes. A. Bensonii is another fine thing. Blechnum rubrum and Doodia aspera multifida are not new but very worthy of note as specimen plants. In palms, Elaïs guineensis, or oil palm; Calamus intermedius, Chamædorea graminifolia are among the less common kinds. In the palm garden (by which term the immense range set apart for plants for commercial use is known) I saw innumerable quantities of the staple kinds in all sizes, and buy less. "The bane of my life has been removed," remarked my companion. "We have discovered, not the elixir of life, but an insecticide which effectually removes all insect pests without the slightest injury to the plant." Passing the golden hop (Humulus lupulus aureus) we came to a fine batch of Yucca filamentosa bicolor, a beautifully variegated variety, very uncommon and bound to attract, as it is adapted to any position.

On the way to the aquatic house we passed a pretty bromeliad, Pourettia mexicana, of which I took particular note, as bromeliads are becoming more popular. In the aquatic house a plant of Nymphæa pulcherrima was particularly interesting, as I was informed there had been a bloom upon this plant each day for four years without intermission. Mr. Tricker vouched for this, as he comes down on Sunday morning to see to his pet Victorias and ouvirandras, and can thus observe the nymphæa. I noted a fine lot of seeds of both V. Trickeri and V. Randii.

Nothing was to be seen outside, a mantle of snow covering the Alpinum, and the immense stock of perennials and herbaceous plants being under glass was less interesting than when one sees them in their full glory outdoors.

By this time my train was due; but before bidding my genial guide adieu, I made use of the long-distance telephone, which has recently been installed with the later improvements, and was informed it had already proved to be a great convenience, especially for rush orders from both the metropolis and Quaker City. The packing shed has been enlarged to an additional space of 2,000 square feet, with concrete flooring through the entire packing department.

M. A.

FERNS.

A fine assortment for florists use, from 2½ and 3 inch pots. Also

Selaginella Emmeliana, Cyperus Alternifolius, $3.00 per 100.

BABY PRIMROSES, from 3 inch, $4.00 per 100 from 4 inch, strong, $8.00 per 100.

J. G. EISELE, - Philadelphia, Pa.
20th AND ONTARIO STS.
Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.
1730 CAMBRIDGE ST.
Mention the Florists' Exchange when writing.

THE BOSTON FERN

A SPECIALTY.
Only orders booked at $5 00 per 100; $40 per 1000.

L. H. FOSTER, 45 KING STREET, **Dorchester Mass.**
Mention the Florists' Exchange when writing.

FERNS FOR DISHES.

Strong, 2 and 2½ in., $3 per 100; $27.50 per 1000.
Maranta Massangeana (will sell your fern dishes), $5.00 per 100; $40.00 per 1000
Asparagus Plumosus, strong, 2 in., $4.50 per 100; $40.00 per 1000.
Pteris Tremula, 3 in. pots, strong, $5.00 per 100. Terms, Cash or C. O. D.

C. MERKEL & SON, Mentor, Ohio.
Mention the Florists' Exchange when writing.

ADIANTUM CUNEATUM

Strong 2½ in. plants, $3.00 per 100; $25.00 per 1000.
Fine plants, in 3½ and 4 in. pots, $6.00 per 100; $50.00 per 1000.

EDW. J. TAYLOR, Southport, Conn.
Mention the Florists' Exchange when writing.

HEADQUARTERS FOR

Palms and Ferns.

Fine, clean home grown stock; grown cool. Give us a trial order and be CONVINCED.

J. B. HEISS, The Exotic Nurseries, **Dayton, Ohio.**
SEND FOR PRICE LIST.
Mention the Florists' Exchange when writing.



It's nice a lasting gift to give,
Which appreciation earns;
Cut Flowers die, but plants will live,
Therefore buy
PALMS AND FERNS

Try a barrel of our Pine Needle Soil, for Palms and Ferns, price $1.50 Send for our catalogue.

THE GEO. WITTBOLD CO., Chicago.
1708 N. Halsted Street.
Mention the Florists' Exchange when writing.

ERICAS

Persoluta Alba, 4 in., per 100, $18; per 1000, $150.00.

Persoluta Rosea, 4 in., per 100, $18; per 1000, $150.00.

Well set with buds, can be brought into flower for February and March (Easter).

H. D. DARLINGTON, Flushing, L. I.
Mention the Florists' Exchange when writing.

LATANIA BORBONICA

4 inch pots	$2.50 per doz;	$20.00 per 100.	
5 "	4.75 "	35.00 "	
6 "	9.00 "	70.00 "	
7 "	1.25 each, and fine specimen plants from $6.00 and upwards.		

Areca Lutescens, fine plants from $5.00 upwards.
Kentia Belmoreana and Forsteriana—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, well grown, from $2.50 and upwards.
Phœnix reclinata, 4 in. pots, 25c. each, $20 per 100; 5 in. pots, 40c. each, $35.00 per 100; 6 in. pots, 60c. each, $55.00 per 100; 7 in. pots, $1.25 each.
Phœnix Canariensis, Rupicola and Reclinata, fine specimen plants, from $3.00 to $5.00 each.
Cocos Weddeliana, from 2 in. pots, $1.50 per doz.

ASPARAGUS SPRENGERI 3 in. pots, $1.00 a doz. 5 in. pots, 25c. each.

JOHN BADER, Troy Hill, **Allegheny, Pa.**
L. D. TELEPHONE 872.
Mention the Florists' Exchange when writing

PREPARED TROPICAL PALMS AND CYCAS LEAVES



☞Send for Catalogue.

Ostertag Bros., Florists,
Washington and Jefferson Aves., ST. LOUIS, MO.
Mention the Florists' Exchange when writing.

BOSTON FERNS

N. Exaltata Bostoniensis.
Small plants, $5 00 per 100; $40.00 per 1000; not less than 250 at 1000 rate. Large plants, $6.00 to $12.00 per 100.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $3.00 to $10.00 ea.
Areca Lutescens, 50c. to $3.00 each.
Latanias, from 75c. to $3.00 each.
Asparagus Plumosus, $1.00 to $1.50 doz.
Asparagus Sprengeri, 3½ in. pots, $1.50 per doz.
Asparagus Tenuissimus, 3½ in. pots, $1.25 per doz.

WM. A. BOCK, No. Cambridge, Mass.
Unknown correspondents will send cash with orders. Connected with Telephone.
Mention the Florists' Exchange when writing.

FERNS, ETC.,

CHEAP FOR CASH.

	Inch pots	Price each	Per 10	Per 100
Adiantum Capillus Veneris,	2½	$0.04	$0.30	$2.50
" " "	3	.05	.45	4.00
A. C.V. Imbricatum or Hardy Farleyense	3	.15	1.50	
" " "	4	.30	3.00	
Adiantum Cuneatum	4	.10	1.00	9.00
Pteris Cretica Albo-Lineata	4	.10	.90	8.00
Selaginella Emmeliana	2	.04	.30	2.50
" "	3	.06	.50	4.50
" "	4	.10	.90	8.00
Nephrolepis Exaltata	3	.06	.55	5.00
" " strong	7	.45	4.00	
N. Tuberosa	6	.25	2 00	
N. Rufescens Tripinnatifida	5	.35	3.00	
Mixed Ferns, from benches				1.50

For other varieties and sizes see wholesale list, from which 10 per cent. discount will be given on all orders accompanied with cash.

W. J. HESSER, Plattsmouth, Neb.
Mention the Florists' Exchange when writing.

BEDDING AND

Decoration Plants.

TWO CENT PLANTS, from 2 in. pots. Geraniums and Ferns in variety, Cyperus Alternifolius, Cuphea, Ageratum and Lemon Verbenas.

FIVE CENT ROSES in mixture, and 7 cent Roses to name, from 4 in. pots. Also blooming varieties of Begonias.

PALMS—Latanias, fine plants from 7 in. pots, $1.00 each; Kentias, perfect plants, from 6 in. pots, $1.50 each; Seaforthia Elegans and Corypha Australis, from 5 and 6 in. pots, fine, 50c. and 75c. each; Cocos Weddeliana, from 3 in. pots, perfect plants, 15c. each; Nephrolepis Washingtoniensis, strong 4 in. pot plants, 50c. each; from 2½ in. pots, 4 for $1.00, free by mail.

For other Plants write.
5 per cent. discount for Cash.

N. STUDER, Wholesale Grower, **Anascotia, D. C.**
Mention the Florists' Exchange when writing.

Boston Ferns

Plants in 6 in. pots, $1.00 each.
Plants in 7 in. pots, $1.25 each.
Plants in 8 in. pots, $1.50 each.

FINE PLANTS IN GOOD CONDITION.
Cash with Order. WE MUST HAVE ROOM.

C. W. COX, Second and Bristol Sts., **PHILADELPHIA.**
Mention the Florists' Exchange when writing.

DOUBLE PETUNIAS. OVER 75 VARS., NAMED.

I have the finest and largest collection in the country, an immense stock, and can fill all orders without delay.

Rooted Cuttings, by mail, $1.25 per 100. Grandiflora, single, 10 vars., $1.25 per 100.

"I saw the bloom of Mr. Hughes' petunias, both double and single, and they are very fine."
HENRY F. MICHELL.

Ivy Geranium, 12 vars.	$1.50	per 100
Heliotrope, 16 vars.	1.00	"
Ageratum, Princess Pauline	1.00	"
Gazania, splendens	1.50	"
Cuphea, Segar Plant	.75	"
Ageratum, White and Blue	.75	"
Abutilon, 4 vars., R. C.	1.50	"
Swainsona Galegifolia Alba, R. C.	1.50	"
Fuchsias, 12 vars.	1.25	"
Flowering Begonias, 12 vars.	1.50	"

Cash with order, please.

GEORGE J. HUGHES, Berlin, N. J.

Mention the Florists' Exchange when writing

GERANIUMS

A few thousand left in 2½ in. pots at $30.00 per 1000; $3.25 per 100. S. A. Nutt, La Favorite, Richard Brett, Wilhelm Pfitzer, Mazet Delayas, J. M. Garr, Mrs. E. G. Hill, Wonder, Granville, Rev. Atkinson, Mme. Salleroi, Geraalume, in soil, $1.50 per 100; $12.00 per 100.

Also, Rose Geranium Cuttings, $18 00 per 1000; $2.00 per 100.

COLEUS, Crimson Verschaffeltii and Golden Queen, $7.00 per 1000, 75 cts. per 100; 2 in. pots, $1.50 per 100. Coleus in variety, $5.00 per 1000, 60 cts. per 100; 2 in. pots, $1.25 per 100.

AGERATUM, Blue and White, 75c. per 100; Princess Pauline, $1.00 per 100.

GIANT ALYSSUM, $1.00 per 100.

SALVIA, Splendens and Bedman, $1.25 a 100.

HELIOTROPE, 6 vars., named, $1 a 100.

CUPHEA (Cigar Plant), $1.00 per 100.

FUCHSIAS, $1.50 per 100; 2½ in. pots, $3 00 per 100.

FEVERFEW, $1.50 per 100; $12.00 per 1000.

VINCAS, $1.25 per 100; $10.00 per 1000. 4 in. pot, $8.00 per 100; $70 per 1000. Fine plants.

The above are rooted cuttings, except when noted. Cash must accompany all orders.

J. E. FELTHOUSEN, Schenectady, N.Y.

Mention the Florists' Exchange when writing

Unequaled Varieties VERBENAS Vigorous Stock.

		100	1000
Best Mammoths,	strong pot plants...	$3.00	$25.00
" "	rooted cuttings....	1.00	8.00
Older "	"	.75	6.00
" "	strong pot plants...	2.50	20.00

ROOTED CUTTINGS CARNATIONS VIGOROUS STOCK

General Maceo, G. H. Crane, $6.00 per 100 $50.00 per 1000

America, Melba, Gen. Gomez, Mrs. G. M. Bradt, 75c. per doz.; $5.00 per 100; $40.00 per 1000.

White Cloud, Gold Nugget, $1.00 per 100; $30.00 per 1000.

Boa Ton, New York, Jubilee, Frances Joost, $2 50 per 100; $20.00 per 1000.

Armazindy, Flora Hill, Eldorado, Daybreak, Jaba's Scarlet, Sea Shell, Victor, $2 00 per 100; $15.00 per 1000

Alaska, Lizzie McGowan, Wm. Scott, Portia, $1.50 per 100; $12.00 per 1000.

Rooted CHRYSANTHEMUMS Cuttings

Send for list of 90 best Varieties.

CYCLAMEN GIGANTEUM.

From 3 inch pots, in bud, $8.00 per 100
" 3½ " " " 10.00 "

Strong Tubers CANNAS DORMANT.

Alphonse Bouvier, Florence Vaughan, Dorea J. Sisley, F. H. Pierson, Italia, Burbank, Souv. de A. Crozy, John White, Pierson's Premier, Compte de Bouchard, Papa, Pres. McKinley, $3 00 per 100; $25.00 per 1000.

Chas. Henderson, Paul Marquant, Paul Brunot, Austria, Thos. S. Ware, Creole, $2.50 per 100; $20.00 per 1000.

ROSES.

Bridesmaid, Bon Silene, Catherine Mermet, Duchess of Albany, Golden Gate, La France, Maid of Honor, Niphetos, Perle des Jardins, Pres. Carnot, Sunset, The Bride, Wootton, from 2½ in. pots, $5.00 per 100, $40.00 per 1000.

MISCELLANEOUS.

	100	1000
Anthemis, Double Golden Marguerite.	$2.00	
Ageratum, blue and white	1.00	$8 00
" Princess Pauline	1.50	
Coleus, all leading sorts	1.00	8 00
Fuchsias, double and single	2.00	15.00
Feverfew	1.50	12.00
Heliotrope, light and dark	1 25	10.00
Impatiens Sultani	2.00	
Moon Vines, true	2.00	15 00
Salvias, Splendens and Bedman	1.25	10.00

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

STOP, LOOK AND THINK.

Primroses for Easter Forcing, $2.00 per 100.

See our last week's ad. for Bargains. Write us.

GREENE & UNDERHILL, - - WATERTOWN, N. Y.

Mention the Florists' Exchange when writing

ROOM WANTED.

Primroses, 4 in. pots, choice colors, in bloom, from $6 00 to $8.00 per 100.

Umbrella Plants, 4 in. pots, $7.00 per 100.

Begonia Vernon, 4 in. pots, $8.00 per 100.

Primula Obconica, in bloom, 4 in. pots, $6.00 per 100

Cyclamens, 4 in. pots, in buds, $8.00 per 100.

Azaleas, bud and bloom, white and pink, 75c. each.

Standard Azaleas, 2 ft. high, white and other colors, 80c.

Cineraria Hybrida, 6 in., in buds, $2 50 per doz.

Freesias, 4 in. pots, in bloom, $1.00 per doz.

State particularly if wanted with or without pots.

CASH WITH ORDER. PLEASE.

GODFREY ASCHMANN,
1012 Ontario Street, Rising Sun, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS!

	100	1000
Coleus, Crimson Verschaffeltii, Golden Bedder and Golden Queen	$0.75	$6.00
In variety	.60	5.00
M. Salleroi Geraniums, from soil.	1.25	10.00
Alternantheras, P. Major and A. Nana, from soil	.60	5.00
Ageratum, blue and white	.60	
" Princess Pauline	.75	
Cuphea (Cigar Plant)	1.00	
Double Petunias, 30 varieties	1.25	
Giant Alyssum	.60	
Heliotropes, 12 varieties	1.00	
" 2 inch pots	2.00	
Salvia Splendens and Bedman	1.00	
Vinca Variegated, trailing	1.00	
Cannas, Dormant, Standard vars.	2 00	12.50

Plants by the 100, by mail, prepaid. Cash with order.

C. A. HARRIS & CO., DELANSON, N Y

Mention the Florists' Exchange when writing.

GERANIUMS

Gettysburg, Bruant, La Favorite, Mrs. Taylor, Rose Walnut and others, in variety, 2 in., ready for shifting, 2½ cts.; R. C., 1½ cts.

Trailing Lantana, 2 in., 2½ cts.

Begonias, in variety, 2½ in., 2½ cts.

Vinca Major, 2¼ in., 2½ cts.

Boston Ferns, extra heavy, ready for shifting, 2½ in., 5 cts.; 3 in., 10 cts.

Gnaphalium, 2 in., 2½ cts.; R. C., 1½ cts.

Panicum Variegatum, 2 cts.

Achyranthes, 2½ cts.

Coleus, Blue and White Ageratum, R. C., 75 cts. per 100.

A. J. BALDWIN, Newark, Ohio.

Mention the Florists' Exchange when writing.

XX STOCK XX

CYCLAMEN Persicum Splendeos Giganteum, a few hundred plants left, in bud and bloom, $1.20 per doz.; $10.00 per 100.

NOW READY—Cyclamen P. S. Giganteum, in 4 true colors, twice transplanted from flats, strong plants, $2.50 per 100; $20.00 per 1000.

CHINESE PRIMROSES Fringed foliage, finest market varieties, from 2½ in. pots, $2.00 per 100; from 3 in. pots, all in bud and bloom, in 7 colors, including blue, double white and red, well-grown plants, $4.00 per 100; from 4 in. pots, $6.00 per 100.

CINERARIAS Hy Max, Grun., from flats, twice transplanted, strong plants, $1.50 a 100.

PELARGONIUMS Best market varieties, from 3½ in. pots, $7.00 a 100; rooted cuttings $2.00 a 100.

CARNATION Cuttings. 25,000 well-rooted Daybreaks, $1.25 per 100; $12 00 per 1000; McGowan, Wm. Scott, $1.00 per 100; $8.00 per 1000. All the above warranted A No. 1 Stock.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

CYCLAMEN PERSICUM GIGANTEUM

No finer strain on the market. Transplanted in flats $2.00 per 100; $18.00 per 1000.

Forget-Me-Not, stocky pot plants, $2.00 per 100. Large clumps for benching or dividing, $4.00 per 100.

Baby Primrose, in bud and bloom, $3.00 per 100.

Rudbeckia, Golden Glow, $3 00 per 100.

Double Petunias, in splendid mixture. Rooted cuttings, $1.00 per 100.

Alternantheras, 50 cts. per 100; $4 00 per 1000.

Salvia Splendens and Bonfire, $1.00 per 100.

Heliotrope, remarkable fragrance, no scentless varieties, $1 00 per 100.

Fuchsias, single, in variety, $1.00 per 100; Double, $1 50 per 100.

Feverfew, Dwarf Gem, $1.50 per 100.

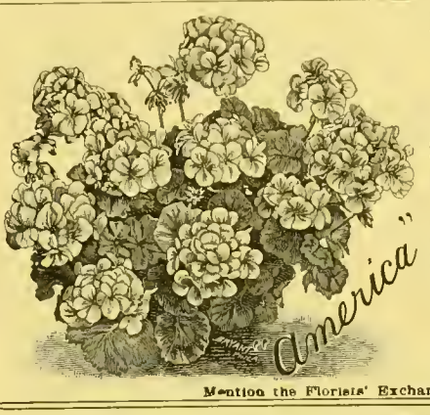
Ageratum and Parlor Ivy, each, at 75c. per 100.

CARNATIONS. Scott and McGowan, $1 00 per 100; $6.00 per 1000. Daybreak, $1.25 per 100; $10 a 1000. Flora Hill, $1.50 per 100; $12 00 per 1000. Boa Ton, $2.00 per 100. Gomez, $4 00 per 100. Bear in mind we allow discount of 10 per cent. on all orders placed for Carnations before March 1st next.

Rooted Cuttings of all plants by the 100 are sent by mail

ORANGE FLORAL CO., West Orange, N. J.

Mention the Florists' Exchange when writing.



New Ever-blooming Geranium

AMERICA

Finest grower for pots or bedding. Color, white, salmon and rose in full sun, color of Begonia Gl. de Lorraine.

Floriferousness Phenomenal
Strong plants, 50c. each; $5.00 per doz.

MARS 2¼ inch pots, $5.00 per 100.

Set of Best 15 Novelties of 1899 Such as La Fraicheur, Emanuel Arcoe, Dryden, Southey, etc., for $2.00. This is the best bargain of the season. Plants guaranteed A1 in every respect.

CASH, PLEASE.

H. EICHHOLZ, Waynesboro, Pa

Mention the Florists' Exchange when writing

THE STORRS & HARRISON CO., Box 936, PAINESVILLE, OHIO.
Leading American Nurserymen, offer one of the Most Complete Assortments of
FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.
46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

Mention the Florists' Exchange when writing.

PRIMROSES Thrifty plants, flowers unsurpassed for size and colors, from 4½ in. pots, $6 00; 3½ in., $4.00 per 100. A few extra good Cinerarias and Cyclamen, in bloom, 5 in. pots, 12c a piece. Coleus, rooted cuttings, 50c. a 100. Cash with all orders.

MRS. M. CAVANAUGH, Ionia, N Y..

Mention the Florists' Exchange when writing.

CINERARIAS

For Easter Flowering.

From Benary, Cannell and Sutton's prize show flowers saved, dwarf and semi-dwarf, giant flowered, finest shades and colors, fine, stocky plants, 2½ in., $2 per 100; $5.00 per 300. 3 in., $3.00 per 100.

SHELLROAD GREENHOUSE CO.
Grange P. O., Baltimore, Md.

Mention the Florists' Exchange when writing

FUNKIA LANCIFOLIA GREENLEAFED.

A fine hardy bordering plant. The spikes of Lavender-blue flowers are nice for funeral work, $2.00 per 100; $15.00 per 1000.

EULALIA striated, $2 00 per 100.

PANSIES, $4.00, $10.00 and $12.00 per 1000.

HELIANTHUS MULTIFLORUS PLENUS, $2.00 per 100 strong pieces.

Will exchange for carnations or other stock needed. **W. C. JENNISON, Natick, Mass.**

Mention the Florists' Exchange when writing.

300,000 VERBENAS

60 finest named varieties, including our new MAMMOTH WHITE Mrs. McKINLEY. The finest white Verbena grown.

Perfectly healthy. Free from rust.

Rooted cuttings, 60 cts. per 100; $5 00 per 1000. Plants, $2 50 per 100; $20 00 per 1000.

Our list is the choice from millions of seedlings

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing

New Early Yellow Chrysanthemum

WALTER MOLATSCH.

Three Certificates A.C.S. Ready March 1st, 1900. Price, 50c. each; $4.00 per doz.; $25.00 per 100.

For Sale by

DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y.
AND
H. A. MOLATSCH, - - - Brooklyn, N. Y.
68th St., bet. 8th and 9th Aves.

Mention the Florists' Exchange when writing.

GAZANIA SPLENDENS

For Baskets, Beds and Borders.

Rooted Cuttings, $1.25 per 100; $10.00 per 1000. February and March delivery.

CHAS. H. CAMPBELL,
Richland, San Diego Co., CAL.

Mention the Florists' Exchange when writing.

Commercial

See Advertisement Page 116. **Violet Culture**

ALTERNANTHERA Red and Yellow, $4.00 per 1000, Primroses and 3½ in., 75c. per dozen. Lantana Borbonica 2½ in., $4.00 per 1000.

E. I. RAWLINGS,
Wholesale Florist. **Quakertown, Pa.**

Mention the Florists' Exchange when writing.

GERANIUMS

Best Bedding Kinds,
Mixed, from 2 to 2½ in. pots, $2.50 per 100.

Rooted Cuttings of

Lizzie McGowan Carnation,
$5.00 per 1000. Cash.

B. F. MUSCHERT, Penn Valley, Pa.

Mention the Florists' Exchange when writing.

WE ARE HEADQUARTERS

For all the Best Novelties of the Season in

Chrysanthemums, Carnations, Cannas, and Geraniums,

CATALOGUE FREE ON APPLICATION.

NATHAN SMITH & SON, - - ADRIAN, MICH.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

In 30 leading varieties, from 2½ in. pots, $2.00 per 100.

Also a good collection of POMPONS.

VERBENAS In 10 best varieties, from 2½ in. pots, strong plants, $2.00 per 100.

Cash with order. Price list on application.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

GERANIUMS Rooted Cuttings, most desirable double and semi-double bedders, and other fine single and doubles, $12.00 per 1000.

COLEUS, Verschaffelti, Golden Bedder and Queen, $6 per 1000. Showy bright colors, fancy, $5 per 1000,

REPLANTED STOCK. Begonia Vernon, red and pink, $1.50 per 100 Erfordii, fine, best bloomer, $1.50 per 100 Heliotropes and Sage, $1.40 per 100. Choice Verbena, 60 cts. per 100. Fringed Petunia, best single, $1 20 per 100. Pansies, part in bloom, GIANT, 60 cts. per 100. BUGNOT, 80 cts. per 100.

New Italian Coleus, Double Petunia, etc Terms Cash. Send for List.

DANIEL K. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO., LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

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The American Rose Society.

A meeting of the Executive Committee was held in New York on Saturday, January 27, when the arrangements for the approaching show on March 27, 28 and 29 were nearly completed. It has been decided, in order to make the work of the society more substantial, that a bulletin shall be issued containing notes of the society's doings and of progress with roses. This will be sent free to every member of the society, but will not otherwise be available. The number of premiums for the March show continues to grow in a most satisfactory manner, and there is every encouragement offered to growers in all parts to compete. The gold and silver medals given by the New York Florists' Club are offered for the best 100 roses in four varieties, from growers residing outside a radius of 150 miles from New York City, as measured by the distances shown on the railroad time tables. This should insure a representative competition from growers distant from New York, and will place their competition on an even basis.

LEONARD BARRON, Secretary.

136 Liberty Street, New York.

Society of American Florists and Ornamental Horticulturists.

The Executive Committee at its recent session in New York City approved the selection of the Grand Central Palace as headquarters for the convention and exhibition of 1900, and indorsed the selection of J. P. Cleary as manager of the trade exhibition. On being notified by the New York Florists' Club that it was their intention to present a grand horticultural exhibition at the time of the convention, under the immediate supervision of the private gardeners, it was voted that 12 silver and 12 bronze medals of the S. A. F. be specially appropriated for the use of the New York Florists' Club in this enterprise. A sub-committee was also appointed to arrange for the award of special S. A. F. medals at the exhibition of certain affiliated national organizations and leading horticultural societies.

It was decided that Prof. L. C. Elson, of Boston, and Dr. N. L. Britton, of New York, be invited to deliver lectures before the society at the coming convention. Other features of the convention program, as arranged, are a president's reception, a paper on greenhouse construction, from the open land to the finished structure, an illustrated talk on floral decorations, a discussion on the S. A. F. and its future welfare, and special talks on rose and carnation subjects to be selected and presented under the auspices of the Rose and Carnation Societies, respectively. It is expected that the afternoon and evening of the third day will be devoted to an excursion, on invitation of the New York Florists' Club, and that the fourth day will be assigned exclusively for sporting and entertainment features, with the possibility that some of the sporting features may be incorporated with the excursion of the third day.

Much of the committee's time was taken up with a very thorough discussion of the important matter referred to it by the last convention, viz., the establishment of a co-operative purchase corporation. President Wood, who has given much thought to this matter, presented a complete scheme for incorporation on the lines advocated by him at the Detroit meeting, but, finally, owing to the somewhat indefinite character of the society's vote, under which the committee were unwilling to assume a larger responsibility, it was decided to continue for the present the old plan of a purchasing committee, who shall purchase for cash for any member of the society, lumber, coal, glass, iron pipe, hose, oil and leads as may be required, but charging hereafter a small percentage on each transaction toward defraying the expenses of the necessary clerical assistance, the lack of which has greatly hampered the work of this department in the past.

The treasurer's report, as presented, showed that the life membership fund now amounts to over $600, and that the general fund in the treasury made a net increase of about $450 for the past year. It was voted that hereafter the treasurer present a supplementary report, for information of the society, at each convention, covering the period between January 1 and the time of the convention. It was decided to discontinue the nomenclature committee and to assign the duties of that committee to the registration department of the secretary's office and a botanist. Dr. N. L. Britton was then appointed as botanist to the society, and Prof. L. O. Howard was re-appointed as entomologist.

The fertilizer committee was reorganized by the addition of W. N. Rudd to its membership, and the appointment of C. W. Ward as chairman; and the necessary appropriations were made for the needs of this committee and the legislative committee.

A special sub-committee was appointed to report at the convention on the advisability of the incorporation of the society under the laws of some state, also a special sub-committee to consider the recommendation of President Wood, relative to the securing of a permanent home for the society.

President P. O'Mara, of the New York Florists' Club, and Messrs. W. J. Palmer, of Buffalo, and Geo. A. Rackham, of Detroit, were present at most of the sessions and rendered valuable assistance, to the committee.

The report of the committee on final resolutions extended grateful recognition of the hospitality of the New York Florists' Club, and Mr. and Mrs. C. W. Ward, and thanked the press for courtesies extended.

WM. J. STEWART, Secretary.

The following gentlemen are state vice-presidents of the Society of American Florists for the year 1900, having been either elected by their representatives at the Detroit Convention, or appointed by President Wood:

Connecticut, J. N. Champion, New Haven; District of Columbia, Philip Gauges, Washington (Bot. Gar.); Illinois, Edgar Sanders, Chicago; Indiana, H. W. Rieman, Indianapolis; Iowa, J. T. D. Fulmer, Des Moines; Kansas, M. J. Coventry, Ft. Scott; Kentucky, Jacob Schulz, Louisville; Maine, J. A. Dirwanger, Portland; Maryland, R. Vincent, Jr., White Marsh P. O.; Massachusetts, F. R. Mathison, Waltham, and Geo. H. Thompson, Lenox; Minnesota, S. D. Dysinger, St. Paul; Missouri, Emile Schray, St. Louis; Michigan, F. H. Beard, Detroit; Nebraska, L. J. Hess, Omaha; New Hampshire, August Gaedeke, Nashua; New Jersey, Jos. A. Manda, Jr., South Orange; New York, Alex. Wallace, New York City, and Phillip Scott, Buffalo; Ohio, C. J. Graham, Cleveland, and Robt. George, Painesville; Pennsylvania, H. T. Dumont, Philadelphia, and Gustav Ludwig, Allegheny; Rhode Island, Robt. Laurie, Newport; Wisconsin, H. V. Hunkel, Milwaukee; Ontario, P. Q., Harry Dale, Brampton.

Tobacco Stems and Fungi.

It would be of great interest to me, and possibly a good many others, to have an opinion on the practice of spreading tobacco stems on the walks and under the benches. From my own observation it is anything but a desirable thing to do. Were the stems thoroughly cleaned up and renewed about every two weeks, as they seem to lose their beneficial qualities in about that time, the practice would be a good one; but this is seldom done, as it would entail more labor and expense than the old method of fumigation. The result is the stems begin to decay and become a regular hotbed of fungus diseases. Perhaps the experimental stations could inform us if it is possible for mildew, black spot, stem rot, etc., to live on rotting tobacco stems. That cleanliness is one of the most important secrets of success is acknowledged by all, and this practice seems in direct opposition to it.

E. H.

—The question has been asked whether rotting tobacco stems may harbor parasitic fungi and whether these fungi might spread from the tobacco stems and infect healthy plants. The answer is a positive yes. Many of the worst fungous enemies of cultivated plants spend part of their lives as saprophytes in decaying vegetable matter. Nearly all of the Fusarium (stem rot) diseases, all diseases due to Botrytis (soft rots), most of the spot diseases (such as the one on violet), and many others, will grow luxuriantly not only in decaying tobacco stems but in most other decaying vegetable matter. It is certainly an axiom that cleanliness, especially in greenhouses, is one of the first elements of successful culture in plants. The use of tobacco stems is often necessary in fighting the green fly. The practice of throwing stems in the walks, however, is one not recommended by the best growers. It is better to give light fumigations with the stems, or discard them altogether, and use some of the more concentrated forms of tobacco, especially compounds which are more nearly pure nicotine. If tobacco stems are used at all as a mulch they should be removed before they have rotted; otherwise Botrytis, stem rots, etc., may be expected to develop.

In case of fumigation by burning tobacco stems it is necessary to be very cautious with such plants as the violet, and even with the carnation, not to overdo the matter. The oily sediment which may be observed on the surface of plants after quite severe fumigation in this way is very caustic in its nature. It does not contain a great deal of nicotine, but is rich in other caustic and practically non-insecticidal substances. These are very injurious to the cells of the plant, and even destroy many of the protective epidermal cells, producing many places where parasites may gain entrance to the tissues. We have seen whole houses of violets ruined in this way by epidemics of spot following fumigation with tobacco. In the case of the violet the use of hydrocyanic acid, as has been described in these columns many times, is an easy way around the difficulty; but in the case of other crops it is often necessary to resort to tobacco, though it must be used cautiously, as suggested.

ALBERT F. WOODS.

Division Vegetable Physiology and Pathology, U. S. Department of Agriculture, Washington, D. C.

[The practice of strewing tobacco stems on the paths is dirty and disagreeable at the best, and is being discarded by some prominent growers. Keeping the stems in wire mesh, suspended from the bottom of the benches, and just inside the posts, is much cleaner, has equally good results, and, not being continually trodden upon, the stems do not rot and become so offensive.—ED.]

Federal Legislation for Nursery Stock.

On December 4, 1899, Congressman Wadsworth, of Geneseo (N. Y.), introduced in the House of Representatives a bill (H. R. 96) to "provide rules and regulations governing the importation of trees, plants, shrubs, vines, grafts, cuttings and buds, commonly known as nursery stock, and fruits into the United States; and rules and regulations for the inspection of trees, plants, shrubs, vines, grafts, cuttings and buds, commonly known as nursery stock grown within the United States, which become subjects of interstate commerce or exportation." The provisions of the bill make it unlawful for any transportation company to offer for entry, at any port in the United States, nursery stock, unless accompanied by a certificate of inspection by a government official of the country from which the exportation was made, certifying that the stock has been examined and found apparently free from all insect and fungous diseases dangerously injurious to such nursery stock; also authorizing the collector to arrange for inspection of the contents of non-certificate bearing packages. Section 2 deals with the proper quarantining of fruit known to have been grown in an infested district outside of the United States or District of Columbia; and by Section 3 it is enacted as follows:

"That all trees, plants, shrubs, vines, and buds, commonly known as nursery stock, grown within the United States, may become subjects of interstate commerce under the rules and regulations as hereinafter provided. The Secretary of Agriculture shall cause to be inspected by a qualified entomologist and vegetable pathologist all trees, plants, shrubs, vines, and buds, known as nursery stock, which are subjects of interstate commerce, and which are about to be transported from one State or Territory or the District of Columbia into another State or Territory or the District of Columbia. This examination shall be made, so far as possible, prior to September 1 of each year, in the manner provided for and prescribed by the Secretary of Agriculture; and if such nursery stock is found to be apparently free from dangerously injurious insects or diseases, the certificate of the officer making such examination and finding shall be issued to the owner or owners of such nursery stock, a copy of which certificate shall be attached to and accompany each carload, box, bale, or package, and when so attached and accompanying shall operate to release all such nursery stock from further inspection, quarantine, or restriction in interstate commerce."

Section 4 makes it "unlawful for any person, persons, or corporation to deliver to any other person, persons, or corporation, or to the postal service of the United States (except for scientific purposes or by permission of the Secretary of Agriculture), for transportation from one State or Territory or the District of Columbia to any other State or Territory or the District of Columbia, or for exportation to any foreign country, any trees, plants, shrubs, vines, or other nursery stock which have not been examined in accordance with the provision of Section 3 of this Act, or which on said examination have been declared by the inspector to be infested with dangerously injurious insects or diseases. Any person, persons, firm, or corporation who shall forge, counterfeit, or knowingly alter, deface, or destroy any certificate or copy thereof as provided for in this Act and in the regulations of the Secretary of Agriculture, or shall in any way violate the provisions of this Act, shall be deemed guilty of a misdemeanor, and on a conviction thereof shall be punished by a fine not to exceed $500 nor less than $200, or by imprisonment not to exceed

one year, or both, at the discretion of the court.

"Section 5. That the rules and regulations herein provided for shall be promulgated on or before the first day of July of each year.

"Section 8. That the provisions of this Act shall not apply to florists' greenhouse trees, shrubs, plants, bulbs, and so forth, commonly known as florists' stock."

The object of this bill is to provide uniform regulations governing the inspection and transportation of nursery stock, these to supplant the varying conditions imposed by the different state laws. At a meeting of the Eastern Nurserymen's Association, in Rochester, N. Y., recently, a resolution was adopted indorsing this federal bill. Irving Rouse, of the association, was authorized to go to Washington in the interest of the bill. There he met members of the committee on legislation of the American Association of Nurserymen.

It will be seen that "florists' stock" is exempt from the provisions of the act, and the trade should use its every effort to have the bill passed, thus relieving themselves of the serious inconvenience and annoyance to which they are subjected under some of the prevailing state laws, which in a number of instances are grossly misunderstood, so far as concerns their application to the florists' industry.

Perfection Reached?

According to the judges of the carnation exhibits staged at the recent meeting of the Chicago Florists' Club, perfection, as set forth by the American Carnation Society's scale of points, has been reached by the new pink variety Enquirer, grown and exhibited by Richard Witterstaetter, of Sedamsville, Ohio. But the recipient of this high honor, it seems, is not inclined to accept the dictum of the Chicago judges. Our Cincinnati correspondent, in his last week's letter, remarks, "I will admit that Enquirer is a grand sort, but I will not admit, neither will Mr. Witterstaetter (with all due respect to the Chicago judges) that it is worth 100 points." We believe that the majority of expert carnation growers will be inclined to favor the opinion of the two gentlemen as above expressed, for a carnation that fully meets every requirement of the society's scale must indeed be a wonder, in view of the fact that so many grand things now in commerce, or to be introduced, have fallen short of it by several points. The same variety scaled 92⅔ points at the late carnation exhibition of the Cincinnati Florists' Society, held December 9 last, with the added advantage of being right at home; a gain of 7⅓ points, between that date and January 19, is truly phenomenal. Query: Where will it reach by the date of the American Carnation Society's meeting, February 15 and 16 next?

What we are most concerned about is not the reported century-reaching qualities of the Enquirer carnation, which is evidently a good thing, but the dilemma into which the Chicago judges have thrown, not only the American Carnation Society, but the whole carnation industry.

A Fusarium Leaf-Spot of Carnations.

A recent bulletin of the New York Agricultural Experiment Station at Geneva, N. Y. (No. 164, December, 1899, by Prof. F. C. Stewart), illustrates and describes, among other things, a species of Fusarium which has been found producing a serious leaf-spot disease of carnations at Syracuse. It occurred upon plants so situated that the direct sunshine could not reach them. The fungus gains entrance through breaks in the epidermis made by rust sori. Professor Stewart says it is not improbable that it may be identical with the carnation stem rot Fusarium, and furnishes the following particulars regarding it:

"A very unusual case of Fusarium attacking carnation foliage was observed in a greenhouse at Syracuse last November. A bench of carnations of the variety Emily Pierson was quite seriously affected with a peculiar leaf-spot. The spots varied in length from one-eighth of an inch to one inch. The smaller ones were elliptical, but the larger ones occupied the entire width of the leaf and were irregular at the ends. They were covered with a pinkish gray mold and irregularly dotted at the center with the light yellow spore masses of a species of Fusarium. Many of the worst affected leaves were dying. The Fusarium was evidently parasitic on the leaves, but a careful examination revealed the fact that in every case the spots originated in a rust sorus. It appeared that the Fusarium was unable to attack the uninjured leaf, but when the epidermis was broken by rust it was able to enter and bring about decay of the leaf tissue. It is improbable that the Fusarium is parasitic upon the rust.

"The writer has occasionally observed Fusarium attacking injured leaves and stems of carnations, and the spore masses of a similar Fusarium are common on the stems of carnations affected with that form of stem rot commonly known as dry rot or die back; but we have never before known Fusarium to produce a genuine leaf-spot of carnations. Inoculation experiments may show that this Fusarium is identical with the one causing carnation stem rot."

OBITUARY.

The wife of J. H. Dann, florist, Westfield, N. Y., died on January 26, after a sickness of about six months.

Mrs. Hill.

Mrs. Jean L. Hill, stepmother of E. G Hill, died at her late residence, in Richmond, Ind., January 26, 1900, and was laid to rest in Earlham Cemetery, Richmond, January 30. Mrs. Hill was born in Glasgow, Scotland, in the year 1818, and was married to E. G. Hill's father, Joseph Hill, in 1858. She had lived to the good old age of 81 years. The casket was covered with beautiful flowers sent by her friends. The deceased, who was a kindly old lady, was well known to a host of florists who had visited at her son's house during the past 15 years.

G.

Marcus Krohn.

The death of Marcus Krohn occurred in St. Anthony's Hospital in Rock Island, Ill., Sunday night last. Mr. Krohn was a well known florist, and his death was due to blood poisoning, the result of a peculiar accident. On January 9 he had a cut on the ball of his thumb, and in thrusting his hand hurriedly into his pocket for a match, the sulphur end of a match was run into the cut. Mr. Krohn gave little heed to the matter until the thumb begun to swell, and by the time he sought medical aid was suffering from well-developed blood poisoning, and his condition grew rapidly worse, resulting in his death at the time stated.

Charles Giles Foster.

Charles Giles Foster died in Chicago last week at the ripe age of 69. He was a veteran journalist, and was employed by Luther Tucker on the old Genesee Farmer and Gardeners' Journal, established in Rochester, N. Y., January 1, 1831, being afterward also employed on the staff of the Albany Cultivator and the Country Gentleman, established in Albany, N. Y., in 1857. Mr. Foster was born in Rochester, N. Y., December 14, 1831. His entire life was spent in newspaper work, and when only 15 years old he was connected with papers in his native city. He went West in 1849, and bought an interest in the Kansas City Journal in 1867. He had been a resident of Chicago since 1871, for many years conducting an advertising agency.

Ess.

BOOKS RECEIVED.

DIRECTORY OF FLORISTS, SEEDSMEN, NURSERYMEN, AND ALLIED TRADES FOR 1900. Publishers, the American Florist Company, Chicago. Price, cloth, $2; leather, $3. The present edition of this Directory has been considerably improved over former issues. The list of names has been brought down to the end of December, 1899, and, in addition to the previous handy features of the book, valuable augmentations have been made in the form of lists of head gardeners or superintendents of prominent private estates, landscape architects, experiment station horticulturists and horticultural supply concerns; the list of horticultural societies has also been large added to; the whole constituting a very serviceable reference book.

This Directory is for sale by the FLORISTS' EXCHANGE.

Business Difficulties.

BELMONT, MASS.—John Husband, florist, School street, Belmont, is bankrupt. Schedules show liabilities to be $1,661.79, all of which is unsecured to about 46 creditors. There are no assets.—Globe.

Errata.

In advertisement of H. F. Littlefield, page 81 last issue, the prices on Grafted Roses and New Yellow Fitzwygram 'Mum were transposed; the former should read $10.00 per 100; $90 00 per 1000, and the latter $7.00 per 100; $60.00 per 1000; 200 at 1000 rate.

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Foliar Nematodes.

A lot of begonia leaves, sent from an anxious grower of ornamental plants, has recently been examined, and the cause of the disease seems unmistakably to be that of nematodes. The diseased leaves were brown in patches, and under the microscope the tissue shows a multitude of minute worms. These worms are found most numerous at the junction of the healthy with the watery diseased parts.

Other plants are infested in a similar way with the eel worms. In a mass of variegated pelargoniums perhaps half of the leaves over a square yard of space was brown, and has a disagreeable, slimy feeling. It was evident that when one such dead leaf had fallen on a healthy one the disorder was quickly communicated to it. No trace of fungus could be found in the blighted leaves, but instead there was an abundance of nematodes. The infested foliage was so transparent, due to removal of coloring matter, that by looking through the leaf with the microscope the worms could be seen in all parts of the tissue.

SALVIAS.—In the large beds of salvias the leaves were generally blotched, sometimes more than half being dead, but the living and diseased parts were in each separated by a well defined line; in other words, the blotches were angular and their shape was governed by the veins of the leaf. The dry, brown patches, under the microscope, yielded only eel worms as the cause of the decay. Salvia leaves in general appearance resemble those of the coleus, to which the species is closely related, and in which nematodes were found last year. The blotching of greenhouse salvia leaves is another serious case of nematode attack.

ZINNIAS.—Attention has been called a number of times to a trouble among zinnias, and particularly Z. elegans. The lower leaves prematurely die and hang upon the stems as crumpled, brown masses, giving the affected plants anything else than a handsome appearance. Above these the leaves are more or less blotched with light brown, the affected areas varying in size and color, but are usually quite angular in outline. A microscopic examination reveals the eel worms at work in the leaf pulp and in great numbers. They are probably of the same species as those of the chrysanthemum and other plants of that group.

MOON FLOWERS.—The moon flower, now a popular, rapid growing and profusely blooming vine, is another victim to eel worms. In the leaves of this plant the tissue is loosely placed, thus furnishing a fine feeding ground for the nematodes. Leaves that are infested turn brown in spots, which have the irregular outlines so well illustrated in the coleus and salvia. The variegated sort seemed to be the most susceptible.

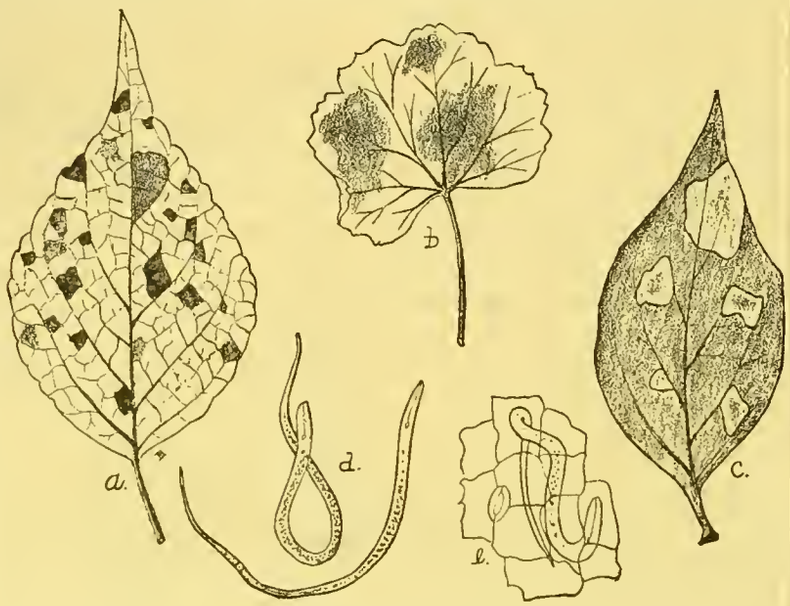
FERNS.—The worst work of nematodes met with during the past few years was in fern-growing establishments, where they did a large amount of damage. While the young seedlings (sporelings) are in the prothallium state they may begin to die, the normal green color being replaced by a dull brown. Beginning at one side of the pot or box of ferns, for example, the trouble may spread quite rapidly over the whole.

There is a well defined line separating the dead from the living plants, reminding one of the demarcation between the burned and unburned portion of a wild meadow in early spring. Leaves containing these nematodes, and apparently free from fungi, were frequently employed to inoculate pots of healthy seedlings. The infected leaf plant was held in place with a piece of thin glass (cover glass) and kept moist, and in all instances the disease spread in radiating lines through the healthy parts, causing them to turn brown and die. These first leaves of the ferns are small and exceedingly delicate, and offer but little resistance to the passage of the worms. Two or three of the nematodes are sufficient to destroy a single plant, from which they can pass on to the next victim.

In connection with the diseased fern plant, some species of fungi were found, and among others the old form of "damping off" fungus (Pythium De Baryanum, Hesse). How much of the whole amount of the mischief must be ascribed to the fungi it is not easy to determine. Many of the forms, however, are no doubt secondary, and follow in the trail of the eel worms and the pythium. It is impossble in this case to suggest an absolute preventive. The conditions under which young ferns are grown are well suited to the development of the nematodes. All eel worms and their eggs are killed by high temperature. They are common root enemies of many kinds of plants, and most likely at the outset make their entrance into the ferns from the soil, while it has been shown by laboratory tests that, once in the tender foliage, they spread rapidly from leaf to leaf throughout the pot or box. Subjecting the soil to a high heat for a short time before sowing the spores should destroy all nematode life. Lastly, avoid as far as possible the dampness that is so favorable to the progress of eel worms. In Figure 1 a salvia leaf is shown at *a* with the infested areas shaded; *b* is a pelargonium leaf diseased, and *c* a bouvardia leaf infested. At *d* two worms are shown much magnified, and one in the left tissue at *e*.

The most striking instance of eel worms destroying the leaves of plants which has come to my notice was seen in specimens of an ornamental fig (Ficus comosa). When first observed nearly all the leaves were badly blotched, and several of the lower ones had fallen away. Upon the upper side the leaves have a bronzed appearance, while the lower surface is brown and somewhat rusty in color. As has been heretofore observed in coleus and salvia, the nematodes do not destroy the life of the leaf uniformly, but, instead, ruin it in spots that are decidedly angular in outline, the boundaries corresponding to the veins of the leaf. In the worst cases the whole leaf may become brown and dead. The engraving (Fig. 2) illustrates the appearance of a leaf that is attacked to only a moderate degree, and was selected for the photographs on this account. It will be noticed that the diseased area is the central portion of the leaf, and its position leads one to wonder if the worms may not have come up from the soil or roots, through the stem and leaf stalk. This seems to be the case with young ferns afflicted in a similar manner and recently studied. To cure such leaves seems out of the question, and what to do as a preventive is not easy to suggest.

[Prof.] BYRON D. HALSTED.
N. J. Experiment Station.



Foliar Nematodes.

Fig. 1.—Showing details of the Nematode Worms in Leaves—(a) Infested Salvia Leaf; (b) Diseased Pelargonium Leat; (c) Infested Bouvardia Leaf; (d) two Eel Worms, much magnified; (e) Eel Worms in Leaf Tissue.



Fig 2.—Ficus Leaf with Eel Worms.

BRIEFS FOR BUSY FLORISTS.

CARNATIONS—We are now in the midst of the propagating and, if we fully appreciate the value of selected stock, we are taking cuttings only from the strongest plants. When rooted and ready to be taken from the sand, transplanting them into shallow flats is as preferable a methods as any, and consumes less time in the operation than potting. The flats also take up less space on the greenhouse bench. The above applies, of course, to that stock which is intended to be planted in the field during the Summer. Stock which will not be put outdoors, but planted direct on to the benches, when the present occupants are thrown out, had better be potted when taken from the cutting bench and shifted into larger pots later, getting them into 4-inch pots if necessary, rather than have them become pot bound before they are finally planted on the benches.

ROSES—All the available wood should be used for cuttings, and blind wood need not be despised, as just as good stock is produced from that as from one or two-eyed cuttings. Bride and Bridesmaid are giving good results where they are being tried grafted on the manetti, and this system is worthy of consideration by all who want to have the best. Manetti stock can be bought at reasonable figures, and an ordinary cutting makes the best eion. All the extra appliance needed is a close frame over a portion of the cutting bench, in which to keep the plants while the graft is uniting.

CUTTINGS OF HELIOTROPES and such begonias as can be used for early work should also be in now. The rex begonia leaves, that were cut up and put into the propagating bed, will now be sending up tiny growths from the base; when large enough to handle they may be pricked off into a pan, using a very light soil, or they can be potted up singly into the smallest size pots. After the first good watering they will need to be kept rather on the dry side, until a few of the young leaves are developed, as too much water given before that time is likely to cause them to damp off.

LILIES FOR EASTER will not require the hard forcing that they did last year, as the date of that holiday is somewhat later this year. To have the bulk of the stock in too early will be almost as bad as to have them too late. Try to have the buds in sight by the first week in March and the rest will be easy.

HINTS and HELPS.

Acclimatization of Plants—This is a subject which should get more attention than it does, as it is one of great importance. As an instance of what may be done in a year or two I would mention that a plant of Ficus repens, which was put out in a position sheltered on the north and east, is evidently getting hardier each year. The first season it had a struggle for existence, the growth being killed to the snow line; since that time most of the damage done by frost has been confined to the unripe growths. There is nothing unusual in the above, but here is the interesting part: Last Fall a year ago cuttings were taken from the plant out of doors; some were also taken from one which had been growing in a greenhouse for years. They were rooted under the same conditions, kept cool during the Winter, and both batches planted outside in the Spring. It is now about ten months since they were put out. The cuttings taken from the greenhouse plants are evidently dead, while those from the outdoor plant are only slightly browned.

The Floriferousness of the Lorraine Begonia may be partly accounted for owing to the fact of its being almost without female flowers, and also to the stamens producing little or no pollen. Among a large number of plants I have seen only a very few female flowers, and these are, so far as noticed, only produced at the very ends of the flowering stems. The pollen is produced exceedingly sparingly, many of the flowers having none at all. Another peculiarity in this plant is, that the male flowers are the most attractive, not necessarily because of their number, the male flowers being larger and better formed than the females.

Canna Rhizomes may be gone over and the decaying portions cut out. It is early yet to start the batch for Spring sales, but those which are intended to be in a forward condition for planting ont, for the purpose of increasing stock, should be cut up into pieces, which will ultimately go into a 5-inch pot. Before potting in well enriched soil the roots should be started in material suitable for the purpose. When potted without roots they are always unsatisfactory, some starting immediately, others remaining dormant. A mixture of sand and sphagnum moss will be found as good as anything. Use boxes to start the rhizomes in; place a little of the sand and moss in the bottom, then put in the plants covering with more of the mixture, and water only sparingly. Good, strong roots will start within a week in a moderately warm house.

Slow Rooting Rubbers, and there are several of them in common use for subtropical bedding in Summer, will now be found to be at rest; unless they are kept in a very warm house, and in this condition ringing and mossing, as the best means of increasing the number, had better be attended to. Those which are slow in taking root in the cutting bed, but quick to respond to the ringing process, are as follows: F. dealbata, F. Porteana (a shade tree from the Philippines, by the way,) F. nymphæfolia, F. macrophylla, F. ferruginea and F. eburnea. While on the subject of rubbers I may mention that for covering damp walls in greenhouses for ornamental effect Ficus repens has been employed for a long time, but there is a species, new to me, which is a better one for the purpose, judging by what I have seen of it. It is named Ficus falcata and is well named, as the leaves resemble nothing so much as a short knife blade. It grows very fast, has very dark green foliage and sticks close to the substance against which it is placed. A good way to start young plants climbing so that they may be easily transferred to permanent positions is to fix the end of a piece of board inside of a pot, allowing a space above the pot 6 inches broad and 12 inches long; then pot the young plants close against the wood.

Anthericum variegatum is a good all-round plant for vases, bedding, or potted for window decoration, although for the last named purpose it is surpassed by the variety known as A. media picta. If the plants which were lifted last Fall were allowed to bloom, and the flower stalks remained on the plants afterward a good opportunity to increase the stock of plants presents itself at this period. All along the flowering stems will be found a crop of small rosettes of leaves which, if cut off, stems and all, and laid on the sand in the shaded part of a warm house, will send out roots in a short time. Large clumps of A. variegatum, which have been hibernating under benches, should be broken up and potted in 3 and 4-inch pots. They may be placed under benches where the light will strike them for at least a portion of the day.



Chrysanthemum Hon. W. Q. Gresham.

Petunias—It is always advisable to sow the best strains of the double petunia seed, as the majority of the seedlings will furnish all the single flowered plants necessary for ordinary use. The doubles can easily be picked out from the singles before the flowering period. They are known by their stocky appearance, the singles having a decidedly "annual" look shortly after the seedling stage has been passed. In order to prevent washing of the soil after the seed is sown use boxes, say, three inches deep; put a shallow layer of sphagnum in the bottom, make the soil firm, give a watering sufficient to wet the soil through; then when the surface will admit of the operation roughen it with the ends of the fingers. Sow the seed thinly and smooth the surface with the end of a cigar-box without covering with soil. A pane of glass or a piece of damp cloth placed over the box will prevent a too rapid evaporation of the moisture till the seeds have germinated. Lobelia, begonia, mimulus and other minute seeds may be similarly dealt with.

Phlox Drummondii—The numerous varieties of this popular flower should be sown now. The single white and red, the latter in various shades make the best display. In sowing cover the seeds with some sphagnum rubbed through a No. 4 sieve; in a moderate temperature they will vegetate inside of a week. The best plan after the plantlets are large enough to handle is to prick off into boxes from which they should be transferred to pots later on in the season. When put in pots during the seedling stage they are apt to get leggy by the time they are in bloom.

Abelia rupestris—Cuttings of this shrub which were put in the bed of the cool propagating house a few weeks ago are nicely rooted by this time. In potting the cuttings those which have an abundance of roots may be placed in thumb pots in the usual way, but in cases where only one or two roots appear they are best placed in the sides of the pot, as in that position they make roots more freely than when in the center. In a short time they will have made growth enough to be shifted into 3-inch pots, and before the time comes when the houses are crowded with Spring stock they may be transferred to the cold frame. Abelia rupestris is reliably hardy south of Washington. The northern limit of its hardiness is probably much further north.



Chrysanthemum, Mrs. J. M. Wilson.

Primula obconica—The growing of this species, especially for cut flowers, a few years ago was conducted on rather an extensive scale in some localities, but owing to some irritating quality which the plant possesses when it comes in contact with the skin, its cultivation got a sudden check. Some say that the check was caused owing to the manner in which it hurt the sale of other things. Be that as it may, it is getting to be a popular Christmas plant, some of its forms approaching in size and color those of the well-known Chinese species; and so long as it is used as a pot plant there is little danger of its stinging hairs being heard from. Seed should be got in without delay to have good plants for next Christmas. Those to be had at this season will necessarily have to be from last year's crop, and as the seed of primulas germinates best when newly harvested, extra care will have to be taken of them; covering the seeds lightly with finely screened moss or Jadoo will hasten germination. The seedlings should be pricked off round the edges of small pots until large enough to be potted off.

Erythrinas—Bring in some of the old plants of E. crista-galli, or any of its forms; they are far the best for Summer work. If not in pots the old stumps may simply be covered over at the roots with moss and given a minimum temperature of 55 degrees. Syringe occasionally to encourage growths for cuttings. As soon as these growths are in the neighborhood of 4 inches in length, take them off with a heel, put in 2-inch pots, using a sandy mixture, and keep them confined in a warm propagating case until they root; shift into larger pots and gradually harden off.

Bedding Begonias—Almost all of the begonias can be bedded out when given shade and an abundance of water. The rex section thrive under these conditions wonderfully well, and if water can be given whenever they require it all of the slower growing forms can be plunged in their pots. These will make grand plants if lifted early and repotted. The best of all begonias for places free from shade is the well-known B. rubra or B. corallina; it glories in full sunshine. If healthy young plants are set out they flower luxuriantly, but old stumps have to make new growths from the base, and owing to the length of time elapsing before a display of bloom is made these plants had better not be used. Plants rooted from outdoor growth last Fall should give an abundant supply of cuttings at this time. As soon as rooted, pot in light rich soil, using as small-sized pots as possible, shifting later as required.

G. W. O.

A Late-Flowering Chrysanthemum.

F. J. Langenbach, Norwich, Conn., sends us some blooms of a late-flowering chrysanthemum, which has come into flower the latter part of January for the past two years. The color is a good deep pink, and the variety appears to be worthy of a place as such in any collection. From its general build it seems to be one that can be grown to a good size. Before sending it out as a new variety we would advise that it be submitted to the National Chrysanthemum Society for opinion as to its merits.

The Position of the Hybridizer.

Editor Florists' Exchange.

In reply to the request of E. S. in the FLORISTS' EXCHANGE of January 20, I wish to state that I personally do all hybridizing myself, and have always done so. In regard to the other points mentioned by E. S. I believe, as he does, that the credit belongs to the originator.

H. A. MOLATSCH.

Some New Chrysanthemums.

Our illustrations are reproduced from photographs of two chrysanthemums, the plants of which were raised at the Propagating Gardens, Washington. The varieties are the pick of a great number of seedlings.

MRS. J. M. WILSON is a cross between Gloriosum and Mrs. E. D. Adams; the color is a creamy white, large reflexed florets, never showing center; stem and foliage are good. Height 2½ to 3 feet. Ready to cut October 25.

HON. W. Q. GRESHAM (named by Mrs. Cleveland after Mr. Gresham's death) is a cross between Mrs. J. M. Wilson and Viviand-Morel; color pure white; flower of good size; reflexed florets, center builds up with interlacing incurved florets; stem and foliage good. Height 2½ to 3 feet. Ready to cut October 25.

The above are the descriptions furnished by Mr. Geo. H. Brown, who is superintendent of the establishment. The varieties are much thought of here.

Washington. G. W. O.

SUPERBA is a cross between Mme. F. Perrin and Maud Dean, a very late Japanese incurved pink, being in perfection December 10 to 30. The originators, Nathan Smith & Son, Adrian, Mich., describe it as follows: "A very double flower, 5½ to 6 inches in diameter, with high, rounded center. Color bright pink, intermediate between that of its parents.



Chrysanthemum Superba.

This we believe to be one of the best commercial varieties we have produced. Buds that were taken November 1 will not be developed for Christmas. Height 4 feet. Take only terminal bud. Certificated by the C. S. A. in 1898, and passing all of the committees in 1899."

LAVENDER QUEEN.—Mrs. Jas. Eadie × Thanksgiving; described by Nathan Smith & Son, the originators, as follows: "A large Japanese, outer petals reflexed and center erect, making a flower of great depth. In general habit resembles Thanksgiving. Height 3 feet. A new color, decidedly distinct from any in commerce, being a soft shade of lavender pink. Under artificial light is identical with the light colored cattleyas so much admired by all. The finest pink for Thanksgiving trade. Take bud about September 25. Certificated by the C. S. A."

Begonia Gloire de Lorraine.

Editor Florists' Exchange.

For general purposes, suitable for the florist, the amateur, and professional gardener, no plant excels this begonia. Its bright color, its wonderful floriferousness and greatest profusion during the short and dull days (more or less) during Winter adds immensely to its value and usefulness. During the past season we have heard of a pink sport, also a white one in England, and a dwarf compact sport known as erecta compacta in Massachusetts; also a pink sport of a lighter shade. This latter variety corresponds with the Gunnersbury sport, not only in color but in the size of the individual blossom. It also has an apparent advantage of lasting longer in better condition than the original. There is also a decided shade of green foliage and not the pale, sickly green changing to a deeper color; it is likewise a more vigorous grower.

How much difference of opinion there is among florists as to the method of culture, the soil and time to propagate, and what is best, leaves or shoots! What may suit one may be entirely wrong for the other fellow. In FLORISTS' EXCHANGE of January 13, page 37, G. W. O. says, respecting the propagation of Begonia Gloire de Lorraine: "The quickest way to propagate, as in the rex section, is by leaves; each leaf may be cut in two, etc." This is entirely at variance with my experience, and with most growers who have grown it in quantity. True, the plant can be propagated by the leaf, but by no means as readily as the rex section, and although the foliage is now mature, there is no season when so little growth is made; and to strip the plants of their leaves, or but partially, only tends to weaken the plants, and the leaves will take from three to four weeks to root; and instead of little growths making their appearance shortly after the roots are formed it will be several weeks. To cut up the plant, using a leaf with an eye, is almost as slow at this season. Hard, ripened or mature wood or leaves is not the best, or the present the most opportune season. The plants require a partial rest to recuperate, and as soon as new growth commences the plants should be encouraged, not defoliated, and when vigorous growth is obtained strong cuttings can be taken that will root easily in the cutting bench in about ten days. Leaves may also be used for cuttings when the plants are vigorous, although they take longer to root; but do not cut, as is usual with the rex varieties. C. B.

The Aster Disease.

Editor Florists' Exchange.

I was interested in the article on aster plants and the tarnish bug in a recent issue of the FLORISTS' EXCHANGE. While my experience with the tarnish bug confirms much that was said, I feel that the insect is not responsible for this wholesale aster blight, or fungoid disease which causes the plants to turn yellow. I think it may be in a measure inherited; that seed growers are not particular enough about destroying all affected plants before they come into bloom, and so the pollen from diseased plants gets on the seed stock! Four years ago we grew some nice Semple asters, with only a small percentage diseased; saved seed from a few of the best blooms and planted it the next season, when about half of the resulting stock was diseased. The next season we purchased seed, and the plants obtained were almost all diseased; the same last season. Now, the question is, who can say that their aster seed has been grown wholly free from this disease? I want to grow some more nice asters, but am really afraid to buy the seed. W. C. JENNISON, Mass.

Correspondence

Insertion will be given in this column to all communications free from animus, but the opinions expressed do not necessarily reflect our own.

Hardiness of Victoria Regia.

Editor Florists' Exchange.

Schoolboy like, I have given too much time to vacation, and not attended to matters that ought to be strictly business. In my previous communications I took a schoolboy's place, desirous of securing all the information I possibly could on the subject in question. I had been told indirectly that I knew nothing, therefore I sought enlightenment as to the hardiness of Victoria regia or V. Trickeri; if the latter was a species, a variety or what, and as G. W. O. could so plainly point out my errors (?), I thought he, better than any one else, could give the readers of the FLORISTS' EXCHANGE the history of Victoria Trickeri and dispel at once all doubts as to its origin, etc., "whether a species or variety, and why it is hardy, which is not the case with the type and var. Randi." G. W. O. takes no notice of my request. If he did he simply turns it down, for obvious reasons; and, on page 1247, retorts by saying I've not complied with his request, etc., on page 1127, for the cause of the increased hardiness of Victoria Trickeri. I am not a botanical dominie; but I will here answer G. W. O.'s question to the best of my ability:

Victoria Trickeri was received by me directly from a foreign house, less than six years ago. I raised the first plant, grew and fruited the same, and from this plant all other plants known as V. Trickeri have emanated. I did not raise it from a Victoria regia, or V. Randi; neither did the seed come from South America. I was well aware that it was not Victoria regia or V. Randi, and I sent seed of V. Trickeri to Kew for identification; but it was unknown to the authorities there, and no one at any of the botanical gardens in Europe knew it, or had seen it, or had heard of it, only as being sent to Kew, by myself. True, in the Kew Bulletin, it was not described as a new species; its many good qualities, different forms from the original type, were given, but the authorities were unable to say or state anything as to its hardiness; that has only been proven here of late.

All that can be said of the hardiness is that it is inherent. It has been known to cultivators for but six Summers only. Now, if this peculiarity has been brought about gradually, as G. W. O. asserts it has, by being grown in water, the temperature of which is lower than that of the habitat of the type, will G. W. O. please tell us where this plant has been grown. If he does not, we may conclude that he can not tell. As I said before, I was seeking information; so far I've received none. I did not claim it to be a species or a variety; was ready to hear what others had to say.

I have asked G. W. O. several questions, but he has failed to enlighten the craft. I asked him to test the three kinds under the same conditions. He says there is no necessity. Well, how can he prove any identity without experiment? If, as he says, V. Trickeri is but a form of V. regia, why is it not possible to raise V. Trickeri from V. regia, seed saved from a plant that has been grown in water of a lower temperature than that of its native habitat; and if V. Trickeri is a form or variety of V. regia is it not possible that instead of plants of V. Trickeri he will get plants of V. regia, or at least, a proportion? Is that not the case with species and varieties of nymphæa and other orders of plants? I have found it so. I have raised thousands of plants of Victoria Trickeri, and I've yet to see the first variation, or a sign, or semblance of a V. regia; on the other hand, there is a greater similarity between V. regia and V. Randi. In fact, it is a hard matter to get either true; but this I've never beard of, that a Victoria Trickeri had been raised from a Victoria regia, or a plant showing any resemblance.

There is much more to prove that Victoria Trickeri is a species than there is that it is a form or variety of Victoria regia, and here I will stay until convincing evidence can be brought to the contrary. W. TRICKER.



Chrysanthemum Lavender Queen.

New York.

Market Notes.

The cold wave which struck here Thursday morning gave a decided check to the cut-flower business. Up to that time dealers had found a good demand for flowers along all lines, and in some cases an advance in prices had been obtained over those that ruled one week ago. The top-grade American Beauty are bringing 60c., and the quantity of those coming in is but small compared with the number of fancies and extras. Among the two latter grades there is quite a number of malformed or otherwise unsalable flowers (ringers is the class they belong to) that ought to be sent in under separate cover as it were, or, at least, kept separate from other grades for which a good average price is expected. Buyers of Beauty, or any other rose for that matter, are too critical nowadays to allow any chance of a few ringers being passed among their purchases.

Fifteen dollars per 100 is the top price for Bride and Bridesmaid, and from that down as low as $2 per 100. The demand has been good, and during the first part of the week dealers could probably have disposed of more flowers of the best grades had it been possible to get them. Extras brought from 8c. to 10c.; No. 1's, 5c. to 8c.; No. 2's, 2c. to 4c.

Carnations showed a little improvement in values in the early part of the week, and cleared out fairly well; they are going slower now, and prices are about the same as reported last Saturday.

White orchids are quite scarce, but the same cannot be said of cypripediums. Although the standard price of the latter is fixed (or supposed to be fixed) at 12½c. each, many of these flowers are reaching retailers at a figure much below that. Cattleyas go fairly well, and the best bring 50c.

Daffodils are now coming in plentifully and bring from $3 to $4 per 100. Tulips also are abundant at from $1.50 to $2, according to color, with yellow the favorite.

Lilac is not going so well as it did last week, good bunches of the pink stock being offered at 75c.

No change is noted in the value of violets, and the mild weather we had up to Thursday made it possible for the street men to handle large lots. It is feared, however, that the cold snap will close the outlet in that direction, and the flowers will not be cleared out of the market as satisfactorily as they have been.

The retailers are enjoying good business; decorations for dinners, etc., are much in evidence, and the orders for funerals are using up plenty of flowers. Sprays of forsythia are now being used for window decorations; it is a charming subject for this purpose.

The News.

Frank Sheehan has taken a position with Blauvelt & Guttman.

Felix Bernstein opened a retail store, Monday, at the corner of 92d street and Madison avenue.

J. K. Allen will be in his new location, 106 West 28th street, on or before next Saturday, February 10. The new store has been fitted up in first-class style, and the facilities for handling his consignments are all that could be desired.

Eugene Dailledouze made a trip to Cincinnati, January 30, to see the new carnation Enquirer.

Grand Rapids.

Dark, cloudy weather, snow storms and blizzards form our present weather diet. It is poor growing weather. Violets are not flowering as freely as last week, roses are off and scarce, while business continues good, particularly shipping orders. Roses still stand firm at $1.50 per dozen; carnations, 35c. and 50c. per dozen; Harrisii and callas, $2 per dozen; valley and Romans, 75c. per dozen. Beauty are too scarce to quote.

Repotting of Spring stock has begun.

At least two, possibly four, members from Grand Rapids will go to the Buffalo Carnation Convention. Crabb & Hunter will take Irene, which scored 92 points at Chicago, and see what those at Buffalo will do to her. G. F. C.

Buffalo.

Business Bits.

Trade continues but normal in a general way, neither good nor bad. Wintry weather is now with us. Roses are in fair supply. Carnations are amply plentiful, while violets seem over abundant.

Here and There.

Wm. Scott gives out that on May 1 he will retire from the downtown store location and concentrate his entire sales business at his Cold Spring greenhouses.

John G. Pickelman, of French street, recently disposed of his interest in his Chippewa Market stand.

A quartet of visitors were entertained by W. J. Palmer at his Lancaster Greenhouses on Friday last, and included H. J. Wise, of E. Aurora; Wm. Scott, W. F. Kasting and W. B. Scott.

Recent visitors included Joseph Rolker and John Barclay, of New York; Chas. T. Geunther, of Hamburg, N. Y.

Carnation Society Matters.

A meeting of the committee of arrangements pertaining to the Carnation Convention was held on Tuesday evening. The Genesee Hotel was formally decided on for headquarters, with the business meetings to be held there. Morgan Hall, where the exhibit will be held, is in the building next adjoining this hotel. Scarcely a single block distant the Tifft House and Groener Hotel also offer pleasing inducements to comers. All are moderate-priced hotels, and rooms may be engaged either direct or through W. F. Kasting or Wm. Scott, of the committee. A committee was also directed to arrange the matter of an informal entertainment for Friday evening in the exhibition hall. The inviting of the public to a limited number, by ticket, to the exhibition, is contemplated. VIDI.

Ottawa.

Weather has been seasonable—plenty of snow and a fair share of sunshine. Business has been fair; we are now looking forward to a considerable increase as Parliament meets at the end of the week, the drawing-room being next Saturday. Violets have been more than sufficient, both Graham and Scrim having very fine crops. Carnations are good with some, and indifferent with others. Roses are scarce, generally.

At last there are signs that our trade paper is to appear; the middle of February being the date. We shall give it a hearty welcome.

Mr. McHutchinson, New York, was in town on Saturday. E.

Philadelphia.

The Market.

The past week has been a fairly good one for florists; entertainments and balls have been in full swing, using up quantities of flowers. Transient trade has also been very good.

There is not quite as much surplus stock around this week, owing to the supply falling off. The chief demand for the past three days has been for tea roses, Bride and Kaiserin being much sought after. There is a special demand noticed for other stock. Sales so far this season are fully up to average; but there has been a much larger quantity of flowers coming in. Good carnations are selling fairly well, but prices are low for the quantity of stock. Violets also do not go well, only choice flowers being wanted. In bulbous stock yellow narcissus only are selling in any quantity. Tulips are difficult to dispose of. Smilax and asparagus have met with good demand, no doubt on account of decorative work.

The News.

Thomas James, an employée of Pennock Bros., died last week of pulmonary trouble. He went to Pennock Bros. as a boy, in 1876, and continued in their employ until his death. He was a faithful worker, and much respected.

The seed trade in general feel well satisfied with the first returns from the catalogues. Receipts are ahead of last year, and prospects look good.

DAVID RUST.



Chrysanthemum Society of America's Cup awarded to Nathan Smith & Son for seedling Goldmine, scoring highest average for 1899.

Boston.

The Market.

There has been a slight improvement in business noticed the past week. Stock has shortened up somewhat, although there is plenty for the demand. In roses Bride and Bridesmaid are becoming scarce, and though the scarcity is not felt yet there are very few in excess of the demand. They range in price from $1 to $10, a limited supply of extras making $12.50 a 100. Kaiserin and Carnot are scarce; the former, however, are not sought, while the newer rose does well at from $4 to $16 a 100, and cleans out every day.

American Beauty is about the only rose now in excess of the demand. This is mainly due to the falling off in quality which has been noticed for the past couple of weeks. Prices on these flowers vary, as does the demand; one day there is almost no call for them and on another they do very well at from $2 to $25 a 100 in the different grades. A few specials of select quality make higher prices.

Carnations, however, are still very plentiful, but the finer grades are not over abundant and clean up very well, especially fine white ones which are rather scarce. Prices range from $1 to $1.50 for good grades, a few extras making $2 a 100, and fancies $3.

Bulbous stock becomes more plentiful daily, but prices hold up about the same. Trumpets and Von Sion make $2.50 to $3 a 100 for good quality, and Campernelles $1 to $1.50. Paper Whites bring 75c. to $1 a 100, and are very plentiful, as are Romans at $1 to $1.50 a 100. Valley continues at usual price. Mignonette is becoming more plentiful, but does well at $1 to $2 a 100 for ordinary to good grades, and $3 for extra quality. Freesia is also very plentiful, at from 50c. for short-stemmed sprays, to $1.50 a 100 for the finer ones.

The retail stores are now ablaze with flowering plants of the various Spring tubjects. Warren Ewell is bringing in a fine lot of bulbous stock in pans, including tulips Duc von Thol, Proserpine, Keiserskroon, Yellow Prince and other varieties; daffodils and Trumpets in pans, Dutch hyacinths in pans and single bulbs in 4 and 5-inch pots. Pans either of tulips, hyacinths or narcissus average $7 to $7.50 a dozen; while crocus pans, which are not so plentiful, make $9 a dozen; hyacinths in the single pots fetch $1.25 to $1.50 a dozen.

William W. Edgar has one of the finest lots of specimen azalea plants, in all varieties, that one would want to see. They are in sizes measuring from one to four feet in diameter. Other lots of exceptionally fine plants are to be seen at E. N. Pierce & Son's place at Waverly, and W. S. Ewell & Son's greenhouses at Dorchester.

The failure is reported of John Husband, of Payson Park.

Miss Mira Loyd Dock, of Harrisburg, Pa., delivered an illustrated lecture on "The Procession of Flowers," before the Massachusetts Horticultural Society, Saturday last.

Saturday, February 3, will be held the second of this season's regular shows at Horticultural Hall. Prizes are offered for pots of freesias, and also for violets, orchids, carnations and camellias, as well as for vegetables. F. J. N.

TOBACCO STEMS
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60 CTS. PER 100 LBS.
BALES WEIGH 500 LBS.
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"THE BLACK STUFF."
Fine or Coarse to Your Order
50 to 1000 lbs., 2 cents per pound.
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Tobacco-Whale Oil Soap for syringing for washing plants. We Know its Goodness. All Seedsmen Keep it

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Large Stock of Strong Rooted Cuttings Now Ready.

G. H. CRANE, MORNING GLORY, MACEO, GLACIER, GOMEZ, AMERICA, RED MRS. BRADT (or Chicago), MARY WOOD and other good standard sorts.

MRS. GEO. M. BRADT for March delivery—all the early stock sold.

FIVE 1900 NOVELTIES.

MRS. THOS. LAWSON, ETHEL CROCKER, THE MARQUIS, OLYMPIA and GENEVIEVE LORD. At introductory prices.

We make a Specialty of Rooted Cuttings, and have three houses of stock growing for that purpose only.

Send for Descriptive Price List.

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LAFAYETTE, IND.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS.

We are booking orders for Lawson, Olympia, Marquis, Ethel Crocker and Genevieve Lord at introducers prices. List of standard varieties ready now. Send at once for an estimate on your order.

WM. MURPHY,

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Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

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ROOTED CARNATION CUTTINGS

	Per 100	Per 1000
ETHEL CROCKER, per 25, $2.5; per 250, $18.75	$10 00	$75 00
OLYMPIA	12 00	100 00
MARQUIS	10 00	75 00
LAWSON	14 00	120 00
GENEVIEVE LORD	10 00	75 00
AMERICA	5 00	40 00
CRANE	6 00	50 00
JUBILEE	2 00	15 00
WHITE CLOUD	3 50	30 00
FLORA HILL	1 50	10 00
JOHN YOUNG	$2 00	$15 00
McGOWAN		10 00
ARGYLE	2 00	15 00
JOOST	2 50	20 00
DAYBREAK	1 50	10 00
VICTOR	1 50	12 50
SCOTT		10 00
BRADT	5 00	40 00
ARMAZINDY	1 50	10 00
NIVEA		

GRAFTED ROSES.

$10.00 per 100; $90.00 per 1000.

New Yellow Fitzwygram "Mum."

$7.00 per 100; $60.00 per 1000. 200 at 1000 rate.

SPECIAL PRICES ON 10,000 AND UPWARD. PRICE LIST NOW READY.

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ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000
Mrs. Lawson	$14 00	$120 00
G. H. Crane	5 00	
America	5 00	40 00
Mrs. Bradt	4 00	
White Cloud	2 50	20 00
Frances Joost	2 50	20 00
Triumph	2 50	20 00
Evanston	2 50	20 00
Jubilee	2 00	15 00
Gold Nugget	2 00	15 00
Mrs. McBurney	2 00	15 00
Flora Hill	$1 25	$10 00
Daybreak	1 25	10 00
Argyle	1 25	10 00
Armazindy	1 25	10 00
Lizzie McGowan	1 00	7 50
Evelena	1 00	7 50
Mayer Pingree	1 00	7 50
Painted Lady	1 00	7 50
W. Scott	1 00	7 50
Tidal Wave	1 00	7 50
Morella	1 00	7 50

ROSES.

	Per 100	Per 1000
American Beauty	$3 00	$25 00
La France	2 00	17 50
Perle	1 50	12 50
Meteor	$1 50	$12 50
Bride	1 50	12 50
Bridesmaid	1 50	12 50

Stock to be first class and to be sold under the conditions that they shall be returned immediately if not satisfactory. Address

GEORGE REINBERG,

Mention this paper. 51 Wabash Avenue, CHICAGO, ILL.

NOTES BY THE WAY.

WESTERLY, R. I.—It denotes a healthy condition of things, both in the market and stock, when Golden Gate, Bride and Bridesmaid roses bring $40 per 100 around the holidays and $20 before and since. Something in favor of grafted stock I fancy, and, of course, the house is a great factor. The houses this grand stock is growing in are each 200x21 feet short span to south, 14 feet to ridge, a difference of but 2 feet on either side; four walks in each house. The plants are grown both in solid beds and on the shallow bench, either way with satisfactory results. Mr. Reuter tells me the old favorites, Bon Silene and Papa Gontier, are in request; he has some benches of Bon Silene, own root stock, that are a picture. The Boston market calls for these, and a new house, 200x22 feet, will be built and planted with these two kinds this Spring. Golden Gate is becoming very popular; its vigor of growth, substance of bud, fragrance and color are everything in its favor. I expect to see this rose grown extensively next season, as everyone who has tried it speaks well of it. It is a good seller. Beauty and Kaiserin are grown for Summer trade at Watch Hill, which is about the only retail business transacted here. While roses are a leading feature, and the forest of growths shooting up bespeaks a strong one, carnations are strongly represented. Here may be seen Daybreak, house after house presenting a panorama of beauty. Several of the houses of this variety are under the charge of Louis Reuter, the son of the proprietor, and bear evidence of the young man's watchfulness and skill. White Cloud and John Young are the best whites. Flora Hill is not doing well this year, and Freedom has more or less stem rot. Victor is the best variety for Summer use, but it bursts badly. I notice this in several places. Scott will be discarded. Dexter Pierce is a good commercial scarlet. Most of the newer kinds will be given a trial. Mr. Reuter has recently built a snug office of North Carolina pine, with desk of same material to match.

PROVIDENCE, R. I.—T. O'Connor showed me a house of Scott just the opposite to what I saw at Westerly. It seems to have become vagarious with age. Joost is lovely, better this year than last. New York is grown extensively and is almost identical with Lawson, it is done so well here. Maceo is a favorite, owing to its excellent keeping qualities. Bon Ton, Jubilee, Melba and Mrs. James Dean will be thrown out after this season; they are considered unprofitable. Crane will be grown more extensively owing to its color. Jahn's Scarlet is used as a parent for many new seedlings being produced. There being less demand for smilax than formerly one house will be devoted to the rose Liberty, and, perhaps, Golden Gate. I noted a splendid tree of Acacia pubescens coming in fine for Easter, and a healthy lot of lilies.

William Hoffman has a batch of carnation seedlings among which are some fit for exhibition at Buffalo, but he will wait for further trials before exhibiting.

John A. Macrae has a pleasant surprise in store for lovers of a fancy carnation; it is a sport from Eldorado, with just the slightest trace of its parent, a beautiful creamy shade changing to pure white as the flower develops, with just enough penciling to give it a rich effect; it is even more vigorous than Eldorado, very floriferous and of clean habit; does not burst the calyx. It is an ideal fancy and has stood a test of four years' growth, improving each season. Other kinds well grown are Flora Hill, which, with Scott, is all one could wish, planted in some new houses built last Summer; even span, 130x27 feet—model carnation houses. A front house with office was added, to keep pace with the times.

Farquhar Macrae was putting in chrysanthemum cuttings at time of my visit. He hits it on chrysanthemums every season, and can speculate on knocking out the other fellow every time wherever he shows against him.

An increase in the demand for palms has induced Alex. Miller to devote a part of the Rhode Island Greenhouses to their growing. The houses are more suitable for this purpose than for flowering stock; he will no doubt make a success with foliage plants.

Store business seems good all through the city. Mr. Fairbrother reports first-class wholesale demand. Johnny Wood says there has been a big difference since he took hold of the new store on Mathlesen street. Alex. Miller has a young lady who is an artist on floral designs and reports a decided increase. George Johnson anticipates making his annual European tour after the Spring rush, to look out for new things. T. J. Johnston was too busy to express himself as to the estate of trade, and Alex. Rennie had just returned from a trip to his new warehouse, which, with a modern seed store, he will shortly open in conjunction with a well-known New Yorker under the firm name of Rennie & Pino, with the best wishes of all his many friends, made during a residence of 12 years in the Capitol City.

Owing to the open season the outdoor business was an unusually good one with M. Sweeney.

NEW HAVEN, CONN.—Smith T. Bradley has a dwarf compact form of Chinese primula which, as a novelty, takes precedence over the ordinary strain. The demand for flowering plants was never better than during this season.

At the Hubinger place John Doughty sprung a surprise with a fine crop of tomatoes, variety Best of All, for the Christmas market. These are grown at one end of a carnation house, run almost to the ridge from a side bench. I noted a similar instance at the Vanderbilt Garden, at Biltmore, recently, but Mr. Doughty deserves the palm for the largest crop in the smallest space.

Mr. Arthur, the vegetable gardener at Biltmore, has great success in raising water cress under cucumbers. This was new to me, and may be to others who desire to utilize spare spaces in the houses.

Mr. Rowe, at the Kendal place, proposes going more extensively into carnations, finding they succeed better than roses. This is a great town for the divine flower, which retails, as a rule, at a straight price of 25c. per dozen.

NEW LONDON, CONN.—One of the handsomest wreaths I have seen for some time was sent out to-day by John Spalding to a large funeral, and which was one of many pieces ordered, chiefly flat bouquets, which have taken largely the place of set pieces. This wreath was composed of bronze galax leaves with a bunch of Bride roses and valley—very chaste.

The types in THE EXCHANGE, in its interesting note of this versatile and venerable member of the craft and his establishment, made the area of glass read 1,700 instead of 17,000 square feet; it is not a large plant, but is an emporium, which has ample resources of supply outside.

RALEIGH, N. C.—Henry Steinmetz had a busy season with profits reduced, owing to high prices asked by the commission men around the holidays. He will erect more glass to raise his own stock to combat this. W. M.

ROOTED CARNATIONS CUTTINGS

WHITE CLOUD and FRANCES JOOST, $2.25 per 100; $20.00 per 1000.

DAYBREAK, SCOTT. Fine Healthy Stock, $1.25 per 100; $10.00 per 1000.

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Lizzie McGowan, $1.00 per 100; $9.00 per 1000.

Wm. Scott, $1.00 per 100; $9.00 per 1000.

AGERATUM— Cope's Pet, blue; Lady Isabel, white, 60c. per 100; $5.00 per 1000.

PETUNIAS— Dreer's and Henderson's, named, $1.25 per 100.

We pay the express on all Rooted Cuttings. Our guarantee goes with everything we send out, to please you; for that CASH, PLEASE.

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Carnation Cuttings.

	Per 100	Per 1000
MRS. LAWSON	$14.00	$120.00
G. H. CRANE	5.00	
AMERICA	5.00	40.00
MELBA	4.00	30.00
LESLIE PAUL	4.00	30.00
GOV. GRIGGS	4.00	30.00
MRS. BRADT	4.00	35.00
FRANCES JOOST	2.50	20.00
EVANSTON	2.50	20.00
JUBILEE	2.50	20.00
VICTOR	2.50	20.00
WHITE CLOUD	2.50	20.00
FLORA HILL	2.00	15.00
GOLD NUGGET	2.00	15.00
TRIUMPH	2.00	15.00
DAYBREAK	1.25	10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
LIZZIE McGOWAN	1.00	7.50
EVELINA	1.00	7.50
MAYOR PINGREE	1.00	7.50
WM. SCOTT	1.00	7.50
NIVEA	1.00	7.50
MORELLO	1.00	7.50

Rose Cuttings.

METEOR	$1.50 per 100
BRIDESMAID	1.50 "
PERLE	1.50 "
BRIDE	1.50 "
GOLDEN GATE	2.50 "

Write for Prices on large lots.

All plants and cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded. Write for prices on larger lots.

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Now ready of all the leading varieties.
All stock guaranteed A1.
If not satisfactory, money refunded.

CHICAGO CARNATION CO.,

Greenhouses and Address, **JOLIET, ILLS.**

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Rooted cuttings now ready of the following kinds: FLORA HILL, $1.25 per 100. WHITE CLOUD, $2.50 per 100. JOHN YOUNG, $2.00 per 100. TRIUMPH, $2.00 per 100. DAYBREAK, $1.25 per 100. JUBILEE, $2.00 per 100. ELDORADO, $2.00 per 100. EVELINA, WM. SCOTT, LIZZIE McGOWAN, and NIVEA, each $1.00 per 100.

S. LITTLEFIELD, North Abington, Mass.

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Rooted Cuttings of New and Standard

CARNATIONS.

SEND FOR PRICE LIST.

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Mention the Florists' Exchange when writing

100,000 Well Rooted... Carnation Cuttings

Strictly first-class stock, from our own greenhouses.

Wm. Scott, Edith Foster, Daybrenk, Freedom, McGowan, Wellesley, Robin Hood, Zampa, Nivea, Alba Superba, $1.00 per 100.
Mrs. Frances Joost.....$2.50 per 100.
Flora Hill.....$1.50 per 100.

Special prices on large lots, or on orders booked now for future delivery from sand or soil.

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84 Hawley Street.

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BASSETT & WASHBURN,

76 and 78 Wabash Ave., CHICAGO, ILL.

ROOTED CUTTINGS, ROSES AND CARNATIONS.

Get new blood in your Roses and secure what you want from grafted stock. Our cuttings this year are made from grafted plants and none but the best wood will be used.

BRIDES, Per 100, $1.50. BRIDESMAIDS, Per 100, $1.50. METEORS, Per 100, $1.50

CARNATIONS.

WHITE	Per 100	Per 1000
Flora Hill	$1.50	$10.00
Mary Wood	2.50	20.00
White Cloud	2.50	20.00
PINK		
Triumph	$2.50	$20.00
Frances Joost	2.50	20.00
Daybreak	1.50	10.00
DEEP PINK		
Leslie Paul	$5.00	$45.00
Cerise Queen	2.50	20.00
Painted Lady	2.50	20.00
YELLOW. Gold Nugget	$2.50	$20.00

STRIPED WHITE and RED	Per 100	Per 1000
Mrs. Bradt	$5.00	$40.00
Psyche	1.50	10.00
Armazindy	1.50	10.00
RED		
Red Mrs. Bradt	$10.00	$75.00
Jubilee	2.00	15.00
America	5.00	45.00
G. H. Crane	5.00	45.00
MAROON. Empress..	$2.50	$20.00

BASSETT & WASHBURN, 76 and 78 Wabash Ave., CHICAGO

Mention the Florists' Exchange when writing.

Ethel Crocker

Absolutely the best Pink CARNATION ever offered the Trade.

A fact fully borne out by its record, being equally good with Craig, Hill, and myself. (An assurance that it is not a success in one soil and a failure in another.) By its having been shown at the Flower Shows and Clubs since early in September. (An assurance that it is not a good late carnation, but an all season variety.)

In color, size, fragrance and stem it is just what the "storemen" want.

In habit, constitution and freedom of bloom, it is just what the grower wants. It produces more flowers to the square foot than any other known variety, and is never out of crop from September to July.

With 18,000 stock plants to work from there is no danger of it being over-propagated, and all orders intrusted to me will be filled with cuttings selected from the plants and the order filled by myself, thus doubly assuring good stock.

Honest sample blooms furnished, prepaid, at $1.00 per dozen. Amount deducted from all orders for 100 or over. Up to date, every sample excepting one out of several hundred sent, has brought an order.

PRICE—Per 100, $10.00; per 25, $2.50; per 1000, $75.00; per 250, $18.75.

☞ **PRICE LIST FOR STANDARD VARIETIES READY NOW.**

HERR'S PANSIES—Good little plants at 75 cts. per 100; $4.00 per 1000.

ALBERT M. HERR, - - Lancaster, Pa.

Mention the Florists' Exchange when writing.

A GRAND RECORD

Genevieve Lord

STANDS at the head of the list of light pink carnations. It is undefeated in its class. A commercial triumph, combining fine exhibition qualities. With its grand length and stiffness of stem, beautiful large flowers, grand color, general good habit, productiveness, etc., it cannot fail to win for itself a place in the front rank of the greatest money makers of to-day.

We will not over-propagate it; as soon as limit of healthy production is reached, our order book will be closed. Book is now open. All orders filled in rotation; bear in mind the importance of this fact. Send for complete description.

Price, $75 per 1000; $10 per 100; $2 per dozen.

Please Note: Stock for delivery prior to March 15th, all sold. Are now booking orders for that date and later.
Stock is going fast, don't delay.

We can also furnish first delivery, the following varieties, at introducers' prices: **Olympia, Mrs. Thos. W. Lawson, The Marquis, Ethel Crocker, Jas. Whitcomb Riley, Chicago** and **Estelle.**

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS

Strong, healthy, well rooted cuttings, from sand or soil, for immediate or future delivery.

F. Joost, Genesee, Bon Ton, $2.00 per 100; $15.00 per 1000.

Freedom, Victor, Empress, Daybreak, $1.25 per 100; $10.00 per 1000. Cash with order.

C. F. FAIRFIELD, Mgr., Springfield, Mass.

Mention the Florists' Exchange when writing.

ELM CITY

A Grand New White **Carnation.**

Seedling of LIZZIE McGOWAN and MME. DIAZ ALBERTINI; in its fifth year.

The Flowers are large, finely shaped and of strong fragrance.

Petals are heavy, of good substance, and nicely fringed.

Calyx is very strong, after the style of Albertini, and non-bursting.

The Stem is strong, holding the flowers erect.

The Plant is a good grower and free bloomer, not subject to stem rot or any disease.

Rooted Cuttings, Ready Feb. 1, at $1.50 per Dozen, $10.00 per 100, $70.00 per 1000. Cash with order.

We shall prepay the express charges where money accompanies the order. Orders filled in rotation.

M. E. KRAUS, New Haven, Conn.
320 Davenport Avenue.

Mention the Florists' Exchange when writing.



100,000 Rooted Cuttings CARNATIONS

Now Ready to Ship.

Early orders get the best rooted stock.

	Per 100
MRS. THOS. W. LAWSON, pink	$14.00
ETHEL CROCKER, pink	10.00
THE MARQUIS, pink	10.00
GENEVIEVE LORD, pink	10.00
OLYMPIA, variegated	12.00
G. H. CRANE, scarlet	4.50
AMERICA, scarlet	4.00
MELBA, light pink	3.50
MRS. G. BRADT, variegated	3.00
GLACIER, white, fine	4.00
MAUDE ADAMS	3.50
GOMEZ, dark red	4.00
MRS. F. JOOST, pink	2.50
GOLD NUGGET, yellow	3.00
ARGYLE, fine pink	1.25
TRIUMPH, fine pink	1.50
DAYBREAK, shell pink	1.00
EMPRESS, dark red	1.00
FLORA HILL, white	1.50
WHITE CLOUD	2.50
MARY WOOD, fine white	3.00
JUBILEE, scarlet	1.50
PSYCHE, variegated	1.50
MORELLO, scarlet	1.50
WM. SCOTT, pink	1.00
LIZZIE McGOWAN	1.00

No orders shipped to Canada for less than $10, cash

5 Cuttings at 100 rates.

PLANTS

		Per 100
Geranium De Roo Mitting	2¼ inch	$7 00
Geranium Double Snow Drop,	"	7 00
New Yellow Baby Primrose	"	7 00
22 Coleus, fine, named	"	4 00
20 Standard Coleus, named	"	1 00
30 Double Petunias, mixed	"	2 00
Primula Obconica, 3½ inch		3 00
Primula Obconica, 2¼ inch		2 00
Primula Chinese, 2¼ inch		1 00
Primula, from flats, strong		50
Velvet Plant		2 00
15 Begonias, flowering, named, 2¼ inch		2 00
Forget-Me-Not, winter flowering, 2¼ inch,		2 00
Iresines, 2 varieties, red, yellow, 2¼ inch		1 50
Pansy Plants, per 1000, $3.00		50
Cannas, large flowering, mixed		1 00
Mesembryanthemum Erectum, 2¼ inch		2 00
California Moss	"	2 00
Lycopodium Dent	"	2 00
Alternanthera, 4 varieties	"	1 50
Feverfew, Yellow Foliage	"	1 50
Feverfew, Little Gem	"	1 50
Dusty Miller	"	2 00
Cigar Plant	"	2 00
Vinca, variegated, trailing	"	2 00
Pure White Pansy Plants		50
Ferns, mixed, our selection, 2½ inch		5 00
Lobelia, Crystal Palace Gem,	"	1 50

Five plants at 100 rates.

THE MORRIS FLORAL CO., Morris, Ill.

Mention the Florists' Exchange when writing.

J. K. ALLEN,
Wholesale Commission Dealer in
CUT FLOWERS
57 W. 28th Street, New York.
Orders by mail or telegraph promptly attended to. Telephone, 167 Madison Square.
Fine ROSES and CARNATIONS, Specialties.

W. S. ALLEN,
17 West 28th St., New York.
Correspondence Solicited.

BLAUVELT & GUTTMAN,
36 W. 27th St., NEW YORK.
Wholesale Commission Florists
Consignments of first-class stock solicited.
Orders by mail or telegraph receive the best of attention. 'PHONE 1290 Madison Sq.

CUT FLOWER EXCHANGE
404-412 E. 34th St., N. Y., near Ferry.
Open every Morning at 6 o'Clock A. M. for the Sale of Cut Flowers.
This is not a commission house; the market consists of individual stands.
Wall Space for Advertising Purposes to Rent.
J. DONALDSON, SECRETARY.

JULIUS LANG,
Wholesale Florist
53 WEST 30th ST.
Consignments Solicited. NEW YORK.

FRANK MILLANG,
Wholesale Commission Dealer in
CUT FLOWERS
408 E. 34th St., NEW YORK CITY.
Cut Flower Exchange.
Telephone Call, 299 Madison Square.

MOORE, HENTZ & NASH,
WHOLESALE
Commission Florists,
Located in Salesroom of the New York Cut Flower Co.
119-121 W. 23d St., New York.
Telephone 788 18th St.

THE NEW YORK CUT FLOWER CO.
119-121 West 23d Street,
112-114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders

Carnations Roses
John I. Raynor,
49 West 28th St.,
Telephone 1998 Madison Square. New York.
Violets Valley

All Business is Running to Specialties
GEORGE SALTFORD
Makes a Specialty of
VIOLETS
At 50 West 29th St., New York.
Send Your Consignments. Tel. 1304 Madison Sq.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR NOVELTIES
Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
ORCHIDS A SPECIALTY.
JAMES McMANUS, Telephone, 739 Madison Square. 50 W. 30th St., NEW YORK

"Always Ready to Receive Fine Stock."
VIOLETS W. H. GUNTHER, Carnations
ROSES Wholesale Florist, ORCHIDS
30 West 29th St., New York.

WALTER F. SHERIDAN,
Wholesale Commission Dealer in CUT FLOWERS
39 W. 28th STREET, NEW YORK.
Receiving Extra Quality AM. BEAUTIES and all other varieties of Roses.
TELEPHONE 902 MADISON SQUARE. CARNATIONS.

...Wholesale Prices of Cut Flowers...

	Names and Varieties	New York Feb. 2, 1900	Boston Feb. 1 1900	Philadelphia Feb. 1, 1900	Baltimore Jan. 31, 1900	Buffalo Jan. 31, 1900
Roses	A. BEAUTY, fancy—special	40.00 to 60.00	25.00 to 30.00	40.00 to 65.00	.... to	50.00 to 75.00
	" extra	30.00 to 40.00	16.00 to 20.00	25.00 to 50.00	35.00 to 40.00	25.00 to 40.00
	" No. 1	20.00 to 25.00	8.00 to 12.50	12.50 to 35.00	20.00 to 30.00	10.00 to 15.00
	" Culls & ordinary	4.00 to 12.00	2.00 to 6.00	3.00 to 15.00	8.00 to 15.00	4.00 to 10.00
	Bride	2.00 to 15.00	1.00 to 12.50	3.00 to 12.00	4.00 to 6.00	4.00 to 12.00
	Bridesmaid	2.00 to 15.00	1.00 to 12.50	3.00 to 12.00	4.00 to 8.00	4.00 to 12.00
	Hoste	.... to	.... to	.... to	.... to	4.00 to 8.00
	Jacqueminot	.... to	.... to	.... to	.... to	.... to ....
	K. A. Victoria	.... to	1.00 to 12.50	3.00 to 10.00	4.00 to 6.00	.... to ....
	La France	3.00 to 6.00	.... to	3.00 to 10.00	3.00 to 6.00	.... to ....
	Mermet	.... to	.... to	.... to	.... to	.... to ....
	Meteor	2.00 to 10.00	1.00 to 6.00	3.00 to 12.00	.... to 6.00	4.00 to 12.00
	Mrs. Pierpont Morgan	2.00 to 5.00	.... to	3.00 to 8.00	.... to	.... to ....
	Niphetos	.... to	.... to	.... to	.... to	3.00 to 5.00
	Papa Gontier	.... to	.... to	3.00 to 6.00	3.00 to 4.00	3.00 to 5.00
	Perle	2.00 to 8.00	1.00 to 6.00	2.00 to 8.00	3.00 to 5.00	3.00 to 6.00
	Souv. de Wootton	.... to	.... to	.... to	.... to	3.00 to 6.00
	ORCHIDS—Cattleyas	40.00 to 50.00	.... to	40.00 to 50.00	.... to	.... to ....
	Cypripediums	.... to 12.50	8.00 to 12.50	15.00 to 25.00	.... to	.... to ....
	Dendrobium formosum	15.00 to 25.00	.... to	.... to 25.00	.... to	.... to ....
Carnations	Inf'r grades, all colors	.75 to 1.00	.50 to .75	.50 to 1.00	.75 to 1.25	.75 to 1.00
	STANDARD VARIETIES White	.75 to 2.00	1.00 to 1.25	1.00 to 1.50	1.50 to 2.00	1.00 to 2.00
	STANDARD VARIETIES Pink	.75 to 2.00	1.00 to 1.25	1.00 to 1.50	1.50 to 2.00	1.00 to 2.00
	STANDARD VARIETIES Red	.75 to 2.00	1.00 to 1.25	1.00 to 1.50	1.50 to 2.00	1.00 to 2.00
	STANDARD VARIETIES Yel.&Var.	.75 to 2.00	1.00 to 1.25	1.00 to 1.50	1.50 to 2.00	1.00 to 2.00
	*FANCY— (*The highest grades of standard var) White	3.00 to 5.00	.... to 1.50	1.50 to 2.50	2.50 to 3.00	3.00 to 4.00
	*FANCY— (*The highest grades of standard var) Pink	3.00 to 5.00	.... to 1.50	1.50 to 2.50	2.50 to 3.00	3.00 to 4.00
	*FANCY— (*The highest grades of standard var) Red	3.00 to 5.00	.... to 1.50	1.50 to 2.5	2.50 to 3.00	3.00 to 4.00
	*FANCY— (*The highest grades of standard var) Yel.&Var.	4.00 to 8.00	.... to 1.50	1.50 to 2.50	2.50 to 3.00	3.00 to 4.00
	NOVELTIES	10.00 to 15.00	2.00 to 3.00	2.00 to 5.00	.... to	.... to ....
	ADIANTUM	.... to 1.00	.50 to .75	.75 to 1.00	.... to 1.00	.75 to 1.25
	ASPARAGUS	35.00 to 50.00	.... to 50.00	35.00 to 50.00	25.00 to 75.00	30.00 to 60.00
	CALLAS	5.00 to 8.00	.... to 8.00	.... to 10.00	8.00 to 10.00	10.00 to 15.00
	HYACINTHS	.75 to 1.00	1.00 to 1.50	1.00 to 4.00	1.00 to 2.50	.... to ....
	LILIES	10.00 to 12.50	6.00 to 8.00	10.00 to 15.00	.... to 8.00	18.00 to 20.00
	LILY OF THE VALLEY	1.00 to 3.00	2.00 to 4.00	2.00 to 4.00	3.00 to 5.00	2.00 to 3.00
	MIGNONETTE—ordinary	2.00 to 4.00	1.00 to 2.00	1.00 to 2.00	.... to	2.00 to 3.00
	" fancy	5.00 to 8.00	.... to 3.00	2.50 to 4.00	1.50 to 3.00	5.00 to 5.00
	NARCISSUS	1.00 to 2.00	1.00 to 3.00	2.00 to 4.00	.... to	2.00 to 3.00
	SMILAX	8.00 to 10.00	10.00 to 12.50	12.00 to 15.00	12.50 to 25.00	10.00 to 15.00
	SWEET PEAS	.... to	.... to	2.00 to 3.00	.... to	.... to ....
	TULIPS	1.50 to 2.00	2.00 to 3.00	3.00 to 4.00	.... to	4.00 to 5.00
	VIOLETS	.35 to .60	.60 to .75	.25 to .50	.50 to .75	.50 to .75
	VIOLETS, special	.75 to 1.00	.... to 1.00	.50 to 1.50	.... to	1.00 to 1.25

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

BOSTON, MASS.
Asparagus Plumosus, Orchids, Mignonette, Brides, 'Maids, American Beauties
WELCH BROS.
PROPRIETORS
CITY HALL CUT FLOWER MARKET,
15 PROVINCE ST. — 9 CHAPMAN PL.
Kaiserins, Meteors, Carnots, Violets, Valley, Carnations
Can furnish at short notice. Prices according to quality of goods. Long Distance Telephone, 2161 and 2071.

SAMUEL S. PENNOCK,
Wholesale Florist
UNTIL FURTHER NOTICE
This Establishment will be Open from 6 a. m. to 11 p. m.
AM. BEAUTIES and VALLEY Our Specialties.
1612-14-16-18 Ludlow St., PHILADELPHIA, PA

We have a fine grade of everything in market at present. Send us a Trial Order and we will do the rest.
EDW. C. HORAN,
47 West 28th Street,
Telephone, 421 Madison Sq. NEW YORK.
CUT FLOWERS AT WHOLESALE.
Receiving Daily Fine PRES. CARNOT KAISERINS, METEORS, BEAUTIES, Etc.

FRANK H. TRAENDLY. CHARLES SCHENCK.
TRAENDLY & SCHENCK,
Wholesale Florists,
33 W. 28th St. and CUT FLOWER EXCHANGE,
NEW YORK.
Telephone, 270 Madison Sq.
Consignments Solicited.

JOHN YOUNG,
Wholesale Florist
51 WEST 28th ST.,
NEW YORK.
CYCAS PALM LEAVES Always on Hand.

THOMAS YOUNG, Jr.,
Wholesale Florist,
43 West 28th Street,
NEW YORK.

YOUNG & NUGENT,
Wholesale Florists,
SUPERB VIOLETS,
Orchids. Roses. Carnations.
42 W. 28th St., New York City.
Telephone 2065 Madison Sq.

HICKS & CRAWBUCK,
Wholesale Commission Florists,
108 LIVINGSTON ST.,
Consignments Solicited. BROOKLYN, N. Y.
Telephone 1725 MAIN.

Open to receive Consignments of CHOICE FLOWERS at any time.
ALFRED H. LANGJAHR,
Cut Flowers at Wholesale,
19 Boerum Place, BROOKLYN, N. Y.
TELEPHONE 939 MAIN.

Wholesale Florists, Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.
JOBBERS IN FLORISTS' SUPPLIES
FLORISTS' VASES.
Horticultural Auctioneers.
84 HAWLEY STREET, BOSTON.

Headquarters in Western New York
—FOR—
ROSES, CARNATIONS
And all kinds of Seasonable Flowers.
GIVE US A TRIAL

WE CAN PLEASE YOU
WM. F. KASTING, 481 Washington Street, Buffalo, N. Y. Wholesale Commission Florist
Also Dealer in Florists' Supplies & Wire Designs.

WM. J. BAKER,
Wholesale Florist,
1432 So. Penn Square,
PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

DUMONT & CO.,
WHOLESALE FLORISTS
CARNATIONS A SPECIALTY.
No. 1805 Filbert St., Philadelphia.
'PHONE, 8922 D.

FRED. EHRET.
Wholesale Florist
1403 FAIRMOUNT AVENUE,
PHILADELPHIA.

WM. J. MOORE,
Wholesale Florist,
36 South 16th St., Phila., Pa.
Consignments of First-class Stock Solicited.
Valley in quantity. Telephone connection.

GEO. M. MOSS,
Wholesale Florist
32 South 17th St., PHILADELPHIA, PA.
Long Distance 'Phone, 1430 D.
Consignments of choice ROSES, CARNATIONS, VIOLETS solicited.
Fine VALLEY in stock at all times.

LEO NIESSEN,
Wholesale Florist
N. W. Cor. 13th and Filbert Sts.
Long Distance 'Phone 3-45-94 D. Philadelphia.
Consignments of Choice Valley and Roses Solicited.

EDWARD REID,
Wholesale Florist
1526 Ranstead St., PHILADELPHIA,
Bet. Market and Chestnut Sts.
CHOICEST STOCK ALWAYS ON HAND.
TELEPHONE 1-42-26-A.

J. B. DEAMUD,
Successor to Illinois Cut Flower Co.
Wholesale Cut Flowers
CONSIGNMENTS SOLICITED.
51 and 53 Wabash Ave., CHICAGO.

SEEDS
Finest Strains for Florists.
Send for our 1900 Catalogue, which contains among other seeds of ohmerit, a complete list of the Standard and New SWEET PEAS.
Our new Florists' Catalogue is ready for delivery. If you have not received it, DROP US A CARD.
E. H. HUNT,
76-78 Wabash Ave., CHICAGO.

GEO. A. SUTHERLAND, WHOLESALE
CUT FLOWERS AND FLORISTS' SUPPLIES.
No. 67 Bromfield St. and 18 Chapman Place, BOSTON, MASS.

ASPARAGUS PLUMOSUS NANUS
CUT STRINGS, 8 feet long, 50 Cents per String.
Shipped to any part of the country.
W. H. ELLIOTT, - Brighton, Mass.

McKELLAR & WINTERSON,
Wholesale Commission Jobbers
In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work.
45, 47, 49 WABASH AVENUE, - - CHICAGO, ILL.

...Wholesale Prices of Cut Flowers...

Names and Varieties	Chicago Jan. 31, '00	St. Louis Jan. 29, '00	Cincinnati Jan. 29, '00	Milwaukee Jan. 29, '01	Pittsburg Feb. 1, '00	Toronto Jan. 30, '00
Roses: A Beauty, fancy—special	45.00—50.00	25.00—50.00	....—	35.00—50.00	30.00—40.00	....—50.00
" extra	30.00—35.00	10.00—20.00	....—	20.00—25.00	20.00—25.00	....—30.00
" No. 1	15.00—20.00	....—	....—	12.50—18.00	12.00—15.00	....—20.00
" Culls & ordinary	5.00— 8.00	....—	....—	4.00— 8.00	5.00—10.00	....—10.00
Bride	4.00— 8.00	6.00— 8.00	6.00— 8.00	6.00— 8.00	4.00—10.00	3.00—15.00
Bridesmaid	6.00—10.00	8.00— 8.00	6.00— 8.00	8.00— 8.00	4.00—10.00	3.00—15.00
Hoste	....—	....—	....—	....—	....—	2.00—10.00
Jacqueminot	....—	....—	....—	....—	....—	....— ....
K. A. Victoria	....—	....—	....—	8.00—10.00	....—	....— ....
La France	....—	....—	....—	....—	....—	....— ....
Mermet	....—	....—	....—	....—	....—	3.00—12.00
Meteor	6.00—10.00	8.00— 8.00	....—	6.00—10.00	4.00—10.00	3.00—12.00
Mrs. Pierpont Morgan	....—	....—	....—	....—	....—	3.00—10.00
Niphetos	....—	....—	....—	....—	....—	....— ....
Papa Gontier	....—	....—	....—	....—	....—	....— ....
Perle	4.00— 6.00	4.00— 6.00	5.00— 6.00	8.00— 8.00	3.00— 6.00	2.00—10.00
Souv. de Wootton	....—	4.00— 8.00	....—	....—	....—	3.00—12.00
ORCHIDS—Cattleyas	50.00—60.00	....—	....—	....—	....—	25.00—30.00
Cypripediums	12.00—15.00	....—	....—	....—	....—	10.00—12.00
Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations: Inf'r grades, all colors	1.00— 1.50	....— 1.00	....— 1.00	1.00— 2.00	.50— .75	....— 1.00
Standard Varieties: White	2.00— 2.50	1.50— 2.00	1.50— 2.00	1.00— 2.00	1.00— 1.25	1.50— 2.50
Standard Varieties: Pink	2.00— 2.50	1.50— 2.00	1.50— 2.00	1.00— 2.00	1.00— 1.25	1.50— 2.50
Standard Varieties: Red	2.00— 3.00	1.50— 2.00	1.50— 2.00	1.00— 2.00	1.00— 1.25	1.50— 2.50
Standard Varieties: Yel.&Var.	2.50— 2.50	1.50— 2.00	....—	1.00— 2.00	1.00— 1.25	1.50— 2.50
*Fancy (The highest grades of standard var): White	3.00— 4.00	2.50— 3.00	2.00— 4.00	3.00— 4.00	1.50— 2.50	3.00— 4.00
*Fancy (The highest grades of standard var): Pink	3.00— 4.00	2.50— 3.00	2.00— 4.00	3.00— 4.00	1.50— 2.50	3.00— 4.00
*Fancy (The highest grades of standard var): Red	3.00— 5.00	2.50— 3.00	2.00— 4.00	3.00— 4.00	1.50— 2.50	3.00— 4.00
*Fancy (The highest grades of standard var): Yel.&Var.	3.00— 5.00	2.50— 3.00	2.00— 4.00	3.00— 4.00	1.50— 2.50	3.00— 4.00
Novelties	....—	....—	....—	....—	....—	4.00— 5.00
ADIANTUM	1.00— 1.25	1.00— 1.25	....— 1.00	....— 1.00	1.00— 1.25	....— 1.00
ASPARAGUS	50.00—60.00	....—	....—	....—	35.00—50.00	20.00—50.00
CALLAS	8.00—12.00	10.00—12.50	....—10.00	10.00—12.50	....—	8.00—12.50
HYACINTHS	2.00— 3.00	2.50— 3.00	2.00— 3.00	....—	2.00— 3.00	2.00— 3.00
LILIES	12.00—15.00	....—	....—12.00	....—	....—20.00	....—15.00
LILY OF THE VALLEY	4.00— 5.00	3.00— 4.00	....— 4.00	....—	3.00— 4.00	2.50— 4.00
MIGNONETTE—ordinary	2.00— 3.00	....—	....—	....— 3.00	2.00— 3.00	....— ....
MIGNONETTE—fancy	4.00— 6.00	....—	....—	....— 4.00	4.00— 5.00	....— ....
NARCISSUS	2.00— 4.00	2.50— 3.00	2.00— 3.00	....—	2.00— 3.00	2.00— 4.00
SMILAX	10.00—12.00	12.50—15.00	12.00—15.00	....—15.00	10.00—15.00	....— ....
SWEET PEAS	....—	1.50— 2.00	....—	....—	....—	....— ....
TULIPS	3.00— 6.00	....—	....—	2.00— 3.00	3.00— 4.00	1.50— 3.00
VIOLETS	.50— .75	....— .40	1.00— 1.50	....— .50	.50— .75	.50— 1.00
VIOLETS—special	1.00— 1.50	... — .60	....—	....— .75	1.00— 1.50	1.25— 1.50

For Prices of Fancy and Special Stock see our Correspondence Columns.
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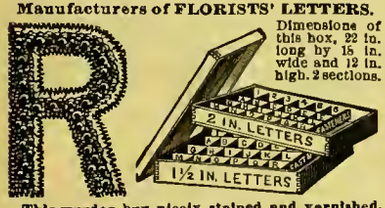

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Chicago.

State of Trade.

The cry of shortage in the rose cut is still with us, although a better state of things, that will be satisfactory all round, is promised by most growers. It goes without saying that with this general shortage everything that can be classed as good stock gets snapped up on sight, the best, especially Bridesmaid and Meteor, fetching $10 per 100 (which is a good price in this market), $6 to $8 for the next quality; shorts or off colors, $3 to $4. All get cleared off.

American Beauty, with extra long stems, bring $6 per dozen, occasional sales perhaps being a trifle better. There are some shorts and mediums of an inferior grade that naturally drag and fetch low prices.

Carnations seem to make up for the shortage in roses; there are lots, too—really magnificent flowers. Very fancy in colors bring $3 to $5; white, $1 less; good standards, $2 to $2.50; common, $1 to $1.50, with fair clearance.

Lilies are more abundant, but quite a number sent in are not extra in quality. They range from $1.25 to $2. Callas, sufficient for all demands, realize $1.25 to $2 per dozen. A few La Reine, Kelserskroon and other tulips are showing up, and if they only had better stems would be good sellers.

Bulbous stock generally is not so abundant as in other years. Are the growers holding back too much for later and Easter times, or was there less planted this year.

The demand for wild smilax is good, which would indicate work in decorations. Enormous quantities of hardy ferns are also sold daily to retailers. Orchids, mostly eastern grown, are moving very well. The call for violets is erratic; 15c. to 20c. per bunch takes the best singles; 25c. to 30c. the doubles; extra doubles bringing $1.50, and some are quoted at $2. Good smilax can be bought for $1.50 per dozen; asparagus, 50c. to 60c. per string; sprays, $1.50 per 100.

Among Growers.

Charles Swanson, Ridge avenue, is very successful with the older varieties of carnations. He expects to rebuild and modernize a part of his establishment this year, when he will try the newer sorts. McGowan, Tidal Wave and similar varieties, average, so far, $1.50 to $2 per 100. John Didier, also on the Ridge, has four houses, each 275 feet long, all in carnations. Twelve benches are in Evanston, which, so far, has averaged $2 to $3. Half his cut is sent to Milwaukee, and half to Chicago.

Jottings.

The death of P. D. Armour, Jr., has taken away a good patron of the Horticultural Society, and one who had a beautiful private place at Oconomowoc, Wis.

T. J. Corbrey, who opened a flower store on W. Madison street, last Thanksgiving, finds that his health compels him to seek the Coast again.

McKellar & Winterson are handling some splendid cyclamen plants, grown by J. A. Peterson, of Cincinnati, Ohio, who was in town the past week.

E. H. Hunt has issued a long list of the sweet peas he is handling.

J. C. Vaughan's seed store has been renovated in fine shape, ready for a big Spring trade.

Peter Reinberg and Henry Wietor are expecting to take in the carnation meeting at Buffalo.

A. Washburn, of Bloomington, Ill., was in the city the past week. Ess.

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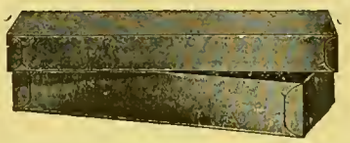

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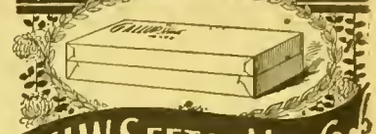

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Cincinnati.

Society's Rose Meeting.

February 10 is the date of our rose meeting. We should like very much to see a vase of the Liberty. This variety has never been seen in this city and prospective buyers are anxious for a look at it. Messrs. Asmus, E. M. Wood & Co., or Robt. Scott & Son, please take notice. At this meeting we expect quite a delegation of florists from Indianapolis and Richmond, Ind.

We are now having zero weather here, but the weather man promises to have it moderate by Tuesday.

Wm. Nolan, on Walnut Hills, had a close call from fire last Friday morning, but fortunately the damage done was very small. Thos. Windram reported a leak in his boiler, and Chas J. Jones was routed out of bed early Monday morning by a stove box burning up next to his store.

J. A. Peterson has returned from a successful business trip to Cleveland, Detroit, Toledo and Chicago. E. G. G.

Cleveland.

Trade Notes.

At no time this season have good flowers been in such short supply as at present; some dealers say that the scarcity of good bloom is greater than it has been for many years at this time of the year. Retail trade in cut flowers does not amount to much, and but a few small decorations are on hand. There is, and has been for the past week or ten days, an unusual amount of funeral work, and this alone quite consumes all of the choice flowers offered by local growers, and in some cases retail dealers have found it necessary to send to out-of-town growers for stock to fill orders. It is in roses that the scarcity is more particularly felt, and while present prices do not vary from last week's quotations, the tendency of the market is toward higher values.

In carnations the shortage is not so noticeable, and prices remain much the same as those quoted in last report, namely: $1.50 to $3 for ordinary grade, and $4 to $6 for extra and fancy stock. Harrisii lilies are offered more freely than at any previous writing, but present offerings do not reach far. These blooms are eagerly sought after, and in some cases growers realize 15c. for best; the ruling figure is $1.50 per dozen. Retail prices are higher than in previous sensons, and retailers find no difficulty in getting $3 to $4 per dozen. Violets are not doing so well; the cold weather affects the trade in these, and for the past week the demand has been light; considerable quantities are on hand and retail rates show a drop from former quotations; $2 and $2.50 being the price now obtaining.

Bulb stock is seen in larger quantities than at any time before this season, and all desirable material finds a ready market. Tulips are improving in quality and growers experience no difficulty in placing all of their present cutting at $3.50 to $5 per 100, retailing at 75c. per dozen. Von Sion are becoming more plentiful, and are holding at 6c. J. M. Gasser offers the first blooms of Dutch hyacinths seen here this year, and those on hand, while not of extra quality, bring $2 per dozen at retail. There is no established wholesale price on them as yet, on account of the limited quantity. Valley is much improved in quality and fetches $1 per dozen at retail, and wholesale figures hold at $4 and $5 for extra quality. Romans and Paper Whites are in good supply, and the large amount of funeral work furnishes an outlet for most all of this stock; $2 and $3 are the ruling prices on same. Retail rates hold the same as last reported, viz., 60c. to 75c. per dozen.

Notes.

James Eadie and Miss Ada Wilbarn, of this city, were quietly married in December last. Mr. and Mrs. Eadie leave on Tuesday next for a six weeks' trip through the Southern States and California. They expect to reach New Orleans in time for the Mardi Gras festival. Their many friends in the trade wish them a pleasant journey and safe return.

E. J. Paddock had an extensive decoration at the University Club on Tuesday of this week; it was done in red, scarlet tulips forming the principal part of the table decorations.

H. H. Harries, of Goodwin Harries Co., Chicago, was a recent visitor. J. A. Peterson, of Cincinnati, was also in the city for a few days last week.

G. A. T.

Cypress

Greenhouse Material.

We are the pioneers in Clear Cypress Greenhouse Material. We discovered that Cypress is better than any other wood for greenhouses from top of posts up and we introduced it, and fought for it against many prejudices, and finally succeeded in bringing it into general use.

Others have attempted to follow where we lead, others are trying to reap what we sowed, but we have the experience and are recognized as experts in greenhouse construction.

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Cal. Red Cedar and Louisiana Cypress.

BEST GRADES. PERFECT WORKMANSHIP.

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NO ODOR. NO SMOKE. NO DIRT.



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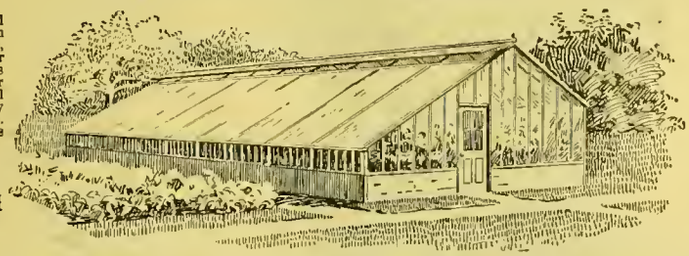

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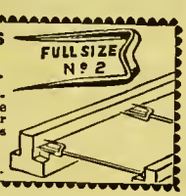

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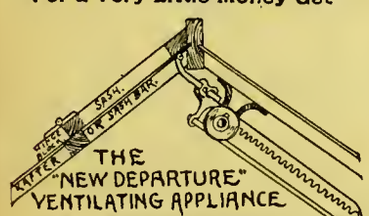

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CYPRESS SASH BARS

UP TO 32 FEET IN LENGTH OR LONGER.

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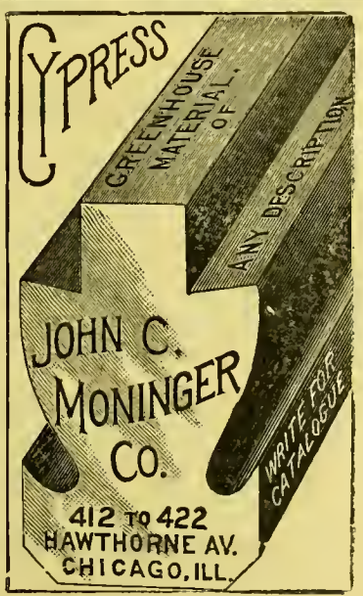

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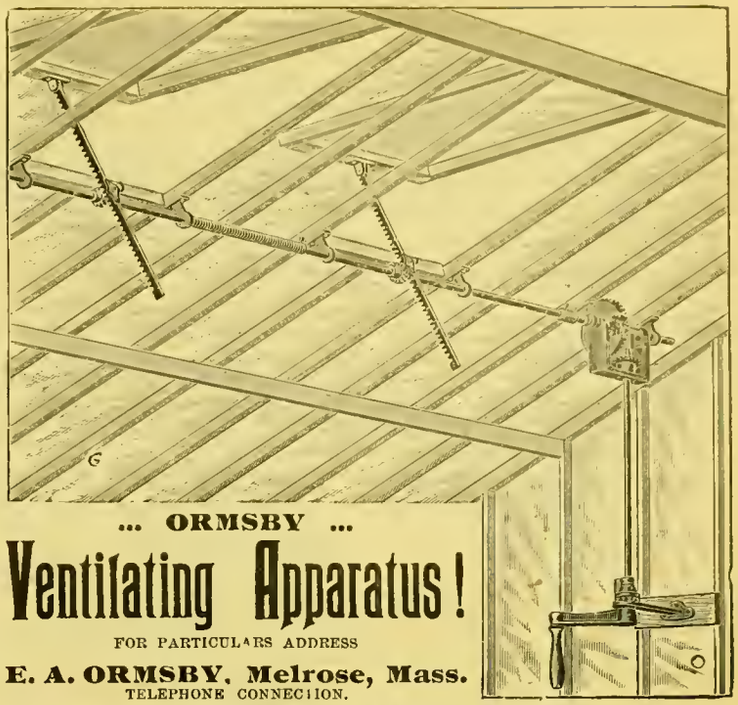

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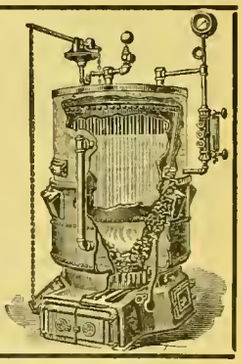

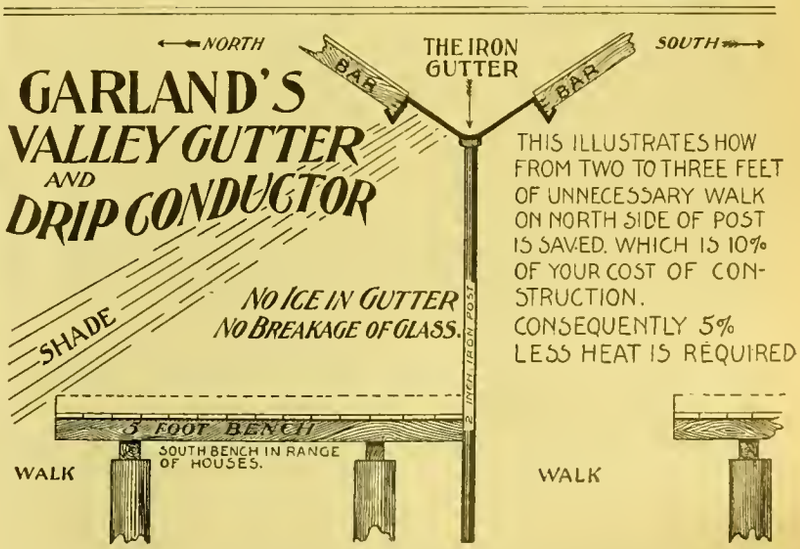

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Liberty! Liberty!

Own rooted stock only, for APRIL and MAY delivery.

Price of plants, out of 2½ in. pots, as follows:

12 plants.....60 cts. each.
25 plants.....50 cts. each.
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All sizes and kinds. Write for prices.

Boston Ferns and N. Cordata Compacta, 2½ in. pots.

Honeysuckles, Hibiscus Cuneperi, } 2½ in pots
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Lemon, Nutmeg, } 2½ in. pots, at
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Rubra Begonia, 3 in. pots, at $4.00 per 100.
Hardy Pinks, 6 varieties, 3 in. pots, at $4.00 per 100.
Cash with Order.

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Jubilee, White Cloud, New York, and all standard varieties. Write for prices.

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A full supply of
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All orders by mail or telegraph promptly attended to

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32, 34, 36 Cornt Sq.,
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Choice Plants! Low Prices!

All following are in first-rate condition.

CLEMATIS PANICULATA, strong, in flats, 100 Mailed, $1.25.
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	Per lb.	10 lb.
Calycanthus, Sweet Shrub	10.30	$2.50
Catalpa Speciosa (Kansas grown)	.25	2.00
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Above are good fresh seed, crop 1899. Will be sent prepaid, to be paid for when delivered. Send for Seedling List.

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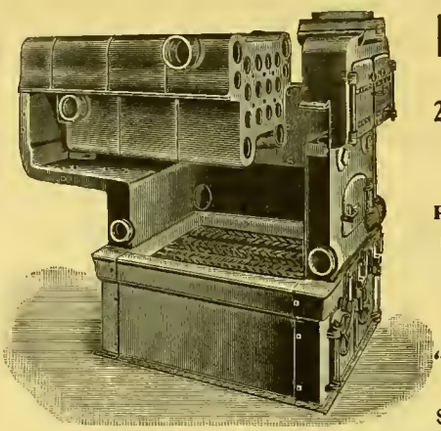

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Nineteen Sizes.
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NEW CAPE FLOWERS

"New" Enameled **POTCOVERS** superior to anything in the market.
Any color you desire.

6 inch.....$3 per dozen	9 inch.....$6 per dozen	11 inch.....$8.25 per dozen
7 inch.....$4 per dozen	10 inch.....$7 per dozen	12 inch.....$10.00 per dozen
8 inch.....$5 per dozen		

Stands to match 75 cents each.

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Galax Leaves, Brilliant Bronze, $1.00 per 1000, and Brilliant Green, $1.00 per 1000.
Leucothoe Sprays.....$1.00 per 100
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Wild Smilax, "Hand Picked" Brand. 50 lb. case, $6.50; 35 lb. case, $4.50.
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Choice Galax.....$0 40 per 1000
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Special attention given orders to go in cold storage. ORDER AT ONCE.

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DIRECT FROM NORTH CAROLINA.
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3 to 4 ft. strong, $15.00 per 100; 4 to 5 ft., extra strong, $18.00 per 100.

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GIVE US LIBERTY!

THIS WILL BE THE CRY WHEN THE PLANTS ARE ALL SOLD.

The demand for the **New Crimson-Scarlet Rose LIBERTY** has been so great that **OUR STOCK FOR MARCH DELIVERY IS ALL SOLD.** We are now booking for April, and as all orders are filled strictly in rotation, florists who have not as yet secured their stock should order at once.

OWN ROOT PLANTS, FROM 2½ INCH POTS.

50 Plants or more and less than 100, 30c. each
100 Plants and up to 1000.....25c. each
1000 Plants and over.....$200.00 per 1000
3 inch pot plants, 5c. each additional.

GRAFTED PLANTS, FROM 2½ INCH POTS.

50 Plants or more and less than 100, 50c. each
100 Plants and up to 1000.....40c. each
1000 Plants or more.....$350.00 per 1000
3 inch pot plants, 5c. each additional.

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Vol. XII. No. 6. NEW YORK, FEBRUARY 10, 1900. One Dollar Per Year.

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We offer Strong-Rooted Cuttings of ALL THE NOVELTIES OF THE SEASON and OTHER EXTRA CHOICE SORTS.

Mrs. Thomas W. Lawson. The celebrated $30,000 Carnation.

$14.00 per 100; $120.00 per 1000.

Olympia. A grand, fancy Carnation. While fully as large as MRS. GEORGE M. BRADT, or larger, it is said to produce 25 per cent. more flowers than that p pular variety.

$12.00 per 100; $100.00 per 1000.

The Marquis. This Carnation has had a phenomenal sale, and is without question the finest light-pink Carnation introduced up to this time. Those who have not ordered should place order without delay, if they wish early delivery. We have sold mo e of this variety than of all the others combined, which is an index of the esteem in which it is held.

$10.00 per 100; $75.00 per 1000.

Ethel Crocker. One of the best all-round pink Carnations ever offered to the trade.

$10.00 per 100; $75.00 per 1000.

Genevieve Lord. As a Carnation for retailing nothing can excel this variety, on account of its beautiful color—light silvery pink—and fine stem One of the very finest introductions of the season.

$10.00 per 100; $75.00 per 1000.

We can also supply all the best of the recent NOVELTIES and STANDARD SORTS as follows:—

	Per 100	Per 1000
G. H. Crane, General Maceo	$6 00	$50 00
General Gomez, Mrs. George M. Bradt	5 00	40 00
White Cloud, Gold Nugget, Melba	4 00	30 00
Mrs. James Dean, Mrs. Frances Joost, John Young, New York, Jubilee	3 00	20 00
Mayor Pingree, Flora Hill	2 00	15 00

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

PLEASING PRICES On Plump Bulbs for Present Planting

No Juveniles but fully matured Seniors.

Gladiolus—All First Size Bulbs.

Gladiolus. All colors, mixed. This mixture will be found to contain a liberal percentage of white and light kinds and equal to some of the best mixtures sent out. The bulbs are a little irregular in shape, which does not interfere with their flowering qualities in the least. Per doz., 15c.; a 100, 75c.; 1000, $6 50.

American Hybrids. Mixed. This mixture is grown especially for us and can be recommended for florists' use. The bulbs are all selected and contain at least more than 50 per cent. white and light types. Per doz., 20c.; per 100, $1.15; per 1000, $9 50.

White and Light Varieties. Mixed. There is no better mixture of white and light Gladiolus than this sold, no matter what price is paid. The bulbs are all selected and large and the varieties the best and most suitable for florists' use. Per doz., 25c.; per 100, $1 50; per 1000, $12 50

Begonias—Tuberous Rooted.

The fact of our being the American agents for one of the most important European growers of this useful bulb, enables us to offer the choicest stock at figures unapproched by dealers.

Single Flowers. White, pink, red, yellow and scarlet; separate colors or mixed. Bulbs 1¼ in. and up in diameter. Each, 5c.; per doz., 35c.; per 100, $2; per 1000, $17.50.

Double Flowers. Each, 10c.; per doz., 65c.; per 100, $5; per 1000, $45 00.

Amaryllis Rosea. Large bulbs. 35c. a doz; $2 a 100; $15 a 1000.

Hyacinthus Candicans. Large bulbs, 20c. per doz.; $1 50 per 100.

Madeira Vine Roots. 25c. per doz.; $1 50 per 100; $10 per 1000.

Cinnamon Vine. Mailing size. 30c. per doz.; $2 per 100. Extra size. 40c. per doz.; $2.50 per 100.

Caladium, or Elephant's Ear.

Sound bulbs, with good, live centre shoots.

Caladium Esculentum. 5 to 7 in. in circum. 40c. per doz.; $2 25 per 100; $20 per 1000. 7 to 9 in. in circum. 60c. per doz., $3.75 per 100; $35. per 1000. 9 to 12 in. in circum. $1. per doz; $7. per 100; $60. per 1000. 12 in. and up, circum. $1.50 per doz.; $10. per 100. Fancy leaf varieties, fine assortment, $1 25 per doz.; $7.50 per 100.

Tuberose Double Pearl.

Bulbs measuring 4 to 6 in. in circumference, extra quality, 75c. per 100; $6 50 per 1000. 3 to 4 in. bulbs, 50c. per 100; $3 75 per 1000, or barrel of 2000 bulbs for $7.

Dahlias.

Whole Dry Roots, Field Grown. Double mixed varieties, dwarf and tall. $5 per 100; $42 50 per 1000.

Double, named, assorted, $6 a 100; $55 a 1000.

Gloxinias.

Bulbs of large size, measuring 1½ to 3 in. in diameter.

Finest Mixed. 50c. per doz.; $3 per 100; $27 50 per 1000.

Separate Colors. White, red, blue and spotted. 60c. per doz.; $4 per 100.

Richardia alba maculata. Spotted Calla. 45c. per doz.; $3 per 100; $25 per 1000.

CLUCAS & BODDINGTON CO.,
342 WEST 14th STREET, Telephone 461 18th. N. Y. CITY.
Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS.

ORDERS BOOKED NOW In order of receipt, for Rooted Cuttings of the Famous....

Mrs. Thomas W. Lawson,

The $30,000 Queen of CARNATIONS FOR SPRING DELIVERY.

COMMENCING FEBRUARY 1st, 1900.

Prices:

Per dozen	$3
Per 100	$14
Per 1000	$120
Per 5000	$500
Per 10,000	$800

TERMS: Strictly Cash, or C.O.D. from Unknown Parties.

The quoted prices are for THE TRADE ONLY, and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower,

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

Thos. F. Galvin

124 Tremont St., BOSTON, MASS.

NEW CARNATIONS

We are now ready to take orders for Strong-Rooted Cuttings.

G. H. Crane

We do not hesitate to recommend this as the most profitable scarlet carnation in cultivation to-day. Nothing will equal it. Tested four years, it has proven to be a most satisfactory commercial scarlet carnation. A large flowering sort, producing both quality and quantity. It comes into flower early and continues an even all-season bloomer. Produces an average 3-inch bloom, having smooth outer petals with a well-built-up center, a strong, well-formed calyx, a 16 inch to 18 inch stem of remarkable firmness, holding the flower erect in the early part of the season as well as the later spring months, a delightful fragrance, and in color a clear, brilliant scarlet, with no tendency to fade. Growth strong and robust, clean, hard, broad foliage, and makes a strong, well-formed plant. It lifts and transplants from the field without any noticeable signs of wilting. Model growth, stem, flower, color, and a most essential quality, being in full flower when most needed, recommends it to every grower. Another variety that is doing more with us than last season and we are more than ever impressed with its commercial value. We had two large houses of this variety in full bloom for Christmas, and every bloom was snapped up at the elegant price of $10.00 per 100 wholesale; therefore just now we believe we have the long-looked for money-making scarlet carnation. We have a fine, large stock of splendid healthy plants. **$6.00 per 100; $50.00 per 1000.**

Hill Sport

(Ward.) Two years since, noticing an exceptionally strong-stemmed plant of Flora Hill which seemed to be entirely free from bacteria, to which Flora Hill is especially subject, we saved the selected cuttings from this plant and propagated a stock from it; the variety is in every respect identical with Flora Hill, excepting that it has stiffer stems and the foliage is broader and rather deeper blue in color, and it is free from disease; it produces a well-formed flower from the start on a strong, stiff stem, which averages 16 to 20 inches long; this variety thus far has been free from bursting, and the flowers have remained pure white throughout the season. We shall offer only 5000 rooted cuttings of this variety, and will sell them in lots at the rate of **$7.50 per 100 net.**

Morning Glory

(Dorner.) A variety which will take the place of Daybreak, slightly darker yet brighter in color; habit much more desirable than Daybreak, as it grows more compact; a very free continuous bloomer, giving more flowers throughout the season than Daybreak; without any tendency to crop; stem of medium length but wiry and stiff; flowers medium to large in size; not overly full but not flat center; filled out in proportion, giving it a fine form; this is one of our 1898 seedlings; it is indispensable in our market and entirely taking the place of Daybreak, and giving much more satisfaction; although not large enough to be placed aside of our latest introductions as a fancy sort, the call for this variety by many growers that have seen it growing upon our place, coupled with its brilliant Daybreak shade of pink, always so much admired and called for in every market, and the satisfactory returns it has always given us, has induced us to list it at a lower price than that at which new varieties are usually sold. Price. **$6.00 per 100; $50.00 per 1000;** ready March 1.

25 at 100 rate; 250 at 1000 rate.

We have fine, large, healthy stocks, and will deliver only fine, strong, well-rooted cuttings.

Send your Orders Early.

C. W. WARD, MANAGER. THE COTTAGE GARDENS, Queens, N. Y.



IT IS IN THE SPRING TIME

THAT YOU GET THE BEST RESULTS FROM SEED PLANTED NOW.

SWEET WM. Fine mixed, single, trade pkt., 10c.

HELIOTROPE. Fine mixed, trade pkt., 25c.

LOBELIA. Crystal Palace Com., trade pkt., 25c.

PRIMULA. Choice mixed half trade pkt., 50c.

VERBENA. Our New Mammoth, trade pkt., 25c.

ASTER. All colors, branching, trade pkt., 25c.

Old Oaken Bucket is now ready—send for it.

WM. ELLIOTT & SONS, 54 and 56 Dey St., New York.

Mention the Florists' Exchange when writing.

High-Grade Florists' Flower Seeds

	Per oz.
Alyssum, Little Gem	$0.25
Ampelopsis Veitchii (Japan Ivy)	.25

ASPARAGUS

Plumosus Nanus, per 100 seed,	$1.00
Sprengeri, per 100 seed,	.75

ASTERS

Semple's Branching— White, pink, lavender, crimson, purple. Per ⅛ oz., 15 cts.; per oz., 75 cts.

Queen of the Market— White, pink light blue, dark blue. Per ⅛ oz., 15 cts.; per oz., 60 cts.

Victoria, in six colors. Per ⅛ oz., 25 cts.; per oz., $2.00.

Begonia Vernon, per ½ oz,	$0.50
Candytuft Empress, per oz.,	.20
Cobæa Scandens, per oz.,	.40

MIGNONETTE Machet Improved. Per ¼ oz., 25c.; oz., 75c.

PHLOX, Nana Compacta

	Per ¼ oz.	Per oz.
Fireball	$0.40	$2.50
Snowball	.30	2.00
Mixed	.25	1.50

SALVIA NANA COMPACTA—Bonfire. Per ⅛ oz., 50 cts.; per oz., $3.00. SPLENDENS—⅛ oz., 20c.; oz., $1.25.

SMILAX Per ⅛ oz., 10c.; per oz., 35c.

SWEET PEAS And complete list Flower Seeds and Bulbs. See page 52, Jan. 20th issue.

STUMPP & WALTER CO., 50 BARCLAY ST., NEW YORK.

Mention the Florists' Exchange when writing.

ORDER NOW. TUBEROUS-ROOTED

BEGONIAS AND GLOXINIAS

Our strains of these important Spring and Summer flowering bulbs are the finest to be secured in Europe. We make a personal selection of these stocks when in flower, and they should not be confounded with cheap, indifferent strains, which are dear at any price.

Single rose, scarlet, white, yellow and orange, 40 cts. per dozen; $2.50 per 100; $20.00 per 1000.

Singles in choicest mixture, 35 cts. per doz.; $2.00 per 100; $18.00 per 1000.

Double rose, scarlet, white and yellow, 65 cts. per doz.; $5.00 per 100; $40.00 per 1000.

Doubles in choicest mixture, 50 cts. per doz.; $4.00 per 100; $35.00 per 1000.

Gloxinia Crassifolia Grandiflora.

50 cts. per doz.; $4.00 per 100; $30.00 per 1000.

Fancy-Leaved Caladiums,

30 choice varieties, $2.00 per doz.; $15.00 per 100.



Mention this paper.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

TUBEROSES=The Pearl

Size, 4 to 6 inches circumference,
Per 1000, **$6.50 Net.**
CASH WITH ORDER.

HULSEBOSCH BROS., Englewood, N. J.

Mention the Florists' Exchange when writing

We are Headquarters for
ROCKY FORD
Cantaloupe Seed. We Solicit Your Orders
BARTELDES & CO., Denver, Col.

Mention the Florists' Exchange when writing.

GERMAIN FRUIT CO.'S

California Grown Seeds.

SPECIALTIES:

Wax Beans,	Cosmos,	Onion,
Lima Beans,	Verbenas,	Lettuce,
Salt Bush,	Asters,	Celery,
Bermuda Grass,	Tree and	Carrot,
Johnson Grass,	Shrub Seeds.	Parsnip,
Sweet Peas,		Salsify.

Calla, Freesia, Amaryllis Bulbs, Pampas Plumes. Correspondence Solicited.

LOS ANGELES, CAL.

Mention the Florists' Exchange when writing

Best Quality at Lowest Rates.

ROMAN HYACINTHS,

NARCISSI, FREESIA,

and other French Bulbs for forcing.

BERNARD SON, 29 Boulevard du Musée Marseille, France.

Bulb Grower and Exporter.

Established 1872. Bulbfields—Hyères, Ollioules.

WHOLESALE ONLY.

Mention the Florists' Exchange when writing.

ARRIVED THIS WEEK

IN SPLENDID CONDITION. Offered as Long as Stock Lasts.

	Doz.	100	1000
Cucos Weddelinna Seed	$0.20	$1.00	$7.50
Latania Borbonica Seed	.10	.40	2.50
Asparagus Plumosus Nanus Seed			

	Doz.	100	1000
Pandanus Utilis Seed	$0.25	$1.25	$10.00
Asparagus Sprengeri Seed	.10	.75	6.00
	.15	1.00	9.00

In lots of 5,000 to 10,000 considerable reduction. Write us.

LILIUM AURATUM { Plump, sound bulbs. Will be scarce. Order Now. } 8–9 inches.....Per doz., $0.60 Per 100, $4.50; 9–11 " .....Per doz., 1.00 Per 100, 6.50

FERN BALLS We offer at present only One size, 10–12 inch diameter, which retailed Easter time at $5.00. Sample Ball, 75 cts.; per dozen, $9.00; 100, $65.00. Lot of Fern Wreaths and Designs due shortly.

TUBEROUS BEGONIAS.

We offer EXTRA fine quality English and Belgian Strains. **SINGLE,** in five separate colors, 1–1½ inch size, per doz., 40c.; per 100, $2.50. **Extra large,** 2 inch and over, per doz., 50c.; per 100, $3.00. **Double,** in separate colors, 1–1½ in., doz., 65c.; 100, $5. **Double Extra** size, 2 in. and over, doz., 75c.; 100, $8.

CALADIUM { Fancy-leaved, in 10 choicest sorts. } 1–1½ inch.....Per doz., $1.00 Per 100, $7.00; 1–1½–2 inch.....Per doz., 1.25 Per 100, 10.00.

CALADIUM ESCULENTUM SOUND, fine center shoots. 5–7 inch, per doz., 40c.; per 100, $2.25. 7–9 inch, per doz., 60c.; per 100, $4.00. 9–11 inch, per doz., $1; 100, $6. 11 to Monster, per doz., $1.50; per 100, $10.00.

CANNAS In popular sorts, our choice, 40 cts. per doz.; $2.00 per 100. In select named sorts and latest novelties. **Send for our New List of Cannas.**

DAHLIAS In strong, field-grown roots, choicest named double sorts (select from our list), $1.00 per doz.; $6.00 to $8.00 per 100.

GLOXINIAS Finest sorts, 1 to 3 inch bulbs, 45 cts. per doz.; $3.00 per 100.

GLADIOLI Grown by one of the acknowledged best growers. Florists' Superfine Mixture, mostly light and white flowered, 20 cts. per doz.; $1.25 per 100; $10.00 per 1000. Extra Fine Mixture, 15c. per doz.; $1.00 per 100; $6.50 per 1000. Send for complete list of DAHLIAS, GLADIOLI, ETC.

TUBEROSE, DOUBLE EXCELSIOR PEARL 4-6 inch, $1.00 per 100; $7.00 per 1000. 3-4 inch, 50 cts. per 100; $3.50 per 1000.

FLOWER SEEDS THAT WILL GROW.

	Large trade pkt.	oz.
ASTERS, Semple's, in separate colors	$0 25	$1 00
ASTER, Lady in White	25	1 50
CANDYTUFT, Empress	10	25
COSMOS, Mammoth novelties, in separate colors	10	25
MIGNONETTE, Allen's Defiance	25	75
MIGNONETTE, in many other sorts. Send for our list.	oz.	lb.
SMILAX, fresh crop	$0 30	$2 50

STOCKS, Beauty's finest strain Cut-and-Come-Again. 6 separate colors.....25c. per trade pkt.; $2 00 per oz.

SWEET PEAS We carry the VERY BEST stock of these (crop 1899), in all best-known sorts, such as, Apple Blossom, Blanche Burpee, E. E. B. Ferry, etc., 5c. per oz.; 10c. per ¼ lb.; 30c. per lb. Send for list of named SWEET PEAS.

VERBENA Mammoth flowering..... 25 cts. per trade pkt.; $1.00 per oz.
White center Mammoth..... 15 cts. " 75 cts "

To CLEAR out, BONA-FIDE, as we need room. A lot of **Spiræa Japonica Compacta.** 50 cts. per doz.; $3.00 per 100. **Lily of the Valley, BEST BRAND,** $1.00 per 100; $8.00 per 1000. **TREE Peonias,** which will bring GOOD MONEY if forced for Easter, white, rose-red, variegated, Lilac, strong plants, with buds, 50c. each; $5 a doz.; $8 for 25.

SPECIAL NOTICE.—All bulbs in this list, 3 at dozen rates; 25 at 100 rates. 5 per cent. off for CASH with order, except where clearance prices are given.

H. H. BERGER & CO., 47 Barclay St., New York.

Mention the Florists' Exchange when writing.

Flower Seeds for Florists.

We are the Largest Growers of Flower Seeds of any American seedsmen, both at FORDHOOK FARMS, where large areas of flowers are planted in the open ground and where greenhouses and protected frames are devoted to the finest Florists' flowers, and by our contract growers in the most favorable locations in California and other States. Not only are all these grown under our own personal inspection, but frequent visits to the leading growers of Europe, combined with the most complete trials at FORDHOOK FARMS, where all our strains are tested each season in comparison with strains from other sources, enable us to know that our stocks of choice Florists' flowers are unsurpassed. They are equalled only in a few instances by specialists growing single varieties.

Both in Europe and America there are noted specialists growing a single variety of flower under the most favorable conditions, and our extended trials enable us to select the finest of these special products for our customers.

In the descriptive headings of the different flowers will be found suggestions as to the best varieties to plant for cut-flowers and to grow for flowering and ornamental potted plants for retail sales. We are glad to assist our customers at any time in the selection of the most suitable varieties for the above purposes, and shall cheerfully answer any inquiries in this line, from the experience gained in our extensive trials and familiarity with the cut-flower markets of Philadelphia and New York. We would request, however, that such inquiries be written separately from the order to secure prompt attention, as under our system the orders are filled at once on receipt and the answer to questions is somewhat delayed when written in the order.

It is hardly necessary for us to refer to the complete assortments of SWEET PEAS, PANSIES, and NASTURTIUMS offered by us, having so long held the leading position in these specialties. We can equally recommend our grand strains of ASTERS, BALSAMS, BEGONIAS, CINERARIAS, COLEUS, CYCLAMEN, DIANTHUS, GLOXINIA, HELIOTROPE, HOLLYHOCK, MIGNONETTE, PETUNIA, PHLOX, POPPIES, CHINESE PRIMROSES, STOCKS, SELVIA, and VERBENAS, all of which are of the finest types and richest colorings, and especially desirable for Florists' planting.

All Flower Seeds are **tested thoroughly** both for vitality and trueness to type, —just as thoroughly as are our Vegetable Seeds. There are so many "cheaply grown" California and European Flower Seeds upon the market that some of our prices may seem high—when for the quality, they are really moderate. Florists will find it more profitable to pay cash for **BURPEE'S SEEDS,** rather than to buy upon long credit, even at lower prices.

Burpee's Blue List for 1900.

A Complete Catalogue, giving lowest prices possible for Florists and Market Gardeners, mailed free upon application. It is a book of 144 pages, giving much useful information and offering all the "Best Seeds that Grow."

W. ATLEE BURPEE & CO., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

Florists' Tested Flower Seeds and Bulbs

ASTER Imp. Victoria, mixed, large trade pkt., 25c.; oz., $1.25. Florists' Special Mixture, large trade pkt., 25c.; oz., $1.25. Semple's True Branching, mixed, large trade pkt., 20c.; oz., 50c. Semple's Shell Pink, white and red in separate colors, large trade pkt., 25c.; oz., 75c.

AMPELOPSIS VEITCHII Per oz., 10 cents; per lb., 75 cents.

COSMOS Giant of California, large trade pkt., 10c.; oz., 40c.

COBAEA SCANDENS Large trade pkt., 10 cents; oz., 40 cents.

DOUBLE DAISY Choice mixed, large trade pkt., 30 cents; oz., $2.00.

LOBELIA Crystal Palace Compacta (true), large trade pkt., 25c.; oz., $1.50.

MIGNONETTE Best varieties for florists: Defiance, large trade pkt., 25c.; oz., $1.00; Machet, large trade pkt., 10c.; oz., 40c.

NASTURTIUM Tom Thumb, mixed, per oz., 10c.; per lb., 45c.; per 100 lbs., $40.00. Tall Mixed, per oz., 10c.; per lb., 35c.; per 100 lbs., $30.00. Mme. Gunter, hybrids, per oz., 10c.; per lb., 90c.

SMILAX (New crop). Per oz., 35c.; per lb., $2.50.

TUBEROSES Choice Double Pearl, No. 1, $7.00 per 1000; 5000 at $6.50 per 1000. No. 2, $3.50 per 1000.

SEND FOR FLORISTS' WHOLESALE LIST.

JOHNSON & STOKES, Seedsmen, 217 and 219 Market St., **PHILA., PA.**

Mention the Florists' Exchange when writing.

CALIFORNIAN SEEDS

Contract Prices for 1900 Harvest on Application.

WHOLESALE ONLY.

PERRY WATSON & CO.,
SACRAMENTO, CAL.

Mention the Florists' Exchange when writing.

WE ARE GROWERS AND FOUNTAIN SOURCE OF FOLLOWING SPECIALTIES:

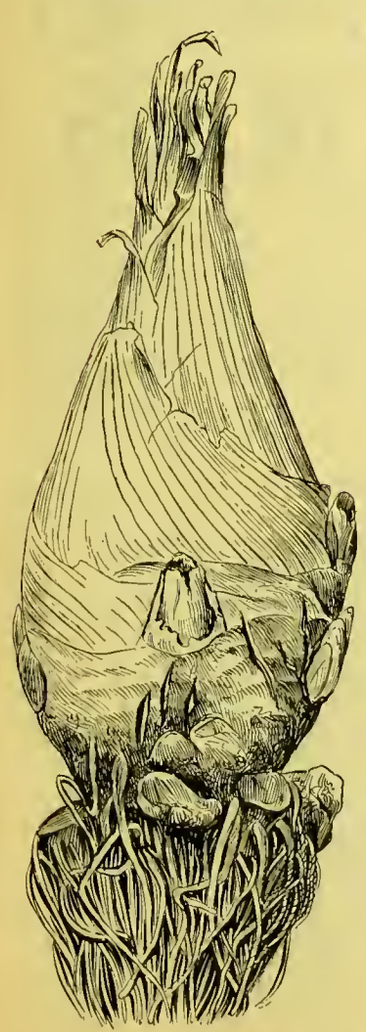
Lima Beans—Bush and Pole, Kentucky Wonder, Tall Germ'n Wax, Creaseback, All other sorts Pole, Bermuda Grass, Canaigre, Carrot, Celery, Lettuce, Onion, Parsnip, Radish, Salsify, Salt Bush, These New Vars. California Giant Branching Comet Asters, Centaurea Imperialis, Dianthus, Oriental Beauties, Masterpiece Pansy, Winter Pineapple Muskmelon, Chilian Watermelon, Australian Brown Onion, Triumph Radish, Rosille, or Lemonade Plant, Asters, choice, Cosmos, choice, Sweet Peas, Verbenas, Calla Bulbs, Freesia Bulbs, Seeds of all varieties of Acacias, Cypresses, Eucalyptus, Palms, Thujas, Musa Ensata, Camphor Tree, Grevillea, California Big Tree, California Redwood Tree, Etc.

Correspondence Solicited.

JOHNSON & MUSSER SEED CO.,
LOS ANGELES, CAL.

Mention the Florists' Exchange when writing.

EXCELSIOR DWARF PEARL TUBEROSES



Monster Bulbs 4½ to 6 Inches Circumference,

Per 100, - $1.00.
Per 1000, $7.50.

Special prices on large lots.

Second Size, 3 to 4 Inches, Per Bbl. of 1500, $5.00.

HARDY ROSES

Per 100, - $10.00
Per 1000, $75.00 } March Delivery.

Imported Rose Stocks.

10,000 MANETTI
2,000 MULTIFLORA } 6 to 8 Millimeters.

Price per 1000, $10.00 net Cash.

Offered if unsold. Order Quick.

Send for Wholesale Catalogue of Spring Bulbs and Plants.

C. H. JOOSTEN,

IMPORTER,

85 Dey St., New York.

Mention the Florists' Exchange when writing.

VAUGHAN'S FLOWER SEEDS..

FOR PRESENT SOWING



Strictly high-class, new crop flower seeds of choicest, most carefully selected strains for florists' use.

PANSY, VAUGHAN'S INTERNATIONAL MIXTURE, which is better now than ever. Trade pkt., 50c.; ½ oz., $1.50; ¼ oz., $2.50; oz., $10.00.

PANSY, VAUGHAN'S GIANT MIXTURE, contains all the separate colors of Trimardeau, Cassier, Bugnot and a number of new colors. Trade pkt., 25c.; ½ oz., 60c.; ¼ oz., $1.00; oz., $4.00; ¼ lb., $14.00.

PANSY, TRIMARDEAU, mixed. Trade pkt., 10c., ¼ oz., 30c.; oz., $1.00; ¼ lb., $3.00.

PANSY CHICAGO PARKS MIXTURE, trade pkt., 10c.; ½ oz., 30c.; oz., $1.00; ¼ lb., $3.00.

BROWALLIA SPECIOSA MAJOR (Giant Browallia). Trade pkt., 25c.

DAISY, VAUGHAN'S MAMMOTH WHITE, MAMMOTH PINK AND MAMMOTH MIXED. Each, trade pkt., 25c.

DAISY, SNOWBALL AND LONGFELLOW. Each, pkt., 15c.

CENTAUREA GYMNOCARPA. Trd. pkt. 10c.; oz. 40c.

CENTAUREA CANDIDISSIMA. 1000 seeds, 25c.; oz., $1.00.

DRACAENA INDIVISA. Oz., 30c.; lb., $2.50.

FERN SEEDS, Adiantum, Nephrolepis, Pteris, etc. Trade pkt., 50c.

HELIOTROPE, LEMOINE'S GIANT. Trd. pkt., 25c.

LOBELIA SPECIOSA. Trade pkt., 10c.; ¼ oz., 25c.
" **CRYSTAL PALACE COMPACTA.** Trade pkt., 25c.; ¼ oz., 50c.

LOBELIA BEDDING QUEEN, deep blue. Pkt., 25c.
" **WHITE LADY.** Dwarf white. Pkt., 15c.
" **SUTTON'S GEM.** White, pink or blue. Each, trade pkt., 20c.

MIGNONETTE MACHET, true. Pkt., 10c.; oz., 40c.
" **BISMARK,** new. An improved Machet. Pkt., 15c.; ¼ oz., 75c.

PETUNIA HYB. BLOTCHED AND STRIPED. Trade pkt., 10c.; ¼ oz., 25c.

PETUNIA, "VAUGHAN'S BEST" Mixture of large-flowering, none better, includes all the fringed sorts, as well as Giants of California and other choice strains. Trade pkt. (1000 seeds), 50c.; 3 pkts. for $1.25.

PETUNIA, VAUGHAN'S DOUBLE MIXED, extra fine, 600 seeds, $1.00.

PETUNIA, DOUBLE WHITE AND DOUBLE FRINGED WHITE Each, 250 seeds, 50c.

PRIMULA FORBESI. "Baby Primrose." 500 seeds, 25c.

PRIMULA FORBESI COMPACTA, new, 500 seeds, 35c.

SALVIA SPLENDENS. Clara Bedman. Pkt., 25c.
" " Drooping Spikes, ¼ oz., 50c.
" " New Crimson. Pkt., 25c.

PRIMULA OBCONICA GRANDIFLORA AND ROSEA. Each, trade pkt., 25c.

STOCKS, large flowering, ten-week, white, pink, blood red, crimson, light blue, purple, canary yellow and extra choice mixed. Each, trade pkt., 25c.; any 5 for $1.00.

THUNBERGIA, mixed. Oz. 30c.; pkt., 10c.

TORENIA FOURNIERI COMPACTA AND WHITE WINGS. Each, trade pkt., 25c.

VINCA ROSEA, Alba, Alba Pura and mixed. Each, trade pkt., 10c.; oz., 60c.

VERBENA, MAMMOTH MIXED. Trade pkt., 10c.; ¼ oz., 25c.; oz., $1.00.

VERBENA, white, scarlet, striped, purple. Each, trade pkt., 10c.; ¼ oz., 25c.

VERBENA, "VAUGHAN'S BEST" MIXTURE contains all the best colors and strains of Verbenas that are in existence. It is one of those mixtures like our International Pansy, Best Petunias, etc., that cannot be duplicated elsewhere. Trade pkt., 25c.; ¼ oz., 60c.; oz., $2.00.

We allow a discount of 10 per cent. on orders for flower seeds for $2.00 and over for cash with order. For other seeds, send for our complete Flower Seed List.

TUBEROSE BULBS,
Excelsior Dwarf Pearl.
True Hallock Strain.

JAP. FERN BALLS,
per dozen, $4.00.

New York—VAUGHAN'S SEED STORE—Chicago

Mention the Florists' Exchange when writing.

BARGAINS

In CALIFORNIA PRIVET, AMPELOPSIS VEITCHII, CLEMATIS PANICULATA SHRUBS and GRASSES.

Write for Prices.

The Elizabeth Nursery Co., Elizabeth, N. J.

Mention the Florists' Exchange when writing.



Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Chicago, Ill., President; ALBERT MCCULLOUGH, Cincinnati, First Vice-President; F. W. BOLOIANO, Washington, Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

A comparative statement of the Distribution of Agricultural Exports, 1894-1898, prepared by the United States Government, shows the total values of clover seed exported for the year specified as follows: 1894—$4,540,851; 1895—$2,124,997; 1896—$437,493; 1897—$1,003,157; 1898—$1,999,720. Those of timothy seed are: 1894—$449,207; 1895—$277,160; 1896—$518,755; 1897—$574,457; 1898—$317,173. Grass seed, not elsewhere specified: 1898—$167,109. The exportations of seed not elsewhere specified are valued as follows: 1894—$484,013; 1895—$358,860; 1896—$382,941; 1897—$429,379; 1898—$149,845. Beans and peas: 1894—$576,657; 1895—$429,002; 1896—$632,073; 1897—$1,110,387; 1898—$1,094,094. Onions: 1894—$69,833; 1895—$46,703; 1896—$61,181; 1897—$60,088; 1898—$90,832.

W. A. Burpee & Co., Philadelphia, Pa., have issued their announcement of prizes offered by the firm for 1900. Excellent inducements are held out to competitors. Send for a copy of the circular.

St. Paul.—We are now in the midst of the shipping season, and each day the shortage in certain lines becomes more apparent. As one party remarked a few days since, "If I had 10,000 bushels of Valentine beans I could sell them before to-morrow." While there was a bountiful crop of most varieties, the increased demand for them has "bulled" prices along certain lines until they seem excessive. While higher prices tend to make trade better sharp advances without sufficient reason should be avoided, as in the end they are hurtful to the trade in general. Proposals have been received from the Department of Agriculture, Washington, D. C., for supplying seed for free distribution in 1901. If this farce continues during the centuries that are to come, why not place contracts two and three years ahead and give each representative an opportunity to place contracts for growing seed with his farmer constituency? Why beat around the bush at all? If, as has been announced, the Secretary wishes to reform by sending out "seeds of new and rare varieties," why not commence the twentieth century with the free distribution of such seeds?—VENITAS.

Our Holland Letter.

The bulb trade ended with high prices—a good indication for the growers for next season. In general trade was brisk last Summer, and there was almost nothing left. The combination of bad crops and great demand caused a scarcity of bulbs, consequently higher prices prevailed.

Almost every grower declares that his quantity of planted out bulbs is smaller. Hyacinths, tulips, narcissi, etc., are covered with reeds now, and so far the Winter has been very favorable for the plants. Every one, however, is very anxious for freezing weather, for if we do not get any frost this month we shall be obliged to remove the reeds from the plants, which would expose them to the rigors of February and March. This would be worse than last year, because many kinds of hyacinths are weak; they died down very early last Summer, and had a

long season of rest. Now they will display their foliage extraordinarily early. Freezing stops their growth for some weeks, affording them a chance of suffering less during the rough months. As soon as they show their leaves I will write you how matters stand.

In March of this year will occar the great quinquenaial exhibition of blooming bulbs at Haarlem. I am told there is quite a number of bulbs potted by growers and exporters, and keen competition is expected. B.

European Notes.

Although we are in midwinter it is hardly possible to believe it, as the weather over the whole of western Europe is quite open and mild, with an abundance of rain. So far as we can at present judge the frost we have experienced has been more severe and has done more injury in the west of France than in any other district. Beets that were too small to be lifted and stored, mangel wurzels that are usually left in the open, Winter radishes and early turnips, have all been badly frozen, and now look very sickly. Parsley and parsnip are not so strong as at this time last year. Leek looks moderately well. Of onion it is too early to judge. Carrot and cabbage are no worse than last reported; the same is true of kohl-rabi and savoy.

In Germany the continuous rains have had a very injurious effect upon all biennial plants, and very much bare land is to be seen.

Southern Europe has also had a few sharp spells of frost, which have done some harm to beets, cauliflowers and radish. At present the weather is soft, and if no fresh complications arise, not much harm will have been done.

The European trade is exceptionally brisk, but the interchange of produce between the various countries is sadly hampered by the difficulties of transport. The same remark applies in an even greater degree to the shipments to your side.

The Spring exhibitions of primulas have thus far been barren of any very striking novelty, the most noticeable features being the improvement of the new hybrid varieties, and the increased brilliancy imparted to some of the more important colors in the giant strains.

Cyclamens have not been exhibited quite so freely as formerly, but a batch of a beautiful rosy purple variety of the "Bush Hill Pioneer" attracted considerable attention. As the parent variety was one of the most successful novelties of recent introduction this new and very desirable color will no doubt be in demand. Those of your readers who have tried the Cyclamen papilio, and condemned it on account of the habit, will do well to give the improved strains a further trial. A fine collection of these plants was exhibited by Messrs. Low, on the 23d ult., and were as perfect in form as the best strain of C. p. grandiflora.

While on the subject of flower seeds mention should be made of the extraordinary popularity of the Emily Henderson sweet pea. While on account of the scarcity of seed other white varieties command a ready sale the general verdict is that Emily Henderson is the best all-round variety ever raised.

About a year ago some very severe strictures appeared in these notes respecting the questionable methods of competition adopted by at least three English firms. The Horticultural Advertiser, a usually well informed paper, ridiculed the idea, ascribing it to "a too vivid imagination, etc.," but in its latest issue it handsomely admits being a year behind the times, and prints the offending circular in full. The authorship of this precious document it is very easy to determine; still, let not the H. A. pour the vials of its wrath upon this one house alone, for in that classic Americanism (called doubtless from the Sanskrit) "there are others," one of the earliest offenders hailing from the county adjoining the home of the H. A.

To what are we coming, Mr. Editor, when one of the oldest English firms, well known on your side, in its catalogues for the present year announces that it has set aside for the convenience of its customers "a suite of rooms with lavatories attached, etc, and an assistant in attendance." After this the advertising grocer who gives away a wax doll to every purchaser of a pound of tea will have to take a very back seat.

It is only fair to add that the catalogue in which this offer appears is far and away the best that the firm has ever issued. EUROPEAN SEEDS.

The Aster Disease.

Editor Florists' Exchange.

The possible transmission of aster diseases by seed, referred to by a New England correspondent in the EXCHANGE of February 3, should, I believe, receive careful consideration. I felt quite sure, at one time, that some of my Comet asters were troubled with a fungous disease that was transmitted by the seed; but as that particular trouble has now practically disappeared I cannot positively decide the point. The branching asters, that with me have been considerably affected for several seasons, have always, so far as I have been able to trace them, made a healthy growth elsewhere. I have looked up dozens of customers who have bought plants of me in a single season, without finding a case where they were having the trouble that was annoying me. And so, while some of my plants bore the appearance of having a fungous disease of some sort, I feel at present forced to the conclusion that all of my troubles with the branching asters have been caused, directly or indirectly, by the insect injuries. Let us all watch the matter more closely the coming season. GEO. ARNOLD, JR.
Rochester, N. Y.

Society of American Florists and Ornamental Horticulturists.

DEPARTMENT OF PLANT REGISTRATION.

The Conard & Jones Co., West Grove, Pa., registers seedling rose "New Century," a cross between Clothilde Soupert and Rosa rugosa alba. Described as an ever bloomer, hardy as rugosa. Flower pink, double; fragrance similar to that of the wild rose; foliage resembling that of ragosa.

WM. J. STEWART, Secretary.

DOUBLE PEARL TUBEROSE BULBS
Sound, healthy stock, No. 1—4 inches up, at $1.00 per 100; $6.00 per 1000. No. 2—3 to 4 ins., 50 cents per 100; $3.00 per 1000.
CHAS. BLACK, Hightstown, N. J.
Mention the Florists' Exchange when writing.

DANISH CAULIFLOWER SEED.
Early Dwarf Danish Snowstorm, selected up by my grower for a quarter century. Always uniformly good, solid, large white heads and early.
No matter what you pay, you cannot get a finer strain. Oz., $2.50. Sample free.
Fringed Hollyhock, Allegheny, new, oz., $2.00.
Prices on quantity on application.
A. E. WOHLERT, Importer, Altoona, Pa.
Mention the Florists' Exchange when writing.

Branching Aster Seed
White, Pink, Purple, Rose and Lavender. Separate colors, 75 cts. per oz. 1899 stock.
J. G. KEELER,
2 Fountain Street, ROCHESTER, N. Y.
Mention the Florists' Exchange when writing.

EXTRA CHOICE FLOWER SEEDS.
List free on application.
FRED. ROEMER, SEED GROWER,
Quedlinburg, Germany.
Mention the Florists' Exchange when writing.

DO YOU WANT THE **BEST?**
We supply Danish grown seed of
Cauliflower and Cabbage Danish Ball Head.
BEST QUALITIES, FINEST STOCK.
CHEAPEST PRICES.
Samples and prices free on application.
L. DAHNFELD, Odense, Denmark. (Established 1850.)
Mention the Florists' Exchange when writing.

SEEDS for Profit
FLORISTS' FLOWER SEEDS **Sweet Peas**
Wholesale Catalogue on application.
WEEBER & DON, Seed Merchants and Growers,
114 Chambers St., New York City.
Mention the Florists' Exchange when writing.

W. C. BECKERT SEEDS VEGETABLE FLOWER BULBS ALLEGHENY, PA. 1883
Semple's Aster
Choicest Home-Grown Seed, in white, shell-pink and lavender,
¼ oz., 25c.; oz., $1.00.
Catalogue on application, of leading flower and vegetable seeds for florists and market-gardeners.
W. C. BECKERT,
Allegheny, Pa.
Mention the Florists' Exchange when writing.

ASTER SEED
Tall branching, mixed, choice strain.
75 cts. per ounce
Mignonette Seed. Allen's Defiance, $1.00 per ounce.
Pansy Seedlings. Reck's Strain, 35c. per 100. $3.50 per 1000.
Cash with order from unknown parties.
JOHN RECK, Bridgeport, Conn.
Mention the Florists' Exchange when writing.

COX SEED CO.
Wholesale Seedsmen
14 & 16 Ninth Ave., 411, 413, 415 Sansome St.
NEW YORK. SAN FRANCISCO.
Mention the Florists' Exchange when writing.

PALM SEEDS
FRESH ON HAND.

	100	1000	3000
Phœnix Tenuis	$0.75	$5 00	$13.50
" Pumila	1.00	8.00	22.50
Pandanus Utilis	1.25	10.00	27.50
Asparagus Plum. Nanus, true	1.25	9.00	26.50
" Sprengeri	.75	6.50	18.00

L. J. SCHILLER, 404 E. 34th Street, New York.
Mention the Florists' Exchange when writing.

Grand New Giant Cosmos.
PINK BUTTERFLY, 50 cts. per trade packet, $2.50 per oz.
CHARMIAN, Pink with red ring around the eye, 35 cts. per packet, $2.00 per oz.
WHITE POND LILY, 40 cts. per pkt., $2 per oz.
Send for Trade List to
MRS. THEODOSIA B. SHEPHERD,
Ventura-by-the Sea, Cal.
Mention the Florists' Exchange when writing.

VICK'S SEEDS
FOR FLORISTS.
All Home-Grown Seeds.

	¼ Oz.	Oz.
Aster, Vick's Daybreak, Pink	$1.50	$4.00
" " Purity, White	2.00	6.00
" Branching Comet, White	2.50	8.00
" Vick's Branching, in colors, White, Pink, Crimson and Purple, each	.25	.75

Trade List, also Garden and Floral Guide, now ready. Send for it.
JAMES VICK'S SONS, Rochester, N.Y.
Mention the Florists' Exchange when writing.

FANCY-LEAVED CALADIUMS

	10	100
Bulbs 1½ to 2¼ inches in diameter, 15 to 25 varieties	$2 50	$20.00
Bulbs, 1 to 1¾ inches in diameter, 6 to 8 varieties	1.50	12 00

The first size will make grand specimen plants or stock bulbs. No larger or finer are in the market.

LATANIAS and PHŒNIX.

Latanias, 4 inch pots, 2-3 characterized leaves	100	$20.00
Latanias, 5 inch pots, 4-5 characterized leaves		30.00
Phœnix Reclinata, Canariensis and Pumila, 15-18 inches		20.00
Phœnix Reclinata, Canariensis and Pumela, 20-24 inches		30.00

Not less than 50 at above rates.

GRAFTED ORANGES and LEMONS.

	10	100
10 to 15 best varieties, 4 inch pots, 10-12 inches high	$2 50	$20.00
10 to 15 best varieties, 4 inch pots, 15-18 inches high	8.50	30.00
10 to 15 best varieties, 4 inch pots, 20-24 inches high	6.00	
	100	1000
1,000 Prairie Roses, very strong		$7.00
1,000 Moss Roses, " "		7.00
2,000 Hybrid Wichuraiana (Manda's), 5.00		$10.00

Quotations include packing.
P. J. BERCKMANS CO., Augusta, Ga.
Mention the Florists' Exchange when writing.

Flower Seed that will Grow
ASTER, Semple's, White, Pink, Lavender, Mixed, Peony flowered, Victoria, Giant Comet, Queen of Market, 75 cts. per oz.; large trade packet, 25 cts.
MIGNONETTE. Allen's Defiance, Golden Queen, Pure Machet, per oz., 50 cts.; large trade packet, 15 cts.
COBÆA SCANDENS, purple, per oz., 30 cts.; trade pkt., 10 cts.
VERBENA, Mammoth Flowering, choicest mixed, per oz., $1.00; ¼ oz., 40 cts.; large trade pkt., 25c.
SWEET PEAS. Extra Early Blanche Ferry, B. Burpee, Mrs. J. Chamberlain, E. Tracy, Ovid, Novelty, Meteor, Gray Friar, E. Henderson, E. Eckford, C. of Aberdeen, Captivation, Capt. of Blues, Blanche Ferry, A. Eckford, per pound, 40 cts.; per oz., 10 cts.
MIXTURE containing all the above sorts, per pound, 25 cts.; per oz., 5 cts. Satisfaction guaranteed.
Cash with Order.
GEO. L. MILLER, - Newark, Ohio.
Mention the Florists' Exchange when writing.

XXX SEEDS
VERBENA GRANDIFLORA.
The finest strain of Improved Giant Verbenas yet produced, largest flowers and best colors, good percentage white, per pkt., 800 seeds, mixed colors, 50 cts.
CYCLAMEN CICANTEUM.
The choicest Giant-flowering varieties in best mixture, pkt., 200 seeds, $1.00; half pkt., 50 cts.
CHINESE PRIMROSE.
Best large, single and double, 500 seeds, $1.00
PHLOX DRUM. PUMILA.
New, very dwarf, perfect beauties, excellent for growing in pots for Spring sales, mixed colors, per trade pkt., 20 cts.
PANSY Finest Giant. Choicest mixed Mammoths, 3500 seed; $1.00; ½ pkt., 50 cts.
A pkt. of New Double Early-flowering Dwarf Vienna Carnation added to every order.
JOHN F. RUPP, Shiremanstown, Pa.
The Home of Primroses.
Mention the Florists' Exchange when writing.

ESTABLISHED 1802
THORBURN'S SEEDS
Our Wholesale Price List of
Choice Flower Seeds
FOR FLORISTS
Is now ready. A post card will bring it to you. We have still on hand some of our
LILY OF THE VALLEY PIPS
The finest that come to this country; per 1000, $10.00. Cases of 3000 at $9.00 per 1000.
J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK
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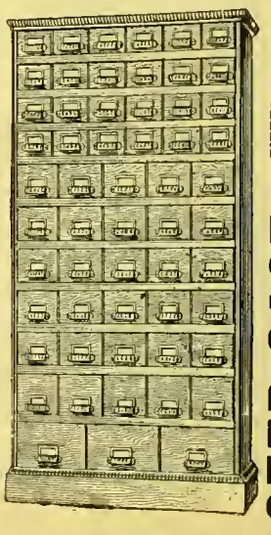
SEED CASE FITTED WITH HELLER'S STEEL SEED BOXES. Mice and Insect Proof. Send for Catalogue. *Montclair, N. J.*
HELLER & CO.,
Mention the Florists' Exchange when writing.

EASTER AND SPRING, 1900

Orders Filled and Booked Now for the Fall. . . .

RHODODENDRONS $35.00 to $65.00 per 100.
LILACS in all varieties, for forcing, $15.00 per 100.
H. P. ROSES all true to name, $75.00 per 1000; $10.00 per 100.
CRIMSON RAMBLERS extra, $20.00 per 100.
AZALEA Mollis, from $25.00 to $35.00 per 100. Pontica, from $35.00 to $45.00 per 100.
PAEONIAS in variety, from $10.00 to $15.00 per 100.

SPIRAEA COMPACTA MULTIFLORA $4.00 per 100.
GLADIOLUS All colors, mixed, No. 1, $9.00 per 1000. All colors, mixed, No. 2, $7.50 per 1000. Light and white, $14.00 per 1000.
TUBEROSES, The Pearl 4x6, $6.50 per 1000.
GLOXINIAS ERECTA Extra, $40.00 per 1000.
TUBEROUS ROOTED BEGONIAS— Single, separate varieties, $25.00 per 1000. Double, separate varieties, $40.00 per 1000.

All varieties of LILIES on hand.

CYCAS REVOLUTA The true long leaf variety, will arrive in April. Write for special prices to

F. W. O. SCHMITZ, Jersey City, N. J

Mention the Florists' Exchange when writing.

IMPORTANT ANNOUNCEMENT!

To Plant Importers and Florists.

A Society of Plant Growers has just been organized in Belgium to be known as the "SYNDICATE OF BELGIUM GROWERS." Its purpose is to supply Azaleas, Palms, Araucarias, Bay Trees and other stock, the specialties of the members, for both home and foreign trade.

We have been appointed Representatives for the United States and Canada. Catalogues will be mailed on application.

BOBBINK & ATKINS, Rutherford, N. J.

Nurseries and Cellars at Carlton Hill, N. J.

Mention the Florists' Exchange when writing.

FUNKIA LANCIFOLIA GREENLEAFED.

A fine hardy bordering plant. The spikes of Lavender-blue flowers are nice for funeral work, $2.00 per 100; $15.00 per 1000.
EULALIA striated, $2.00 per 100.
PANSIES. $4.00, $10.00 and $12.00 per 1000.
HELIANTHUS MULTIFLORUS PLENUS, $2.00 per 100 strong pieces.
Will exchange for carnations or other stock needed. **W. C. JENNISON, Natick, Mass.**

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GAZANIA SPLENDENS

For Baskets, Beds and Borders.

Rooted Cuttings, $1.25 per 100; $10.00 per 1000.
February and March delivery.

CHAS. H. CAMPBELL,
Richland, San Diego Co., CAL.

Mention the Florists' Exchange when writing.

SMILAX FROM FLATS

By mail 50 cts. per 100; $4.00 per 1000.
2 in. pots, $1.50 per 100; 13.00 per 1000.
Geraniums, 2 in pots...$2.25 per 100; $20 00 per 1000
Hydrangeas, 3 in pots, $5.00 per 100; 4 in. pots, $10.00 per 100.
Canna Clumps.....$3.00 per 100
Send for Samples. Cash with the order.

FRED BOERNER, Cape May City, N. J.

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THE PINEHURST NURSERIES,

OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.

Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda nitida, Fothergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Dionæa muscipula, Lupinus diffusa, Phlox subulata, Sarraceniae, etc., etc. **Ask for Trade Lists.**

Mention the Florists' Exchange when writing.

AMERICAN ELMS

8 to 10 ft., 1 to 1½ in. callper. 25 Elms, 6 to 9 in. caliper, fine specimens, well developed heads. Send for price list.

SAMUEL C. MOON, Morrisville, Bucks Co., Pa.

Mention the Florists' Exchange when writing.

SURPLUS FOR SPRING 1900

Can yet do PEACHES and JAPAN PLUMS in limited quantity; also MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY, STRAWBERRIES from best leading varieties. Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.
ALEX. PULLEN, PROPRIETOR.

Mention the Florists' Exchange when writing.

Choice Plants! Low Prices!

All following are in first-rate condition.

CLEMATIS PANICULATA, strong, in flats, 100 Mailed, $1.25.
BEGONIA VERNON, 6 sorts, mixed, in flats, 100 Mailed, $1.25.
PEPEROMIA ARGYREA and ARIFOLIA, 100 Mailed, $1.25.
LYGODIUM SCANDENS, climbing fern, 2 inch pots, per 100, $3.00.
PTERIS TREMULA, 2 inch pots, per 100, $3 00.
PTERIS DEWEYANA, new, 1899, 2 inch pots, per dozen, $2.00.
NEPHROLEPIS WASHINGTONIENSIS, new, 2 inch pots, 6 mailed, $1.25.
NEPHROLEPIS PHILLIPENSE, 2 inch pots, strong, per 100, $4.00.
GENISTA RACEMOSA, 5 inch, full bushes, full of flower spikes, per d zen, $2 00.
CYPERUS ALTERNIFOLIUS, 4 inch, per 100, $5.00. Carefully Packed. Cash with Order.

JOHN H. LEY, Good Hope, Washington, D.C.

Mention the Florists' Exchange when writing.

K. J. KUYK, Ghent, PLANTS.

K. J. KUYK, Hillegom, BULBS.

I BEG TO ANNOUNCE that my representatives, **Mr. H. Y. Goemans** and **Mr. H. P. Hugenholtz,** have started on their annual trip to the U. S. and Canada, to solicit orders from importers of PALMS, AZALEAS, ARAUCARIAS, SWEET BAYS, FICUS, ETC., and HOLLAND BULBS. The address of my representatives will be, up to May 15th, care Mr. J. TER KUILE, 33 Broadway, New York City.

A Splendid Stock for Spring and Fall delivery is On Hand.

Mention the Florists' Exchange when writing.

TREES

Fruit Trees, Small Fruits, including grapes. Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. **Rochester, N. Y.**

Mention the Florists' Exchange when writing

OAKS 10,000

Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogues on application. Send estimate of wants for prices.

THE WM. H. MOON CO., GLENWOOD NURSERIES, **Morrisville, Pa.**

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THE STORRS & HARRISON CO., Painesville, Ohio,

Desire to call the attention of Florists and Nurserymen to their 40 acres of HARDY ROSES, their complete assortment of FRUIT and ORNAMENTAL TREES and SHRUBS, and their 44 Greenhouses of ROSES, PALMS, FICUS, FERNS, ETC.

Correspodence and personal inspection solicited. Trade List and Catalogues free.

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F. & F. NURSERIES

SPRINGFIELD, NEW JERSEY.

Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.

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Bismarck Apple

DWARF.

Large stock, strong 3 year trees, also light plants for mail and express trade. Write for prices, stating grade and quantity required.

Thomas Meehan & Sons, Germantown, Phila.

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM
PÆONIES, BLEEDING HEART
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing.

EDWARD B. JACKSON,

WHOLESALE FLORIST

Hardy Herbaceous Plants Only

In any quantity, for the least money.

STAMFORD, CONN.

Mention the Florists' Exchange when writing

NORWAY MAPLES,

1000 8 to 10 feet.
1000 6 to 7 "
700 4 to 6 "
700 3 to 4 "
100 1 to 2 "

IRISH JUNIPERS.

500 3 to 4 feet.
500 2½ to 3 "
500 2 to 3 "

10,000 Peach Trees, General Assortment

The Maple and Juniper will be sold at very low prices in order to close out.

C. L. LONGSDORF,
Oak Hill Nurseries, Flora Dale, Adams County, Pa.

Mention the Florists' Exchange when writing.

CLEMATIS

Small snug plants, to pot for Spring sales, from best varieties, per doz., $1.00; per 100, $6.00. Free by mail or express.

F. A. BALLER, Bloomington, Ill.

Mention the Florists' Exchange when writing.

TREES! TREES!

Norway, Sugar and Silver Maples
Norway Spruce and Arbor Vitæ.

WM. J. CHINNICK, Trenton, N. J.

Mention the Florists' Exchange when writing.

100,000 PRIVET

	Per 1000		Per 1000
1½-2 ft.	$20.00	3-4 ft.	$35.00
2-3 ft.	30.00	4-5 ft.	45.00

Usual Assortment of ROSES, including Crimson Rambler.

HIRAM T. JONES, Union County Nurseries,
ELIZABETH, NEW JERSEY.

Mention the Florists' Exchange when writing.

FRUIT and ORNAMENTAL TREES,

Shrubs, Vines and Roses.

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., Geneva, N. Y.

Mention the Florists' Exchange when writing.

YOU MAY WANT

1000 LORILLARD TOMATO PLANTS, 2½ in., fine, $2.00 per 100 straight.
500 extra fine, 3½ in., ASPARAGUS SPRENGERII, 12 in., bushy, fine color, 8c. straight.
GOLDEN GLOW, divided clumps, 4c.
TRITOMA UVARIA, 4c. Cash, please.

BENJ. CONNELL, Florist, West Grove, Pa.

Mention the Florists' Exchange when writing.

CABBAGE PLANTS

Jersey Wakefield and other vars., from cold frame, transplanted, 25 cts. a 100; $1.50 a 1000; $12.50 a 10,000; if by mail, add 20 cts. per 100.

LETTUCE Boston Market, Tennis Ball, Curled Simpson, Grand Rapids, and other vars., 15c. per 100; $1.00 per 1000; $8.50 per 10,000; if by mail, add 10c. per 100. Other vegetable plants in season. Cash with order.

TOMATO Small plants for transplanting, to several varieties, 15 cts. per 100; $1 00 per 1000.

PEPPER Small plants for transplanting, to several varieties. 25c. per 100; $2.00 per 1000. If by mail, add 10c. per 100.

EGG PLANTS New York Improved for transplanting, 25c. per 100, $2.00 per 1000.

CELERY Golden Self Blanching and Plum, 15c. a 100, $1.00 a 1000.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

A Picture of the....



EXPANSIVE TREE PROTECTOR.

Absolutely prevents all worms and insects from crawling up fruit and shade trees. For agency, territory and prices, address

EXPANSIVE TREE PROTECTOR CO.,
ROCHESTER, N. Y.

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NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN

WILSON J. PETERS, Troy, O., President; D. S. LAKE, Shenandoah, Ia., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

A combination of Belgian growers of palms, azaleas, etc., is being formed, to be known as the Syndicate of Belgium Growers, and a number of the largest firms have already joined it. J. C. Groenewegen is the manager. Messrs. Bobbink & Atkins, Rutherford, N. J., have been appointed general agents for the United States and Canada.

Elizabeth, N. J.—The third trial of a suit for damages brought by Elmer Runyon, of the Elizabeth Nursery Co., who was not allowed to ride on the Central Railroad of New Jersey because he carried packages, has been decided in favor of the plaintiff, who was awarded $1,100 by a jury in the Union County Circuit Court, February 2 last. Mr. Runyon's case against the Central Railroad of New Jersey was first tried in Elizabeth, in the Union County Circuit Court, in June of 1897, and Mr. Runyon was non-suited. It was then carried up to the Court of Errors and Appeals and tried in February of 1898, where the decision was reversed. The case was retried in January of 1899, and Mr. Runyon was awarded $1,000 damages. The Central Railroad carried it to the Supreme Court, and the case was decided in their favor the following November (1899), the courts stating that Mr. Runyon had not proved it customary that packages were allowed to be carried in the company's passenger cars. In the final trial Mr. Runyon had 13 or 14 witnesses, proving that nearly everything had been carried in the company's cars; some passengers carrying a whole sheep, some as many as four baskets of peaches, watermelons, flowers, fruit, etc.

Fruits for Vermont.—Professor Waugh recommends the following varieties as the best to plant in Vermont: For the warmer parts of the state apples—Early Harvest, Primate, Porter, Oldenburg, Lowell, Gravenstein, Fameuse, McIntosh, King, Spitzenburgh, Spy, Rhode Island Greening, Baldwin, Arctic, Golden Russet, Hubbardston, Seek-no-further, Belleflower, Tolman. For the colder parts of the state the following apples are preferred—Yellow Transparent, Red Astrachan, Oldenburg, Longfield, Wealthy, Fameuse, McIntosh, Scott Winter, Pewaukee, Arctic, Wagener. Among pears these varieties are favorably mentioned—Vermont Beauty, Flemish Beauty, Beurre d'Anjou, Winter Nelis, Onondaga, Tyson, Lawrence, Sheldon. The most promising plums are said to be Burbank, Lombard, Abundance, Bavay, Chabot, Pond, Golden Drop, Grand Duke, Wildgoose and Wayland. These, however, are not recommended for the colder towns of Vermont. The best cherries are Morello, Montmorency, Brusseler Braun, Bessarabian and Early Richmond. Grapes can be grown by planting Moore's Early, Worden, Moyer, Brighton, Wyoming, or Green Mountain. Various sorts of blackberries, raspberries, gooseberries, currants and strawberries are also recommended.

Ornamental Tree Planting.

O. B. Hadwen, of Worcester, read a paper before the Massachusetts Horticultural Society, Saturday, January 20, on "Half a Century's Experience in Ornamental Tree Planting." He said in part:

The better time to plant trees, whether in Spring or Autumn, is a question in which there is a wide difference of opinion. The Autumn is a favorable season for planting either deciduous or coniferous trees, provided it is done early and root growth thereby encouraged. When planting deciduous trees in the Fall the foliage should be removed. The leaves will then cease to draw upon the roots for nourishment, leaving them in condition to make new growth, which they readily do when the ground is warm and sufficiently moist. In the Spring the conditions are changed—the atmosphere is warm and the ground cold, and while the leaf will start, the roots remain dormant, and cannot supply promptly the nourishment required by the top. If trees are to be transported long distances, Spring planting has some advantages. It is facilitated by digging the holes in the Autumn; the action of the frost upon the earth renders it more friable and more easily incorporated among the roots. Thoroughness in filling the spaces among the roots is of essential importance in successful tree planting.

The constantly increasing variety of ornamental trees that thrive in the central part of the state is so large that I can but briefly allude to even the most prominent.

The maple, for a long time and now conspicuous in landscapes and streets, is a favorite tree, and well repays the attention it receives. I have more than 20 sorts, among them the sugar, Norway, Schwedleri, Reitenbachi, Geneva, cut-leaved Wier, sycamore, and the purple-leaved variety, tartaricum, Ginnala, pennsylvanicum, negundo, and the Japanese maples.

The magnolias are among the most magnificent trees for ornamental planting. Fifty years ago but few were considered hardy. I have some 15 varieties, all proving hardy save one. They are M. acuminata, M. glauca, M. macrophylla, M. tripetala, M. Alexandrina, M. conspicua, M. Kobus, M. Lennei, M. purpurea, M. parviflora, M. hypoleuca, M. Soulangeana, M. speciosa, M. stellata and M. Thompsoniana. Some of these trees are 30 feet high. The tulip tree is proving a great favorite on extensive grounds. I have one less than 40 years old 80 feet high. The only objection to this tree is its liability to break in severe storms of ice, but with its rapid growth it soon recovers its form. Its lumber is known as white wood, now so extensively used in inside finish. It is a difficult tree to transplant, and should be transplanted in the Spring. The beech in its variety forms a class of ornamental trees worthy of more elaborate consideration than time will permit. The American beech is esteemed for its neat and airy foliage, which remains on the branches during the Winter. The fern-leaved beech is perhaps the most shapely in its growth of any of the family. I have several, one of which is 30 feet high with 30 feet spread, and without question the most beautiful and symmetrical tree in my collection. All the birches are graceful trees. The canoe birch attains the larger size. I have one 40 feet high and 2 feet in diameter. The cut-leaved birches also attain a large size, and are, perhaps, the most beautiful of the family. The sweet gum tree, now being considerably planted, although not indigenous to the New England States, seems to thrive here where the situation is favorable.

The yellow wood (Virgilia lutea) is among the finest of ornamental trees, and is especially adapted to moderate-sized grounds, where but few trees are grown. But few trees can compare with the oak in its variety of beauty changing with the seasons. I have some, of Nature's planting, 4 feet in diameter and 60 feet spread. The walnuts are readily grown from seed and transplanted when young, or, when large, with a frozen ball of earth. The black walnut makes a fine vigorous tree—tall, with a spreading habit. The hickory is a stately tree, and is long lived. The linden or bass is becoming a popular ornamental tree. It is superior to the European sorts, and surpasses all others in size, foliage and abundance of flowers. I have some more than 60 feet in height. There are any other deciduous trees growing on my farm well worthy of planting. Among them are the mountain ash, oak-leaved ash, Catalpa speciosa, double flowering horse chestnut, Kentucky coffee tree, ginkgo, Koelreuteria, Aralia spinosa, Cercidiphyllum, Tupelo, Bolleana, Carolina and Lombardy poplars, Sophora japonica, sassafras, Syringa japonica, English, American and Scotch elms, and nettle tree. Coniferous trees for their symmetry of form, varying shades of everlasting green, and for the beauty and grandeur of individual trees, are enlisting increasing attention. My first planting of the white pine (Pinus strobus), in 1845, was made with the purpose of shelter rather than for ornamental effect. For the first 30 years they furnished both, but in later years have been much broken by storm and ice. I early planted the Scotch and Austrian pines, but both proved inferior to the white pine. The Swiss or Cembra pine proves the best of the pines; the boughs are of a tough fibre and resist the storms of ice. The Norway spruce I planted quite extensively. They have attained a height of from 60 to 80 feet, and remain unbroken even in old age. The Oriental spruce is a charming tree, differing from the other spruces with its compact form and dark, attractive foliage. The hemlock spruce, indigenous to the New England States, is perhaps the best of the coniferous trees. The white spruce is the most shapely of the spruces; its slow growth and compact form adapt it to small areas where primness is desired. Picea pungens, a Colorado blue spruce, is proving an attractive and desirable sort. Abies concolor, of fine symmetry, is one of the most attractive evergreens. Among other conifers growing on my premises are Abies Veitchii from Japan, Picea Alcocquiana from Japan, P. Engelmanni, P. Douglasi, P. Nordmanniana, P. Omorica and P. Fraseri.

In tree planting, no one rule can be applied to all kinds, but general rules are essential to success. In early life I made many mistakes. I had not learned the importance of digging generous holes, deep in well drained land, and shallow in wet places. I have learned to use an adequate supply of well composted material about the roots, and also have learned that an annual dressing should be applied to produce the finest effect, both in tree and leaf.

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Lowest prices per hundred.

MIXED CANNAS Per 1000, $10.00.
40 varieties. List on application.

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Wholesale Rose Growers.

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ROSES Field Grown 2 years old.

Ampelopsis Veitchii, 2 years, strong.
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Send for our Price List giving rates upon these and other hardy ornamental nursery stock.

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ROSES, PALMS, CROTONS,
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are the cheapest because they are the best. We have in stock over 1000 varieties on own roots, including nearly 200 New Roses not offered elsewhere, as well as all the old favorites, at prices that make it worth your while to send us your list for quotations before buying elsewhere. All sizes from 2½ in. pots up.

Send for a copy of our New Guide to Rose Culture for 1900, a handsome book of 134 pages, illustrated with hundreds of half-tones and numerous colored plates. It is really a work of art and free for the asking.

THE DINGEE & CONARD CO., Rose Growers, West Grove, Pa.

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ROSES

All sizes and kinds. Write for prices.

Boston Ferns and N. Cordata Compacta, 2½ in. pots.

Honeysuckles, Hibiscus Cooperi, Moon Vine, White and Blue, Ruhra Begonia, Strobilanthes Dyerianna } 2½ in pots at $3 per 100.

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Ageratum, Princess Pauline, 2½ in., at $3.00 per 100

Ruhra Begonia, 3 in. pots, at $4.00 per 100.

Hardy Pinks, 6 varieties, 3 in. pots, at $4.00 per 100.

Cash with Order.

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THE STORRS & HARRISON CO., Box 936, PAINESVILLE, OHIO.
Leading American Nurserymen, offer one of the Most Complete Assortments of
FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.
46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

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3 to 4 ft. strong, $15.00 per 100; 4 to 5 ft., extra strong, $18.00 per 100.

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GOLDEN GATE ROSE WINS THE LEAD.

As the largest growers of this rose in the world we offer two-eyed
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MONTHLY AND EVER-BLOOMING ROSES

DORMANT FIELD-GROWN PLANTS.

	12	100
Hermosa, 1st size	$2 00	$12 00
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For Rhododendrons, Azaleas, H. P. Roses, Crimson Ramblers, Spring Bulbs, and Japan Ball Ferns, refer to last issue of *Florists' Exchange*, page 101.

BOBBINK & ATKINS, RUTHERFORD, N. J.

Nurseries and Cellars at Carlton Hill, N. J.

Mention the Florists' Exchange when writing.

Eastern New York Horticultural Society.

This society held a very successful meeting in the Berkeley Lyceum, New York, on Wednesday and Thursday, February 7 and 8; President James Wood, Mount Kisco, N. Y., occupied the chair. The forenoon of the first day was devoted to reports of the various standing committees and papers on plant diseases, and legislation on fruit packages and its results. In the afternoon the president gave a very interesting historical sketch on the dissemination of improved fruits in Eastern New York. He traced the origin of the nursery industry proper to the establishment of Prince's Nurseries, at Flushing, in 1737. Touching on the matter of the peach he stated that crossing with varieties now brought from northern China could be confidently expected to give good results. The raspberry industry was of quite recent origin, and in the course of the discussion the fact was elicited that this portion of the fruit growers' business had suffered materially from the influx of other Southern fruits. As regards plums, J. H. Hale remarked that the Japanese varieties had come to stay, and it only wanted men to demonstrate their ability to bring them to their highest possibilities, Mr. Hale stating that this fruit was one of the grandest that had come to the knowledge of the present generation.

S. B. Parsons, Flushing, L. I., gave some interesting reminiscences of the nursery trade. He believed the eradication of the San José scale an impossibility, even with the precautions now being taken to combat it. In 1838, when the Parsons Nursery was established, there were only four or five others in the country; now the number of nursery establishments reaches some 15,000.

Professor Beach, of the New York Experiment Station, Geneva, N. Y., read an interesting paper on new varieties of fruit not generally introduced. Among these he mentioned, in apples, the Arctic, the Bismarck, the Greenville, the Ingram, Livingston's Pride, The Milding, Rome Beauty, White Pippin and the Winter Banana. Among varieties of Japanese plums the Burbank and Wickson. In the European class of plums Grand Duke and Monarch. Among grapes he spoke a good word for the Vergennes.

Geo. T. Powell, of Ghent, N. Y., read a paper on domestic and foreign markets for American fruits. He condemned the present practice of shipping inferior grades of fruits to Europe, which was exceedingly detrimental to the industry. Sutton Beauty was a valuable variety of apple for foreign markets, bearing transportation well. He suggested that every shipper of apples should paste on his packages a full description of the varieties therein, pointing out also the various uses to which apples could be put. He commented adversely on some of the present methods of packing, which were more or less due to the fault of speculators, and recommended that apples grown in light soil should be sent to home markets; those grown in clay soil could be shipped satisfactorily to foreign markets. He advised dwarf growth as affording the best means of combating insect pests.

In the course of the discussion that followed it was suggested that some sort of legislative commission be instituted to inspect all fruits before exportation, in order to insure a better grade being shipped. This would seem necessary from the fact that the European buyers are becoming more critical every year, and they want to have the very best that can be obtained. The American fruit grower had too long been of the opinion that the people of Europe were fools, and would take anything that was sent to them.

Other papers read were, New Injurious Insects and Remedies, by Prof. M. V. Slingerland, Ithaca; Irrigation, by Walter F. Taber, Poughkeepsie; Cold Storage, Its Advantages and Disadvantages, by A. W. Williams, Highland; Fruits and Vegetables Under Glass: Fruits, Wm. Turner, Tarrytown; Vegetables, C. E. Hunn, Ithaca.

The election of officers resulted as follows: President, James Wood; vice-president, Walter F. Taber, both re-elected; secretary-treasurer, Chas. H. Royce, Rhinecliff, N. Y.

At the American Institute Exhibition held Wednesday and Thursday, in connection with the meeting, the display of plants and flowers was not large. Robt. McMillan staged mignonette. John Lewis Childs, Floral Park, had a few plants of Primula obconica. Violets, both double and single, were shown by G. T. Schunemann, who obtained second prize in each class. Thos. Talbot got first on singles, and G. W. Feeter first in doubles. Other violet exhibitors were C. J. Weber & Son and Herbert Spavins. Carnations were shown by J. G. Hayden, Floral Park, and G. M. Hay, gardener to J. T. Williams, Stamford, Conn. Inez Wood, of Mount Kisco, had a display of pansies; G. M. Hay also had some fine amaryllis spikes. Lager & Hurrell, Summit, N. J., had a collection of orchids, which were very fine; among the varieties were a white cattleya and Dendrobium granulosa superba. Ernst G. Asmus showed an excellent vase of Liberty rose; some of the flowers were of a remarkable size, with very long stems.

The Expansion Tree Protector Co., of Rochester, N. Y., had on exhibition samples of their protector.

There was also a display of fruit and vegetables, competitors in these lines being much more numerous than in flowers and plants.

Among exhibitors of spraying apparatus was the Goulds Manufacturing Company.

The Dutchess County Horticultural Society.

The regular meeting of the Dutchess County Horticultural Society was held on February 7. The following officers were elected for the ensuing year: President, F. R. Newbold, Poughkeepsie; vice-president, James Blair, Staatsburgh; treasurer, Charles Mitchell, Poughkeepsie; secretary, W. G. Gomersall, Fishkill Landing. Thomas Talbot, gardener to L. P. Morton, Rhinecliff, was nominated to membership.

It was resolved that the regular meetings of the society be changed from monthly to quarterly, the next regular meeting being April 4. From the commencement of the society a large number of ladies and gentlemen have subscribed regularly toward meeting the expenses of the exhibition. At this meeting a resolution was passed unanimously to elect these ladies and gentlemen to the honorary membership of the society.

It was announced that C. W. Ward, of Queens, had generously offered a $25 silver cup to be competed for at the November exhibition, for the best collection of six varieties of carnations, not less than 25 or more than 50 of one variety; three of the varieties at least must have originated at the Cottage Gardens.

A cash prize of $25 was also announced from E. G. Asmus, of West Hoboken, for the best vase of the Liberty rose, exhibited at the same exhibition. This generous offer was gratefully accepted. Other premiums generously offered and gratefully accepted were $10 from Peter Henderson & Co., for 12 blooms of the hairy or ostrich plume chrysanthemum, in six varieties; $10 from the German Kali Works, for best collection of vegetables, and one bag of potash for second prize; $10 from Wm. Elliott & Sons, for mushrooms and celery, and $5 from Benjamin Hammond for prize for apples.

Later in the evening the annual dinner was held at the Nelson House, when over 50 members and guests of the society sat down to a very enjoyable and excellent repast. The tables were elegantly decorated by Richard Grigg and his helpers, with carnations from C. W. Ward, Liberty rose from E. G. Asums, carnations from M. J. Lynch, roses and carnations from Sam'l Horn, Bignonia venusta, tulips, lilac, etc., from David Gindra, and carnations from Wm. Saltford. Among the notables from foreign parts were Samuel Henshaw, Patrick O'Mara, C. W. Ward, Walter Sheridan, Charles B. Weathered, J. I. Donlan, Wm. Turner, Wm. J. Stewart; and Messrs. Neubrand and McCord from the Tarrytown Horticultural Society. In the absence of the president, Mr. Gomersall welcomed the guests, and introduced Richard Connell as toastmaster. A number of letters of regret was announced, including those from E. G. Asmus, Leonard Barron, Wm. Bartholomæ and others. Very happy, humorous speeches were made by P. O'Mara, Sam'l Henshaw and C. W. Ward (Mr. Stewart and others had to leave by an early train). P. O'Mara took advantage of the opportunity to invite the co-operation of the Dutchess County Horticultural Society to make the grand horticultural exhibition in New York, at the time of the American Florists' Convention, a great success. Mr. Ward spoke upon the coloring and hybridizing of carnations. Mr. Henshaw invited this and any society to hold their flower shows at the Botanical Gardens, New York, without any charge.

Among the speakers were several ex-mayors of the City of Poughkeepsie, and the present Mayor, Mr. I. W. Sherrill, who, in a few happy remarks, spoke of the great industry of violet growing in and around the city, and to stimulate to greater efforts to keep up or raise the standard of the present high quality of the violet would offer a Mayor's prize of $25 for the best 200 violets, to be competed for at the November exhibition.

W. G. G.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

SITUATION wanted, good all-round man, 17 years' experience. Florist, 557 Greenwich street, N. Y.

FIRST-CLASS decorator and maker-up wants situation; first-class references. E. H., 203 W. 25th street, New York.

GARDENER and florist, experienced, single man, wants a position on a private or commercial place as assistant, good references. L. W., care Florists' Exchange.

SITUATION wanted by florist and gardener, age 32, experienced grower—carnations, greenhouse stock, etc.; by the week; good references. Address R. F., 92 East Fifth street, Brooklyn, N. Y.

SITUATION wanted by married man, German, 32, no children; has 18 years' experience in roses, carnations, chrysanthemums and palms. Henry Miller, 494 Second avenue, 2d floor, New York.

SITUATION wanted, by an experienced nursery man, can furnish No. 1 reference, age 25 years, single. Address John G. Kerns, Pitman Grove-Gloucester Co., New Jersey.

SITUATION wanted, by German florist; married; 19 years' experience, competent in all branches can take charge; Maryland preferred. Frank P. Tauser, care George M. Lorentz Marietta, Ohio.

SITUATION wanted, by an Englishman, 18 years' experience in growing of orchids, roses, ferns, palms, carnations, violets, 'mums, Easter and bedding plants; first-class decorator and designer good salesman. Age 32, total abstainer, good references. Address L. N., care Florists' Exchange.

GERMAN, 31, single, 17 years' experience, strictly sober all-around man, well up in cut flowers and general greenhouse stock, good propagator, wants situation; please state wages. L. T., care Florists' Exchange.

SITUATION wanted by young man, age 23, as assistant in nursery or cut flower place, with chance to work up; one year's experience; wages moderate; references Address E. J. Glasson, 70 First street, South Orange, N. J.

WANTED—Situation as foreman where roses, carnations, violets and general greenhouse stock are grown; 15 years' experience; American, 28, married, no family; first-class references, strictly temperance. Harry L. Rowe, 18 E. Concord street, Dover, N. H.

SITUATION wanted by a married man, German, as a working foreman on a commercial or private place; 19 years' experience in roses, carnations, chrysanthemums and general stock; last three years with John N. May, Summit, N. J. Address, stating wages, etc., L. Y., care Florists' Exchange.

WANTED.

Situation as foreman, well up in all branches; English; first-class reference. L. S., care Florists' Exchange.

SITUATION WANTED

By young man, aged 21, 6 years with present employers, as assistant cut flower grower; 8 years' experience. Apply to W. G., care Corbett & Wilson, Station K, Cincinnati, Ohio.

HELP WANTED.

WANTED—An assistant rose grower with good references, state wages expected with board. Dean & Co., Little Silver, N. J.

WANTED—A good florist who understand carnations and violets, single German preferred; don't apply unless you want a steady position. Address N. M. Comly, Buetleton, Philadelphia.

WANTED—All-round man to help in greenhouse, must be a first-c ass hand at filling fern dishes and have some experience in store work. Apply in person. L. Hart, 1000 Madison ave, New York.

WANTED—An experienced rose grower to work under foreman; must bring reference from last employer; none need apply unless qualified to fill the position; wages, $10 per week. Thorne & Co., Flushing, L. I.

WANTED. Competent man for seed and bulb trade; some traveling in N. Y., Pa. and N. J.; must be a hustler, and also able to work market gardeners' trade. Address M. B., care Florists' Exchange.

WANTED well appearing man for store; must be first-class decorator and designer and must come well recommended. Good wages to right party. Smith & Fetters, 148 Euclid Ave., Cleveland, Ohio.

HELP WANTED.

WANTED.

Good all-round man, married preferred, to take charge; must be honest and sober. Address L. I.., care Florists' Exchange.

WANTED.

A thoroughly competent man acquainted with the seed, plant and bulb business, references required. P. O. Box 168, Providence, R. I.

WANTED.

Bright, clean boys to learn the seed business; wages to begin $4.00 a week. L. V., care Florists' Exchange.

WE HAVE AN OPENING

For a live man to assist in the managing, also the buying and corresponding. Must be experienced in handling a large volume of work. Wm. Elliott & Sons, 54 Dey Street, New York.

MISCELLANEOUS WANTS.

WANTED 25,000 chrysanthemums, rooted cuttings. Please write, stating lowest cash price and number of varieties. Fairview Floral Co., Beatty, Ohio.

WANTED to rent, 20,000 to 30,000 feet of glass that is in good condition, no old houses wanted; please state full particulars M. C., P. O. Box 400, Madison, N. J.

WANTED to rent between now and first of June, range of rose houses, not less than 10,000 square feet, in good condition; give full particulars. Ernst F. Hoehl, 55 Hillside Ave., Madison, N. J.

WANTED 140 locust posts, 8 to 10 feet long, 4x4, would prefer them square, but could use faced on one side. Also 2 and 3-inch steam pipes, second hand. Address Stafford Floral Co., Stafford Springs, Conn.

WANTED TO RENT.

Range of Glass 8,000 to 12,000 feet must be in good condition. State full particulars. C. Smith, 375 Arlington avenue, Brooklyn, N. Y.

BUSINESS OPPORTUNITIES.

FOR SALE Greenhouse, 10x60, heated by fine shed 10x15, frames, stock, furniture; to let house, 7 rooms, lease 5 years, rent $10.00, suit jobbing gardener. Childs, Clinton Avenue, Plainfield, N. J.

FOR SALE or rent. Greenhouses and 8 acres of land, within 5 miles of center of Philadelphia, in an improving district; 45,000 feet covered with glass, steam heated, stocked with roses, carnations, asparagus, smilax, violets, etc.; 12-room dwelling, stable, 7 tenant houses. For further particulars address Evans' Rowlandsville Nurseries, Station F, Philadelphia, Pa.

FOR SALE. Two and four-fifths acres good soil dwelling house, 6 rooms, 240 hotbed sash, stable, sheds, 3 brand new greenhouses, 21x101 ft., 16x24 glass, all locust posts, equipped with Hitchings & Co. improved No. 57 Boiler and Hitchings ventilating apparatus, steam pump and boiler, and all implements and stock; cause for selling, death in family. Has to be seen to be appreciated. Any one who wants to take advantage of a good opportunity address Nicholas Rothar, Central Ave., cor. Moffat St., Brooklyn, N. Y.

FOR SALE.

Large greenhouse plant, established wholesale and retail business, well-stocked and in good condition. Write for particulars, etc.

B. F. BARR, Lancaster, Pa.

FOR SALE CHEAP.

Three Greenhouses, 20x80 feet, all improvements, and residence on property. Good location, near New York. Three minutes from R. R. Station. Rare chance, liberal terms. Address MILLER & CHRIST, New Hyde Park, L. I., New York.

MISCELLANEOUS.

FOR SALE. The entire stock of electrotypes and wood cuts, also cuts and type set for printing seed and vegetable bags, formerly owned by F. E. McAllister Co.; cost some $3000; will dispose of same for $150. Full information and proofs of electros on application. Address Electros M. A., care Florists' Exchange.

MUST BE SOLD

at once, 2 hot-water boilers, No. 5 Weathered, and 1,200 feet 4-inch cast-iron pipe for hot-water heating. Wm. Schirrmeister, 3009 Fulton street, Brooklyn, N. Y.

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Washington.

AMERICAN ROSE COMPANY.

Crane of the last year's introductions is the nearer to scarlet with us and is of fair size. America is proving much more vigorous and is certain to outbloom Crane for the season. It is, however, a reddish pink rather than a scarlet in color. Maceo is a very free bloomer, dark cardinal, a splendid keeper, too short in the stem. Gomez is not so free, but longer in stem and the color seems more salable. Both these are below the standard size. Liberty, Shelmire's seedling, is proving very profitable. It is of good commercial size, a dazzling pink, and will be largely grown by us another season, as will America. Glacier seems too dwarf and slow. Bradt does not seem to sell as well this year as last, the demand being more strongly for true scarlet. Siever's California seedlings are not proving very profitable. We grow about 20 of the standard varieties in small quantity for hybridizing purposes, but most of our space is filled with seedlings of our own origination. For white, we use 40,000 plants of Luna; for pink, 6,000 Potomae; for scarlet, 10,000 Mephisto, and, in addition, about 12,000 seedlings in their first or second year. We are not disseminating any of our own seedlings which we grow for cut flowers.

Illinois.

Joliet.

CHICAGO CARNATION CO., PER JAMES HARTSHORNE.

Replying to your favor of the 29th ult., asking for our opinion and experience with the varieties of carnations we are growing for commercial use, we will begin with the variety G. H. Crane, which is the best scarlet carnation on the market at the present time. If it has any bad points we have not been able to see them as yet. It is a very free and continuous bloomer, and the flowers always command the top figure. The Chicago or Scarlet Bradt is a very fancy variety, and good growers, or anyone who has success with Bradt should not fail to grow this sort, as the color is superior to Crane, and if the stems can be gotten stiff as we have had it, it will command a price from one to two cents higher than anything else. Next comes White Cloud, which has done phenomenally well with us. This season, for instance, we have a thousand plants, and they paid us at the rate of 27½c. per square foot of bench space during the two weeks of the holidays, and 47½c. per square foot up to the first of January. This is better than any white carnation paid us last year for the whole of the season. We did not have White Cloud then. We, however, think it is a cropper. John Young is a very good white, a free and continuous bloomer, a little late in coming in, but does not crop, and where a person must have some white all the time it would be well to grow a few of this variety. Evelina, we shall drop, but intend to grow it as a Summer bloomer, believing it is the best white variety for that purpose. In pink, we have good success with Mrs. James Dean. The flowers and stems are very fine, and always command a high figure in the market, the color being so much admired. It was very profitable with us last year, and is doing still better with us this year. We find, however, that we have to have a cheaper grade, and for this purpose we grow Mrs. Frances Joost, which is an improvement in every respect over Scott; commands a much higher price and is just as healthy a grower and as free a bloomer. In the dark pink, or cerise, Argyle is the best we have. It is a free and continuous bloomer, with good large flowers; the only fault with this variety is the stem is rather weak. The cuttings should also be propagated early, as it is not an extra strong grower. In variegated, we think there is only one, Mrs. Geo. M. Bradt. It is getting to be so well known that very little description is necessary. One of its good points is that it can be planted closely, and a great many flowers can be picked from a given space. It was the most profitable variety in any color we grew last year, and we are cutting more flowers from it this year than we did then. In yellow, Gold Nugget is our favorite. It is very profitable and the flowers always find a ready market. In crimson we are growing General Maceo and General Gomez, and it is a question which will pay us the best this year, although at the present time Gomez is ahead. It is a very strong grower, a very free bloomer, and a brighter color than Maceo. Maceo is rather a slow grower, but we think by propagating early that it will be more profitable than Gomez, as every growth brings a bud; and if we can get all of our plants to do as well as some of them have done this year, we think it will give us more flowers to the plant than any carnations we know of, barring none. We also grow Jubilee, Armazindy, William Scott, Victor, Daybreak and Flora Hill, but intend to discard them after this season. We would say that we are growing H. Weber & Sons' Genevieve Lord, and believe it will become a standard variety, as it is a very strong grower, a free and continuous bloomer, a very pleasing color and good, stiff stems. We shall grow quite a batch this next year. We are also growing a large house full of seedlings, some of which will be put on the market next year. We have them in all colors, and in our opinion they are so far ahead of the present standard varieties we have mentioned, that we shall have to cut down in quantity of the standard sorts.

Long Island.

Freeport.

CHARLES LENKER.

I hereby give you a synopsis of the carnations I grow for market: In pink, William Scott is the most productive variety to-day with me, and the most profitable. It has improved in flowering qualities about 20 per cent. in the last three years. Van Leeuwen never has any disease, is easily grown, its only fault being that it produces a crop of short-stemmed flowers in the Fall. Maude Adams, cerise, is a grand flower and a heavy bearer. It requires to be grown warm, with plenty of moisture both in soil and in foliage. It is a cropper. Mrs. F. Joost is a good all-round carnation, ranging second to Scott. In light pink Daybreak does with me as well as ever. Mrs. James Dean is a fine, healthy plant, producing fine flowers, but it does not give enough of them; I will drop this variety. Among reds I have Lady Emma, and some of the original stock obtained from Thorwald Jensen, Mamaroneck, N. Y. I am looking in vain for its equal in productiveness and profitableness. The flowers are a little small compared with those of the newer sorts. Bon Ton's stem is too short and it throws too few flowers. Jahn's Scarlet is too small, giving only one good crop for the season. The color, also, is too light. In white, Lizzie McGowan is the best all-round with me. Flora Hill produces a very good, large flower, is an easy grower, but it requires careful watering. If over watered it will not develop its flowers. Among variegated, Mrs. Geo. M. Bradt is good in every way—a grand variety.

Massachusetts.

Framingham.

WM. NICHOLSON.

In reply to your letter of inquiry regarding carnations and their merits commercially, for white we grow Flora Hill, White Cloud, Evelina, Edith Foster and Freedom. For a fancy carnation I think White Cloud stands at the head of the list; next comes Flora Hill, then Evelina, Edith Foster and Freedom. In dark red or crimson I think Maceo stands first for profit, Gomez next, F. Mangold and Sebec following. In scarlet G. H. Crane, in my opinion, leads, followed by America. For yellow, Eldorado is still the best we have tried so far. In the variegated class Mrs. G. M. Bradt has done exceptionally well with us this season. Mrs. Frances Joost, pink, is the best of its kind with us, and we still think lots of Daybreak and grow more of it than of any other one variety. We are growing very few Wm. Scott this year, as Joost has paid us much better. New York has done very well, only it gives too small a flower for a fancy carnation. We have a few new ones on trial, but it is too early to say anything in regard to them this season.

Springfield.

H. GROUT.

In answer to your inquiry as to what I grow in carnations, giving also the good and bad points of each, I would say, that owing to last Summer's drouth in the field my plants suffered from the lack of water to such an extent that at the time of taking them up they were no larger than plants ought to be when planted out six weeks in the Spring. They are now, at this late day, what they should have been last September. The carnation mainly grown by me is Conch Shell, which for freedom of bloom is way ahead of any of the existing kinds that I have tried, and sells the best of any. I have also planted out Flora Hill, which has done better this year than last, there being hardly any loss from stem rot. I think I shall try this variety another year. The next, in white, is White Cloud, which I will throw out, as also Evelina. They don't do anything with me. Lizzie McGowan I have grown ever since it first came out, with indifferent success, until this year, when it has flowered well. In pinks, besides Conch Shell, I have Mrs. Frances Joost, which does fairly well; of Scott, a few plants, but shall discard it. I bought a few plants of Bon Ton last Fall for trial; it will not pay me to grow it. Of the new ones that came out last year I have 50 plants each of G. H. Crane and America. They have both done well with me, the former being the best producer of long-stemmed large flowers, every shoot throwing a perfect bloom. I shall try it another year. America, with me, is a strong grower, with a little too much grass. I lost 14 plants of it from stem rot, and at first thought I would discard it, but think I shall give it another trial. My plants are all on raised benches, though I am of opinion some of them would do better on solid beds. I have quite a number of new seedlings of my own hybridizing, but desire to give them further trial before bringing them out.

Westboro.

ALBERT H. BROWN.

Among the newer carnations grown by me this year Melba has proved a strong, robust grower, a constant bloomer, with blossoms which average 3 inches across. Crane is the largest and best scarlet to date, but furnishes few cuttings. Gomez has good color but in size would have suited ten years ago. Progress and Liberty are not free enough for commercial sorts. White Cloud is a large white, on extra long stems; but as one person remarked to me, "The grower ought to get 50c. per blossom to make it pay." Emiline is one of the best I have tried, though some may not like the color; this variety is a strong grower and needs plenty of room; some blossoms have measured 3¾ inches across, on stems 20 to 30 inches in length. Maceo has taken well; the color attracts lots of attention. Of the old kinds Bradt stands at the head for freedom of bloom, and realizes the best price for cut blooms of any. Flora Hill has not done as well as last year. Victor, Daybreak, Albertini, Nivea, John Young, Anna Webb, Evelina, Mrs. James Dean and Empress have all done extra well. I shall discard as no good New York, Mayor Pingree and Minnie Cook. In seedlings I have a cross between Bradt and Albertini, with blossoms 3½ to 4 inches across; color white, edged and heavily striped with deep pink; also another seedling cross between Bon Ton and Red Bradt; color a glowing scarlet, a high built flower, 3 inches across. Both of these are in their first year. I have also some 25 other seedlings of different shades.

Michigan.

Detroit.

G. A. RACKHAM.

In whites, White Cloud is the best to date with me, but I find it better for Winter than Spring growing, for it does not seem to be able to bloom freely in the Spring months; Flora Hill is better in Spring than the former. In red, I have found nothing to beat Crane so far; but am pleased with Evanston, although the color is not as pleasing as that of Crane. In light pink Scott is still the money producer and all-round good carnation; but Cerise Queen, as a dark pink, has produced more and better flowers than any carnation, is always in demand, and I shall plant double the quantity next year, for it is a good one in every way.

Grand Haven.

GEO. HANCOCK & SON.

We give you very briefly our experience with some of the varieties of carnations which we are growing for commercial purposes. Our soil is quite light. We keep a night temperature of from 48 to 50 degrees.

White Cloud is our favorite white. Its size, color, form, fragrance and stem all combine to make it a leading variety. Glacier, introduced last year, promises to be a valuable acquisition; pure white, early and free, medium height, making it desirable for low benches. Flora Hill is an exceptionally fine standard variety, having many good points. John Young has flowers of medium size, but they are produced abundantly; are of good form and every flower perfect. Ivory has given us more perfect flowers than any other variety, of medium size, good form and substance. We have grown many other white carnations, but select the above five as our choice for leading commercial varieties. In pink kinds Daybreak still leads as the best of the very light shades. Governor Griggs is a little darker in color than Daybreak, and we shall give it further trial before passing our opinion upon it. Just now it seems to us a little small. Melba, still darker, a very pretty shade; early and free; flowers of medium size on long stems; plants subject to bacteria if not carefully selected. Mrs. Joost, clear pink, very productive, and will become a standard if not surpassed by this year's novelties. Wm. Scott has been one of our standbys, but must soon give place to the newer varieties. Argyle is a deep pink of large size, but we are afraid it is not going to be productive enough. Victor and Mme. Chapman are two sports from Daybreak, darker in color, similar to Daybreak in growth, but perhaps a little more vigorous and are both decided acquisitions. In red G. H. Crane takes the lead. It was introduced last year and we shall grow it extensively for commercial purposes. It is early, free, of good color, and has fine strong stems. America, larger in size and lighter in color than Crane, makes a fine companion variety. Jubilee, an old favorite, but not equal to the newer varieties in productiveness; also somewhat subject to stem rot. Chicago, the red sport from Mrs. Bradt, is perhaps the largest red variety in cultivation, and is very desirable where fancy carnations are wanted. Evanston, the red sport from Tidal Wave, makes a fine variety for low benches, being an early, free and continuous bloomer; flowers of medium size. Firefly, early, free and continuous; plants exceptionally healthy. In crimson varieties all others have given way to General Maceo, the darker crimson, and General Gomez only a shade lighter. Both are rich, glowing colors; very healthy, early, free and continuous bloomers. Gold Nugget is the only commercial yellow we are growing, and we have tried them all in their turn. We have some seedling varieties which are very promising. In variegated varieties Mrs. Bradt easily leads; its large size and distinct bold markings make it a general favorite. Armazindy is smaller in size, and has a little less color, but has a strong stem and is very productive.

Grand Rapids.

G. F. CRAND.

White Cloud is the best white to date, although there is still ample room for improvement. It has a fine stem, magnificent flower, which should be left on the plant long enough to thoroughly develop when it is of the purest white. It is a little slow in coming into bloom, but makes up for it when in. It is inclined to be a cropper; it is slightly addicted to bacteria and a few flowers come bursted, still it is *the* white. Flora Hill is a grand flower, free bloomer; last year the peerless one, this, on the toboggan slide, all on account of a weak neck and being in some degree addicted to stem rot. However, it will be planted in quantity next to White Cloud. Glacier is a beautiful white and very free; has a good stem and large flower, but lacking the substance one expects in such a flower. It will be given a more extended trial next season. White Daybreak has done well with us, and may, another year, stand along side of White Cloud. It seems to have a little better constitution than its parent, and is just as free; but like Daybreak is subject to rust. Evelina is the freeest blooming white we grow, and while not a fancy white and inclined to burst freely at times, it is a good commercial white with those who can do it. Freedom is free, but gives too many defective flowers; even a large fine bloom being too flimsy.

We shall discard it. John Young may be all right where it can be grown to open freely; it is too late in coming into bloom, which is to be regretted, considering its other fine qualities. With us, it seems as if nothing short of a surgical operation will open the buds. We will drop it, also Genesee, which is a disappointment, as we thought it would be a good commercial sort; it is very rusty and otherwise diseased and will be discarded. Alba Superba, fine, but too shy; will discard it. Melba is the best of the newer pinks, medium to large flower, stiff stem, beautiful shade of light pink and a very free bloomer. We will grow it more extensively next year; its grievous fault is bacterial disease, causing many of the plants to die out. Mrs. James Dean, similar to Melba, but higher built, and a shade brighter flower; strong grower, of good habit, but not nearly as free as Melba. Except at a high price it is not profitable. New York has medium to large flower, bright cerise pink in color; free bloomer, a little troubled with disease, yet is a profitable variety to grow and should be a favorite in its color. Governor Griggs, the rival of Daybreak, is a beautiful color, a shade brighter than the latter; the flower, though being evenly covered in its coloring; if it continues as free in blooming next year as this, it may displace Daybreak. It is a strong grower, with stiff stem and free bloomer. Daybreak needs no description; the people demand it and we must grow it, at least until we can offer a satisfactory substitute, which may be Governor Griggs. Scott, for a cheap, bright pink, must still be grown, it being so remarkably free, although the quality of the flowers is deteriorating. Mme. Chapman, the Grand Rapids sport of Daybreak, is a fine pink; a little lighter than Victor, and takes better. It has a stronger, more vigorous habit than its parent, and when grown cool is a really fine flower and as free as Daybreak. All the florists in this vicinity are heavily stocked with it, and it is so profitable more will be planted the coming season. Mrs. Frances Joost, while a fine, free blooming pink, will be dropped to make way for Mme. Chapman. Happy Day, from its large size, clean foliage, bright, cheerful color, will, in spite of its shy blooming qualities, be given another trial. Painted Lady has too much purple in the color; is a shy bloomer, weak stem, etc.; will be dropped. C. A. Dana makes too much grass, is late and shy; will be discarded as will also be Conch Shell, Argyle and McBurney, shyness in bloom being the principal reason.

Grandville.

THE STOVER FLORAL COMPANY.

We are growing about 10,000 plants of the following varieties: In white, White Cloud certainly is the best to date; it has all the qualifications of the ideal carnation —good size and stem, very seldom bursts, and has been, so far this season the freest white we have. Whenever you have White Cloud for sale you can depend on a fair price. Flora Hill, while it has the size, bursts very badly with us. We have 1,500 plants on a cool bench. We are of the opinion that this variety should be grown 5 to 10 degrees warmer than some of the other kinds, and in a clay soil; but think the same space planted in White Cloud would be much more profitable. Lizzie McGowan must go; we can do nothing with it. In pink, Mme. Chapman, a sport from Daybreak, originated in Grand Rapids, is the best pink for us; it is an improved Victor, of medium size, a good grower, never bursts, and is a money-maker. Wm. Scott we still find an old standby. Daybreak seems to be growing smaller each year, and must give way to the newer varieties of its color. For red, we have Jubilee, which is our standard red, and should be grown by every florist who wants an early variety. We consider it the best for all purposes. Emily Pierson is an old story, but a very profitable variety with us. Among variegated sorts Mrs. Bradt, of course, stands at the top; we cannot add more. Armazindy we are trying for the first time, and judging from what we have seen of it there is still a place for it.

New Jersey.

Hightstown.

CHARLES BLACK.

We are growing for white, McGowan for main crop, Flora Hill, but few; it gives us some good flowers, but the plants are not so healthy with us as they should be. In pink we have Scott; it is our most profitable variety. We also grow Victor and Daybreak with fair success. For red, we have tried several of the older varieties but have dropped them all. Portia did well, but was too small for present demand. In yellows we have been growing Eldorado with good success, but have dropped it now as we dislike its tendency to rust. Among new seedlings we have three that we have grown successfully for the past three years—No. 6 is a deep, rose pink, better than Scott under same conditions in every respect, except in size, which is about the same; stem 16 to 24 inches, strong, holding the flowers erect and does not burst the calyx. No. 5, extra strong grower, continuous bloomer; gives 3-inch flowers with ordinary treatment, very full; color very dark, almost crimson, ribbed stem, strong and stiff, 18 to 24 inches. No. 9, light rose pink, without purple, 2¾ to 3-inch flower, strong grower, stiff stems, 16 to 24 inches; free bloomer, but a little later than No. 6 or Scott. These three were from Daybreak × Scott. A sport from McGowan that we have grown largely the past six years is a strong, sturdy grower, with stiff stems that hold the flowers erect; flower similar to McGowan. This variety is excellent for low side benches; it is surpassing its parent with us this season. We have also a sport of Flora Hill same as parent, excepting in color, which is pure white, deeply flushed purplish pink, with white edges. Under gas light it resembles Daybreak. All the above are grown without any stimulants or disbudding. No. 6 and No. 9 are very fragrant.

Ohio.

Kenton.

W. SAURANSKY.

The best white carnation I grow is White Cloud; it is early and free, with long, stiff stems and good-sized flowers. It has one fault, however—it bursts its calyx under certain conditions. To avoid this I pinch out the center bud if it appears short and chunky; a side bud will always bring as good a flower without bursting. Flora Hill ranks second in my estimation; flowers are larger than those of White Cloud, but not of as fine shape. The stem is weak, and the variety is not so free in flowering as I would like it. By selection I have almost eradicated the bacterial disease. Evelina is a failure; it produced a lot of second-rate flowers in early Winter, but now it is running to grass. It will go on the rubbish heap if I need the space for something else. Crane is my best scarlet; it is early and free, makes very little grass, and can be planted close. America is not nearly as free as Crane, nor as early; I don't like it. Jubilee is a good one, if it would not throw so many single and off-colored flowers. It should not have a temperature of less than 55 degrees at night, which, unfortunately, I cannot give it, hence I get about 30 per cent. of poor flowers. In pinks I put Triumph at the head of the list; it has a fine color, a large flower, is a free grower and early. I never have seen a bloom of it with a bursted calyx. It is the most profitable carnation I grow, its only fault being that it makes too heavy grass. Daybreak is another good one with me; my soil (a heavy limestone) seems to suit it exactly. It is as vigorous and healthy as ever; I shall continue to grow it until I am thoroughly convinced I can get something better in its color. Melba is a beauty; full color and is free, with good stiff stem; flower rather under size, but I shall plant more of it next year. Mrs. James Dean is under size, with weak stem, but of good color. I shall discard it. Mrs. Bradt is the best variegated I have; it grows well with me outside, and if planted close on the bench and kept pinched back up to October 1, will give a continuous crop from December; it pays. Armazindy is also a good one. My experience with it is that it should not have too rich a soil to make it flower freely. Helen Keller is a beautiful flower, but shy in blooming and likes a high temperature. I have not said anything about rust, as it does not bother me; even Jubilee is entirely free from it. My most profitable carnations are Triumph first, Daybreak second, and White Cloud third, three-quarters of my stock consisting of those three varieties.

Mentor.

C. MERKEL & SON.

In regard to the varieties of carnations that we are growing, in white, we think Flora Hill O. K. for early blooming, White Cloud coming in immediately after; but both have their faults. Flora Hill has a weak stem and 50 per cent. of the flowers are bursted. White Cloud does not give enough blooms. A good all-round white is needed very much. Genesee is too small. Evelina we will discard, it being good for Summer use only. In pink, Wm. Scott is as productive as one would ask for, so we will still grow it. Mrs. Frances Joost does not produce enough blooms with us; it seems to be a little woody like. Alma, a rose pink, originated by C. Aul, Cleveland, O., is what every florist wants; it gives an abundance of first-class flowers, is a good, strong, healthy grower, and a continuous bloomer. We shall grow this variety extensively another year. Daybreak has taken a back seat with us; still our stock is as strong and healthy as ever. We have a seedling named Dellhurst, a shade or two deeper in color than Daybreak, that produces about 50 per cent. more blooms, is a good healthy grower, does not take rust, the flowers being much larger than those of Daybreak. This is its fourth season. We will disseminate it in 1901. In red, Jubilee has been our standby, but it does not bloom free enough. We think G. H. Crane will take its place. We are working up a large stock of our seedling No. 16, color and build of Portia, with stems 2 to 3 feet in length; flowers 2 to 3 inches. In yellow Gold Nugget, with us, is worthless. Eldorado seems to suit our treatment and soil, but comes about 50 per cent. bursted, so we would like to find something better. As a whole we think there is still plenty of room for improvement in the carnation.

W. Mentor.

CARL HAGENBURGER.

Of the carnations grown by us, in white, Mary Wood gives us more high-grade flowers than any other white we grow. It is not as free as Flora Hill, but has a better stem and produces better flowers. Flora Hill is a good white for floral work, but the stem is weak and the flowers burst. John Young is very shy and small with us. Glacier throws pure white, nice flowers, with short stems; is a good grower and quite free. Evelina is very free, with small short-stemmed flowers. This variety is improving every year with us. White Cloud produces good flowers on fine stems; is a good grower, but about 25 per cent. of the blooms burst. In pinks, Mrs. Joost throws medium-sized flowers, with good stem; is a good grower and quite free. This variety can be much improved by selection. Mrs. James Dean is a fine pink, having long stem and handsome flowers. It is a good grower and quite free. Wm. Scott is still one of the freest in the pink class. Triumph produces good flowers, on strong stems, but is shy and of very soft growth. Albertini is a fine clove-scented large flower; a good grower but rather shy. Alma is a fine grower, very free with good stem and very fine flowers, if given time to expand. Melba is a good grower, has a fine stem with a medium-sized flower of nice color. Among reds, G. H. Crane is all that was claimed for it—fine stem, excellent flower, a good grower, and quite free. America is no good with us—very rusty and throws poor flowers. Jubilee is still one of the best, produces fine flowers on good stems; but is not very free. General Maceo is very free, throwing good flowers, with strong stems. It is with us the best dark crimson. General Gomez is very free; a medium-sized flower, a good grower with a fine stem—all that was claimed for it. Red Bradt produces fine, large flowers on a good stem, but is rather shy. In the variegated class Mrs. George M. Bradt gives a very fine, large flower, with good stem; but is not free enough with us. Armazindy is a very good grower, with fine stem and medium to large flowers; quite free. Captain King is a good grower, strong stem, and medium-sized flowers; quite free. Sandusky is also a good grower, with desirable stem, but is rather shy with us; medium-sized flower. Mayor Pingree has a fine stem and flower, is a slow grower and rather shy.

Pennsylvania.

Clifton Heights.

GEORGE F. CHRISTIE.

In answer to your inqury regarding the merits and demerits of carnations grown by me, I state as follows: In red Crane is good, but does not give enough flowers. Among pink Triumph is the best standard; Mark Hanna is lighter than Triumph. We have grown this latter variety for six years, but never sold any of the stock. Daybreak is good yet. In white White Cloud is the finest, but does not give a big crop until after Christmas. Mary Baker is a good white, very prolific and early. Flora Hill is the largest white flower, but splits in Winter, and is weak in the neck. Evelina is no good. Gold Nugget is our best yellow. Eldorado is prolific, but splits badly. In the variegated class Bradt is slow in coming into flower and does not give enough blooms at the right time.

Philadelphia.

C. EISELE.

In the cultivation of carnations we have discarded all but two varieties of each color, after having for years tried mostly all the sorts offered. These are in white, Flora Hill and Lizzie McGowan. While they are far from being the ideal white carnations, yet they have proven to be the best and most satisfactory varieties. Both are inclined to burst in cloudy weather, and on account of weakness of stem in either variety we still look out for a real white Wm. Scott, which will surely come in the course of time. In pink we grow Wm. Scott and Victor. These are, in our estimation, the best pink varieties grown profitably in our soil. In red Jubilee, like so many other scarlet varieties, had to be discarded; we have now retained only Thos. Cartledge (red) and two other scarlet unnamed varieties of our own raising. Among the variegated kinds Eldorado and Mrs. Bradt are the best fancy sorts; they are most always perfect. The purchasing public are getting more critical in the selection of carnations, they want a large flower, erect stem, and non-bursters.

Waynesboro.

HENRY EICHHOLZ.

We are growing commercially Flora Hill, White Cloud and Evelina. The last named we like the best, as it furnishes the most bloom to the plant. In red Crane is the only one; America can't compare to it. The color of the former is better and it produces two to one flower of America. In pink Triumph and Joost are the only ones profitable. Maceo is the very finest carnation and greatest money-maker ever sent out. Daybreak we cannot dispense with yet, as nothing will take its place. Pingree is still better than Gold Nugget with us; and Bradt we grow for pleasure only—profit isn't in it.

Vermont.

Manchester.

GEORGE SMITH.

My trade does not call for the largest and finest varieties of carnations. Am growing this Winter for white, Alaska, Flora Hill, McGowan, Evelina and Genesee; the last two will be discarded. Flora Hill has a tendency to burst its calyx in mid-winter and is not a free bloomer; in early Winter what flowers there are cannot be beat. Alaska is my favorite, with large pure white flowers 2½ to 3 inches, and plenty of them. McGowan does well, but has to take a back seat for Alaska. For pink I grow Wm. Scott, Victor, Albertini and Triumph. I shall say good-bye to the last named, but ask the others to stay a while longer. For scarlet Portia and Elizabeth Skinner are grown, and although smaller than some others Portia is still the ideal scarlet. Flowers are cut with all the foliage on stem, as my customers positively decline to have the stems look like bean poles.

New Carnation Irene.

G. F. CRANE.

Irene is a cross between Daybreak and Albertini, possessing the strong, stiff stems and fragrance of Albertini, with the continuous blooming qualities of Daybreak and a most remarkable keeper. It has a strong calyx, never bursts, is free from rust, or any other disease; has strong stiff stems, so that when cutting the stems are laid on the arm and carried into the office for bunching. It is the most profitable carnation we grow, there being less waste than with any other kind. It is an early and free bloomer, being at its best during the holidays. It is still in full bloom, with no signs of abatement. We expect it will not let up until mid-summer. It is a bright pink, of great substance, yet not a fancy. It won a silver medal at the Chicago Horticultural Society's Show last Fall; a certificate at Cincinnati, December 13, and another at Chicago Carnation meeting, held January 19, 1900. It will be on exhibition at the Buffalo meeting.

The Marquis at Home.

GROVE P. RAWSON.

Seeing is believing. If the trade in general could view The Marquis carnation growing I doubt if there could be enough stock propagated to supply the demand. I understand sample stock was sent out last Fall to several of the prominent growers that was equally satisfactory. What impressed me most was that The Marquis is an all-round carnation. It is seldom indeed that any one variety combines so many good points—immense size, pure color, fine form, good stem and vigorous, healthy growth, making no grass.

Mr. Marquisee has another seedling that will come before the American Carnation Society at Buffalo, that will probably be named Syracuse, in honor of the saline city. The variety certainly makes a good showing in the houses. Its color reminds one something of Triumph—bright rose pink, the flower is large, 3 to 3½ inches, and more, with the petals slashed to one-third their depth, giving the bloom an exquisite outline; growth, stem and foliage good. Carnation experts pronounce in its favor as to distinctiveness commercially, and next in order will be the report of the Carnation Society.

I have a prediction to make for the coming white—that it will be a white Marquis, from the same source and parentage as The Marquis. So far, the general resemblance is striking as to growth and style of flower. A white Marquis, equally as good as the pink Marquis, would be head and shoulders above any other white to date. Let Mr. A. M. Herr get that $5,000 bond out at compound interest to secure this superlative white.

Mr. Marquisee is an enthusiastic hybridist. There are some 15,000 seedlings on the place to test for 1900. Contrast the requirements of a modern ideal commercial variety with those more generally grown, and would it not pay to restock with approved sorts of intrinsic value? The expense of growing would be no greater than with McGowan and Scott, and the first cost would be but a drop in the bucket as to actual returns. It is good stock that sells; the ordinary is usually in surplus, and hardly pays cost of production. A visit to the Buffalo Convention and Exhibition of the Carnation Society, February 15-16, would be an eye-opener to the majority of growers not familiar with the rapid strides of development of the newer varieties.

Carnation Mrs. Bertram Lippincott.

This variety was originated by John Kuhn, Philadelphia, Pa., and has been grown by him for the past four years. It is a cross between Daybreak and Scott. Its meritorious points are thus described by H. F. Michell' Philadelphia, who is introducing the variety:

"Form—The very acme of perfection; full, well rounded, and double, with a calyx that never bursts. Size—3 to 3½ inches in ordinary soil; with chemical fertilizers this size can still be increased. Color—A soft, rich piak, a shade darker than Daybreak—a color that 'takes' or sells at sight. Stem—Of the Daybreak type, averaging from 2 to 2½ feet. Habit—Exceptionally strong and healthy; has never been known to be a victim to rust or any other disease. Keeping qualities—No other carnation can surpass it in this respect. Its strongest point—It crops from the time it is housed until it is thrown out. No 'between seasons,' no 'let up.'"

New White Carnation Queen Louise.

This variety will be introduced by J. L. Dillon, of Bloomsburg, Pa., next year. It is described by him as follows: "A grand carnation, immense flowers, long, stiff stems; needs no trying so far this year; fragrant, continuous bloomer; no grass, no disease, and a strong grower. This is its third year, and it is away ahead of anything we have ever grown." A picture of this variety will appear in next week's issue.

The American Carnation Society.

New Varieties Registered.

Mr. A. R. Walker, Flint, Mich., registers "Michigan," color dark red, a seedling from McGowan, freer than Scott and blooms the whole season through, from time of planting in until thrown out; stem wiry and from 15 to 24 inches long; foliage dark green and healthy, the cuttings easy to root and the plants easy to lift in the Fall.

J. L. Dillon, Bloomsburg, Pa., registers "Queen Louise," a strong grower, no grass, every shoot producing a flower; very strong stem, an early and continuous bloomer, pure white, fragrant, does not burst, and as large as Bradt.

ALBERT M. HERR, Secretary.
Lancaster, Pa.,

Next week, February 15 and 16, will be held in Buffalo, N. Y., the annual meeting and exhibition of this society, and the promise is that it will be the banner meeting of the association. No matter what the promise is, we want every one interested in carnations to try and attend this meeting. If we can get the attendance as near the 200 mark as we usually have it to the 100 mark, we can by another season easily procure from the railroad companies the rate and one-third usually enjoyed by societies of this kind; and after the attendance from outside points is once brought up to the 200 mark the attraction of the meetings and exhibitions will easily keep it up to that standard. All that is necessary to insure a regular attendant at these meetings is to get him there once, and something very serious will have to interfere if he is not back the next year.

Carnations being such a prominent feature with so many growers all over the country there is no reason why the membership of this society should not be five times its present enrollment. All that is needed to get it up to this point is the proper presentation of facts by the members in their various localities, and the bringing along to the meeting of a few of the stragglers.

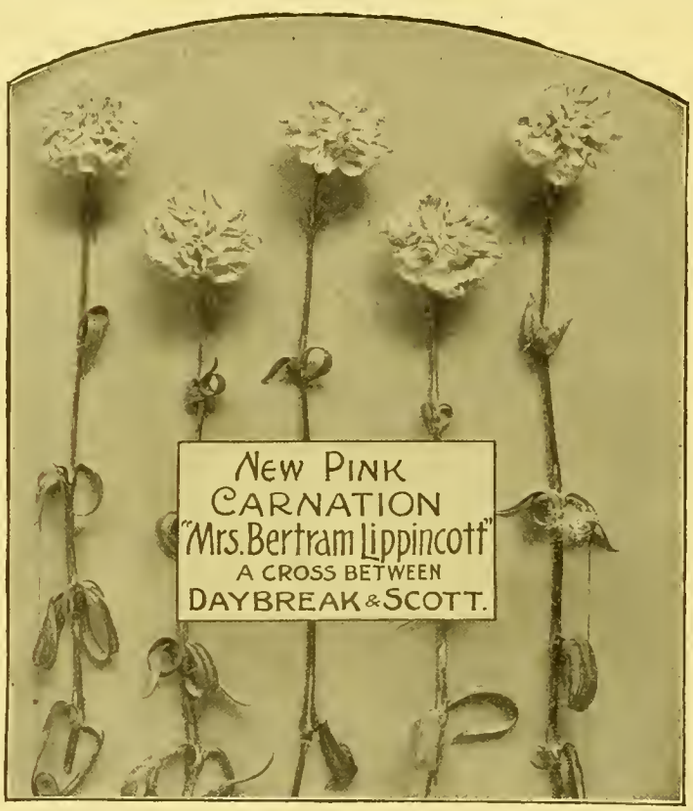
Retail men and commission men are quite as much interested in the wellfare of the carnation as are the growers, and should be well represented at these meetings to see that their end of the business receives proper attention. The silver cup offered by the society to the store men should bring out an exhibit worthy of the prize, and the Buffalo meeting will no doubt be the beginning of a new era along these lines.

It is too late now to get a premium list sent you for the meeting, but any grower who has an exhibit need not be deterred from bringing, or sending it along, and is assured that it will receive proper attention. Exhibits must be prepaid and addressed to Chas. H. Keitsch, 481 Washington street, Buffalo, N. Y.

The meetings will be held in the Genesee Hotel and the exhibition in a hall next door. ALBERT M. HERR, Secretary.

The carnation meeting in Buffalo will likely be attended by several Pittsburg growers, perhaps a party of six or eight will be gotten up. A few of our bowlers would like to meet the Buffalonians in a game. E. C. R.

The delegation from Detroit to the carnation meeting in Buffalo, will leave on the Wabash at 10:45 p. m., and we would like some of those who are to go to join us. RAG.



A club meeting was held at Buffalo on Tuesday evening and largely given to carnation convention subjects. All matters therewith showed progress as reported on by the various committees, and harmonious action is rife toward pleasing our visitors during their stay with us. The exhibition hall being engaged for three days, including Wednesday, early arriving blooms will be properly cared for. VIDI.

At the recent meeting of the Chicago Florists' Club on the question of attending the carnation society's coming meeting at Buffalo, Mr. Rudd suggested that an invitation be extended to all Western florists to join those going from Chicago by the Wabash Railroad, and that the Genesee Hotel be headquarters at Buffalo.

Quite a delegation will be in attendance at Buffalo. Those at present known are: W. N. Rudd, G. A. Garland, P. Reinberg, Henry Wietor, James Hartshorne, J. D. Thompson, O. P. Bassett or C. Washburn, G. L. Grant, J. C. Vaughan or J. S. Wilson.

SPRINGFIELD, MASS.—"If anything among the new carnations can beat our Joost I am anxious to see it," remarked Frank Burfitt, grower to Mark Aitken, upon my dilating upon the merits of the debutantes. "And here' is a seedling white which we think will attract attention later on." It is a beauty. Outcast is at home. Crane is near-by, but has not yet superseded it. The whole stock is in excellent order.

Solid Beds vs. Benches.

The method of growing roses and carnations in solid beds is one that should receive the serious consideration of every florist. A few years ago this plan was condemned by many, but I am glad to say that some of our larger florists are adopting the idea. Many a florist to-day knows that the keen competition now existing makes it a hard matter to make ends meet. The cost of new benches every few years is a very large item, leaving out the purchasing of new soil annually and the extra labor of refilling the beds.

Now the solid bed, if made properly, will last for years, the only thing required being a good coating of well-rotted manure. I am not an advocate of the so-called bone meal, as many disastrous results have arisen from its use. For roses I prefer cow manure, and for carnations, bone; that from a hotbed I have found to be highly satisfactory.

Now, a few words about making the solid beds: They may be made from 2 feet upward. I would not advise less. Care should be taken that no water lodges in the bottom, and if the situation be moist, a good lot of drainage, say 6 inches, should be placed evenly over it. This drainage may consist of stones or brick rubbish, over which should be placed a covering of sod, grass side down. This applies to roses and carnations alike. Then fill up with the proper compost. Some may demur at the trouble, but it should be borne in mind that the bed is not made for one or two years, but will last for several.

The idea that carnations need fresh soil each year has been exploded by many of our best carnation growers. All that is required is to dry out the bed thoroughly for a month before replanting, then fork the bed over thoroughly with a good coating of manure. Let me say here, that I have seen fine houses of carnations carried over for two years. These had been fed from time to time with liquid cow manure. Those having a house they would like to carry over can easily do so. Shade the house well with whitewash; keep on all the air possible night and day, and withhold water, giving only sufficient to keep the plants alive during the Summer. A good spraying twice a week will keep down red spider. At the end of August, or beginning of September, the beds should be well cleaned and the soil broken up. Liquid manure can be applied after the first watering.

With regard to carrying roses over for one or more years, I venture to say that if growers would only catch on to the very simple method, far more fine roses would be seen in our markets. Carrying over in benches is more difficult than in solid beds, from the fact that the roots of the plants are on the boards and are liable to dry out too much, unless great care is exercised; whereas in the solid beds the roots have gone down to the turf, are out of harm's way, and there is very little danger of their getting too dry.

Since writing the above I paid a visit to Ernst Asmus's fine place, and there saw a dozen or more houses of roses planted in solid beds, and the magnificent growth, foliage and flowers could not be surpassed. That grand new rose Liberty, too, occupied five houses, and was a revelation. The sides of the beds were made of brick, single thick, and presented a very neat and lasting appearance. I think any one who is at all sceptical, will conclude that the plan is worth a trial. H. YOUELL.

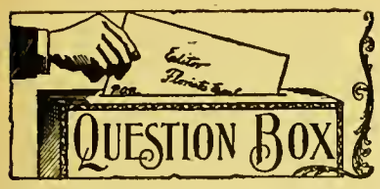
Rats.

Editor Florists' Exchange.

Replying to an inquiry in a recent issue of the FLORISTS' EXCHANGE, for a means of destroying rats in greenhouses, my experience is that a good cat will do the business. I used to think that a cat would destroy things in a greenhouse, but for the past eight years I have kept one in the houses, and if she is not allowed in the dwelling house, but made to stay around the stable and greenhouses, you will not be troubled with rats or mice, and will have no loss among the plants from the cat.

So much for the greenhouses. And now a little experience I had with rats in a store may come in here opportunely. A few years ago rats were so bad at my store that every carnation left at night was gone next morning, even in the show window, and finally the vermin made a way into the ice box. You may as well try to fill a sieve with water as try to kill off all the rats in a store with traps, and poisoned rats are pretty "loud;" so as a last resort I sent down a young cat, and in a short while, as soon as she got used to her surroundings, the rats disappeared, and I have not lost any flowers since. It must not be thought that all the rats were killed; they simply take lodgings somewhere else. I find the female cat most efficient, and would not give "Master Tom" room.

Kentucky. WM. WALKER.



(20) **Building a Violet House.**—Inclosed you will find two rough drawings of a small violet house. Please let me know if there is any advantage in one over the other. I shall have sunken walks through the middle, and solid beds for violets under the low part and chrysanthemums in the high part.—W. A. P.

—Plan No. 1 shows a three-quarter span house 9 feet wide, with its south slope formed of one row of 3x6 feet hotbed sash, and the north portion with a board roof. House No. 2 is 15½ feet wide with two rows of hotbed sash on the south slope, and a wooden roof on the north side. Of the two the wider house should give the best results, and besides it will afford nearly twice the available space, at a slightly increased outlay. A still better way of utilizing the hotbed sash for a violet house is to erect an even-span house about 10 feet wide, running north and south, and use the sash for covering the roof. When one has the means to erect such a house by far the best results can be obtained in one from 24 to 30 feet wide, with a roof of permanent sash bars. W. A. P. should send for "Commercial Violet Culture" before building a violet house.—L. R. T.

(21) **Geranium Cuttings Rotting in Sand Bed.**—My geranium cuttings rot off in the sand bed. Cuttings from outside beds do well all the Fall. Sand is washed and all right, I think.

Is it better to wet plants before smoking with tobacco?

—Either the geranium cuttings are taken from plants grown weak and soft or they are watered too much after they are put in the sand.

To the query regarding smoking, we suppose the inquirer means should the plants be syringed before fumigating. It is much better to have all the foliage dry when fumigating is done.

Double callas are not rare, neither can they be called very common. We see and hear of them occasionally, but they are looked upon more as monstrosities than as an improvement.

(22) **Growing Sweet Peas in the Greenhouse.** (A. T.)—For the treatment of sweet peas on benches, under glass, the benches should be filled with good new soil, using very little manure. Sow the seeds in drills across the bench 12 or 15 inches apart; fix a stake or wire at each end of the drill and run strings across to support the vines. Water well immediately after sowing, giving future waterings only when necessary. Keep a night temperature of 48 degrees only, with a raise of 10 degrees or so through the day. Syringing will not be necessary unless red spider appears, but this will not happen if the temperature is kept down. The time from sowing the seed to having flowers will be in the neighborhood of 14 weeks, according to varieties of peas and temperatures maintained.

(23) **To settle an argument** between two young men on the place will you please answer the following questions:

(1) What is the proper temperature for a rose house during the day? (2) During the night? (3) Carnation house during the day? (4) During the night? (5) Proper heat and arrangement for cutting bed for roses? (6) Carnation cutting bed?—A SUBSCRIBER.

—(1) Sixty-eight to 72 degrees, according to variety; (2) 58 degrees. Meteor, 8 or 10 higher; (3) 58 to 60 degrees; (4) 48 to 50 degrees; (5) three inches of sand kept at a temperature of 68 or 70 degrees. On a bench built over the pipes in a part of the house where the sun does not strike. (6) The same as No. 5, excepting that the sand may be from 5 to 8 degrees cooler.

(24) **Rooting Cuttings of Tea Roses.**—In rooting tea roses—Bride, Bridesmaid and Perle—if the cuttings drop their leaves, will they make as good plants as those that don't?—A. YOUNG FLORIST.

—If the cuttings referred to have good roots started, the dropping of the leaves will not materially affect them. In making rose cuttings but two or three single leaves should be left on, and these generally drop when new growth starts.

(25) **Rose Troubles.**—What is wrong with Bride and Bridesmaid roses? They produce small flowers, although making a good, strong stem and large foliage. They received a mulch of cow manure in October and again in January. I run the houses at from 55 to 58 degrees night, 66 to 70 on cloudy days, and 75 degrees when clear. The houses are old, low, and are glazed with small glass? Also what gives that delicate pink tint to the outside petals of the Bride?—ENQUIRER.

—The strong stem and large foliage seem so much at variance with the small flower that we think a better idea of the trouble could be given if some of the flowers were forwarded for inspection. The pink tint on the Bride is no doubt caused by a lack of light and sunshine.

I have some rose bushes of the following kinds in cold frames, put in in December: Perle, Hermosa, Maman Cochet, Marion Dingee and Wootton. I would like to bring them into bloom about the middle of April. Please tell me when to bring them in and about what heat and treatment to give them?—SUBSCRIBER.

—Put the roses into the greenhouse at once, in a temperature of about 48 degrees at night; syringe them every morning, but water rather sparingly until the growth starts. After they have started growing raise the night temperature gradually until 65 degrees is reached and water liberally. Keep the plants at 65 degrees at night until flowers are in sight. An occasional watering with liquid manure will help them after they are well started.

(26) **Bride Roses with Dark Deformed Center.**—The failure of Bride roses to come a clear white color or to form perfect flowers, can be attributed to several causes. If the glass of the roof is of small size, and the sash bars are heavy, a succession of cloudy days will sometimes cause it. Allowing the night temperature to go down too low, say, below 50 degrees, and then letting it run too high in the day time, through the want of proper ventilation, may also do it. Giving too strong or too frequent waterings with liquid manure during the short days of December and January will also contribute to the result complained of. We could tell better if we knew under what circumstances the plants were grown.

BRIEFS FOR BUSY FLORISTS.

TUBEROUS-ROOTED BEGONIAS should go in the pots now. In potting them avoid a soil that is heavy; half and half leaf mould and light loam with a good sprinkling of sand is an excellent compost for them. Pot firmly and leave the nose of the tuber just at the surface; give one good watering after they are potted, and stand them on a bench with a sand or gravel bottom. Keep them shaded and give no more water until growth has started.

GLOXINIA BULBS may be treated in a similar manner to the begonias, though a portion of the stock could be reserved and started a few weeks later, so as to give a succession of these prettiest of all Summer-flowering plants. If plenty of leaf mould is obtainable three-fourths of it may be used in mixing up the soil in which to pot the gloxinias. Pot firmly and do not use any fertilizer, either natural or artificial.

MIGNONETTE for early Summer use can now be sown, and where only a limited quantity is needed it can be handled the best by sowing in thumb pots, putting two or three seeds in each and pulling out all but the strongest one when sufficiently large enough. If necessary, however, the seed can be sown in flats, and, with care in handling, can be potted up afterward. But the plantlets must not be allowed to get more than two or three leaves before the potting is done, or they will go ahead very slowly. As mignonette roots are so easily killed after they have attained the thickness of an ordinary thread, they can hardly be potted off too soon after being large enough to handle.

CHRYSANTHEMUMS.—For specimen pot plants, the middle of this month is the best time to take cuttings. For plants for commercial and other purposes, cuttings need not be taken for some time yet, but in the meantime the stock plants need some attention. If kept in too warm a place, or, if they suffer for the want of water and the new growths become wilted, a decided weakening of cuttings will result and they will fail to make good, strong plants afterward. Keeping the old plants in as good shape as possible, until next season's stock is provided for, is the safest way to insure good, thrifty chrysanthemums.

Effect of Electric Light on Easter Lilies.

The florist will doubtless be interested to learn the results of recent experiments conducted by the writer with the electric arc light upon the growth and flowering of Easter lilies. The bulbs, mostly five to sevens, were potted in mid-October, removed to cold frames in late November, plunged in the solid bed in the greenhouse late in December, and the electric light started on the first of January. Up to this time the cultural conditions had been kept as uniform as possible, and the plants were divided up as evenly as could be judging from the development of the tops. At 5 o'clock in the afternoon the light, a globeless arc lamp, was started, and at 6 in the morning it was stopped. The bed was divided into three sections—one exposed to the full effect of the rays from the light, another still in the light but behind a pane of glass which cut out some of the ultra-violet rays, otherwise being the same as the first section; the third section was kept dark by means of an opaque curtain drawn across the house each evening when the light was turned on.



The Late John M. Jordan.
See page 135

At the time the light was turned on the plants were very uniform in each section, care having been taken to divide up the less uniform ones among the different sections. In about six weeks differences commenced to appear which became more pronounced as the experiment progressed. In the lighted sections the plants became leggy, the leaves very much curved, narrower than customary, a sallow green and far apart on the stems. Under the naked light these points were most noticeable. The plants in the darkened section were more stocky and robust, had a more pleasing appearance, better green color and seemed healthier and more evenly developed. After the formation of the blossom buds these differences seemed to increase less noticeably, but the buds on the plants in the naked light section began to develop an ugly brown streak or band from base to point upon the surface exposed to the light directly, generally the upper surface. This was of the nature of a burn and grew worse as flowering time drew near. The petals so afflicted were much curved, more than is usual with healthy blossoms. In some cases the stripes were a full quarter of an inch wide. In the second section, where the light had first passed through a pane of glass, no such effects were observed, and, of course, none in the darkened part of the house.

The effect upon the time of blossoming was also marked. The first flowers opened in the naked light, 4 days earlier than the earliest blooms in the second section and 13 days earlier than flowers in the darkened section. They lasted, upon the average, 9 days, those in the second section, 9½ days, in the third or darkened one, 11 days. These last, though later, were more robust, but somewhat smaller than the others, which, like the plants that bore them, were spindling, but, with the exception of the burned ones, not unsightly.

Fortunately for the experiment a plant with two remarkably evenly developed stems was found. This was placed so that the curtain could be drawn between the stems, thus shutting off the light from one of them. The other stem was in the second section under the light that came through the pane of glass. Another twin-stemmed plant almost as well developed as the one mentioned, was placed in the naked light section, and the larger of the stems covered each night with a large manila paper tube to keep it in the dark. In each of these cases the stem in the dark developed its flower a day later than the stem in the light.

Other plants of uniform development were selected from time to time, marked and placed in the different sections, with the results that those in the lighted sections were first to blossom, and that the plants under the naked light showed to a more or less degree the brown burn referred to above. Plants that were selected for this part of the experiment were carrying well-developed buds when removed to the lighted section. The ones under the strained light lasted as long, namely, 11 days, and were as well formed as the flowers grown in the dark. Moreover, they were from one to three days earlier.

From these experiments, which have not been conducted for a long enough period to warrant definite conclusions, it is advised that the use of the arc light, in bringing Easter lily buds into blossom, should be attempted upon only a small scale commercially until more fully investigated. From the above work it seems likely that the light might be used to advantage after the buds are an inch long, in order to make them expand sooner than they naturally would, but the light should always pass through a glass globe before reaching the plants. Probably an opalescent glass would be better than the one used in these experiments; this, however, has not been determined. M. G. KAINS.

Roses for a Penny-in-the-Slot.

A correspondent of La Nature describes in a recent number a new automatic distributing machine from which roses can be obtained. The idea originated in Germany, and the falling of ten pfennings insures the movement of a rose from its position behind a glass screen to a place where it can be reached and drawn out by the purchaser. The machine is stocked every day, or every alternate day, with fresh flowers placed on view in little tubes of water.

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HINTS and HELPS.

Fertilizing Primula Flowers.—Any extra good forms of Primula sinensis, or P. obconica, desirable on account of large flowers or color, should be set aside for seed. At this season of the year, when insects are scarce, fertilization will have to be done by hand, as it is rarely the case that a flower of primula is fertilized by its own pollen. For seed plants preference should be given to those having the pistil protruding from the corolla tube. It may be stated that primroses have two kinds of flowers, each kind on separate plants, one having what is called the style elongated until the stigma shows plainly from the mouth of the tube formed by the bases of the petals, while the stamens are attached near the bottom of this tube. In the other flower the positions of the organs are reversed, the style being shortened so that the stigma is more than half way down the tube; and the stamens are in full view near the mouth of the tube exactly in the position occupied by the stigma of the long-styled flower. The pollen of the primrose is ripe before the petals are expanded, but at this stage the stigma of the same flower is not in a condition to receive it. Those flowers having elongated styles are easiest to manipulate, and if I am not mistaken, they are the best seed bearers. Pollen, from either short or long-styled flowers, may be applied to the stigmas. When it is necessary to fertilize those with short styles it is, of course, impossible to get at the stigmas with a small brush, owing to the anthers filling the mouth of the corolla tube, but with a pair of small scissors the corolla tube may be snapped in two immediately below that part to which the stamens are attached, thus giving easy ingress to the stigma. Keep the atmosphere as dry as possible while the pollen is acting.

Fancy-Leaved Caladiums.—The first batch of these may be started about this time. Some of the dwarf growing varieties may be selected, such as Rossini, Dr. Lindley and Canærtii. These make well furnished plants quicker than some of the newer sorts with long Portuguese names. If the tubers must be started in pots, place a little screened moss on top of each tuber; this will force the roots to break out much quicker than when entirely in soil. It will be noticed that the roots of the caladium start out from the top of the tuber instead of at the bottom, so that the tuber must be planted much further down in the soil than we would put gloxinias or tuberous rooted begonias. The quickest and most satisfactory method of starting into growth is to place the tubers in boxes and cover to the depth of 2 inches or so with chopped moss, two parts, and sand one part, and when the roots are sufficiently advanced the tubers are put into pots according to their size.

Pennisetum longistylum, perhaps the finest of our dwarf grasses grown, principally on account of the very ornamental character of the flowers, is usually treated as a half hardy annual, owing to its liability to get Winter killed. It sometimes survives the Winter as far South as the District of Columbia, but it is always treated as a tender subject. Plants raised annually from seeds are satisfactory if sown early, but old plants, divided up, will give larger pieces, start into bloom earlier and do not take so much attention as seedlings. The old plants are wintered anywhere out of the reach of frost. They should be taken in hand now. Cut off the old foliage to within 6 inches of the crowns; divide into small pieces, trim the roots so that they will ultimately go into 3 or 4-inch pots, place the pieces thickly together in boxes of sandy soil, and keep in greenhouse or warm frame. Pot up as soon as the new roots have started. They may be removed to a cool frame long before the soft bedding material demands all the available room.

Plants in cold frames, especially those exposed to the sun for several hours each day, should get all the ventilation possible short of removing the sash. Even when we have freezing weather and the sun shining a little ventilation at the top will keep the temperature down and thus lessen the tendency of the plants to make long spindling shoots. Pansies, violas, moss pinks, dianthus, aubrietia and cerastium, besides hosts of other plants, are all liable to be unduly excited into a growth when the temperature is too high.

Caladium odoratum, or Colocasia odorata, is used much in the same manner for outdoor decoration in Summer as the well-known Colocasia esculenta. They are known from each other by C. odorata having thick fleshy stems above ground and the leaves pointing upward, or at least growing with the leaf blade horizontal, while that of esculenta has drooping leaf blades, and has no stem above ground. They are both wintered in the same way, that is, in a dormant condition, in a warm place, although C. odorata can easily be kept over Winter with the roots of the previous Summer preserved and the foliage green by storing the stems thickly together in boxes, keeping on the youngest leaves when lifted and storing them in a fairly warm house, giving water occasionally. Well furnished plants can be had quicker from the stems of this than from those of C. esculenta. The propagation of C. odorata should be attended to at this season. Cut up the long stems into pieces with a dormant eye to each piece, dust them over with powdered charcoal to prevent decay, and lay them in the sun to dry for a day or so; afterward put in moss, not too wet, in a warm frame, where they will sprout much in the same manner as stove alocasias. Pot as soon as the roots are sufficient in number.

Calceolarias and Cinerarias.—Some space will have been rendered vacant by this time by throwing out the old plants of stevia and eupatorium. This may be partly utilized by giving increased space to such plants as cineraria and calceolaria. If the bench is a consdierable distance from the glass, stand the plants on inverted pots so that they may be as near the light as possible. Both plants are particularly liable to aphides; these may be kept down by an occasional vaporizing. The cineraria and calceolaria should get abundance of air whenever the outside temperature will admit of it.

Dracæna Godseffiana was given a trial as a bedding plant last season, and the place for it, judging from the way the plants behaved, is a position partly shaded from strong sunshine, and where it can be watered when the soil gets at all dry. As a border for a bed of crotons it works in all right, but where exposed to the sun's rays the foliage is apt to get scalded, especially when the roots are in need of water. It grows freely and an abundance of shoots for propagating purposes are to be had from outdoor plants. It roots freely from every little twig when placed in sand with bottom heat.

Vase Plants.—Among those needed for centers Pandanus Veitchii and the numerous varieties of the grassy-leaved species of cordyline, such as C. australis and C. indivisa, are among the best. Last year's seedlings of the cordylines, if they have been liberally treated, will be large enough for the coming season for all ordinary purposes. They stand the hot sun well. Pandanus Veitchii colors well under full sunshine, but needs more water than the cordylines. P. Baptistii, of which much was expected as an outdoor Summer plant, is rather disappointing, as its foliage is too tender for exposed places. Other good things for vases and baskets, in the shape of flowering and trailing plants, are the three species of torenia, two purple and one yellow, besides the so-called white variety, and Maurandya Barclayana, all of which may be got under way from seed in a short time; Mesembryanthemum cordifolium, German ivy, all the trailing vincas and Abutilon vexillarium are indispensable. The variegated ground ivy will stand the sun well in exposed situations; it is dwarf growing and comes in handy for planting around the edges of vases and baskets, where its long hanging growths can be seen to advantage. Stock of it, kept in boxes under the cover of sash, should be cut up, and small pieces with roots attached placed in sandy soil in boxes, and either returned to the frame or brought into a cool house to be started into growth previous to potting.

Forcing Iris Into Bloom.—There is a variety of iris probably belonging to the Germanica section which blooms very early in the season—several weeks before the ordinary varieties of Germanica. The flowers are pure white and very large—by the way, resembling to a certain extent those of the new Iris Rosei, a species introduced lately from Mexico. The plant is quite common in cultivation, and it may not be generally known that it makes a very good subject for forcing. When the weather will permit it may be dug up in large clumps and put close together on a bench, with some well enriched soil between the clumps. G.W.O.



Vase of Daphne cneorum.

Hardy Spring Flowers.

It appears that dealers and growers alike have gradually come to the conclusion in late years that, as the public demand for perennial plants is so steadily increasing, it is in their own interest when they keep on hand a more or less varied assortment of the most popular species and varieties to supply the wants of their patrons. Collections of herbaceous plants are starting in many commercial places; with each year their number increases; older collections are made more complete by adding the rarer and newer species, and where a few years ago we had to rely on European growers for a supply of nearly all the rarer things, many, if not most of them, can now be procured in quantity from our leading growers at greatly reduced rates.

This revival of public interest in old-fashioned border plants could perhaps be traced back to the efforts of a few horticultural writers who were so persistent in keeping the subject agitated for years, yet my own humble opinion is that display of a few well kept beds of hardy Spring flowers in the front part of private grounds was a more important factor in the promotion of this public interest. The love for flowers of all kinds is quite universal, but doesn't it manifest itself more forcibly when the long, dull Winter months are behind us? The first Spring flowers are always welcomed with greater enthusiasm than the more gorgeous display of bloom coming on at later dates, the snowdrop, the scilla, the violet and primroses find such a kind reception because they are the prophets of the awakening of nature to new life, and a desire to surround our home with some of these harbingers of Spring is equally strong in the rich or the poor.

Bulbs of various kinds had been employed in Spring gardening, and in many places are they to the exclusion of everything else; beds of hardy Spring flowers were to a majority of people a distinctly new feature, a demand for them sprang up at once in the neighborhood where such beds had been seen, and it extended gradually along the line of the whole field of perennials. The plants which attracted the public eye at first and created the change in sentiment were not new introductions of recent years, but old, familiar subjects to most of us, though for years they had been neglected; and the private gardener has done more to bring them again to the front than the other members of the craft, in our opinion; his desire to change and vary the every-day style of bedding out has worked the revolution.

Some of the first creditable attempts in Spring display of this sort, which came under the writer's observation, were on an old rockery, some 15 or 20 years ago. I well remember the sheets of pink and white Phlox subulata, the ordinary varieties; the purple aubrietias, yellow Alyssum saxatile and a mass of white Iberis sempervirens, also Primula veris; but my recollection as to other subjects is blurred. Still, I know that nearly the whole of the large rockery was planted for Spring effect, and that it was a most complete success. We now have a vastly superior material to select from, not only for the rock garden but also for beds or borders. The plants may occupy their places either permanently or be removed when past their best, to make room for ordinary bedding stock if so desired; but Summer and Fall blooming subjects can easily be introduced among the Spring flowers, thus securing a successive display.

Of course, in introducing these plants we have to use our judgment in selecting the right thing for the right place, and not plant too closely. To name a complete collection of all desirable Spring flowering plants is not possible here, neither would all be suitable for planting in all positions, but a few which every dealer should keep on hand to supply his patrons, I will mention: Phlox subulata in variety, P. reptans, P. amæna, P. divaricata, primulas of several species and varieties, auriculas, Viola cucculata, V. cornuta, Caltha palustris fl. pl., hepaticas, myosotis, doronicums, epimediums, Alyssum saxatile, A. alpestre, A. argenteum, Arabis albida, several varieties of aubrietias, erysimum, Spring blooming anemones, uvularia, megasea, Mertensia virginica, Iris pumila, orobus, Polemonium reptans, æthionema of sorts, ajuga, aguilegias, the various evergreen iberis and armerias, dianthus of several species, Daphne cneorum, Lotus corniculatus, papavers, Centaurea montana, cerastium, helianthemum, corydalis and stellaria. All of these are profuse Spring bloomers and are in general demand, at home either in a rockery or in beds, intermixed or by themselves, excepting doronicums, uvularias, epimediums and anemones, which should be interspersed with plants of somewhat varied characteristics in foliage or bloom. All are easy to manage in ordinary soil; they bloom abundantly and some will last well into June, though they begin to flower in April or May.

The wealthy city residents, who flock to their Summer homes quite early in the season object to planting of beds in their yards, because no benefit is to be derived out of the ordinary bedding plants so early in the year, but we venture to say that a majority of them would be delighted with a bed or two of cheerful Spring flowers. It is not a very difficult task to persuade these people to invest a few dollars a year in such plants, especially when we are able to show sample beds actually growing and blooming profusely, as do the aubrietias, phloxes, iberis, arabis, alyssums, etc. The planting of these beds should be done early in Fall, thus allowing the plants ample time to establish themselves thoroughly before the approach of Winter, otherwise imperfect flowering and an uneven growth may result for the first season at least, unless the plants used have had preliminary special treatment to fit them for late planting, i.e., either by being potted up or by division and replanting during Summer. Sparsely rooted or newly divided stock should be avoided, if we desire a good show of bloom the following Spring.

DOUGLASS HILL.

Palm Prospects for 1900.

Business predictions are somewhat like the vest pocket voter in a political contest, in the fact that we cannot tell just how much strength is contained in them; but as there appears to be a generally optimistic feeling in business circles at the present time, there is reasonable ground for the poor florist to take courage also.

The reports of holiday trade throughout the country have an encouraging tone, and especially so for the plant growing section of the business, it being evident that the trade in plants of various kinds at the holiday season is advancing rapidly.

Much of this plant trade is naturally confined to flowering plants, and to those bearing ornamental fruits—for example ardisias, solanums and oranges; but a reasonable share of this trade also comes to the grower of foliage plants. The most important portion of the foliage plant trade being naturally confined to the palm section, on account of the adaptability of these plants for such use, has brought about a great increase in the quantities grown and sold each year, and with this increase in demand there has also been found an improvement in quality of the product.

The plant buying public is doubtless being educated, and the frequently indifferently grown stock of a few years ago would not command a ready market to-day, or at least would not do so in the neighborhood of our large cities.

But we would not be misunderstood in this matter as expressing the opinion that fine palms were not grown for the market in and about New York, and also in some other localities many years ago, for we have distinct recollections of the quality of stock grown by Bennett, Bush, Finn, Roehrs, Keller and some other well-known growers for a long series of years, and stock that in many instances would compare favorably with the first grades of to-day. But with the growth of the trade there has doubtless been a systematizing of culture, and a more careful attention to the details of production than was thought necessary in former times, and this care in small matters is gradually bringing about a more even grading of stock and resulting in a better average product.

Cull stock does not pay for the space it occupies, for while such stock may occasionally find a customer who will take it for cheap decorating work, yet the price given is far from a remunerative one, and it seems to be the wiser practice to promptly consign any unhealthy or imperfect plants to the rubbish heap.

First-class stock does not seem to have been in too great supply during the past season, there being no apparent surplus in ordinary trade sizes; and while it is always difficult to estimate probable stock of plants, owing to the great number of small growers, yet it would seem reasonable to look for a healthy demand during the coming season and to prepare for it accordingly. And from the fact that the prices of the most useful sizes of palms that are required for growing on have a bullish tendency in the European markets, it seems probable that importations will be proportionately less than in former years. The importing of plants is a rather uncertain matter at best, and includes many risks, among which are the uncertainties of quality, the possibilities of injury in transit, and the considerable additions to the first cost that arise from duties, packing, freight and other expenses.

It will be admitted that many of our European friends are experts at packing plants for export, but it will also be remembered that the cost of this expert work is charged to the buyer, and that the charge for packing alone is not an inconsiderable item on a large shipment. Possibly some time in the future this question of charging for packing may also come to the front among American dealers, for the Winter packing of tender plants in comparatively frost-proof packages frequently costs about 10 per cent. of the price of the goods, and the probabilities are that the price of lumber will continue to advance with the rapid reduction of the acreage of standing timber. But as the year 1900 may not mark any decisive steps in regard to the packing question, perhaps we had better return to our subject.

The kentias retain their great popularity—a popularity as deserved as it is widespread—and while it is less profitable to grow these useful palms in the form of compound or made-up plants than it is in the case of Areca lutescens, yet a considerable demand is found for plants of this character, from the fact that many plant buyers prefer a mass of foliage rather than one symmetrical single-stemmed plant. There is also some reason in this preference, too, for the compound plant may lose several leaves and still be quite a presentable specimen, while the single kentia becomes a sorry object when its lower leaves have been lost. Arecas do not seem to be over plentiful in fair-sized stock, and this palm being one of the few that may be grown much quicker and better here than on the continent of Europe, is not likely to be imported to any great extent, though always in fair demand. Latania seeds are so abundantly supplied and usually germinate so quickly and freely that a shortage of this useful palm is not likely to be felt, and though they are quite favorably offered on the other side, yet there are risks to be taken into consideration, both in quality of stock and in the marks of travel that may work to the advantage of the home grower.

Livistona rotundifolia has been more plentiful for a year or two, and it seems probable that but few of this palm will be imported this season, though meeting with quite a ready sale in small sizes especially.

Cocos Weddeliana has not brought a very profitable price of late, though used in vast numbers both by the retail-store florists and also by means of the catalogue trade, but will doubtless continue to be popular as the best dwarf, pinnate-leaved palm in the trade.

And in conclusion we may repeat that there seems to be a reasonably cheerful outlook for this portion of the trade, but the stock must be well grown to insure a fair profit in the face of a rapidly growing competition. W. H. TAPLIN.

[Mr. Taplin has touched on a point that has been, for some time, receiving the most serious consideration of our largest shippers of plants, viz., the advisability of charging for the cost of packing. This item in the aggregate, as he correctly intimates, is a heavy one in the course of a season, with the probability of this particular "white man's burden" being added to in the future. We should like to see a full discussion of the question, and invite those interested to favor us with their views.—ED.]

A Plea for the Rose.

It is to be presumed that most of the readers of the FLORISTS' EXCHANGE know that last March an attempt was made to organize the American Rose Society. Thirty or forty interested men met and went through the form of electing officers, adopting by-laws and a constitution, and further decided that two shows should be given in 1900—one in March, the other in June. These men so started this society, feeling that there is a necessity for a rose society devoted exclusively to the welfare of that flower. They further felt that they deserved the support, not nominal and subjective, but active and encouraging, of all who not only love the rose for the rose's sake, but especially of those who owe to that flower the foundation of whatever success they may have had in the florist business. Are they warranted in going on with this enterprise?

This is a question addressed directly to you as one for whom the rose has a special interest and claim. You are one who makes his living by either growing and wholesaling or by buying and retailing roses. It is no good to say that the rose is only a part of your stock, it always has been and always will be your one great standby. You have it, like the poor, always with you. No other flower is like it. The chrysanthemum is the flower of a day, it is showy but its perfume is not attractive; it has only color, form and size. The carnation is sweet, has color and form, but not size. Each has its own society, its own followers, its own advocates.

The rose has color, form, size, and fragrance; has been with us for years; the dear people buy it, want it, call for it, will have it; and it has heretofore had no adherents willing to devote time, money, energy and attention to its claims to improvement and advancement. (I am speaking only for America). Are you willing this state of affairs should continue? Do you want to desert this old, tried and true friend? Are you going to sit calmly down and permit the buyers to be refused roses, and be compelled to take some other flower instead, because you are too inert or careless of your own best interests to move at a critical time, to turn in and make a success of this society? I do not believe you are or can be so blind to your own advantage.

It is not the paltry sum for dues that will make a success of this society, but it is the encouragement of your names and your presence at the meetings and at the shows. If you want any one else to take an interest in your undertakings, you must show your own interest first. And this is what I want to impress upon you. You are in the florist business for success, not for amusement. You need to widen the scope of the business and do everything in your power to keep its lines from being contracted or limited. Has it ever struck you what an advantage it would be if you could double your sales of any one flower or plant? Then what greater good can you do your business than to make the rose so popular that two blooms may be sold, two plants put out, where now one is?

This can only be accomplished by your individual aid; uniting all the efforts of all at interest. Get at the public by bringing to their notice that you are working; and this you can best do through the channel of the American Rose Society. I beg of you to consider your own interests. This year the society will meet in New York. It will depend upon you where it meets, if ever again. Will you let it die or will you give it your support by your presence and by your exhibits?

BENJAMIN DORRANCE,
President American Rose Society



Ball Decoration by Hugh Graham in Horticultural Hall, Philadelphia, Pa.

The Hardiness of Victoria Regia.

Editor Florists' Exchange.

So the Kew authorities wouldn't make a new species out of V. Trickeri! Kew must be a conservative institution, and I guess one of their reasons for being so is that it would quickly spoil their reputation were they to cater to the wants of every individual who desires mere varieties and forms stamped with a Kew certificate as species. Does not Mr. Tricker spoil his chances of getting this plant recognized as a species when he says, p. 1206, December 2, that V. Trickeri is a variety, and further on in his communication disclaims specific honors for it? Mr. Tricker surely has forgotten having written the above, for on page 110, February 3 issue, he comes out strongly in favor of its being a species. When the Kew people refused to give this Victoria the desired recognition they missed a brilliant opportunity to do something extremely funny and out of the ordinary. They have never raised to specific rank a plant which had its origin in gardens, and it is to be hoped they never will.

Mr. Tricker refuses to uncover the mystery surrounding the origin of this water lily; he has a right to refuse of course, but his history of it is very defective in the light of its being claimed as a species. He says he got it from a foreign house; then why call it V. Trickeri without giving the foreign house credit? If he got the seed, did he not get it as V. regia or V. Randi? And if under another denomination, why not give due credit to the raiser? G. W. O.

FOUNDED IN 1888.

FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00.
Payable in advance. The date on the address label indicates when subscription expires.

CHANGES OF ADDRESS.

When notifying the publishers to send the paper to a new address, give both old and new addresses.

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Copy must reach this office not later than Thursday in order to secure insertion in issue of the following Saturday.
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ILLUSTRATIONS.

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Several interesting articles, among them an essay by John N. May, read before the Philadelphia Florists' Club, February 6, and one by Edwin Lonsdale on "Floriculture as a Profession" read before the Pennsylvania State Board of Agriculture, are unavoidably held over till a future issue.

SPRAYING FOR PROFIT.—This is a very useful pamphlet which the Deming Co., of Salem, O., is giving away with each spray pump of the firm's make. It contains hosts of information on the subject of spraying. A copy of the pamphlet may be had of the Deming Company on payment of 10c.

Firms Who Are Building.

DUNKIRK, N. Y.—Charles Secord and Mick Gage have added a new greenhouse.

ROCHESTER, N. Y.—S. A. Tuttle is at work rebuilding his greenhouse, which was recently destroyed by fire.

Reporting New Varieties.

Sometimes it seems a pity that the trade papers, and papers of this sort—the one I am now reading—are not more outspoken as to the faults of some of the newer carnations; and yet, when we see the occasional gross injustice done a variety by some one who has made a failure out of it, we are glad that condemnation is withheld in most cases—SECRETARY ALBERT M. HERR, American Carnation Society, before the Philadelphia Florists' Club.

We appreciate the point taken by Mr. Herr, and concede that conditions might be somewhat improved along the lines mentioned by him, although they have greatly changed from those of some years ago, when laudation only of new and old varieties permeated the comments thereon appearing in the trade press. The present issue of the FLORISTS' EXCHANGE is a good example of the mutation, for the better, along this line, and is only one of several that have gone before. There is no reason why the trade papers should be otherwise than "outspoken" in this matter; at least, those trade papers that are untrammeled, and the aim of which is to promote the general good, towards which a truthful account regarding any new plant surely tends. But a very great deal depends, as regards the expressions thus "outspoken," on the conditions under which they are uttered. As the Secretary rightly remarks, occasional gross injustice is done to a variety by outspoken statements, though these may arise from a desire to furnish the whole truth relative to that variety from the standpoint of the party disseminating the information; they may result from one's ignorance of the requirements of the new plant; indeed, may often be attributed to the fault of the grower and not of the variety.

As an initial step, much disappointment and regret would be obviated were the majority of growers of carnations to put themselves to the trouble to attend the various exhibitions of the Carnation Society, and judge for themselves of the qualities of the new kinds there shown; and should any "Doubting Thomas' thereafter exist, who questioned the other particulars vouchsafed by the exhibitors regarding such varieties, this dubiety can easily be swept away by a personal visit to the establishments where the stock is growing. In fact, it might be a profitable venture for clubs and other bodies to appoint expert delegates to the meetings for the purpose of securing just such information for the benefit of their respective members.

Upon reading reports regarding the behavior of new varieties, those interested should always have in mind, among other things, the source of information, the capabilities of the disseminator of the information, and his relationship to the variety either condemned or praised. Though the time has not yet come when we have ceased altogether to have faith in our fellowman, it may be here when some statements have to be accepted *cum grano salis*.

By all means give us "outspoken reports." It is only right that the bad points of a variety should receive the same publicity as its points of excellence, but let the statements made be truthful, unbiased, based on practical ability, and without ulterior motive other than the guidance and good of the general craft, or, in the words of Stevenson; "true to the fact, and with a good spirit in the treatment."

It should be borne in mind, however, that the introducer of a thoroughly tested variety, supplying good stock of same, cannot be held responsible for the incapability outside of his own domain; and unless "outspoken" adverse comments are general, they should not be accepted as indication of universal failure of any new variety. We believe greater justice would be done new kinds were adverse criticism confined to the simple statement that such and such sorts had failed to come up to their standard in the localities reported from; sweeping condemnation is misleading and harmful.

Perfection Reached?

In our contemporary we observe that W. N. Rudd assumes the rôle of "chief judge" for the Chicago judges in the matter of the awarding of 100 points to carnation Enquirer, and under the title of "Judge not, lest ye be judged" (which is evidently a Scriptural phrase misquoted, unfortunately), he endeavors to sum up in favor of the decision of the lower court, so to speak.

It has been generally understood that the American Carnation Society's scale apportions points to the various attributes possessed by the carnation flower of to-day, the whole going to form the ideal boom from the standpoint of the society, the advance made in certain directions necessitating the yearly amendment of the scale to meet the existing bettered conditions, real or fancied, the whole yet being confined within the limit of the 100 points, or the standard of perfection itself, as measured by the society's scale. The awarding of 100 points to a variety then, certainly either stagnates the whole carnation improvement, or demands a higher standard, represented by the scale.

Mr. Rudd believes it quite possible for a variety to score 100 points, yet that event he says must not necessarily be construed as indicating that perfection has been reached. Our only other deduction is that 100 points does not mean perfection; that a variety scoring this total can be superseded; in other words, that the society's scale means nothing in itself, as showing the points in an ideal carnation flower. What then does 100 points represent? Or of what particular value is the scale in measuring the nearness to perfection of a carnation? Or does it actually mean anything? If we are to advance beyond the standard reached by the carnation Enquirer, we have got to amend the scale to meet the improvement to be made, or to acknowledge the inutility of the scale as a guide in order to arrive at what constitutes the ideal carnation flower as viewed by the Carnation Society.

Mr. Rudd says of the Chicago judging: "It is fair to suppose that the judges had in mind the best pink variety of its shade, or nearest it, known to them, and after careful comparison found that Enquirer equalled or excelled it in color, size, form, stem, and all the other attributes on which points are awarded. From their standard they were perfectly justified in scoring the variety 100 points, this simply meaning that in all respects Enquirer is better than any other carnation of its color known to the judges." In other words, we are to believe that the total requirements of the national society's scale, as applicable to the whole country and to every carnation therein, has been fulfilled by a decision based on the circumscribed knowledge of a set of judges, their opinion being founded on what they alone are cognizant of, even although that knowledge may be limited. We hardly think the Carnation Society will accept such a construction of its scale—so very much depending upon the acquaintance of the judges with the highest standard previously reached under the scale by the carnation. The absurdity of the reasoning is at once apparent: For instance, in size No. 666 is admitted to be the largest so-called perfect carnation yet obtained; therefore, assuming the Chicago judges have not seen No. 666 they are justified in awarding the limit of points for size in the scale to a variety that in size falls short of a larger one. How many points for size will No. 666 be worth then when these same judges do see it? Supposing they give it the limit, would No. 666 not suffer, in the points given to that attribute, being larger than a variety already awarded a similar honor?

It seems to us that we can simply take the award in question as a Chicago one, which may either mean a great deal, or nothing, according to what has come under the personal scrutiny of the Chicago judges. We would be equally justified in applying the same rule to any other district, outside of Chicago, where judges of carnations had seen nothing better than Grace Wilder, and awarded 100 points to some new kind which was an improvement on "any other variety of its color known to the judges."

But how much value would be placed on an award made under such circumstances. This would certainly be limiting the value of carnations by the knowledge of the judges, and setting aside entirely the application of the scale, as, we think, it was intended to be applied.

The discussion is timely, however, and as Mr. Rudd suggests, should be "thrashed out." If the scale of the American Carnation Society is not a uniform standard to judge by (we had always supposed it was), let some other standard be set; and, too, if it be impossible to judge every color of carnation correctly by that standard, set up one for each color found in the flower.

It seems to us that some sort of classification of American carnations has now become an absolute necessity, either by color, by form, both, or otherwise. To know the best in its class would be of great assistance in judging, and simplify the task of discovering the actual advancement made each year. To arrive at what is the *most perfect* carnation by scales, and such like, would, in the light of present developments, seem impossible, and to scale one color in comparison with another, as, for instance, pink with yellow, seems also impracticable, and something not to be undertaken by any body of rational beings.

It is evident though, that the scale does not aim at *perfection*, or we should see the fragrance of the carnation better treated under it. After reading Mr. Rudd's remarks it would appear difficult to know exactly what the scale really does aim at.

Soda and Potash.

As bearing on the subject lately discussed in these columns, the following extract from a recent bulletin (18, Department of Agriculture, Division of Vegetable Physiology and Pathology), written by Dr. Loew, of that division, on "The Physiological Rôle of Mineral Nutrients," may prove interesting. Dr. Loew says, regarding the physiological rôle of alkali salts:

"The paramount importance of potassium salts for every living cell is firmly established. In green plants they are concerned not only in the synthesis of carbohydrates, but also in that of the protein bodies, since not only is there an increase of potassium salts in such parts of green plants as are devolping rapidly and consequently forming large amounts of protein, but most fungi, even in the presence of such a favorable nutrient as sugar, are found to require potassium salts for the production of protein. These salts can never be replaced by lithium or sodium salts, but in certain fungi they may be replaced to a limited extent by rubidium or cæsium salts.

"It is a well-known fact that plants cultivated in the presence of more sodium than potassium salts will nevertheless absorb a greater quantity of the latter than of the former, and some plants grown on soil very rich in potassium salts will absorb almost no soda. The amount of potassa annually required per hectare of pine forest is about 7.5 kilos; of wheat field, 37.5 kilos; of clover field, 102 kilos, and of potato field, 125 kilos. Other things being equal, an increase of potassa will increase to a certain degree the percentage of carbohydrates, and further, potassa is reported to be present in larger proportions in those parts in which the carbohydrates are transported, as in the parenchyma of the bark and pith.

"Secondary potassium phosphate possibly forms loose combinations with proteins more easily than does sodium phosphate, since an increase of potassium phosphate is generally accompanied by an increase of proteins, as in the seeds. Pollen grains also seem to be rich in this salt; at least Ramann found that of the ash in the pine pollen 50.74 per cent. was potassa and 30.08 per cent. phosphoric acid. Seeds always contain much more potassium phosphate than sodium phosphate, while on the other hand the proportion of soda to potassa in form of other salts than phosphates is often found to be larger in the leaves and roots.

"In some cases the amount of soda found in the leaves exceeds even that of potassa. Wolff's tables give for the leaf of Daucus carota a total ash content of 13.53 per cent. for the dry matter, and for 100 parts of this ash 19.83 parts soda, but only 11.26 parts of potassa. The occasionally rather large soda content in the leaves is due to the current of transpiration, containing sodium salts among other things."

Touching on the beneficial action of sodium salts he states:

"The fact that many kinds of plants have been raised to perfection in the absence of sodium salts proves that the latter have no indispensable function to perform in plant life. Stahl-Schroeder recently inferred from his experiments what others also had already observed, that is, that sodium cannot perform the

special part of the functions of potassium which relates to the preparation of organic substances in plants. Nevertheless, sodium salts may sometimes exert a beneficial action, and several observers ascribe to them a promoting action in the ripening process of the Gramineæ. Wagner and Wolff have each reported favorably on the application of sodium salts, pointing out that as regards osmotic and neutralizing functions a replacement of potassium by sodium compounds is quite possible which is of practical value since the sodium salts are much cheaper than the potassium salts. In a recent article Bassonville pointed out the beneficial action of sodium salts upon wheat. However, further control experiments along this line will be necessary."

Post Your Representatives.

In view of the increasing number of legislative measures, both national and state, affecting seed, florist and nursery interests, those engaged in these industries should lose no opportunity of keeping their respective representatives posted on the merits, or otherwise, of the legislation about to be sought or enacted. With a full knowledge of the situation a more intelligent consideration can be given such matters by our law-makers. This is a point that seems to be well attended to by our brethren in Great Britain. The seed trade there has lately been inconvenienced, relative to the sale of poisonous insecticides, the Pharmaceutical Society claiming that all persons handling these substances should qualify as chemists. At a meeting of his constituents the Lord Advocate, Q.C., M. P., was asked by a seedsman if he would be prepared to support a bill in Parliament making it legal for seedsmen and other agents to sell poisonous preparations, such as insecticides, weed killers, etc. The Lord Advocate replied that where poisonous substances were dealt with in the way of being dispensed it was quite right that this should only be allowed to be done by qualified persons. But in his view, where they did not need to be dispensed, and were supplied by the manufacturer in the final form in which they were to be applied, he did not see that a trade or profession should have a monopoly of selling them, provided proper regulations were made and precautions taken that they would not be supplied or used for any other purpose than those for which they were meant. Coming from a member of the Government the statement is considered a very important one.

Cut Flower Prices.

The very interesting communication and table, from a New York cut flower commission house, relative to this matter, appearing elsewhere in this issue, impresses one more than ever of the necessity of some radical change in the system of classification, or grading, of cut flowers sold on commission. One feature of the subject, and a very misleading one, so far as the grower is concerned, is, as our correspondents put it, "the fact remains an extra is an extra, and so forth to the end." Just why, after a certain standard has been set for "extra," anything coming short of that standard, in any item that goes to make up the requirements of that particular grade, should still be classed as an extra, is difficult of comprehension. For instance, the house in question received on the same day "extra" Bride from two separate consignors. One set of "extras" fetched 15c. and another 8c. This appears anomalous; and is certainly very misleading. The grower receiving the 8c. is still kept under the belief that his flowers are "extras," and no wonder he is astonished when other extras are reported as bringing double what was realized for his. Why should there be different grades of an extra grade anyhow?

It would also appear that the grower, whose grading is more often than not accepted, is guided by the length of stem more than anything else in his classification; and that the required length of stem for a certain grade entitles the bloom to recognition in that grade, although certain modifications regarding the flower itself, such as size, cleanness of foliage, color, etc., enter into the case.

It appears to us a reform in the system of grading, whereby flowers worthy of the name of "extra," on account of their meeting the requirements of that grade, could be kept apart from those falling short of it, is greatly desired, and so on through the whole scale. This would help not only the grower, but also the commission man himself. To have different grades of one grade is apt to create trouble, and certainly does beget dissatisfaction.

BOOKS RECEIVED.

IRRIGATION AND DRAINAGE. By F. H. King, Professor of Agricultural Physics in the University of Wisconsin. Publishers, the Macmillan Company, 66 Fifth Avenue, New York. Price $1.50. This is the latest addition to the very useful Rural Science Series now being published by this well-known house, under the editorship of Professor Bailey. The author points out in his Preface to the work, that "the effort is made to present in a broad, yet specific way, the fundamental principles which underlie the methods of culture by irrigation and drainage, and the aim has been to deal with those relations of water to soils and to plants which must be grasped in order to permit a rational practice of applying, removing or conserving soil moisture in crop production." The book will be found an admirable companion to "The Soil," also written by Professor King, and forms a most valuable aid to a fuller knowledge of the functions and the conservation of that all-important factor in plant growth—water—the importance of which may be gleaned from the author's statement that "as a matter of fact, water does contribute more than half of the materials which make up the dry matter of plants, and, as water, it constitutes from three-fourths to more than nine-tenths of their green weight."

Of special interest to our readers are the chapters on orchard irrigation, small fruit irrigation, garden irrigation, irrigation of lawns and parks, and subirrigation (field).

The book, which contains many serviceable illustrations, can be obtained from the FLORISTS' EXCHANGE, at the price quoted above—$1.50.

OBITUARY.

John M. Jordan.

John M. Jordan, a well-known St. Louis florist, died at his home February 4, after a lingering illness. Mr. Jordan was born in Vermont 71 years ago. His early life was spent on a farm. He began to maintain himself by his own efforts at the age of 12 years, spending some time under Francis Brill, of Astoria, L. I. He went to St. Louis, in 1859, as agent for F. K. Phoenix, of Bloomington Nurseries, Ill., in which position he remained for several years, afterward buying out the leasehold of Matthew W. Dick, brother of John Dick, of Philadelphia, whose florist business he continued. Mr. Jordan also went into the nursery trade quite extensively, but later paid more attention to the florist branch, soon building up a large and lucrative business. He opened and operated the second flower store in St. Louis, and for a period of about twenty years enjoyed the best patronage the city afforded. At one time he was at the head of the largest cut flower growing establishment in the West.

Mr. Jordan was a strong anti-slavery man, and once compelled a street-car conductor, at the point of a pistol, to permit a colored woman to ride inside the car. This was against the law in those days, and the act made him popular with the German element, which elected him alderman, in which capacity he served a term or two. He was a prominent man about town, was fifth president of the S. A. F., and president of the Florists' Hail Association, in both of which bodies he took great interest. His thorough acquaintance with parliamentary law made him an exemplary presiding officer. He was a member of several orders, including the Masons, under whose auspices he was buried on the 7th inst. C. C. S.

FIRES.

DETROIT, MICH.—The greenhouses of F. Kolbe, of Woodmere, were destroyed by fire, January 31, and all stock not lost by fire was frozen, entailing a loss of $2,000, which is a severe blow to Mr. Kolbe, as he had but just started last June, and by hard work had filled the plant with fine stock. The fire is supposed to have started from the connecting smoke pipe between the boiler and smoke stack, as it was an old one and full of holes.—G. A. R.

MASSILLON, O.—A fire in the greenhouses of J. J. Bowers, January 31, did considerable damage. The east half of one 100-foot house was almost destroyed. Fortunately, plants had been removed from this portion but the day before.

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Alternanthera, 4 varieties	"	1 50
Feverfew, Yellow Foliage	"	1 50
Feverfew, Little Gem	"	1 50
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Mention the Florists' Exchange when writing.

ROOTED CARNATIONS CUTTINGS

WHITE CLOUD and FRANCES JOOST, $2.25 per 100; $20.00 per 1000.

DAYBREAK, SCOTT, } Fine Healthy Stock, $1.25 per 100; $10.00 per 1000.

H. WESTON & BRO., Hempstead, L. I., N.Y.

Mention the Florists' Exchange when writing.

CARNATIONS

Rooted cuttings now ready of the following kinds: FLORA HILL, $1.25 per 100. WHITE CLOUD, $2.50 per 100. JOHN YOUNG, $2.00 per 100. TRIUMPH, $2.00 per 100. DAYBREAK, $1.25 per 100. JUBILEE, $2.00 per 100. ELDORADO, $2.00 per 100. EVELINA, WM. SCOTT, LIZZIE McGOWAN, and NIVEA, each, $1.00 per 100.

S. LITTLEFIELD, North Abington, Mass.

Mention the Florists' Exchange when writing.

100,000 Well Rooted... Carnation Cuttings

Strictly first-class stock, from our own greenhouses.

Wm. Scott, Edith Foster, Daybreak, Freedom, McGowan, Wellesley, Robin Hood, Zampa, Niven, Alba Superba, $1.00 per 100.

Mrs. Frances Joost.....$2.50 per 100.

Flora Hill.....$1.50 per 100

Special prices on large lots, or on orders booked now for future delivery from sand or soil.

N. F. McCARTHY & CO., Boston, Mass.

84 Hawley Street.

Mention the Florists' Exchange when writing.

CARNATIONS

Daybreak, $2.00 per 100; $15.00 per 1000.

Wm. Scott, Genesee, Evelina, Portia and **Hon Tom,** $1.50 per 100; $10.00 per 1000.

Victor, $1 50 per 100; $12.00 per 1000.

Alma, Rose Pink, new, $5.00 per 100; $40.00 per 1000.

F. Hill, $1.75 per 100; $15.00 per 1000.

White Cloud, $2.50 per 100; $20 per 1000.

Jubilee, $2.00 per 100; $15.00 per 1000.

FERNS FOR DISHES.

Strong, 2 and 2½ in., $3 per 100; $27.50 per 1000.

Maranta Massangeana (will sell your fern dishes), $5.00 per 100; $40.00 per 1000.

C. MERKEL & SON, Mentor, Ohio

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS

Now ready of all the leading varieties.

All stock guaranteed A1.

If not satisfactory, money refunded.

CHICAGO CARNATION CO.,

Greenhouses and Address, JOLIET, ILLS.

Mention the Florists' Exchange when writing

CARNATION CUTTINGS.

We are booking orders for Lawson, Olympia, Marquis, Ethel Crocker and Genevieve Lord at introducers prices. List of standard varieties ready now. Send at once for an estimate on your order.

WM. MURPHY,

Sta. F., Cincinnati, Ohio.

Mention the Florists' Exchange when writing

Carnation Cuttings

40,000 CLEAN, STRONG-ROOTED CUTTINGS

G. H. Crane, General Maceo, $5.00 per 100, $45.00 per 1000.

General Gomez, Gov. Griggs, Mrs. G. Bradt, $4.00 per 100, $35.00 per 1000.

White Cloud, Gold Nugget, Mrs. Frances Joost, New York, Mrs. James Dean, $3.00 per 100, $20.00 per 1000.

Lizzie McGowan, Daybreak, Wm. Scott, E. Pierson, $1 00 per 100, $9.00 per 1000.

Cash with order, please.

A. NELSON, Notch Road, Paterson, N. J.

P. O. Box 1450.

Mention the Florists' Exchange when writing

ROOTED

CARNATION CUTTINGS.

	Per 100	Per 1000
ETHEL CROCKER	$10 00	
AMERICA	5 00	$40 00
G. H. CRANE	6 00	50 00
FLORA HILL	1 50	10 00
WHITE CLOUD	3 50	30 00
MRS. JOOST	2 50	20 00
DAYBREAK	1 50	10 00
VICTOR	1 50	12 50
BRADT	5 00	40 00

GRAFTED ROSES

LIMITED STOCK.

H. F. LITTLEFIELD, Worcester, Mass.

Mention the Florists' Exchange when writing

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing

NEW CROP **WINTER-BLOOMING**

Carnation Seeds!

Hand Fertilized, 25c. per 100. Cash with order.

AMERICAN ROSE CO., Washington, D.C.

Mention the Florists' Exchange when writing

Carnation Cuttings.

	Per 100	Per 1000
MRS. LAWSON	$14.00	$120.00
G. H. CRANE	5.00	
AMERICA	5 00	40 00
MELBA	4.00	30.00
LESLIE PAUL	4.00	30.00
GOV. GRIGGS	4.00	30 00
MRS BRADT	4.00	35.00
FRANCES JOOST	2.50	20.00
EVANSTON	2.50	20.00
JUBILEE	2.50	20 00
VICTOR	2.00	15.00
WHITE CLOUD	2.50	20.00
FLORA HILL	2.00	15.00
GOLD NUGGET	2.00	15.00
TRIUMPH	2 00	15.00
DAYBREAK	1.25	10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10 00
LIZZIE McGOWAN	1.00	7.50
EVELINA	1.00	7.50
MAYOR PINGREE	1.00	7.50
WM. SCOTT	1.00	7.50
NIVEA	1.00	7 50
MORELLO	1.00	7.50

Rose Cuttings.

METEOR	$1.50 per 100
BRIDESMAID	1 50 "
PERLE	1.50 "
BRIDE	1.50 "
GOLDEN GATE	2.50 "

Write for prices on large lots.

All plants and cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded. Write for prices on larger lots.

PETER REINBERG, 51 Wabash Ave., Chicago.

Mention the Florists' Exchange when writing.

CARNATIONS

Large Stock of Strong Rooted Cuttings Now Ready.

G. H. CRANE, MORNING GLORY, MACEO, GLACIER, GOMEZ, AMERICA, RED MRS. BRADT (or Chicago), MARY WOOD and other good standard sorts.

MRS. GEO. M. BRADT for March delivery—all the early stock sold.

FIVE 1900 NOVELTIES.

MRS. THOS. LAWSON, ETHEL CROCKER, THE MARQUIS, OLYMPIA and GENEVIEVE LORD. At introductory prices.

We make a Specialty of Rooted Cuttings, and have three houses of stock growing for that purpose only.

Send for Descriptive Price List.

F. DORNER & SONS CO.,

LAFAYETTE, IND.

Mention the Florists' Exchange when writing.

A GRAND RECORD

Genevieve Lord

STANDS at the head of the list of light pink carnations. It is undefeated in its class. A commercial triumph, combining fine exhibition qualities. With its grand length and stiffness of stem, beautiful large flowers, grand color, general good habit, productiveness, etc., it cannot fail to win for itself a place in the front rank of the greatest money makers of to-day.

We will not over-propagate it; as soon as limit of healthy production is reached, our order book will be closed. Book is now open. All orders filled in rotation; bear in mind the importance of this fact. Send for complete description.

Price, $75 per 1000; $10 per 100; $2 per dozen.

Please Note: Stock for delivery prior to March 15th, all sold. Are now booking orders for that date and later.
Stock is going fast, don't delay.

We can also furnish first delivery, the following varieties, at introducers' prices: **Olympia, Mrs. Thos. W. Lawson, The Marquis, Ethel Crocker, Jas. Whitcomb Riley, Chicago** and **Estelle.**

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing

THE NEW PINK CARNATION

MRS. "BERTRAM LIPPINCOTT"

(Originated and grown for the past four years by John Kuhn, Philadelphia, Pa.)

THE mere fact that this variety is a cross between "Daybreak" and "Scott" is a sufficient guarantee and should recommend it to every grower throughout the land as the **only** carnation that will be sure to yield good returns. Its pedigree, however, though much in its favor, is by no means its strongest point or recommendation. **"Mrs. Bertram Lippincott" is possessed of many good points** of its **own** and is being introduced upon **its own merits.** The meritorious points in its favor are:

FORM. The very acme of perfection. Full, well rounded, and double, with a calyx that never bursts.

COLOR. A soft, rich pink, a shade darker than Daybreak—a color that "takes" or sells at sight.

SIZE. 3 to 3¼ in. in ordinary soil—with chemical fertilizers this size can still be increased.

STEM. Of the Daybreak type, averaging from 2 to 2½ feet.

HABIT. Exceptionally strong and healthy. Has never been known to be a victim to rust or any other disease.

KEEPING QUALITIES. No other carnation can surpass it in this respect.

ITS STRONGEST POINT. It crops from the time it is housed until it is thrown out. No "between seasons," no "let up." In a word, it is the carnation you want to grow.

PRICES: $2.00 per doz.; 25 for $3.00; $10.00 per 100; $75.00 per 1000. 250 and over at 1000 rates.

STOCK READY NOW.

We control the whole stock of this valuable carnation. Orders will be filled in strict rotation as booked. Would be pleased to book your order.

Please look for exhibit of CUT BLOOMS at the Buffalo Carnation Show, February 15th and 16th.

Seeds, Bulbs, Plants, Etc.

Send for our Wholesale Catalogue of SEEDS, BULBS and SUPPLIES.

HENRY F. MICHELL, Philadelphia, Pa.

HENRY F MICHELL. 1018 Market Street. FRED J. MICHELL.

Rooted Cuttings of Carnations

NOW READY

Jubilee, White Cloud, New York, and all standard varieties. Write for prices.

VIOLETS Orders booked now for rooted cuttings. If you want the best stock obtainable give us your order now for April delivery and you will get the best.

CRABB & HUNTER, Grand Rapids, Mich.

20,000 Wm. Scott CARNATION CUTTINGS

Must be sold to make room, at $6.00 per 1000 or 4000 for $20.00 **Mrs. Joost,** $2.50 per 100, $20.00 per 1000. **Meiba,** $3.00 per 100, $25.00 per 1000. **Flora Hill, Victor, Daybrenk,** $1.25 per 100, $10.00 per 1000. **Mayor Pingree,** $1.00 per 100, $7.00 per 1000.

DOUBLE PETUNIA Strong plants, in 3 in. pots, $3.00 per 100.

GERANIUMS Mixed, 3 inch pots, $3.00 per 100.

Cash with order.

CARL E. TAUBE, Trenton, N. J.
MERCER FLORAL CO.

Ethel Crocker

Absolutely the best Pink CARNATION ever offered the Trade. . . . . .

A fact fully borne out by its record, being equally good with Craig, Hill, and myself. (An assurance that it is not a success in one soil and a failure in another.) By its having been shown at the Flower Shows and Clubs since early in September. (An assurance that it is not a good late carnation, but an all season variety.)

In color, size, fragrance and stem it is just what the "storemen" want.

In habit, constitution and freedom of bloom, it is just what the grower wants. It produces more flowers to the square foot than any other known variety, and is never out of crop from September to July.

With 18,000 stock plants to work from there is no danger of it being over-propagated, and all orders intrusted to me will be filled with cuttings selected from the plants and the order filled by myself, thus doubly assuring good stock.

Honest sample blooms furnished, prepaid, at $1.00 per dozen. Amount deducted from all orders for 100 or over. Up to date, every sample excepting one out of several hundred sent, has brought an order.

PRICE—Per 100, $10.00; per 25, $2.50; per 1000, $75.00; per 250, $18.75.

☞ **PRICE LIST FOR STANDARD VARIETIES READY NOW.**

HERR'S PANSIES—Good little plants at 75 cts. per 100; $4 00 per 1000.

ALBERT M. HERR, - - Lancaster, Pa.

Mention the Florists' Exchange when writing

CARNATION CUTTINGS

Strong, healthy, well rooted cuttings, from sand or soil, for immediate or future delivery.

F. Joost, Genesee, Bon Ton, $2.00 per 100; $15.00 per 1000.

Freedom, Victor, Empress, Daybreak, $1.25 per 100; $10.00 per 1000. Cash with order.

C. F. FAIRFIELD, Mgr., Springfield, Mass.

Mention the Florists' Exchange when writing

CARNATIONS.

Mrs. Thos W. Lawson, pink	$14 00	Gomez, dark red	$5.00
Ethel Crocker, pink	10 00	Mrs. F. Joost, pink	2.50
The Marquis, pink	10.00	Triumph, fine pink	1.50
Genevieve Lord, pink	10.00	Daybreak, shell pink	1.00
Olympia, variegated	12.00	Flora Hill, white	2.00
G. H. Crane, scarlet	5.50	White Cloud	3.50
America, scarlet	4.00	Mary Wood, fine white	3.00
Meiba, light pink	3.50	Jubilee, scarlet	1 50
Mrs. G. Bradt, var.	5 00	Wm. Scott, pink	1.00
Glacier, white, fine	4.00	Lizzie McGowan	1.00
Gen. Maceo, best crimson			$5.00 per 100
Mrs. Jas. Pean, fine pink			3 00 per 100
Nephrolepis, Cordata Compacta, 2½ inch, $1.00 per 100; 8 and 10 inch, fine, $12.00 per doz			

Cash, please. **CARL HAGENBURGER, West Mentor, O.**

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000		Per 100	Per 1000
Mrs. Lawson	$14 00	$120 00	Flora Hill	$1 25	$10 00
G. H. Crane	5 00		Daybreak	1 25	10 00
America	5 00	40 00	Argyle	1 25	10 00
Mrs. Bradt	4 00		Armazindy	1 25	10 00
White Cloud	2 50	20 00	Lizzie McGowan	1 00	7 50
Frances Joost	2 50	20 00	Evelena	1 00	7 50
Triumph	2 50	20 00	Mayor Pingree	1 00	7 50
Evanston	2 50	20 00	Painted Lady	1 00	7 50
Jubilee	2 00	15 00	W. Scott	1 00	7 50
Gold Nugget	2 00	15 00	Tidal Wave	1 00	7 50
Mrs. McBurney	2 00	15 00	Morella	1 00	7 50

ROSES.

	Per 100	Per 1000		Per 100	Per 1000
American Beauty	$3 00	$25 00	Meteor	$1 50	$12 50
La France	2 00	17 50	Bride	1 50	12 50
Perle	1 50	13 50	Bridesmaid	1 50	12 50

Stock to be first class and to be sold under the conditions that they shall be returned immediately if not satisfactory. Address

GEORGE REINBERG,

Mention this paper. 51 Wabash Avenue, CHICAGO, ILL.

BASSETT & WASHBURN,

76 and 78 Wabash Ave., CHICAGO, ILL.

ROOTED CUTTINGS, ROSES AND CARNATIONS.

Get new blood in your Roses and secure what you want from grafted stock. Our cuttings this year are made from grafted plants and none but the best wood will be used.

BRIDES, Per 100, $1.50. BRIDESMAIDS, Per 100, $1.50. METEORS, Per 100, $1.50

CARNATIONS.

	Per 100	Per 1000
WHITE		
Flora Hill	$1.50	$10.00
Mary Wood	2.50	20.00
White Cloud	2.50	20.00
PINK		
Triumph	$2.50	$20.00
Frances Joost	2.50	20.00
Daybreak	1.50	10.00
DEEP PINK		
Leslie Paul	$5.00	$45.00
Cerise Queen	2.50	20.00
Painted Lady	2 50	20.00
YELLOW. Gold Nugget	$2.50	$20.00

STRIPED WHITE and RED	Per 100	Per 1000
Mrs. Bradt	$5.00	$40.00
Psyche	1.50	10.00
Armaziody	1.50	10.00
RED		
Red Mrs. Bradt	$10.00	$75.00
Jubilee	2.00	15.00
America	5.00	45.00
G. H. Crane	5.00	45.00
MAROON. Empress	$2.50	$20.00

BASSETT & WASHBURN, 76 and 78 Wabash Ave., CHICAGO

Mention the Florists' Exchange when writing.



Insertion will be given in this column to all communications free from animus, but the opinions expressed do not necessarily reflect our own.

Cut Flower Prices.

Editor Florists' Exchange.

We read with interest Mr. Thorne's letter of protest as to your market quotations, in your issue of January 27, and think that it would be adding very considerably to the already difficult task of the commission salesman, to satisfy his shippers, if you were to publish (as Mr. Thorne advocates) the very top price for the very best goods, sold perhaps under favorable and exceptional circumstances. All salesmen know that there are few growers who ship such goods in such quantities, that enable them to keep their best buyers regularly supplied with the article that their trade requires, and thus command the best prices, and that most growers think their flowers are as good as the next; and when they read of prices far above that which their salesman is returning, then there is tronble, and nothing will convince them that they are being fairly dealt with.

If one of our shippers were to write you in the same strain as Mr. Thorne has done he could claim 20c. for fancy and 15c. for extra Bride and Bridesmaid for January 4; and 15c. for fancy and 14c. for extra for January 5 and 6, but he cannot get within 1c. and 1½c. on No. 1, and 1c. on No. 2 stock. So far as your reporter being in any way slipshod in his methods, we can bear testimony as to his carefulness in taking notes for reports, and we certainly think that any grower who is so very fortunate as to be getting more for his goods than your highest quotation should shake hands with himself, and keep his good luck to himself, and help his salesman very much by so doing, to satisfy his less fortunate shippers—and there are many such, unfortunately for themselves and the trade generally.

To further illustrate the salesman's difficulties we send you herewith a *bona fide* list for the three days in question, for four different lots of goods, which cannot do any harm now that the subject is under discussion; and it may perhaps do a little good, there being heaps of room for the "little good" in our "perfession." All these goods were received at the same time, graded under the same scale of grading; and all show on the respective slips as graded, and yet see the great difference in the prices realized, which were, high and low, really good prices for the stock they represent; and still the fact remains an extra is an extra, and so forth to the end.

MOORE HENTZ & NASH.

Klondyke Cosmos.

Editor Florists' Exchange.

Seedsmen and others who have tried this cosmos in the North, complain that it blooms too late to get the flowers there in the open air. It is evident that the variety is not well fixed in its early blooming habit. We had at this station quite a number of plants the past season. Some of them began to bloom when a few inches high and continued to flower profusely through the whole Summer; in fact, some plants bloomed themselves to death by September. Other plants grew to a height of 6 feet without a flower, but during October and November, and into December, till the frost stopped them, they were a mass of golden flowers. This late blooming section will only be valuable in the North, for taking into the greenhouse for flowering, and the plants will be valuable to florists for this purpose, for they lift very easily and will give an immense quantity of flowers that show better under gaslight than anything I know of.

The North Carolina Station will undertake the selection and development of the plant, as we feel sure that when properly rogued and separated into early and late blooming sorts the plant has a great value for the garden and the greenhouse. Its long stems and long keeping habit will make it of great value to the cut flower trade, as the flowers will add grace and lightness to the chrysanthemum flowers of the same period.

The work of improvement will be undertaken here in more lines than this, and we hope to add something of value in other lines for the florist. Early and profuse blooming in the Salvia splendens would be a disideratum, and we are working in that direction.

The experiment stations, as a rule, have paid too much attention to mere variety testing, when they, of all others, should work in the line of plant breeding. Plant breeding, both with vegetables and flowers, should have greater attention from station investigators who are required by law to disseminate information to cultivators of the soil. And this information and help is not confined to the farms altogether, but all cultivators have an equal right to have their interests studied at the stations. With increased facilities for doing this, the North Carolina Station hopes to do something, not only for the growers of vegetables for the market, but for the florists. Our climate gives us peculiar advantages with the late flowering plants, and as is well known, we are working in the line of producing the bulbs now imported so largely and with a good prospect for success. Of this we will have more to say later on.

W. F. MASSEY,
Horticulturist, N. C. Experiment Station, Raleigh, N. C.

PAMPHLETS RECEIVED.

JOURNAL OF THE NEW YORK BOTANICAL GARDEN Vol. 1, No. 1. Edited by Prof. D. T. Macdougal. This publication will appear monthly, and is issued free to all members of the Garden; to others, 10c. a copy; $1 a year. The January issue contains articles on The Museum Building, Co-operative Forestry, Etiolated Plants as Food; Mycorhizas of Orchids, colors, besides other contributions.

RECEIVED FROM			A	B	C	D
			c.	c.	c.	
Jan. 4	Bride	Fancy	None Ree'd	None Ree'd	20	10
		Extra	13¼	8	15	10
		No 1	5	Fraction Over 3	6½	None Ree'd
		No 2	3¼	2	3	" "
	Bridesmaid	Fancy	None Rec'd	Rec'd None Sold	20	10
		Extra	14	" " "	15	10
		No 1	5¼	Fraction Over 3	7	Fraction Over 3
		No 2	2½	2	None Ree'd	None Ree'd
Jan. 5	Bride	Fancy	15	Rec'd None Sold	15	10
		Extra	12	" " "	Fraction Over 14	6
		No 1	5	" Part Sold 3½	5¼	4
		No 2	Fraction Over 2	2	3	None Ree'd
	Bridesmaid	Fancy	15	Rec'd None Sold	15	10
		Extra	12	" Part Sold 6	14½	6
		No 1	5	" " " 3	5½	4
		No 2	Fraction Over 2	2	3	None Ree'd
Jan. 6	Bride	Fancy	15	6	15	10
		Extra	12	5	14	7½
		No 1	5¼	3½	5¼	3
		No 2	2½	3	3	None Ree'd
	Bridesmaid	Fancy	14	6	15	10
		Extra	11	5½	14	8
		No 1	5¼	3½	5½	3¼
		No 2	2	2½	3	2

Chicago.

State of Trade.

There is no material change in this market as regards the price of flowers since my last notes, nor are roses yet much more in evidence. The market could easily stand a considerable increase to fill all wants, and yet not lower the price for best teas below $10, which, in spite of what a contemporary says on this matter in last week's issue, is a correct figure. One small retailer in this city will, if he sees a chance to corner, buy up good stock at market rates. These are allowed cold storage room in a wholesale house. Then comes along another retailer who must buy to fill an order. The flowers are shown him as for sale at at an advance of from $2 to $3 per 100, when there is an extraordinary demand, such as occurred last week for the funeral of P. D. Armour, Jr., thus causing now and again prices to be paid beyond market rates—and that is all there is to it. We, however, give the market price. Stock of roses, both of Beauty and tea, is certainly improving, but as yet there are too few of them, yet the retail trade, or shipping, will not warrant higher prices. Carnations are plentiful for all demands, with fair clearing out of stock. Bradt are much harder to move this year than last, owing to an increased supply; few sell beyond $3, often at $2. Crane, in scarlet, is also hard to move at $4; often at $3. Violets are abundant and low in price.

Florists' Club Meeting.

At the regular club meeting, February 2, W. A. Smits, J. A. Sikata, Ernst Rosen, Otto Bach, John Algots and Joseph Zwick were elected members. A communication was received from the Chicago Horticultural Society thanking the florists and the club for promised aid in connection with the success of the Fall flower shows. The committee on revision of constitution and by-laws reported, and after discussion the matter was laid over until next meeting and ordered made a special subject for final action. W. N. Rudd brought up the question of the club's making preparations for attending the S. A. F. Convention in New York next August. This matter was also laid over until next meeting, when a special call will be made to members in relation to it, as well as to that of the club's inviting the S. A. F. to hold its 1901 meeting in Chicago, when it will have been 14 years since the society met in this city. A committee was appointed, with power to act, to provide for a bowling tournament, when the ladies will be invited to attend.

J. A. Evans, of Richmond, made a few remarks, extending an invitation to the club to attend the Indiana florists' coming meeting on February 10, subsequently going with them to Cincinnati.

Jottings.

Mrs. A. E. McCrea has been appointed landscape gardener for Lincoln Park.

The George Witthold Floral Co. has a number of plants of the goose flower now in bloom in their palm house.

Henry Sieger's uncle, of the Singler Bros., and long connected with that establishment, died January 30, of dropsy.

James Hartshorne, of the Chicago Carnation Co., says the firm's sales of cuttings are away ahead of last year.

W. N. Rudd is off on a flying trip to New Orleans.

E. G. Eggerling, St. Louis, was a visitor this week. ESS.

A Realty Transfer.

PATERSON, N. J.—Elmer McCornac, the florist at Park avenue and East 33d street, has made an exchange of his property, perhaps best known as the "Chitty property," with Louis Dreyer, for his handsome brick and stone residence at the southeast corner of Broadway and East 26th street. This property consists of three and a half lots and the spacious dwelling. The McCornac property consists of a large frame dwelling, barn and the greenhouse plant, and between 45 and 50 lots. The Dreyer property was put in the deal at $35,000, and the McCornac property at $43,000. The parties in the deal will continue to occupy the properties exchanged until May 1, this arrangement having been made to enable Mr. McCornac to get out his stock of plants and flowers in the greenhouses. Mr. McCornac will seek less valuable land for his greenhouse plant.

Pittsburg.

Market News.

The florist's business has been moving along quietly, rather better than the same time last year. Funeral work has used up lots of stock. In spite of the changeable and severe weather flowers, so far, have been somewhat abundant, excepting roses, which were rather high priced and a little scarce for a time, but at present they are again plentiful, still a little high-priced. Beauty bring from $5 up per dozen, at retail: Bride and Bridesmaid, from $2 up for good stock; at wholesale, from $8 to $12 per 100. Carnations are abundant and the quality all that could be desired. Prices range from $1.50 up. In bulbous stock tulips are at their best. The Pittsburg Cut Flower Co. handled some very fine ones last week, the best seen so far. Valley is also good, and it seems strange that the demand for this choice bloom for general use is becoming smaller from year to year. Harrisii lilies, although not plentiful, are doing fairly well as regards quality and prices average about 15c. at wholesale. Wm. Lauch, who last year had the best success with Harrisii around here, is taking the lead this season; his blooms are fine and large with healthy foliage. The retail price holds up remarkably well, from $2.50 per dozen and higher; a better price than ever was paid for lilies at the same time of the year.

The News.

Chas. Harrison, who has been assistant superintendent of Schenley Park for many years, has been transferred to Highland Park as Superintendent of Construction. Mr. Harrison, who has been connected with the parks ever since their inception, is a practical worker and deserving of this promotion.

E. C. R.

Cleveland.

Trade Conditions Unchanged.

Trade conditions remain quite the same as at last writing; the shortage in good flowers continues, and all available stock finds a ready market. A considerable moderation in the weather within the past few days has resulted in an increased demand for cut flowers at retail, and very little stock is carried over from day to day. Wholesale dealers report a complete cleaning up each day, and growers find no difficulty in placing their entire cut. With the exception of a slight advance in carnations, prices remain the same as last reported; choice carnations bring $2.50 per 100, ordinary hold firm at $2, while extra and fancy reach $3 and $5. In roses, lower grades are a notch higher, and $4 is the lowest figure at this writing; choice blooms are quoted at $7 and $8, and are picked up quickly at these rates. Beauty is reported unusually scarce by dealers, and local growers are offering but limited quantities; some of the larger retailers find it a hard matter to secure enough suitable stock to meet requirements. Bulbous stock is coming in more freely than at any previous writing, and shows a great improvement in quality, Dutch hyacinths in particular; but on account of the limited quantity there is no established wholesale price on them; what few are in market fetch $2 a dozen over the retail counter. A few pot plants are offered and bring 25c. each for choice plants. Some very fine single tulips are seen, and these retail at 75c. per dozen. Most of the short-stem stock is used up in design work. Good quantities of Romans and Paper Whites are brought in, but there is no surplus. Harrisii, valley and violets show no change from former quotations.

Major Logan's Funeral.

Many very fine funeral pieces were sent from this city on Tuesday and Wednesday of this week to Youngstown, Ohio, for the funeral of Major John A. Logan. Smith & Fetters had the family order for flowers, and also had in charge the arrangement of all the flowers at the funeral.

Notes.

J. M. Gasser will leave the city in a day or two for a visit among growers in the East, returning by the way of Buffalo in time for the meeting of the Carnation Society.

John Barclay, representing J. C. Vaughan, Chicago and New York, spent a few days in this city last week.

Quite a number of local growers are making preparations to attend the carnation meeting at Buffalo, but up to this time the writer has not been able to ascertain the exact number who expect to go. G. A. T.

New York.

The Market.

Disagreeable weather has tended to keep the flower market somewhat uncertain this week. High-grade roses seem to be a little more plentiful and the values received for them have not changed from the prices obtained last week. Instances have been noted where 20c. and 18c. were asked for Bridesmaid of a special quality, but buyers refused them, and were not willing to go over the 15c. mark. No. 1's ranged from $5 to $8; No. 2's, $3 to $5. These figures speak for both Bride and Bridesmaid. American Beauty still fetch 60c. for the top grade, down to 8c. for No. 2's.

Carnations have met with a better demand, the standard grades especially maintaining more even values, few going below the dollar mark, as compared with last week.

Roman hyacinths and Paper White narcissus are coming in in quantities, more in proportion to the demand than they were, consequently the prices are not so variable. Tulips of excellent quality are to be seen at many of the commission houses, though the quantities received are not so large as prevailed one week ago. Double varieties realize 4c., singles $2 to $3 per 100, according to color. Daffodils fetch from $2 to $3, lily of the valley from $1.50 to $3. Callas and lilies remain practically the same as last quoted. Smilax is going better, there not being so much of it around.

There is no change in the prices of violets; it has been easier to make clearances owing to the mild weather, as the street peddlers have been able to dispose of large quantities.

In Brower's window, 23d street and Broadway, a beautiful bunch of wallflowers were to be seen one day this week.

Around Town.

Nikola Vallabach, who kept a retail store at 75 Avenue B., died recently, aged 37 years. His widow will continue the business.

Monday morning last the horse attached to C. A. Dard's wagon started on a run on 24th street without the assistance of a driver. The runaway was stopped, fortunately, before any damage was done.

At the Cut Flower Exchange, East 34th street, tulips, valley, narcissus and carnations are quite plentiful just now, but one has to be there pretty early in the morning to get first choice. Although the market hours are from 6 to 8 a. m., stock is usually cleared out pretty well by 7 a. m. Few roses are grown among the standholders of the Exchange, but Frank Millang (whose wholesale stand is on the same floor, just across the hallway) always has a supply and keeps open for business all day long.

James B. Neal, who some years ago ran a retail store on the Bowery, committed suicide by drinking carbolic acid Monday afternoon last, near the Obelisk in Central Park. The deceased had led a chequered career in the florist business, and had been a great sufferer from poor health. Theodore Lang gave him a few days' employment during the recent holidays; this, we believe, was the last work Neal did. He was 42 years old, and leaves a widow and one daughter.

Five members of the craft journeyed to Poughkeepsie Wednesday to participate in the Dutchess County Horticultural Society's annual dinner. They report having had an enjoyable time. Those who went were: W. F. Sheridan, C. B. Weathered, P. O'Mara, J. I. Donlan and W. J. Stewart.

The New York Florists' Club holds its regular monthly meeting Monday evening, corner 27th street and Broadway. Important business will be attended to; a large audience is requested.

A. S. Burns, Jr., has purchased three acres of ground at Springball, Rockland County, N. Y., including five greenhouses, four being filled with violets, and one, 200x20, with carnations, which are in fine shape; also a cottage built last year. He will build the coming Spring, but how much he cannot say yet, as he has only taken possession.

The firm of H. A. Stoothoff & Co., specialists in tobacco insecticides, has been dissolved, and the business will hereafter be carried on under the name of H. A. Stoothoff, at the new address, 116 West street.

Philadelphia.

Club Meeting.

There was a very good attendance at the meeting on Tuesday last, several new members were elected and some proposals received. The subject selected for the essay at the March meeting is "Begonias for Commercial Purposes," and it has been assigned to Edwin Lonsdale. John N. May read a paper on "What Has the Twentieth Century In Store for the Queen of Flowers;" and, while he did not keep to the title, many good points were brought out, and the paper was much appreciated. Following the reading of the paper came a good discussion on roses that became a debate between the grower and the retailer, and at times was quite lively. John Burton opened the ball by asking why it was that only four kinds of roses were now grown—Beauty, Bridesmaid, Bride and Meteor? There being only a very small demand for others, was it that flower buyers had become tired of artistic beauty in flowers, and only looked now for size, and wanted as much as possible for their money? Something is evidently wrong. Could some of the dealers explain this state of affairs, and the change that had occurred in the tastes of flower buyers? Robert Kift could not explain the matter, but he knew it was difficult to sell other varieties of roses. He had frequently had some flowers on hand, of other kinds, but the people passed them by. He thought that if the stores had good La France, these could be sold as readily as Bridesmaid, and he concluded by asking George Anderson why he had given up growing La France. The answer was, because the dealers refused to pay a profitable price for the flowers. In former times the figure asked was cheerfully given; now the grower has to accept what the dealer offers, and he could not grow La France at the prices stores were paying. A. B. Cartledge thought the stores could easily sell more varieties of roses if they could only get them. For instance, early in the season Pennock Bros. were receiving some good Perle, which were all sold; but finally they were compelled to stop taking orders, because the roses were no longer procurable. If growers would only give them more variety he was sure the public would buy. Mr. May said he must differ from the former speaker, as in his opinion the stores did not want a large variety. Now, when we have only four varieties, so to speak, many stores only have to buy, say, 100 roses each morning, 25 of each variety. Were they to carry four or five other varieties still, they must buy 25 of each. He had known dealers to turn customers away, saying no more variety could be had, when there were other sorts on the market. With the grower it was the price obtained. He knew one man growing good Perle, stem 18 inches, and yet this grower could not get over $3 per 100, and at that price he could not afford to grow them. The same thing applied to hybrids; the growers would be glad to send in more variety, but they must have a living profit.

Robert Kift said that now the store man, when wanting more than the four kinds of roses, was compelled to grow them himself, so to speak, by engaging a house and having that filled with varieties for his own trade.

Edwin Lonsdale agreed with Mr. May. It was right, the retailer must grow other varieties himself, for he would not take them steadily every day from the grower. The grower cannot afford to plant a house of roses, to supply the stores with a few once or twice a week, as they saw fit to purchase.

Robert Craig thought more effort was wanted on the part of the retailer. Surely the public would buy other varieties if these were placed before them in a proper manner. Take Bon Silene, or similar old varieties, and show the public how dainty and lovely they were; use more effort, and sales could be made. The Christian denominations had solved this problem; they pay one man $10,000 a year, because he can better explain the Gospel than a $6 a week man. Educate the public and more varieties would be used.

Benj. Durfee said let three growers combine and open a store, and not grow one of the four roses now mostly grown; but raise other varieties, and they would knock the life out of the other stores.

Joseph Heacock said a grower would plant such varieties as paid him best. He did, and he knew others would do the same. He now grew four varieties; next year he would drop one of these and grow but a few of two others. Beauty paid him best, and that was why he grew this kind extensively.

Benj. Durfee being asked as to the popularity of Golden Gate said it was increasing in sales everywhere but around this city, and he thought the trouble was that our growers cut the flowers too soon; the blooms require to ripen more on the plant, and if cut same as other varieties cannot be grown successfully by any one.

And so while the discussion went pro and con it is evident the grower is ready to raise whatever he can obtain a fair living profit for. Many good points were brought out that will cause some thinking. All went home glad they had attended the meeting, and feeling thankful to Mr. May for having brought out such a good and interesting discussion.

DAVID RUST.



Bowling Tournament.

FLATBUSH-NEW YORK-HUDSON COUNTY, N. Y.

On the alleys of the Hudson County team, situated at the corner of Summit avenue and Paterson Plank Road, West Hoboken, this triangular match was commenced at 6 o'clock Wednesday evening. The New Yorkers took their own balls with them, and this no doubt gave them a slight advantage, as those provided at the alleys were very much worn, and but illy met the requirements of the Flatbushites. Traendly and Riley sent the first balls of the game down the alleys amid breathless silence, but the first frame had hardly been finished before the lungs of the rooters were working as hard as the muscles of the bowlers. Several fouls were scored during this first game; Raynor got his thumb too far in the ball and the ball struck the ceiling instead of the pins, and Bunyard got down on his hands and knees in his anxiety to make a strike. The game finished with Flatbush victorious by 13 pins. This was a mighty close shave, yet it was a victory and was received with great cheers.

A light lunch followed for the next 15 minutes, when the game was again called, and the Hobokenites stepped to the front to meet the Flatbush men. The latter team was again victorious by 135 pins. It then remained for the New Yorkers and the Hoboken team to play the last game of the evening, and this was the liveliest one of all. Up to the seventh frame the Hoboken team had the lead, but the indomitable spirit shown when playing an uphill game, that the New Yorkers are noted for, was brought to bear to great advantage, and they managed to beat their opponents by 20 pins. This gives New York one victory and Flatbush two.

A bountiful hot supper was served at the close of the game. Traendly was called upon for a speech, but there are times in a man's life when he is too full of his subject for utterance, and the New York captain found himself in that dilemma.

The second series in the tournament will be played on the New York alleys, corner 57th and Sixth avenue, next Monday afternoon, the 12th inst., beginning at 3 o'clock.

As the under-mentioned scores show, Flatbush is just a little ahead of the game. It is not the club winning the most games however, but the one having the highest number of pins down through the whole series that will be considered the victor.

The officers of the New York Bowling Club have engaged the extra set of alleys at their headquarters, so that visitors who attend the tournament may have the privilege of rolling among themselves if they so desire; this being a legal holiday (Monday) visitors will no doubt be numerous.

FLATBUSH.

	1	2
Riley	148	151
Zeller	105	161
Raynor	131	133
Prosser	119	137
Mellis	141	116
E. Dailledouze	126	171
	770	869

A total of 1,639 pins.

NEW YORK.

	1	2
Traendly	122	137
Schenck	135	119
Bunyard	79	..
Manda	..	146
Hafner	125	160
Burns	128	185
Lang	168	102
	757	849

A total of 1,606.

HUDSON COUNTY.

Brown	125	165
Dietz	129	113
L. Hensen	139	142
Worchke	101	119
Kogge	122	159
M. Hensen	127	131
	734	827

A total of 1,563.

The tournament thus far stands:
Flatbush, 1,639;
New York, 1,606;
Hoboken, 1,563.

Oconomowoc, Wis.—Several prominent florists of Milwaukee went out to Oconomowoc for an outing recently and were guests of Otto Sylvester. The party was composed of Messrs. C. C. Pollworth, E. Edlefsen, N. Zweifel, H. G. Kennedy and A. Klockner. They were shown through the greenhouses at the Armour place, after which they were entertained at dinner by Mr. Sylvester. The afternoon was spent at the quarters of the Silver Lake Bowling club, where a match took place, the Silver Lake team winning the contest. The scores were as follows:

FLORISTS.

	1	2	3	Total.
Sylvester	119	155	198	472
Pollworth	121	185	183	489
Edlefsen	112	138	112	362
Zweifel	116	116	105	337
Kennedy	106	86	98	290
Klockner	85	120	102	307
Speidel	..	86	107	193

SILVER LAKES.

	1	2	3	Total.
Holstein	118	127	155	400
Morgan	115	134	146	395
Welch	118	112	110	340
Petersen	102	123	106	331
Michels	125	99	129	353
Miller	137	128	133	398
Lugvel	..	100	129	229

St. Louis.—Following are Florists' Bowling Club scores for February, 5, 1900.

	1	2	3	4	5
C. A. Kuehn	154	148	155	125	184
C. C. Sanders	146	170	137	134	176
E. Schray	127	166	147	138	..
J. W Kunz	153	135	115	148	167
J. J. Beneke	164	146	118	115	151
F. C. Weber	127	148	115	112	..

Utica, N. Y.

Saturday week a party of florists from Syracuse visited this city and was entertained by Utica florists. An elaborate collation was served, and toasts were responded to by many of those present. Later in the evening the florists from Syracuse and their local brethren engaged in a bowling contest at the Maennerchor Bowling Alleys. After a close and exciting game the Uticans won by a small margin. Those present from Syracuse were R. H. C. Bard, David Campbell, George Ham, Richard Davis, Charles A. Fox, W. B. Dow, Joseph Huller, Henry Burt and Charles Smiley. The Utica florists will visit Syracuse in the near future.

RAWSON'S
Arlington Tested Seeds
Are now well known to some florists, we want them known to all florists. Special price list sent on application.
W. W. RAWSON & CO., Boston, Mass.
12 and 13 Faneuil Hall Sq.

GERANIUMS
S. A. Nutt, and Geo. Graot, 2½ in. pots, $2.00 per 100.
CARNATION Mrs. Fisher, from flats, $1.00 per 100; 2½ inch pots, $2.00 per 100.
DOUBLE PETUNIAS, 2 inch, $2.00 per 100
CHRYSANTHEMUMS, Merry Xmas, Bonnaffon, Merry Monarch, $2.00 per 100.
FINE SMILAX, strings 6 to 8 feet long.
Cash with order.
WM. KEIR, Pikesville, Md.

Are You a Seller of Plants at Retail?
If so, you can make a good lot of hard cash by simply recommending
SILL'S PLANT SYRINGE
No stock to carry, no cost to you whatever. We bear all the expense and divide profits with you even, for simply recommending the article. Write for Particulars.
BEN'L F. SILL, 116 Main St., L. I. City, N. Y
Mention the Florists' Exchange when writing.

ROOTED CUTTINGS!

Coleus, Crimson Verschaffeltii, Golden Bedder and Golden Queen	$0.75	$6.00
" In variety	.60	5.00
M. Sallerol Geraniums, from soil	1.25	10.00
Alternantheras, P. Major and A. Nana, from soil	.60	5.00
Ageratum, blue and white	.60	
" Princess Pauline	.75	
Cuphea (Cigar Plant)	1.00	
Double Petunias, 30 varieties	1.25	
Giant Alyssum	.60	
Heliotropes, 12 varieties	1.00	
" 2 inch pots	2.00	
Salvia Splendens and Bedman	1.00	
Vinca Variegated, trailing	1.00	
Cannas, Dormant, Standard vars	2.00	12.50

Plants by the 100, by mail, prepaid. Cash with order.

C. A. HARRIS & CO., DELANSON, N. Y.

Mention the Florists' Exchange when writing.

ALTERNANTHERA Red and yellow. Rooted cuttings, A No. 1, at 50c. per 100; $1 00 per 1000.

YELLOW COLEUS 2 inch, per 100, $1.75. Satisfaction guaranteed.

E. I. RAWLINGS, - Quakertown, Pa.

Mention the Florists' Exchange when writing.

PRIMROSES Thrifty plants, flowers unsurpassed for size and colors, from 4½ in pots, $6 00; 3½ in., $4.00 per 100. A few extra good Cinerarias and Cyclamen, in bloom, 5 in. pots, 12c a piece. Coleus, rooted cuttings, 50c. a 100. Cash with all orders.

MRS. M. CAVANAUGH, Ionia, N Y..

Mention the Florists' Exchange when writing.

WE ARE HEADQUARTERS

For all the Best Novelties of the Season in

Chrysanthemums, Carnations, Cannas, and Geraniums,

CATALOGUE FREE ON APPLICATION.

NATHAN SMITH & SON, - - ADRIAN, MICH.

Mention the Florists' Exchange when writing.

CINERARIAS

For Easter Flowering.

From Benary, Cannell and Sutton's prize show flowers saved, dwarf and semi-dwarf, giant flowered, finest shades and colors, fine, stocky plants, 2½ in., $2 per 100; $5.00 per 300. 3 in., $3.00 per 100.

SHELLROAD GREENHOUSE CO.

Grange P. O., Baltimore, Md.

Mention the Florists' Exchange when writing

Galax Leaves

CHAS. H. RICKSECKER, Linville, N. C.

Mention the Florists' Exchange when writing

GALAX LEAVES

To Dealers outside New York City:

Choice Galax.....$0 40 per 1000

Choice Leucothoe..... 2 00 "

Special attention given orders to go in cold storage. ORDER AT ONCE.

J. N. PRITCHARD, Elk Park, N. C.

Mention the Florists' Exchange when writing.

GALAX LEAVES!

DIRECT FROM NORTH CAROLINA.

Specially Equipped for Handling Large Orders.

J. L. BANNER, Montezuma, N. C.

D. ROBINSON, Agent, Produce Exchange Bldg., N. Y

Mention the Florists' Exchange when writing.



Mention the Florists' Exchange when writing.

Montreal.

Trade Notes.

Business continues very flat, but owing to dull weather prevailing stock of all sorts has shortened up considerably. About the only things, at least in several quarters, that are not dragging heavily are red carnations and daffodils, the latter of which are now coming in freely and of good quality. But there is again this year a marked deterioration in the type. Poeticus, also of very good quality, are arriving, and a few tulips are seen, but the quality is not very high.

The Banquet.

The annual dinner of the club, held on Monday night, 29th ultimo, was one of the best and most largely attended that the club has ever held, 50 members and friends sitting down to the excellent repast spread by Host McHugh, of the Lake View Hotel, Lachine. The arrangements in the hands of Charles Smith were well night perfect, the table decoration especially deserving mention. The place of honor was filled by a white cyclamen, from the Forest and Stream Club, that was beyond description. By unanimous consent the dinner was turned into a regular meeting to award a first-class certificate of merit to Tom McHugh for this specimen.

Among other noticeable contributions, Smith's pink obconicas were as magnificent in coloring as they were large in size. Retiring President Alfred Wilshire occupied the chair, supported on the right by Acting Mayor of Lachine Rothwell, the Mayor, A. Decarrie, Q. C., sending a letter expressing his deep regret that a prior engagement prevented his being present. Several of the leading men of Lachine also occupied seats on the right of the president, while on the immediate left was President Robinson, Secretary Horobin and W. Ewing.

The toast list was a long one, and was enthusiastically received. "The Queen," responded to by Frank Bennett, with "Rule Britiaunia," and Willie Hall with "Soldiers of the Queen," called forth a perfect storm of applause; "The Club and Sister Societies," was responded to by John Walsh, and Acting Mayor Rothwell, president for the Lachine Horticultural Society, respectively; Mr. Bowles, secretary-treasurer, for the Montreal Horticultural Society and Fruit Growers' Association of the Province of Quebec; Joseph Bennett, for the Society of American Florists, and in the regretable absence of President McKenna, also for the Canadian Horticultural Society; W. Ewing, for the Seed Trade and Agricultural Society. "Growers, Retailers and Gardeners," was responded to by Walter Wilshire with a neat speech; Alfred C. Wilshire, with "The Absent Minded Beggar," which, like all other patriotic pieces, received rounds of applause, and Mr. Whitney, for the private gardeners. "Our Incoming Officers" was also excellently received.

The song by Mr. Landsdell, the gentleman acting as pianist, "Here's to You (hic), John Brown," brought down the house, as also did recitations by the same gentleman, Mr. Vrengde and others. Tom McHugh's "Opening Time," in response to awarding the certificate of merit for his specimen cyclamen, was received in the usual way. Several very feeling references were made to the severe loss that not only the club, but horticulture and agriculture generally, had sustained in the sudden death of W. D. Ogilvie.

A special car leaving Lachine at 1 a.m. brought the members back to the city from what was undoubtedly the most successful dinner yet held by the club.

B.

Toronto.

The News.

Miss Browne, who has been connected with Dunlop's King street store ever since it was opened, was married last week. We wish her long life and happiness.

I am much pleased to be able to report that Mrs. Dunlop is again at home and doing well after a severe operation at the hospital.

J. McHutchison, representing Aug. Rhotert, was in the city this week.

Business still continues fairly good, with stock generally a little more plentiful and of better quality than last week. We have had a week of rather cold weather, and that has made violets scarcer than before. The roses coming in are of much better quality. Some fine tulips are arriving, and the demand for good ones is quite lively. Daffodils and Princeps and Trumpet Major narcissi are selling freely. Some very nice freesia also finds a good market. T. M.

Ottawa.

Business for the past week has been good, owing to the opening of Parliament and the Queen's drawing-room on Saturday. The latter occasion is a great day for the florist, as all the prominent ladies who go to make their bow to the Queen's representative, Lady Minto, carry elaborate bouquets. On the present occasion the demand was up to former years, and prices and quality better, violets, valley, roses, carnations and orchids being in demand. The florists were well up in everything, excepting roses, none being procurable in Canada, and New York having to furnish the shortage. Funeral work has also been very plentiful the past week. Crops are looking good. Violets especially are abundant. Valley this year seems extra good. Carnations are in excellent condition and flowers fairly plentiful. Roses are of fair quality but scarce.

We are now eagerly awaiting the meeting of the carnationists, and hope they will furnish us with recommendations that will enable us to order just the right thing, instead of having really to experiment ourselves and suffer disappointment, which lawfully belong to the seedling raising business. E.

St. Paul.

Market News.

Taken as a whole the Winter has been mild and open, which condition has not been conducive to the retail trade in any line.

Immediately following the holidays there was a big cut of roses, and prices dropped for a few days. But all roses are now "off crop" and very scarce, Beauty being remarkably hard to obtain. Carnations, however, are quite plentiful and of good quality. Violets, which for a time were very scarce, are now more plentiful, the first good crop of the season now being on the plants. Bulbous stock is very much in evidence and sells fairly well. But very few Dutch bulbs are being forced in comparison with former years. Romans and Paper Whites are still the mainstay for funeral work. Harrisii are looking remarkably free from disease, and are of much sturdier growth than heretofore.

Building News.

Some building has been projected for another season, though the glass men seem quite unable to accept orders at this time.

R. C. Seeger contemplates extensive additions to his range. He is cutting some very choice roses this season.

L. L. May contemplates the erection of an extensive range of modern houses on his farm several miles from the city. These will be devoted entirely to cut flowers for the retail trade.

Jottings.

Quite a good deal of club root has developed in some of the plants in this vicinity. Opinion, which has been divided, is not quite general that this disease comes in the soil and is not hereditary in the plant. Carnation rust seems to be a thing of the past, though more or less of it is still seen here.

Recent visitors: A. L. Vaughan, representing Hagemann & Meyer, and Robert Spero, with Chas. Zinn & Co., baskets, etc., New York City. VERITAS.

Oceanic, N. J.

At the regular meeting of the Monmouth County Horticultural Society one proposal for membership was received. It was decided to hold the third annual ball on February 22. A committee of five was appointed to take the matter in hand. B.

Boston.

The Market.

Business has been slightly improved by a week of good seasonable weather. The cold snap has had a little effect on the quantities of bloom; on Monday morning, at the market, there were not nearly so many good flowers as usual, but no very apparent scarcity.

American Beauty are in good supply, but only of fair quality The better grades do fairly well, at $25 to $35 a 100, with smaller grades down to $2 a 100. Bride and Bridesmaid are in supply about adequate to satisfy the demand, which is not over heavy.

Carnations still continue quite plentiful, though there is no overstock of the finer grades. Good white ones have been quite scarce.

Bulbons stock becomes more plentiful daily. Trumpets and Von Sion are in good supply and do well at $2.50 and $3 per 100 for best stock. Paper Whites are very plentiful, and tulips are coming in in greater variety and of better quality. Roman hyacinths, too, are very abundant. Valley holds on at about the same prices. Mignonette is more plentiful and does well at $1.50 to $2 a 100, extra grades making $3 and $4.

There is now a good supply of violets which average from 50c. to 75c. a 100; a few extras fetching $1.

The News.

President Wood, S. A. F. O. H., who is cruising in the South, writes from Palm Beach, Florida, in glowing terms of the climate and surroundings of that place.

Welch Bros. are receiving daily shipments of fancy carnations of exceptional quality; especially is this true of a lot of Daybreak.

Mrs. Rogers, formerly at the Adams House, will open a retail store near the foot of Summer street, very close to the South Station.

Mr. Scannell, for a time with M. B. Bunker, at the Parker House, is to return to the employ of Wm. E. Doyle.

Mass. Horticultural Society.

A very fine show was held at Horticultural Hall, on Saturday last, the orchids being exceptionally good. Mrs. J. L. Gardner sent in about a dozen plants of Primula sinensis alba florepleno, which were excellent. James Brydon, gardener to Mr. Bayard Thayer, exhibited a finely grown plant of Cattleya Trianæ, with about 25 fine blooms. E. O. Orpet, gardener to Mr. E. V. R. Thayer, made the largest exhibit of cut orchid flowers, including many varieties of Cattleya Trianæ, lælias, etc. John Mutch, gardener to James E. Rothwell, Esq., made a smaller display, also good, including a fine lot of phalænopsis. Other very nice orchid exhibits were made by Mrs. A. W. Spencer and H. A. Wheeler. Among the violets, too, some superb flowers were shown; James Comley had, besides the better known varieties, Lady Hume Campbell and La France, a nice lot of the new Luxonne. Morris F. Comley showed a collection, including Imperial, Lady Campbell and Marie Louise in double, and California and Princess of Wales in single. James Comley also had camellias, a few carnations, and rhododendrons. The only carnations entered for prizes were from M. A. Patten; they were very fine. Mrs. E. M. Gill showed carnations and freesia of good quality. A fine vase of Acacia pubescens was exhibited by John L. Bard, who also showed a dish of oranges grown at his place. F. J. N.

Pleasant Hill, Mo.

From flowers to music is not so very far, but in all probability the first florist to construct an Opera House is G. M. Kellogg, of this town. Mr. Kellogg is building a $15,000 Opera House, which will also contain a reading room and library. This enterprise is in addition to the management of greenhouses containing 140,000 square feet of glass, and a store in Kansas City. Mr. Kellogg may be truly styled the progressive florist of the Southwest. E.

Paterson, N. J.

The priests in two of the Catholic churches have begun a crusade against flowers at funerals, and their remarks reported in the public press of the city have not added to the volume of business done by the retail florists. E.

GALAX LEAVES For latest prices green and bronze Galax Leaves and Leucothoe, address the introducer.

HARLAN P. KELSEY,

Tremont Bldg., BOSTON, MASS.

Mention the Florists' Exchange when writing.

GREEN GOODS. *WRITE, TELEGRAPH OR TELEPHONE.*

Galax Leaves, Brilliant Bronze, $1.00 per 1000, and Brilliant Green, $1.00 per 1000.

Leucothoe Sprays.....$1.00 per 100 | Wild Smilax, "Hand Picked" Brand. 50 lb. case, $6.50; 35 lb. case, $4.50.

Needle Pines .....$1.00 to $2.50 per 12

Fancy Fern, Dagger Fern, etc., etc., and all kinds of "Green Goods." Prices on application.

HARRY A. BUNYARD, 42 W. 28th St., N. Y. City. TELEPHONE 2065 MADISON SQ.

Mention the Florists' Exchange when writing.

Unequaled Varieties VERBENAS Vigorous Stock.

		100	1000
Best Mammoths,	strong pot plants	$3.00	$25.00
" "	rooted cuttings	1.00	8.00
Older "	"	.75	6.00
" "	strong pot plants	2.50	20.00

ROOTED CUTTINGS CARNATIONS VIGOROUS STOCK

General Maceo, G. H. Crane, $6.00 per 100 $50.00 per 1000.
America, Melba, Gen. Gomez, Mrs. G. M. Bradt, 75c. per doz.; $5.00 per 100; $40.00 per 1000.
White Cloud, Gold Nugget, $4.00 per 100; $30.00 per 1000.
Ban Tea, New York, Jubilee, Frances Joost, $2.50 per 100; $20.00 per 1000.
Armazindy, Flora Hill, Eldorado, Daybreak, Jabn's Scarlet, Sea Shell, Victor, $2.00 per 100; $15.00 per 1000.
Alaska, Lizzie McGowan, Wm. Scott, Portia, $1.50 per 100; $12.00 per 1000.

Rooted CHRYSANTHEMUMS Cuttings

Send for list of **90 best Varieties.**

CYCLAMEN GIGANTEUM.

From 3 inch pots, in bud, $8.00 per 100
" 3½ " " 10.00 "

Strong Tubers CANNAS DORMANT.

Alphonse Bouvier, Florence Vaughan, Doyen J. Sisley, F. R. Pierson, Italia, Burbank, Sonv. de A. Crozy, John White, Pierson's Premier, Compte de Bouchard, Papa, Pres. McKinley, $3 00 per 100; $25.00 per 1000.
Chas. Henderson, Paul Marquant, Paul Bruni, Austria, Thos. S. Ware, Creole, $2.50 per 100; $20.00 per 1000.

ROSES.

Bridesmaid, Bon Silene, Catherine Mermet, Duchess of Albany, Golden Gate, La France, Maid of Honor, Niphetos, Perle des Jardins, Pres. Carnot, Sunset, The Bride, Wootton, from 2¼ in. pots, $5.00 per 100, $40.00 per 1000.

MISCELLANEOUS.

	100	1000
Anthemis, Double Golden Marguerite.	$2.00	
Ageratum, blue and white	1.00	$8 00
" Princess Pauline	1.50	
Colens, all leading sorts	1.00	8 00
Fuchsias, double and single	2.00	15.00
Feverfew	1.50	12.00
Heliotrope, light and dark	1.25	10.00
Impatiens Sultani	2.00	
Moon Vines, true	2.00	15.00
Salvias, Splendens and Bedmao	1.25	10.00

TRADE LIST ON APPLICATIGN.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

CYCLAMEN PERSICUM GIGANTEUM

No finer strain on the market. Transplanted in flats $2 00 per 100; $18.00 per 1000.
Forget-Me-Not, stocky pot plants, $2.00 per 100. Large clumps for benching or dividing, $4.00 per 100.
Baby Primrose, in bud and bloom, $3.00 per 100.
Rudbeckia, Golden Glow, $3 00 per 100.
Double Petunias, in splendid mixture. Rooted cuttings, $1.00 per 100.
Alternanthera, 50 cts. per 100; $4 00 per 1000.
Salvia Splendens and Bonfire, $1.00 per 100.
Heliotrope, remarkable fragrance, no scentless varieties, $1 00 per 100.
Fuchsias, single, in variety, $1.00 per 100; Double, $1.50 per 100.
Feverfew, Dwarf Gem, $1.50 per 100.
Ageratum and **Parlor Ivy,** each, at 75c. per 100.
CARNATIONS. Scott and McGowan, $1.00 per 100; $8.00 per 1000. Daybreak, $1.25 per 100; $10 a 1000. Flora Hill, $1.50 per 100; $12.00 per 1000. Bon Ton, $2.00 per 100. Gomez, $4 00 per 100. Bear in mind we allow discount of 10 per cent. on all orders placed for Carnations before March 1st next.
Rooted Cuttings of all plants by the 100 are sent by mail

ORANGE FLORAL CO., West Orange, N. J.

Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

Extra fine 3 in. **Chinese Primrose** in bud and bloom, $4.00 per 100. **Asparagus Plumosus,** 3 in., $8.00 per 100. **Rex Begonia,** 3 in., mixed, $4.00 per 100. **Marguerite Daisy,** large flowering white, 2 in., $3.00 per 100. **Nephrolepis Cordata Compacta and Boston Fern,** 2 in., $4.00 per 100. **Kentia Belmoreana and Forsteriana,** 4 in., nice plants, 40c. each.

Geraniums: S. A. Nutt, Poitevine, E. G. Hill, Double Grant, J. J. Harrison, 2 in., $3.00 per 100. Single Grant, Bruant, Murandi, Sam Sloan, La Favorite, 2 in , $2.50 per 100.
English Ivy, 2 in , $3 00 per 100.
Campbell Violets, rooted runners, 50c. a 100.

NEW CARNATION KITTATINNY.

A new money making carnation; a white sport from Daybreak. Any one can grow it that can grow Daybreak, as it is identically the same in every respect except color, which is pure white; and with me it is a stronger grower and larger flower, and as a first-class all-round white can't be outclassed. Stock limited, and orders will be filled in strict rotation. Price per 100 **Rooted Cuttings,** $6.00.

Carnation, rooted cutting. Daybreak, Iago, Flora Hill, $1.25 per 100. Scott, Fisher, Portia, McGowan, Alaska, Peach Blow, 75c. per 100.
Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

GERANIUMS

Best Bedding Kinds,
Mixed, from 2 to 2½ in. pots, $2.50 per 100.

Rooted Cuttings of

Lizzie McGowan Carnation,

$5.00 per 1000. Cash.

B. F. MUSCHERT, Penn Valley, Pa.

Mention the Florists' Exchange when writing.

Room Wanted.

Cinerarias, from 4 in. pots, $5.00 per 100; with pots, $6.00 per 100, for Easter blooming.
Primroses, 4 in. pots, choice colors, in bloom, from $6 00 to $8.00 per 100.
Umbrella Plants, 4 in. pots, $7.00 per 100.
Begonia Veroon, 4 in. pots, $8.00 per 100.
Primula Obconica, in bloom, 4 in. pots, $6.00 per 100
Cyclamens, 4 in. pots, in buds, $8.00 per 100.
Azaleas, bud and bloom, white and pink, 75c. each.
Standard Azaleas, 2 ft. high, white and other colors, 80c.
Cineraria Hybrida, 6 in., in buds, $2 50 per doz.
Freesias, 4 in. pots, in bloom, $1.00 per doz.
State particularly if wanted with or without pots.
CASH WITH ORDER. PLEASE.

GODFREY ASCHMANN,

1012 Ontario Street, Rising Sun, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

VERBENA KING.



The largest Verbena grower in the world. Say, boys! we have them, too. None finer, the very best mammouth named vars. on earth at the following prices: 60 cents per 100; $5.00 per 1,000; 5,000 for $22.00; 10,000 for $40.00.
Write for prices on larger lots.
NOTICE--We pay the express on all rooted cuttings, and guarantee satisfaction in every way.
That cash, please.

C. HUMFELD,

CLAY CENTRE, KANSAS.

Mention the Florists' Exchange when writing.

XX STOCK XX

CYCLAMEN Persicum Splendens Giganteum, a few hundred plants left, in bud and bloom, $1.20 per doz.; $10.00 per 100.
NOW READY—Cyclamen P. S. Giganteum, in 4 true colors, twice transplanted from flats, strong plants, $2.50 per 100; $20.00 per 1000.
CHINESE PRIMROSES Fringed foliage, finest market varieties, from 2½ in. pots, $2.00 per 100; from 3 in. pots, all in bud and bloom, in 7 colors, including blue, double white and red, well-grown plants, $4.00 per 100; from 4 in. pots, $6.00 per 100.
CINERARIAS Ily. Max. Gran., from flats, twice transplanted, strong plants, $1.50 a 100.
PELARGONIUMS Best market varieties, from 3½ in. pots, $7 00 a 100; rooted cuttings, $2.00 a 100.
CARNATION Cuttings. 25,000 well-rooted Daybreaks, $1.25 per 100; $12 00 per 1000; **McGowan, Wm. Scott,** $1.00 per 100; $8.00 per 1000. All the above warranted A No. 1 Stock.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

DOUBLE PETUNIAS. OVER 75 VARS., NAMED.

I have the finest and largest collection in the country, an immense stock, and can fill all orders without delay.
Rooted Cuttings, by mail, $1.25 per 100.
Grandiflora, single, 10 vars., $1.25 per 100.
"I saw the bloom of Mr. Hughes' petunias, both double and single, and they are very fine."
HENRY F. MICHELL.

Ivy Geranium, 12 vars	$1.50 per 100	
Heliotrope, 16 vars	1.00	"
Ageratum, Princess Pauline	1.00	"
Gazania, splendens	1.50	"
Ageratum, White and Blue	.75	"
Abutilon, 4 vars., R. C.	1 50	"
Swainsoon Galegifolia Alba, R. C.	1.50	"
Fuchsias, 12 vars	1.25	"
Flowering Begonias, 12 vars	1.50	"
Moon Vines Smith's Hybrid Seedlings, which are the best varieties, transplanted, $2 00 per 100. Cash with order, please.		

GEORGE J. HUGHES, BERLIN, N. J.

Mention the Florists' Exchange when writing.

GERANIUMS

Gettysburg, Bruant, La Favorite, Mrs. Taylor, Rose Walnut and others, in variety, 2 in., ready for shifting, 2½ cts.; R. C., 1½ cts.
Trailing Lantana, 2 in., 2½ cts.
Begonias, in variety, 2½ in., 2½ cts.
Vinca Major, 2¼ in., 2½ cts.
Boston Ferns, extra heavy, ready for shifting, 2½ in., 6 cts.; 3 in., 10 cts.
Gnaphalium, 2 in., 2½ cts.; R. C., 1½ cts.
Panicum Variegatum, 2 cts.
Achyranthes, 2½ cts.
Coleus, Blue and **White Ageratum,** R. C., 75 cts. per 100.

A. J. BALDWIN, Newark, Ohio.

Mention the Florists' Exchange when writing.

Dwarf Cinerarias.

Dreer's Strain, in bud, showing color, extra fine plants, from 4 in. pots, $5.00 per 100; 5 in. pots, $7.00 per 100.
500 Vulcan Begonia, from seed, from 2¼ in. pots, ready for 3 in. pots, at $2.00 per 100.
Coleus, rooted cuttings, 60c. per 100; $5.00 per 1000.
Alternanthera, red and yellow, 50c. per 100; $4.00 per 1000.
Low Express rates. Satisfaction guaranteed.

J. S. BLOOM, - - Riegelsville, Pa.

Mention the Florists' Exchange when writing.

FOR SALE CHEAP FOR CASH.

200 Cyclamen, 2½ inch pots; 150 Orchids, 3 varieties; 200 Ardisia, from flats.

ROOTED CUTTINGS Salvia splendens and Bedman, Swainsona, alba; CARNATIONS, Cartledge, Flora Hill, Triumph, Scott, McGowan, Portia; Chrysanthemums in 25 varieties, best, or will exchange for Am. Beauties and Meteors, from 2½ in. pots, strong and healthy plants

JNO. A. LAMBERT, 555 E Fair St., Atlanta, Ga.

Mention the Florists' Exchange when writing.

GERANIUMS

A few thousand left in 2½ in. pots at $30.00 per 1000; $3.25 per 100. **S. A. Nutt, La Favorite, Richard Brett, Wilhelm Pfitzer, Mazet Delayas, J. M. Garr, Mrs. E. G. Hill, Wonder, Granville, Rev. Atkinson, Mme. Salleroi, Geraniums,** in soil, $1.50 per 100; $12.00 per 100.
Also, **Rose Geranium Cuttings,** $18 00 per 1000; $2.00 per 100.
COLEUS, Crimson Verschaffeltii and Golden Queen, $7.00 per 1000, 75 cts. per 100; 2 in. pots, $1.50 per 100. Coleus in variety, $5.00 per 1000, 60 cts. per 100; 2 in. pots, $1.25 per 100.
AGERATUM, Blue and White, 75c. per 100; Princess Pauline, $1.00 per 100.
GIANT ALYSSUM, $1.00 per 100.
SALVIA, Splendens and Bedman, $1.25 a 100.
HELIOTROPE, 6 vars., named, $1 a 100.
CUPHEA (Cigar Plant), $1.00 per 100.
FUCHSIAS, $1.50 per 100; $12.00 per 1000.
FEVERFEW, $1.50 per 100; $12.00 per 1000.
VINCAS, $1.25 per 100; $10.00 per 1000. 4 in. pot, $8.00 per 100; $70 per 1000. Fine plants.
The above are rooted cuttings, except when noted. Cash must accompany all orders.

J. E. FELTHOUSEN, Schenectady, N. Y.

Mention the Florists' Exchange when writing.

300,000 VERBENAS

60 finest named varieties, including our new
MAMMOTH WHITE MRS. McKINLEY.
The finest white Verbena grown.
Perfectly healthy. Free from rust.
Rooted cuttings, 60 cts. per 100; $5.00 per 1000.
Plants, $2 50 per 100; $20.00 per 1000.
Our list is the choice from millions of seedlings
Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS!

All stock enumerated below sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded. At 100 rates rooted cuttings will be shipped prepaid; at 1000 rates at purchaser's expense by express. **25 of a kind will be sold at 100 rates; 250 at 1000 rates.**

CARNATIONS See Florists' Exchange Jan. 27, or send for list.
COLEUS. We have enough wood to make 100,000 Coleus between now and spring. Our stock is free from mealy bug and in good shape.
Golden Bedder, Red Verschaeffeltii and **Yellow Verschaeffeltii.** 75c. per 100; $6.00 per 1000.
Besides the above sorts we grow 30 other best commercial varieties, which we can supply at 75c. per 100; $5.00 per 1000.
FUCHSIAS 25 varieties, best sorts, labeled, single and double. $1.25 per 100; $10.00 per 1000.
HARDY PINKS. We have 60,000 Hardy Pink Rooted Cuttings in cold house, well-rooted, and in excellent condition. 8 sorts as follows:
Her Majesty, giant white; **Alba Fimbriata,** white, fringed; **Brunette,** pink, with maroon markings; **Earl of Carlisle,** variegated maroon, rose and white; **Juliette,** cherry red, variegated pink and white; **Gertrude,** white, maroon markings; **Laura, Wilmer,** pink, with darker shadings, fringed; **May,** beautiful flesh pink, very fragrant.
$1.00 per 100; $8.00 per 1000.

Salvia splendens compacta, $1.00 per 100; $8.00 per 1000. **Lady Hume Campbell Violet,** clean, no disease; rooted cuttings from sand, 60c. per 100; $5.00 per 1000. **Double Petunia,** labeled, 25 sorts, $1.50 per 100. **Clematis Paniculata,** transplanted seedlings; nice, thrifty plants, $2 00 per 100. **Heliotrope,** light sorts, labeled, $1.00 per 100; $8.00 per 1000.

A. B. DAVIS & SON, Purcellville, Va.

(Near Washington, D. C.)

Mention the Florists' Exchange when writing.

New Ever-blooming Geranium

AMERICA



Finest grower for pots or bedding. Color, white, salmon and rose in full sun, color of Begonia Gl. de Lorraine.

Floriferousness Phenomenal
Strong plants. 50c. each; $5.00 per doz.

MARS 2¼ inch pots, $5.00 per 100.

Set of Best 15 Novelties of 1899 Such as La Fraicheur, Emanuel Arene, Drydea, Southey, etc., for $2.00. This is the best bargain of the season. Plants guaranteed A1 in every respect.
CASH, PLEASE.

H. EICHHOLZ, Waynesboro, Pa

Mention the Florists' Exchange when writing.

PRIMROSES FOR EASTER BLOOMING

2 in., $2.00 per 100.

ROOTED CUTTINGS.

GERANIUMS—	Per 100
Mrs. Parker, Double Pink, Silver Leaf	$4.00
Silver Leaf, Rose Scented	1.50
Mme. Salleroi	1.25
Double New Life, R. C.	4.00
Mrs. Pollock, Happy Thought, $2.00 per 100.	
Bronze	$1.50 per 100.
Mars, Freak of Nature, $3 a 100.	
Assorted (common), $1.50 a 100.	
Best varieties, $2.00 per 100.	
Mme. Bruant, $2.50 per 100.	
Mixed, $1.25 a 100; $12.00 a 1000.	

	Per 100
Manettia Bicolor	$2.00
Vinca	1.50
Salvia	1.25
Heliotrope	1.25
Begonia Erfordii	2.00
Begonia, Rex	2.00
Begonia Inc. Gigantea	2.00
Impatiens Sultani	2.00
Forget-Me-Not (Winter Flowering)	2.00
Ageratum blue and white,	1.00
" Princess Pauline,	1.25
Alternantheras, red and yellow, Summer struck,	$1 a 100; $9 00 per 1000.

Alternantheras, red and yellow, 60c. per 100; $5 per 1000.	
Alyssum, Double Giant,	$1.00 per 100.
Tradescantia Tricolor,	$2.00 per 100.
Fuchsias, assorted,	$1.50 a 100.
Sun Ray, variegated red, white and green,	$4.00 a 100.
Trailing Queen,	$1.50 a 100.
German Ivy,	$1.25 a 100.
Lemon Verbena,	$1.50 a 100.
COLEUS—	
Fancy and large leaf	$1.00
Separate colors	.80
Mixed	.60

Let us book your order now for the **BEST LATE WHITE 'MUM** for florists, use, rooted cuttings, $2.00 per 100.

PLANTS.

GERANIUMS—	Per 100
Mrs. Parker	$6.00
Happy Thought, 2½ in	4.00
Silver Leaf, 2½ in	4.00
Mrs. Pollock, 2¼ in	4.00
Forget-Me-Not (Winter Flowering) 2½ in	4.00
Mignonette, 2 in	2.00

BEGONIAS—	Per 100
Rex, assorted, 2½ in	$4.00
" named	6.00
Primrose, in bud, 2¼ in.	3.00
Primula Obconica, 2 in., $2 a 100; in flats, $1.50 a 100.	
LEMON VERBENAS, $3.00, $4.00 and	6.00

	Per 100
Antherieum, 3 in	$6.00
Dracæna Indivisa, in flats	5.00
Manettia Bicolor, 2½ in.	4.00
Fragrant Calla, 2½ inch, 1.50 per doz.	
Fragrant Calla, 4 inch, $3.00 per doz.	

Terms, Cash or C. O. D.

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

J. K. ALLEN,
Wholesale Commission Dealer in
CUT FLOWERS
106 W. 28th Street, New York.
Orders by mail or telegraph promptly attended to. Telephone, 167 Madison Square.
Fine ROSES and CARNATIONS, Specialties.

W. S. ALLEN,
17 West 28th St., New York.
Correspondence Solicited.

BLAUVELT & GUTTMAN,
36 W. 27th St., NEW YORK.
Wholesale Commission Florists
Consignments of first-class stock solicited.
Orders by mail or telegraph receive the best of attention. 'PHONE 1290 Madison Sq.

CUT FLOWER EXCHANGE
404-412 E. 34th St., N. Y., near Ferry.
Open every Morning at 6 o'Clock A. M. for the Sale of Cut Flowers.
This is not a commission house; the market consists of individual stands.
Wall Space for Advertising Purposes to Rent.
J. DONALDSON, SECRETARY.

JULIUS LANG,
Wholesale Florist
53 WEST 30th St.
Consignments Solicited. NEW YORK.
TELEPHONE 280 MADISON SQ.

FRANK MILLANG,
Wholesale Commission Dealer in
CUT FLOWERS
408 E. 34th St., NEW YORK CITY.
Cut Flower Exchange.
Telephone Call, 299 Madison Square.

MOORE, HENTZ & NASH,
WHOLESALE
Commission Florists,
Located in Salesroom of the New York Cut Flower Co.
119-121 W. 23d St., New York.
Telephone 788 18th St.

THE NEW YORK CUT FLOWER CO.
119-121 West 23d Street,
112-114 West 24th Street,
Telephone 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders

Carnations Roses
John I. Raynor,
49 West 28th St.,
Telephone 1998 Madison Square. New York.
Violets Valley

All Business is Running to Specialties
GEORGE SALTFORD
Makes a Specialty of
VIOLETS
At 50 West 29th St., New York.
Send Your Consignments. Tel. 1304 Madison Sq.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR NOVELTIES
Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
ORCHIDS A SPECIALTY.
JAMES McMANUS, Telephone, 739 Madison Square. 50 W. 30th St., NEW YORK

"Always Ready to Receive Fine Stock."
VIOLETS ROSES
W. H. GUNTHER,
Wholesale Florist,
30 West 29th St., New York.
Carnations ORCHIDS

WALTER F. SHERIDAN,
Wholesale Commission Dealer in CUT FLOWERS
39 W. 28th STREET, NEW YORK.
Receiving Extra Quality AM. BEAUTIES and all other varieties of Roses.
TELEPHONE 902 MADISON SQUARE. CARNATIONS.

...Wholesale Prices of Cut Flowers...

	Names and Varieties	New York Feb. 9, 1900	Boston Feb. 1, 1900	Philadelphia Feb. 8, 1900	Baltimore Feb. 7, 1900	Buffalo Feb. 8, 1900
Roses	A. Beauty, fancy—special	40.00 to 60.00	25.00 to 30.00	50.00 to 75.00	.... to	40.00 to 65.00
	" extra	30.00 to 40.00	16.00 to 20.00	30.00 to 50.00	30.00 to 40.00	20.00 to 30.00
	" No. 1	20.00 to 25.00	6.00 to 12.50	25.00 to 35.00	15.00 to 25.00	10.00 to 20.00
	" Culls & ordinary	4.00 to 12.00	2.00 to 6.00	5.00 to 15.00	6.00 to 12.00	4.00 to 10.00
	Bride	3.00 to 15.00	1.00 to 12.50	4.00 to 12.00	4.00 to 6.00	4.00 to 10.00
	Bridesmaid	3.00 to 15.00	1.00 to 12.50	4.00 to 12.00	4.00 to 7.00	4.00 to 10.00
	Hoste	.... to	.... to	.... to	.... to	.... to ....
	Jacqueminot	.... to	.... to	.... to	.... to	.... to ....
	K. A. Victoria	.... to	1.00 to 12.50	4.00 to 12.00	4.00 to 5.00	.... to ....
	La France	3.00 to 6.00	.... to	3.00 to 10.00	3.00 to 6.00	.... to ....
	Mermet	.... to	.... to	.... to	.... to	3.00 to 8.00
	Meteor	2.00 to 10.00	1.00 to 8.00	4.00 to 12.00	.... to 6.00	4.00 to 10.00
	Mrs. Pierpont Morgan	2.00 to 5.00	.... to	.... to	.... to	.... to ....
	Niphetos	.... to	.... to	.... to	.... to	3.00 to 6.00
	Papa Gontier	.... to	.... to	4.00 to 6.00	3.00 to 4.00	3.00 to 6.00
	Perle	2.00 to 6.00	1.00 to 6.00	3.00 to 10.00	3.00 to 5.00	3.00 to 6.00
	Souv. de Wootton	.... to	.... to	.... to	.... to	3.00 to 6.00
	Orchids—Cattleyas	40.00 to 60.00	.... to	50.00 to 60.00	.... to	.... to ....
	Cypripediums	.... to 12.50	8.00 to 12.50	.... to 15.00	.... to	.... to ....
	Dendrobium formosum	15.00 to 25.00	.... to	25.00 to 35.00	.... to	.... to ....
Carnations	Inf'r grades, all colors	.75 to 1.00	.50 to .75	.50 to 1.50	.75 to 1.25	.50 to .75
	Standard Varieties: White	1.00 to 2.00	1.00 to 1.25	1.00 to 2.00	1.50 to 2.00	1.00 to 2.00
	Standard Varieties: Pink	1.00 to 2.00	1.00 to 1.25	1.00 to 2.00	1.50 to 2.00	1.00 to 2.00
	Standard Varieties: Red	1.00 to 2.00	1.00 to 1.25	1.00 to 2.00	1.50 to 2.00	1.00 to 2.00
	Standard Varieties: Yel.&Var.	1.00 to 2.00	1.00 to 1.25	1.00 to 2.00	1.50 to 2.00	1.00 to 2.00
	*Fancy—(The highest grades of standard var): White	3.00 to 6.00	.... to 1.50	1.50 to 3.00	2.50 to 3.00	2.00 to 3.50
	*Fancy—(The highest grades of standard var): Pink	3.00 to 6.00	.... to 1.50	1.50 to 4.00	2.50 to 3.00	2.00 to 3.50
	*Fancy—(The highest grades of standard var): Red	3.00 to 6.00	.... to 1.50	1.50 to 3.00	2.50 to 3.00	2.00 to 3.50
	*Fancy—(The highest grades of standard var): Yel.&Var.	4.00 to 8.00	.... to 1.50	1.50 to 3.00	2.50 to 3.00	2.00 to 3.50
	Novelties	10.00 to 15.00	2.00 to 3.00	3.00 to 6.00	.... to	.... to ....
	Adiantum	.... to 1.00	.50 to .75	.25 to 1.00	.... to 1.00	.75 to 1.25
	Asparagus	35.00 to 50.00	.... to 50.00	35.00 to 50.00	25.00 to 75.00	30.00 to 60.00
	Callas	5.00 to 8.00	.... to 8.00	10.00 to 15.00	6.00 to 10.00	10.00 to 16.00
	Hyacinths	1.00 to 1.25	1.00 to 1.50	1.00 to 4.00	1.00 to 2.00	2.00 to 3.00
	Lilies	10.00 to 12.50	6.00 to 8.00	.... to	.... to	18.00 to 20.00
	Lily of the Valley	1.50 to 3.00	2.00 to 4.00	2.00 to 6.00	2.00 to 4.00	2.00 to 4.00
	Mignonette—ordinary	2.00 to 4.00	1.00 to 2.00	1.00 to 3.00	1.50 to 3.00	1.50 to 3.00
	Mignonette—fancy	5.00 to 8.00	.... to 3.00	2.50 to 4.00	.... to	3.00 to 6.00
	Narcissus	1.50 to 2.00	1.00 to 3.00	2.00 to 4.00	.... to	2.00 to 3.00
	Smilax	6.00 to 10.00	10.00 to 12.50	10.00 to 20.00	12.00 to 25.00	10.00 to 15.00
	Sweet Peas	.... to	.... to	2.00 to 3.00	.... to	.... to ....
	Tulips	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	2.00 to 3.00	3.00 to 4.00
	Violets	.35 to .60	.50 to .75	.25 to .75	.40 to .60	.50 to .75
	Violets, special	.75 to 1.00	.... to 1.00	.75 to 1.50	.... to	1.00 to 1.25

For Prices of Fancy and Special Stock see our Correspondence Columns.
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...Wholesale Prices of Cut Flowers...

	Names and Varieties	Chicago Feb. 7, '00	St. Louis Feb. 5, '00	Cincinnati Feb. 6, '00	Milwaukee Feb. 5, '00	Pittsburg Feb. 5, '00	Toronto Feb. 6, '00
Roses	A Beauty, fancy—special	50.00—65.00	35.00—50.00	....—	50.00—100.00	30.00—40.00	....—35.00
	" extra	35.00—40.00	20.00—35.00	....—	25.00—35.00	20.00—25.00	....—20.00
	" No. 1	15.00—25.00	10.00—20.00	....—	12.50—15.00	12.00—15.00	10.00—15.00
	" Culls & ordinary	3.00— 8.00	5.00—10.00	....—	6.00— 8.00	5.00—10.00	....— ....
	Bride	4.00— 8.00	6.00— 8.00	6.00— 8.00	6.00—10.00	4.00—10.00	4.00—12.00
	Bridesmaid	4.00—10.00	6.00— 8.00	6.00— 8.00	6.00—10.00	4.00—10.00	4.00—12.00
	Hoste	....—	....—	....—	....—	....—	4.00— 8.00
	Jacqueminot	....—	....—	....—	....—	....—	....— ....
	K. A. Victoria	....—	....—	....—	8.00—10.00	....—	....— ....
	Le France,	....—	....—	....—	....—	....—	....— ....
	Mermet	....—	....—	6.00—10.00	....—	....—	3.00—12.00
	Meteor	4.00—10.00	5.00— 6.00	....—	8.00—10.00	4.00—10.00	4.00—12.00
	Mrs. Pierpont Morgan	....—	....—	....—	....—	....—	3.00—10.00
	Niphetos	....—	....—	....—	....—	....—	....— ....
	Papa Gontier	....—	....—	....—	....—	....—	....— ....
	Perle	3.00— 6.00	4.00— 6.00	4.00— 6.00	6.00— 8.00	3.00— 6.00	3.00—10.00
	Souv. de Wootton	....—	4.00— 6.00	....—	....—	....—	4.00—12.00
	Orchids—Cattleyas	50.00—60.00	....—	....—	....—	....—	25.00—30.00
	Cypripediums	....—15.00	....—	....—	....—	....—	....—10.00
	Dendrobium formosum	.... —	.... —	.... —	.... —	.... —	.... — ....
Carnations	Standard Varieties: Inf'r grades, all colors	.50— .75	....— 1.00	.... — 1.00	1.50— 2.00	.50— .75	1.50— 2.00
	Standard Varieties: White	1.00— 1.50	1.50— 2.00	1.50— 2.00	1.50— 2.00	1.00— 1.25	2.00— 3.00
	Standard Varieties: Pink	1.00— 1.50	1.50— 2.00	1.50— 2.00	1.50— 2.00	1.00— 1.25	2.00— 3.00
	Standard Varieties: Red	1.00— 2.00	1.50— 2.00	1.50— 2.00	1.50— 2.00	1.00— 1.25	2.00— 3.00
	Standard Varieties: Yel.&Var.	1.50— 2.00	1.50— 2.00	.... —	1.50— 2.00	1.00— 1.25	2.00— 3.00
	*Fancy— White	2.00— 3.00	2.50— 3.00	3.00— 4.00	3.00— 4.00	1.50— 2.50	3.00— 5.00
	*Fancy— Pink	2.00— 4.00	2.50— 3.00	3.00— 4.00	3.00— 4.00	1.50— 2.50	3.00— 5.00
	*Fancy— Red	2.00— 4.00	2.50— 3.00	3.00— 4.00	3.00— 4.00	1.50— 2.50	3.00— 5.00
	*Fancy— Yel.&Var.	2.00— 4.00	2.50— 3.00	....—	3.00— 4.00	1.50— 2.50	3.00— 5.00
	(*The highest grades of standard var) Novelties	.... —	.... —	.... —	.... —	.... —	3.00— 5.00
	Adiantum	1.00— 1.25	1.00— 1.25	....— 1.00	....— 1.50	1.00— 1.25	.50— 1.00
	Asparagus	50.00—60.00	....—	....—	....—	35.00—50.00	20.00—50.00
	Callas	12.00—15.00	10.00—15.00	....—10.00	....—12.50	.... —	6.00—12.50
	Hyacinths	2.00— 3.00	2.00— 3.00	....—	....—	2.00— 3.00	....— ....
	Lilies	12.00—15.00	10.00—12.50	12.00—15.00	....—	....—20.00	....— ....
	Lily of the Valley	3.00— 4.00	3.00— 4.00	....— 4.00	....—	3.00— 4.00	2.50— 4.00
	Mignonette—ordinary	2.00— 4.00	.... —	.... —	....— 2.00	2.00— 3.00	....— ....
	Mignonette— " fancy	6.00— 8.00	....—	....—	....— 3.00	4.00— 5.00	....— ....
	Narcissus	2.00— 4.00	2.00— 3.00	2.00— 3.00	....—	2.00— 3.00	3.00— 4.00
	Smilax	12.00—15.00	12.50—15.00	12.00—15.00	....—15.00	10.00—15.00	....— ....
	Sweet Peas	.... —	1.00— 2.00	.... —	.... —	.... —	.... — ....
	Tulips	2.00— 4.00	2.00— 3.00	3.00— 4.00	....—	3.00— 4.00	2.00— 4.00
	Violets	.40— .75	....—	75— 1.00	....— .50	.50— .75	.50— 1.00
	Violets—special	1.00— 1.25	.40— .60	....—	.75— 1.00	1.00— 1.50	....— 1.50

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CUT STRINGS, 8 feet long,
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Shipped to any part of the country.
Roses, Carnations, Violets, Valley, Sprengeri, Smilax, Galax, Ferns, Wild Smilax,

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Buffalo.

Trade Notes.

Business is a bit uneven. Sunday saw the beginning of almost a rush of funeral work, and with which some stores were crowded. Tuesday saw all the white and light blooms available quickly picked up with not enough to go around.

Adams is renovating the interior of his store, work being temporarily done in adjoining quarters.

Palmer & Son now show fine La Reine tulips and daffodils, while a few rhododendrons, the acme of fine forcing, are noticeable.

Recent visitors included: Arnold Ringier, of Chicago; E. R. Frey, Rochester; W. M. Latt, Warren, Pa., and Thos. Mansfield, Lockport, N. Y.

VIDI.

Cincinnati.

Market Items.

Stock is still scarce and flowers of all kinds are in great demand. Funeral pieces galore are pouring into Covington, Ky., from all points in that state and in Ohio, for the funeral of the late Senator Goebel.

Roses still remain unusually scarce, while carnations are not a glut by any means.

News Notes.

February 10 is our rose meeting, and we expect quite a delegation of florists from Indianapolis, Richmond and New Castle, Ind. Look out for some phenomenal bowling scores!

The residence of James Allan was broken into last week and about $75 worth of goods stolen. Fortunately the thieves were captured and are now in jail awaiting trial. E. G. GILLETT.

St. Louis.

Market Notes.

Anything in the way of interesting news is very scarce from this location. Complaint of dull business is general, and in some cases bitter. Wholesale men sell out clean, but what they get in would be only a drop in the bucket if there were any activity in the retail line. Best roses bring as high as 10c. down to 5c. for common. Carnations come in quite freely, going at about 2c. to 4c.; some are very poor, selling as low as 1½c. Violets are firm, at 40c. per 100 for California. Harrisii bring 12c. to 15c.; Von Sion, 4c. Very few tulips are in this market so far. Best freesia is worth 4c. Romans and Paper Whites, reached 4c., but dropped again to 2c. and 3c. There are no Beauty on the market worth speaking about.

The Winter here, so far, has been comparatively mild; at no time has zero been reached, with a considerable shortage of rainfall to the inconvenience of those depending on ponds for a water supply. Notwithstanding the open, mild Winter, roses outside have been killed badly, probably owing to the almost growing weather we had late in the Fall, then suddenly turning to about the coldest spell of the Winter.

Notes.

There are some elegant plants of cyclamen about town grown by A. Jablonsky, of Wellston, who also is very successful with the Alaska carnation. As grown by him it is still a white hard to beat.

Geo. Windler is producing Jubilee that would make some of the new reds take off their hats to them. If this variety were a better producer and keeper we would not be in a hurry to change it for any other red.

The Plant Seed Co. and Shisler-Corneli Seed Co. were caught in a disastrous fire Sunday morning that swept over three blocks of business houses, destroying $3,000,000 worth of property. The Plant Co.'s place was partially damaged by water only; the amount could not be estimated at present writing. A large part of their stock was in warehouses, and all their garden seeds were uninjured, consequently they can go on with business and fill all orders with first quality seeds as usual. Loss is fully covered. Shisler-Corneli's stock was a total loss, amounting to between thirty-five and forty thousand dollars. They have opened up an office and will resume business at once, having large stocks in transit. They were also fully insured.

C. C. S.

Denver, Colo.

Isaac Stephenson, for years connected with the Gallup establishment here, is a very sick man.

Rochester, N. Y.

By the combined action of the retailers the last Mayor was finally induced to withhold a license from flower vendors, and the Greeks disappeared from the streets for a few months. With a change of administration they have again appeared, and their show-case bore a card, the other day, with the sign "Sweet Senate Violets, 25c. a bunch."

G. A., JR.

Syracuse, N. Y.

The eleventh annual meeting of the Central New York Horticultural Society was held January 30. President Betts, in his address, hoped the way would be open for the society to give a flower and fruit exhibition in November next. The reports of the secretary and treasurer showed the society to be in a prosperous condition.

The following officers were elected: President, S. T. Betts; vice-presidents, E. A. Powell, A. D. Perry, J. William Smith, L. E. Marquisee, C. W. Snow and A. C. Chase; secretary, N. H. Chapman; trasurer, David Campbell. Members of the Executive Committee for three years, S. W. Rose and C. A. Fox. It was decided that the Executive Committee shall arrange for lectures on horticulture during February, March, April and May, one lecture to take place each month. The principal feature of the evening's meeting was an address on "How Not to Do It," by Grove P. Rawson.

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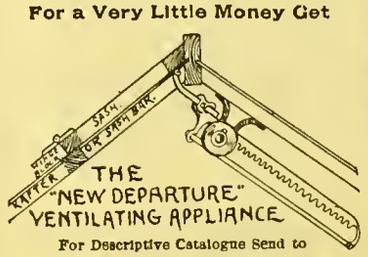

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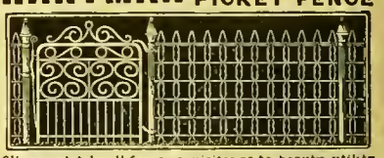

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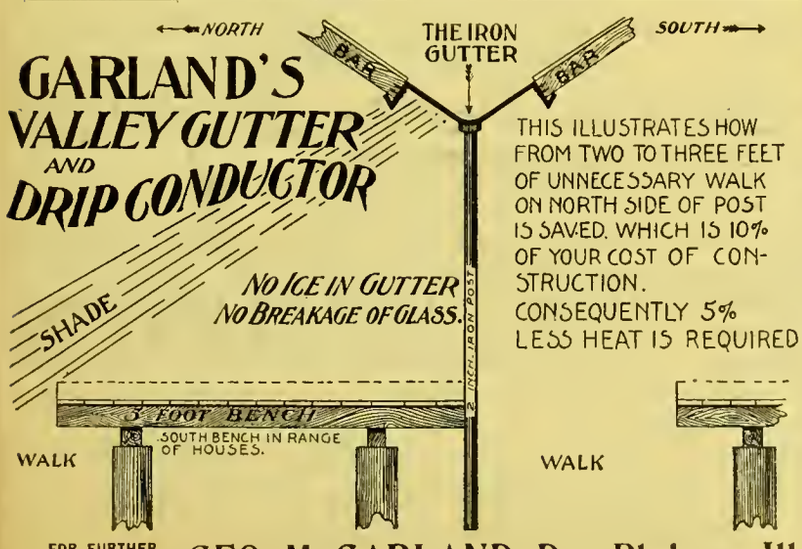

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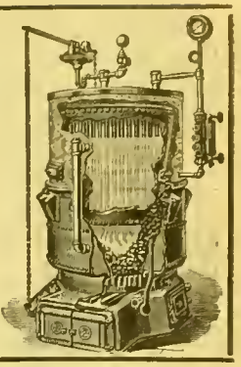

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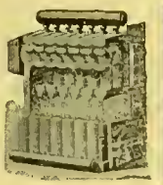

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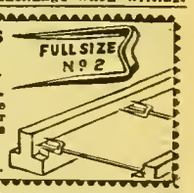

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MAMMOTH VERB large rooted plants, 60c. per 100; $5.00 p ms, S. A. Nutt, Hill, Grant, La Fa in., $2.50 per 100; 3 in., $3.0 $5.00 per 100, in bud and bloom; **Rooted Cuttings**, Blue Ageratum, Double Petunias, Lobelia and White Stock per 100. Samuel Whitton, 15-17 Gray Ave., Utica, N. Y.

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ROOTED CUTTINGS Large assortment Geraniums and Coleus, some new transplanted stock, fine condition. Begonia Erfurdi and Vernon, Heliotropes, Salvias, Choice Double and Single Petunias, some new Verbenas, Pansies, Giant and Bugnot, etc. Prices right. Send for List.

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Good Plants, $4.00 per 1000; $2.50 per 500.

Extra Large Transplanted Plants in bloom, as good as in spring, $2.50 per 100.

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The Jennings Strain. 200,000 fine, stocky plants, from cold frames, varieties the finest, many are curled and fringed. 100 plants by mail, 60 cts.; 1000 plants by express, $3.50; large plants in bud, by express, $5 a 1000; extra fine Pansy blooms, by mail, 50c. a 100.

Pansy Seed of above, $1.00 per pkt.; $5.00 per oz. Separate colors in plants or seed if wanted.

Choice Mixed Gladiolus, all colors, 50 cts. per 100. Extra large **Scarlet Amaryllis Bulbs**, $6.00 per 100; medium size, $3.00 per 100.

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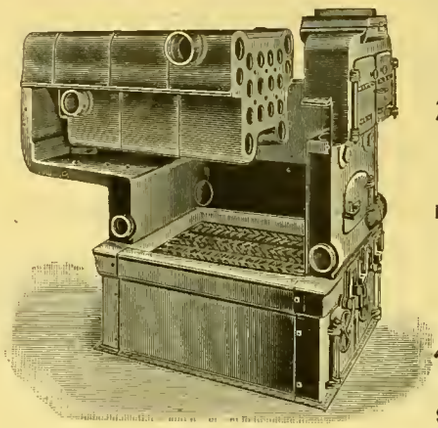

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500 to 1000 LATANIA BORBONICA 3-4 in. pots, FOR BOSTON FERNS.

Same or similar sizes.

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Strong 2½ in. plants, $3.00 per 100; $25.00 per 1000.

Fine plants, in 3½ and 4 in. pots, $6.00 per 100; $50.00 per 1000.

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N. Exaltata Bostoniensis.
Small plants, $5.00 per 100; $40.00 per 1000; not less than 250 at 1000 rate. Large plants, $6.00 to $12.00 per 100.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsterianas, 8-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $3.00 to $10.00 ea.
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A fine assortment for florists use, from 2½ and 3 inch pots. Also

Selaginella Emmeliana, Cyperus Alternifolius, $3.00 per 100.

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4 inch pots.....	$2.50 per doz;	$20.00 per 100.	
5 "	4.75 "	35.00 "	
6 "	9.00 "	70.00 "	
7 "	1.25 each, and fine specimen plants from $6.00 and upwards.		

Areca Lutescens, fine plants from $5.00 upwards.
Kentia Belmoreana and Forsteriana—
4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, well grown, from $2.50 and upwards.
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Phœnix Canariensis, Rupicola and Reclinata, fine specimen plants, from $3.00 to $5.00 each.
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ASPARAGUS SPRENGERI 3 in. pots, $1.00 a doz. 6 in. pots, 25c. each.

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Plants in 6 in. pots, $1.00 each.
Plants in 7 in. pots, $1.25 each.
Plants in 8 in. pots, $1.50 each.

FINE PLANTS IN GOOD CONDITION.
WE MUST HAVE ROOM.

Cash with Order.

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"New" Enameled **POTCOVERS** superior to anything in the market. Any color you desire.

6 inch.....$3 per dozen	9 inch.....$6 per dozen	11 inch. .....$8.25 per dozen
7 inch.....$4 per dozen	10 inch.....$7 per dozen	12 inch.....$10.00 per dozen
8 inch.....$5 per dozen		

Stands to match 75 cents each.

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We are a straight shoot and aim to grow into a vigorous plant.

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL.

Vol. XII. No. 7. NEW YORK, FEBRUARY 17, 1900. One Dollar Per Year.

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We offer Strong-Rooted Cuttings of ALL THE NOVELTIES OF THE SEASON and OTHER EXTRA CHOICE SORTS.

Mrs. Thomas W. Lawson. The celebrated $30,000 Carnation.
$14.00 per 100; $120.00 per 1000.

Olympia. A grand, fancy Carnation. While fully as large as MRS. GEORGE M. BRADT, or larger, it is said to produce 25 per cent. more flowers than that popular variety.
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Ethel Crocker. One of the best all-round pink Carnations ever offered to the trade.
$10.00 per 100; $75.00 per 1000.

Genevieve Lord. As a Carnation for retailing nothing can excel this variety, on account of its beautiful color—light silvery pink—and fine stem. One of the very finest introductions of the season.
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We can also supply all the best of the recent NOVELTIES and STANDARD SORTS as follows:—

	Per 100	Per 1000
G. H. Crane, General Macco	$6 00	$50 00
General Gomez, Mrs. George M. Bradt	5 00	40 00
White Cloud, Gold Nugget, Melba	4 00	30 00
Mrs. James Dean, Mrs. Frances Joost, John Young, New York, Jubilee	3 00	20 00
Mayor Pingree, Flora Hill	2 00	15 00

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THEY ARE NOT A CONTINUATION OF FORMER YEARS.

The motive, the goods involved, the source from whence they came, and the conditions that regulate prices are wholly different.

"GET YOUR MONEY'S WORTH" and send for our Wholesale Catalogue of **New Seeds, Bulbs and Plants,** just issued.

MEASURED BY FORMER PRECEDENTS, as well as current standards, the values recorded therein are truly interesting.

As before said, we shall continue to appear in this corner each week, with our specials in **NEW SEEDS, NEW BULBS** and **NEW PLANTS, but our much appreciated phenomenal success and the steadily increasing business has forced us to put our many specials in book form.**

DON'T SEND FOR IT if you expect a book for adorning the parlor table.

Asparagus Plumosus Nanus.

Nothing will pay you better to grow—it can be put to so many uses—try a thousand seeds for $9.00; every one grows and makes a plant worth a quarter before Summer.

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In order of receipt, for Rooted Cuttings of the Famous....

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The $30,000 Queen of CARNATIONS FOR SPRING DELIVERY.

COMMENCING FEBRUARY 1st, 1900.

Prices:

Per dozen	$3
Per 100	$14
Per 1000	$120
Per 5000	$500
Per 10,000	$800

Terms: Strictly Cash, or C.O.D. from Unknown Parties.

The quoted prices are for THE TRADE ONLY, and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower,

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NEW CARNATIONS

We are now ready to take orders for Strong-Rooted Cuttings.

Mrs. James Dean Color clear silvery pink, delicate and chaste, yet brilliant and effective under all lights. Flower large, very full as season advances, and borne on long wiry stem calyx perfect. Habit similar to Scott, with the same healthy glaucous foliage as Scott. About 6 inches taller than Scott. A free bloomer, but spreads its crop evenly over the blooming season. There is no healthier carnation grown, and we believe it to be the ideal light pink. The merit of this variety is conceded alike by growers, dealers and the flower-buying public. Has proved a prize-winner whenever shown this season as well as last. A fine, healthy carnation that every grower ought to succeed with. One of our favorites. To grow this variety to advantage take strong February struck cuttings; pot in 2-inch pots, shift to 3-inch as soon as needed, plant in field as early as is safe, pinch back every week only such shoots as distinctly show bud formation. Lift August 1st to 10th. Dont pinch back after lifting, save such shoots as show premature, short-stemmed buds, give lots of air and a temperature of 52 to 54 degrees at night. Syringe thoroughly once in 10 days with fine spray and strong pressure. Treated in this way it commences flowering with us October 1st and continues constantly till August. Giving nearly as many blooms as Scott. This is one of the best selling varieties grown, and we are not yet prepared to replace it by any variety of its class yet in sight **$3.00 per 100; $25.00 per 1000.**

White Cloud White, habit same as Daybreak, but taller, stronger, more vigorous and an earlier, freer bloomer. It commences blooming among the earliest, and throws a fine, long, stiff stem from the beginning and continues its crop through the season. Flower large, excellent form and finish, good substance and very full. Strong, fruity fragrance. Calyx strong and holds the full bloom well in hand. We consider this the best white we have ever grown. Our record of blooms cut the past season show it to be the most productive of all white carnations. This is distinctively a winter bloomer, and in the early fall months if fed highly before the plants are well established it will give many deformed buds. It needs to be well established and the cool weather of winter to bring it to perfection. The grandest white yet grown. **$4.00 per 100; $30.00 per 1000.**

Mrs. Geo. M. Bradt The most distinct, largest flower and most sought after fancy carnation yet out, blooms always sold ahead at the highest prices, ranging from $1 to $2 per dozen wholesale on the New York market; color clear white, heavily edged, and striped with bright scarlet; flowers enormous, very full, high rounded center; habit strong, vigorous, but dwarf enough for side benches; constant bloomer from early to late; unquestionably the best of all variegated carnations; this variety does not produce cuttings freely, consequently stock will always be scarce and high. **$5.00 per 100; $40.00 per 1000.**

25 at 100 rate; 250 at 1000 rate.

We have fine, large, healthy stocks, and will deliver only fine, strong, well-rooted cuttings.

Send your Orders Early.

C. W. WARD, MANAGER.

THE COTTAGE GARDENS, Queens, N. Y.



IT IS IN THE SPRING TIME

THAT YOU GET THE BEST RESULTS FROM SEED PLANTED NOW.

SWEET WM. Fine mixed, single, trade pkt., 10c.

HELIOTROPE. Fine mixed, trade pkt., 25c.

LOBELIA. Crystal Palace Com., trade pkt., 25c.

PRIMULA. Choice mixed half trade pkt., 50c.

VERBENA. Our New Mammoth, trade pkt., 25c.

ASTER. All colors, branching, trade pkt., 25c.

Old Oaken Bucket is now ready—send for it.

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	Per oz.
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Ampelopsis Veitchii (Japan Ivy)	.25

ASPARAGUS

Plumosus Nanus, per 100 seed,	$1.00
Sprengeri, per 100 seed,	.75

ASTERS

Semple's Branching—White, pink, lavender, crimson, purple. Per ⅛ oz., 15 cts.; per oz., 75 cts.

Queen of the Market—White, pink light blue, dark blue. Per ⅛ oz., 15 cts.; per oz., 60 cts.

Victoria, in six colors. Per ⅛ oz., 25 cts.; per oz., $2.00.

Begonia Vernon, per ⅛ oz.,	$0.50
Candytuft Empress, per oz.,	.20
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MIGNONETTE Machet Improved. Per ¼ oz., 25c.; oz., 75c.

PHLOX, Nana Compacta

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Fireball	$0.40	$2.50
Snowball	.30	2.00
Mixed	.25	1.50

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FOR FLORISTS.

All Home-Grown Seeds.

	¼ Oz.	Oz.
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" " Purity, White	2.00	6.00
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" Vick's Branching, in colors, White, Pink, Crimson and Purple, each	.25	.75

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VERBENA GRANDIFLORA. The finest strain of Improved Giant Verbenas yet produced, largest flowers and best colors, good percentage white, per pkt., 800 seeds, mixed colors, 50 cts.

CYCLAMEN GIGANTEUM. The choicest Giant-flowering varieties in best mixture, pkt., 200 seeds, $1.00; half pkt., 50 cts.

CHINESE PRIMROSE. Best large, single and double, 500 seeds, $1.00

PHLOX DRUM. PUMILA. New, very dwarf, perfect beauties, excellent for growing in pots for Spring sales, mixed colors, per trade pkt., 20 cts.

PANSY Finest Giant. Choicest mixed Mammoths, 3500 seed; $1.00; ½ pkt., 50 cts. A pkt. of New Double Early-flowering Dwarf Vienna Carnation added to every order.

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The Home of Primroses.

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Sweet Peas

Wholesale Catalogue on application.

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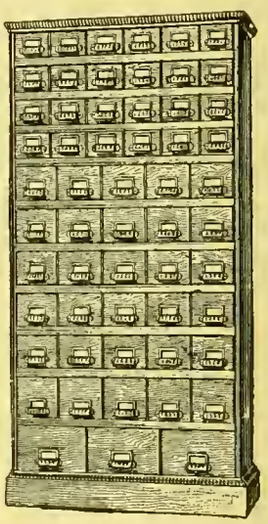

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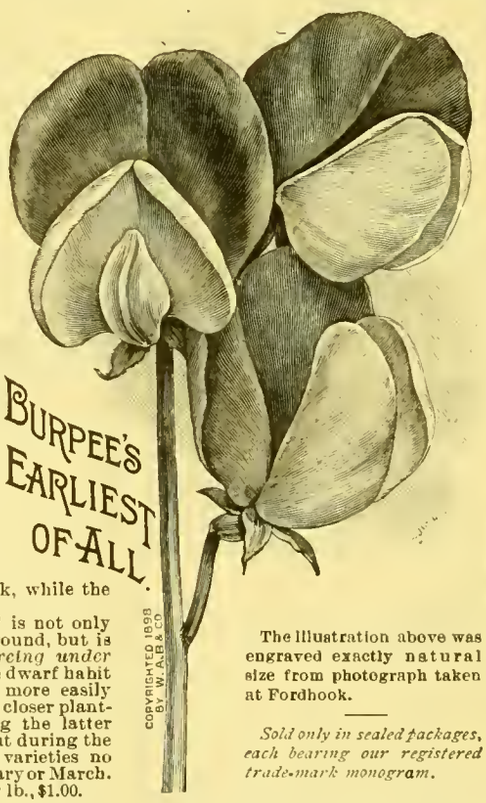
Notwithstanding their dwarf habit and neat, slender foliage, the plants are of vigorous growth and come into bloom **always ten days to two weeks in advance of the Extra Early Blanche Ferry**, which has been heretofore a week ahead of all all other varieties. Growing only two feet in height, the plants do not require the support of brush or trellis. As an illustration of its extremely early-flowering habit, we would state that October 15th we had plants in fine bloom *from seed gathered from our spring planting* and sown during the latter part of August. A constant succession of bloom may be had from June until November by making sowings about one month apart. Its extremely early-flowering habit makes it most satisfactory for the Southern States, as it may be easily had in full bloom before the hot summer weather. The flowers are as large as those of the regular strains of *Blanche Ferry*, and have long, stout stems, making them entirely satisfactory for cutting; they are borne in close clusters of three, all facing one way. The standards are a bright, rich pink, while the wings are nearly pure white.

BURPEE'S "EARLIEST OF ALL" is not only the earliest to bloom in open ground, but is also *the most desirable for forcing under glass for winter cut flowers.* The dwarf habit of this variety renders it much more easily grown on the benches, admits of closer planting, and from seed sown during the latter part of August blooms may be cut during the holidays, while with the taller varieties no blooms could be had before February or March.

Per oz., 10c.; per ¼ lb., 30c; per lb., $1.00.



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IF YOU PLANT FOR PROFIT you should write at once for this Wholesale List, BUT we cannot send it to private planters, even if requested to do so. ☞ The prices quoted in THE FARM ANNUAL are as low as we can afford on retail orders. Market Gardeners, canning establishments and Florists requiring large quantities of seeds are entitled to lower prices wherever possible.

A NEW FEATURE in Burpee's "BLUE LIST" that will be of special interest to growers who plant for profit, is the "plain talks" we give at the head of every department, as to just the best varieties for different purposes.

W. ATLEE BURPEE & CO.,

Producers of Only THE BEST Seeds that Grow,

BURPEE BUILDING, PHILADELPHIA, PA.

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"California Fantasies."

Perenoial varieties, Splendid mixed. Saved from a **Splendid Collection** of New, Rare, Beautiful and Esthetic Flowers. 50 cts. per trade pkt.; $1.75 per ⅛ oz.

Send for Trade List of Seeds.

MRS. THEODOSIA B. SHEPHERD,
Ventura-by-the-Sea, Cal.

NOW IS THE TIME TO BUY

ASPARAGUS PLUMOSUS NANUS SEED—(Home grown), $1.00 per 100 seeds. $9.00 per 1000 seeds.

ASPARAGUS SPRENGERI SEED. New Crop—75c. per 100 seeds; $6.00 per 1000 seeds.

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WHOLESALE PRICE LIST OF SEEDS, BULBS &c. ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS.

WE ARE GROWERS AND FOUNTAIN SOURCE OF FOLLOWING SPECIALTIES:

Lima Beans—Bush and Pole	These New Vars.	Cosmos, choice
Kentucky Wonder	California Giant	Sweet Peas "
Tall Germ'n Wax	Branching Comet Asters	Verbenas "
Creasehack	Centaurea Imperialis	Calla Bulbs, Freesia Bulbs
All other sorts Pole	Dianthus, Oriental Beauties	Seeds of all varieties of
Bermuda Grass	Masterpiece Pansy	Acacias
Cassigre	Winter Pineapple Muskmelon	Cypresses
Carrot	Chilian Watermelon	Eucalyptus
Celery	Australian Brown Onion	Palms
Lettuce	Trimph Radish	Thujas
Onion	Roselle, or Lemonads Plant	Musa Ensets
Parsnip	Asters, choice	Camphor Tree
Radish		Grevillea
Salsify		California Big Tree
Salt Bush		California Redwood Tree, Etc.

Correspondence Solicited.

JOHNSON & MUSSER SEED CO.,
LOS ANGELES, CAL.

Mention the Florists' Exchange when writing.

Boston.

Business continues about the same as reported the past two weeks, with a little extra stir to-day (Wednesday), Valentine's Day. The demand was, however, confined principally to violets, and great quantities of them were disposed of.

The weather of late has been entirely against flowers, and has caused a shortening up on most, especially roses, and also a little scarcity of good carnations.

Good roses of all kinds have been shorter this week than any time since just after Christmas. Beauty have not been very fine, as a general rule, but do fairly well at prices running from $4 to $25 a 100, extras making $35 a 100. Meteors are of fairly good quality, but not over plentiful, and make $3 to $12.50 a 100, the latter price being for good grades. There is, however, a limited supply of extra quality Meteors which make better prices. Bride and Bridesmaid, too, are shortening up considerably, and do very well at good prices. Bride make from $4 to $16 a 100 in different grades, while Bridesmaid make about the same prices, the finer grade making $20 a 100.

In carnations, fine white ones and Daybreak of best quality are scarce and do well, averaging $2.50 to $3 a 100. The other ordinary varieties are more plentiful, and make from $1 to $2 a 100. Fancies are in supply about sufficient to meet the demand, and Eldorado and other yellow sorts making $3 a 100; Bradt makes $4.

Bulbous stock is still increasing and values are proportionately decreasing. In narcissus, Von Sions and Trumpets are very plentiful, and do well at $1.50 to $2 a 100. Princeps are not quite so plentiful as yet and make better prices, going at $2.50 to $3 a 100, the latter for choicest stock. The small Campernelle makes 75c. to $1 a 100, and moves well. Paper Whites are very draggy, at 75c. to $1 a 100. Tulips are in great variety; Proserpine, Due van Thol, Keizerskroon, Yellow Prince, Lorraine, etc., being very plentiful, and, as a rule, of very good quality. Prices average on these varieties about $2.50 to $3 a 100. Dutch hyacinths, too, in the different colors of white, pink, purple, lavender, etc., add to the great quantity of bulbous stock now on the market. Hyacinths make $4 a 100 when of best quality, smaller grades going for $3. Roman hyacinths are very plentiful, at $1 to $1.25 a 100. Valley continues in good supply, at usual prices.

Lilies are becoming quite plentiful, especially Harrisii, which make $6 to $8 a 100. Callas are scarce and go as high as $10. There are a few candidums about, which do well to make up a variety, at $8 per 100. Mignonette is plentiful, at $2 to $3.50 for best grades, smaller ones making $1 and $1.50. Freesia are plentiful, at usual prices.

Violets continue in great supply and make from 50c. to 75c. a 100. A limited supply of extras go for $1 a 100.

Here and There.

J. T. Butterworth, of South Framingham, is cutting a fine lot of bulbous stock in great varieties, and disposes of quantities of it daily.

Wm. Nicholson is bringing in some stunning fine carnations—the finest, in fact, brought in to the market. His house of Daybreak is in excellent condition, as is also a house of fancy sorts.

This Saturday (February 17), at Horticultural Hall, Mr. S. D. Willard, Geneva, N. Y., lectures on "The Future Outlook For the Fruit Grower."

The following party left Boston Wednesday afternoon for Buffalo, N. Y., to attend the convention of the American Carnation Society: William Nicholson, M. A. Patten, Donald Carmichael, E. N. Pierce, Peter Fisher, William Spillsbury, S. Goddard, A. H. Lang, and Mr. Buxton.

Mr. William H. Elliott was taken to the hospital on Monday, to undergo an operation for appendicitis, with which he has been troubled for some time.

Lawrence Cotter has been confined to his home since last Saturday with quite a severe cold.

The sympathy of his many friends in the craft is extended to Mr. Fred C. Becker in the bereavement sustained by the loss of his father, a short sketch of whose life is found in this paper.

F. J. Norton.

Dundee Lake, N. J.

Higgins, the florist, had a boiler broken so bad as to be beyond repair. He is keeping the frost out of his houses with the help of stoves.

Brooklyn, N. Y.

The wholesale business of this city is again confined to but two establishments. For a few months there were three, but the firm of Perleman & Goldgarb, which conducted a wholesale house in Boerum place, have gone out of business.

Trade in general is good, stock of all kinds being readily disposed off.

H. W. Wipperman, 1389 Atlantic avenue, decorated the Union League Club rooms in grand style on the 8th inst. The occasion was the reception and dinner given by the club in honor of Admiral and Mrs. Dewey. The local press, in speaking of the decorations, said they eclipsed any of the fine displays that have hitherto been made there.

At the Emerald ball, held in the Academy of Music, on the 7th inst., Jas. Mallon's Sons put in a very pretty decoration. Besides palms and smilax in quantities, many flowering plants were used. Admiral and Mrs. Dewey occupied one of the boxes, over which the Admiral's flag, in immortelles, was to be seen.

Washington, D. C.

Mr. William Crawford, for many years with the American Rose Co., has started business for himself in a newly built store at the corner of 9th street and Grant place.

Small & Sons did an attractive piece of work for a luncheon given this week by Mrs. General Bates. On the centers of the two tables were heart-shaped pieces, about 6 inches high and 3 feet long, composed of maidenhair and small bunches of white and yellow daisies. Over each piece were three crossed arches of the same materials, standing about 2½ feet high. In the center of each and under the arches stood a golden figure of Cupid, holding a bunch of yellow ribbons, each ribbon being attached to a corsage bouquet at each plate. The flowers consisted of white and yellow Marguerites, tied with a bow of yellow satin ribbon.

O.

Springfield, O.

The Florists' Association met February 5 and organized. Only the catalogue houses are represented in the organization. The following officers were elected: President, John M. Good; vice-president, David McGregor; secretary, George H. Mellen; treasurer, Charles Schmidt. Executive Committee—George H. Mellen, Charles Schmidt and John A. Doyle.

Detroit.

There is a movement on foot in this city for the formation of a stock company, for the purpose of handling cut flowers on commission, together with a full line of florists' supplies, etc.

Wm. Dilger will be manager, and it is proposed to solicit consignments of cut flowers from the surrounding towns, and also orders for same. It is thought by the promoters that the undertaking will be a success.

PAMPHLETS RECEIVED.

Missouri Botanical Garden, St. Louis.—Eleventh Annual Report, contains, among other interesting papers, one on "Diseases of Taxodium and Libocedrus," and an exhaustive paper on Euphorbia, Section Tithymalus. Profusely illustrated.

Illustrated Catalogue of Economic Plants, Tropical Fruits and Trees in the Parc Leopo Co., Brussels, with many beautiful illustrations.

CALENDARS RECEIVED.

J. Gammage & Sons, London, Canada.—A large mercantile calendar with heading lithographed in colors, and views showing tasty store interior, interior view of palm house, also bird's-eye view of their range of greenhouses. This calendar is sure to be valued by all favored with a copy, and is as good an example of permanent valuable advertising as we know of.

The McCormick Harvesting Machine Co., Chicago.—The illustration, in color, represents an American scout in the Philippines, and the calendar bears the motto "Always at the Front," typifying that of the firm itself.

NOTES BY THE WAY.

Burlington, Vt.—John Wilson has had the best results this season with Lady Campbell violets carried over in the house; the plants seem to have made less runners, producing a larger crop of bloom. Business thus far has been very satisfactory.

Concord, N. H.—With the thermometer ranging 10 to 20 degrees below zero business is in sympathy, but such a condition will not last long, and W. M. Colby anticipates a return to the busy times preceding this cold snap. G. J. Benedict has plans for an additional house for general stock. W. S. Wilson reports a good season, and now that he has the houses of the late John Montgomery, at Wellesley, to draw upon, his business has much improved. His grower, W. P. Morris, shipped some of the finest Bride and Bridesmaid seen in the Boston market around the holidays.

Manchester, N. H.—A. G. Hood is the proud sire of a lusty heir and pauses amid busy moments to receive congratulations. Even his fine batch of seedling carnations seems to impart a more vigorous tenor, but Theo. Egger, the grower, assures me 'tis the result of many spare moments devoted to their care.

Nashua, N. H.—The finest lot of Bradt I have yet seen are on the benches at G. E. Buxton's—free, clean, absolutely perfect. Another house, 16x80 feet, Lord & Burnham construction, will be added this Spring for the accommodation of this splendid carnation.

Haverhill, Mass.—C. H. Kaulbach says he never was so short of good stock; the demand has been phenomenal.

Lynn, Mass.—Wm. Miller & Sons say their best carnations are Triumph, Joost, John Young and Daybreak, for the growing of which, and some of the new candidates, two houses will be added in the Spring, material for which has been secured during the temporary drop in the market. I noted two very fine pieces of work being made by artist James—a cross and crown, and standing cross a la D. B. Long.

Peabody, Mass.—J. M. Ward & Co. report experiments with Evelina in both light and heavy soil; while in the heavy it rusts terribly, in the light soil it is as clean and doing as well as McGowan, which is a constant success at this place. Anna Eastburn does best in heavy soil. One of their seedlings will probably be on exhibition at Buffalo; it is a white. Look out for it. La France is the favorite single violet; its intense shade and fragrance and adaptability as a pot plant being the reason.

Salem, Mass.—McGee, Geary & Co. report excellent plant sales, Boston fern predominating. They have but a few strong plants left. Several large funeral orders have kept them busy of late and they are figuring upon one or two big wedding decorations in the near future.

Memphis, Tenn.—Commenting upon the large stock of roses in pots, Mr. Hume, the genial manager of the Memphis Floral Co., tells me he cannot keep up the supply of such favorites as the climbing Kaiserin and Mrs. Robert Peary, two kinds well adapted to the South. A large general stock is raised for catalogue trade.

Olaf Johnson keeps up his reputation for La France roses, being one of the few who grows this old favorite at a profit. He reports a good demand.

Fall River, Mass.—Chas. Smith has been reappointed superintendent of Oak Grove, the leading cemetery in this city. He is brother to florist George, who has recently been elected Councilman in his ward. He intends to give his constituents as good government as he does roses and carnations to his customers.

Chatterton Warburton has named his Scotts "cut and come again," for he says there is no end to them. He grows Daybreak just as good as ever. Freedom and Alaska are the best whites, being the most useful for design work. His seedling is blooming up well; it will be on hand at Buffalo, perhaps, accompanied by Mr. Warburton, Sr., who has retired for the present from the road, and is devoting his energy to the growing of Beauty. He finds the shoots that are bent over and tied down make the strongest breaks.

W. M.

Paterson, N. J.

Ed. Sceery's flowerstore has been fitted up in fine style since the repairs were completed, which were necessary after the firemen ran a line of hose through the building to put out a big fire in the rear.

E.



Chicago.—George Stollery, of the Summerdale team, is second high man in their twenty games with the North Shore League, comprising eight teams, his record being: Games, 20; high, 201; total, 3,346; average, 167.6-20.

Ess.

A game was played on Tuesday night in which Wm. Clark, of Colorado Springs; J. F. Wilcox, Council Bluffs, Ia., and Mr. Joy, of Joy & Soo, Nashville, Tenn., who were in the city on their way to Buffalo, took part with the following scores. Mr. Clark claimed to be no bowler, but with a little practice he will do.

CHICAGO.

	1	2	3	4	5
Wm. Clark	111	164	110	117	95
J. F. Wilcox	191	174	161	140	124
Mr. Joy	88	69	88	82	111
A. Henderson	132	126	166	89	110
John Degnan	128	174	152	156	143
Ed. Winterson	138	80	..	..	..
John Street	135	108	..	..	..
P. Hauswirth	15	..	..	..	..
W. Kreithng	111	..	..	..	..

St. Louis.—Following are the scores for February 12:

ST. LOUIS.

	1	2	3	4	5
C. A. Kochn	145	133	154	136	179
C. C. Sanders	112	182	122	132	130
J. J. Beneke	165	146	143	129	171
J. W. Kunz	..	153	185	135	98
F. C. Weber	..	118	133	155	211

The Bowling Tournament.

The second of the series of games in the tournament of the New York, North Hudson and Flatbush clubs, was played on the New York alleys, 57th street and Sixth avenue, on Monday afternoon. That the interest in the tournament is intense was shown by the number of visitors present. An extra set of alleys had been reserved for the visitors, however, and many who came to root were soon playing a spirited game.

The New York and Hoboken teams had the first round and the first-mentioned club proved the winner by 130 pins. Flatbush then took the place of the defeated team, and New York also beat them by 70 pins. Hoboken and Flatbush then came together, and after the ten frames were rolled Hoboken had lost by 85 pins.

A bountiful lunch was served by the New Yorkers at the close of the games.

NEW YORK.

	1	2
Traendly	185	159
O'Mara	143	177
Manda	129	103
Hafner	115	114
Burns	158	153
Lang	130	144
Total	860	820

NORTH HUDSON.

	1	2
M. Hansen	100	132
Fischer	148	146
Hillebrecht	102	101
Kogge	126	129
L. Hansen	115	129
Brown	138	103
Total	729	740

FLATBUSH.

	1	2
Riley	128	138
Schmutz	107	152
Raynor	91	120
Zeller	172	170
Prosser	119	124
Mellis	132	121
Total	749	825

The number of pins down for each team thus far is:

New York, 3,286;
Flatbush, 2,213;
North Hudson, 3,032.

The next and final games in the tournament will be played on the Flatbush alleys Thursday, March 1, at 4 P. M.

Chicago.

State of Trade.

There continues a good market for nearly all flowers, last week's demand being quite brisk in the wholesale stores, as evidenced by the buyers for the large retailers, as well as outside orders for shipping. On Saturday nearly all stock cleared off well, and again on Monday and Tuesday of this week. There seems quite a spurt, partly possibly owing to Valentine's Day. Violets are getting a lift through this cause. Roses seem to be coming in a little more freely, but there as yet being no heavy cuts no trouble is experienced in selling all received; even the shorts and culls all go. These latter are used freely in cheap made-up work. What the common people want is a good show for a little money, and the enormous amount of wire work disposed of in this city shows there is plenty of it done yet; in fact, it is the bread, winner for hosts of retail florists out in the suburbs.

In roses, Beauty of long stem and mediums are still below demand and bring good prices; shorts are harder to dispose of. Extras bring $6 per dozen easily; 20 to 24-inch stem, $3 to $4; 12 to 18 inch, $1.50 to $2. Bride and Bridesmaid, extras, $8 to $10; firsts, $6; shorts, $4 to $5. Meteors are again called for; McKellar & Winterson had a heavy shipment of these on Tuesday; best, $6 to $8.

Lilies abundant, at $1.50 to $2 per dozen. Callas, $8 to $12. Violets, some very fine in. Demand was holding at $2, but $1.25 to $1.50 is as high as they will go freely; single and poor stock, 10c. to 60c. Some good tulips now coming in, best going at $4 down to $2; selling fairly well. Romans, $1.50 to $2; Paper Whites same. Dutch hyacinths, in pots, $2 per dozen, wholesale; retail, 25c. to 35c. Smilax, fine, at $1.50 per dozen; demand not brisk.

Jottings.

E. Krok, of Naslund avenue, is now sending in some very good Bride and Bridesmaid.

The Bay State Floral Co. has removed to a more convenient store, 2 State street, just one door north of the old place.

W. H. Chadwick has been elected president of the Commercial Association, which has for its primary object the construction of a permanent exhibition building on the Lake Front Park.

A section of the Garland Gutter has been set up in McKellar & Winterson's store.

Klehm's Nursery is supplying Kennicott with his home-grown lily of the valley, also his novelty tulip.

E. J. Batchelor, lately of Fort Dodge, Ia., is now on the road for McKellar & Winterson and A. Fuchs.

Carl Cropp, of Vaughan's seed store, has gone to St. Louis and Kansas City. Philip Hemer, of the same firm, left last week for the California coast.

The Wietor Bros. have a great show for long-stemmed Beauty in the near future.

The general stock of both roses and carnations coming from Bassett & Washburn's place is of a very high standard.

Herman Schiller, who was injured by a trolley car running into his wagon, is still a sufferer and cannot leave his room.

Kidwell Bros. have some fine pot hyacinths now coming in.

W. E. Lynch has taken the fine large basement, southwest corner of Wabash and Randolph streets, and hopes to move about April 1.

Visitors.

Wm. Clark, Colorado Springs, Col.; J. F. Wilcox, Council Bluffs, Ia.; Mr. Joy, Nashville, Tenn.; A. Knox, Franklin Floral Co., Columbus, O.; L. J. Stumpy, St. Joseph, Mo.; J. McHutchinson, representing August Rhotert, N. Y.; Henry Fabre, Kankakee, Ill., and L. E. Coleman, Belvidere, Ill. Ess.

New Haven, Conn.

The florists in the neighborhood of the Yale Campus have come to terms on the matter of closing their stores at 7 o'clock every week day evening except Monday and Saturday. That was agreed to at the meeting held a few evenings ago, when Messrs. John N. Champion, S. H. Moore, Robert Veitch, Jr., and Charles Monroe agreed on a uniform scale of prices for violets and the usual stock of flowers. The scale of prices will, of course, vary according to the season. However, the florists agreed upon uniformity.

Cincinnati.

Business has been very firm during the past ten days, and the market well cleaned up and at good prices. Roses are still scarce but will soon be more plentiful in the near future.

The American Carnation Society.

At present all eyes are turned toward Buffalo, and those who went from here were R. Witterstaetter, Wm. Murphy, Wm. Sunderbruch and E. H. Giesy.

Rose Day.

Saturday was "Rose Day" at the club rooms of the Cincinnati Florists' Society. The exhibit was very limited, only George & Allan entering; and, of course, carrying off all prizes. Corbett & Wilson had a nice display of violets, but the attraction was the new rose Liberty sent by E. G. Asmus, of Hoboken, N. J. This is a grand sort and is the finest all-round red rose I ever saw; everybody who saw it was delighted. It arrived Saturday morning in splendid condition, which shows it to be a good shipper. Meteor will surely have to go when Liberty become liberated.

A Dinner and a Bowling Match.

We expected many guests from Indianapolis, but Walter Bertermann was the only representative to arrive, accompanied by John Evans and Chas. Knopf, of Richmond. Twenty-four constituted the party, which included Jacob Schultz, Jas. Coenen and C. H. Kunzman, of Louisville, Ky. We immediately repaired to the Burnett House, where dinner was served, after which the party was escorted to the Flower Market and thence to the Highland Bowling Alleys. A box of cigars was up to be contested for between the visitors and a home team, with the following score:

Visitors: Evans, 141; Knopf, 86; Bertermann, 99; Adrian, 81; Sunderbruch, 213. Total, 620.

Home team: Witterstaetter, 96; Wm. Murphy, 133; Geo Murphy, 125 Jackson, 112; Gillett, 109. Total, 575.

Wm. Sunderbruch and Adrian were loaned to the visitors, and owing to Sunderbruch's score, won the game as follows:

1	2	3	4	5	6	7	8	9	10
18†	28†	6s*	95*	115*	135†	155*	175*	195†	215*

New Carnation "Avondale."

Stuart & Haugh, of Anderson, Ind., exhibited their new carnation "Avondale," a sport from Armazindy; it looks very much like the parent but is pink in color; it scaled as follows: Color, 19⅓; size, 15⅓; calyx, 4⅓; stem, 20; substance, 8; form, 10⅔; fragrance, 3⅔. Total, 81⅓.

Death of Mr. James Griffith.

Many of the trade will read with regret the death of James Griffith, who died February 10, of kidney trouble, and was buried February 13. For many years he manufactured wire work in this city, and no doubt made the best work of any in the business. His trade was with the florists exclusively, and he was well known to the trade throughout the country.

Visitors in Town.

Our visitors during the week: Mr. Joy, of Nashville, Tenn., on his way to Buffalo; Mr. Jacob Schultz, Jas. Coenen and C. H. Kunzman, of Louisville, Ky.; Walter Bertermann, of Indianapolis; John Evans and Chas. Knopf, of Richmond, Ind.; J. R. Goldman, of Middletown, O.; Theo. Bock, John and Henry Lodder, of Hamilton, O.; E. H. Glesy, of Lockland, O., and J. T. Herdegen, Aurena, Ind.

Second Carnation Meeting.

March 10 is our second carnation meeting, and we expect it to be a banner. The following prizes are offered:

Best vase carnations, seedling, any color, 50 blooms, $10; mixed colors, 100 blooms, $5; Daybreak, 25 blooms, $2; mixed colors, 50 blooms, $5; mixed varieties, 1898 and 1899 introductions, 50 blooms, $5. Best four vases of commercial varieties, 25 blooms to vase, $5; best separate display of carnations, $10.

The gold medal donated by Hon. John R. McLean will be awarded at the meeting. Henry Weber & Son and R. Witterstaetter are the only competitors now entitled to exhibit for this medal.

All florists not members of the society are entitled to compete for the above money prizes by the payment of $1. Everybody welcome.

E. G. GILLETT.

* Denotes spares and † denotes strikes.

St. Louis.

There is little change in market in general; receipts have been considerably heavier, but the demand has kept apace with them, consequently stock is about as scarce as last week. Everything sells out clean, except possibly a little bulb stock. Roses are very scarce and bring 10c. for best. Carnations are also in excellent demand, bringing 2c. to 4c. Violets have gone up a point, and are quoted at 60c. per 100 now. Callas and Harrisii rather plentiful at 12c. to 15c. Weather now bright and pleasant again, with prospects of more abundant stock soon.

Notes.

One of our west end stores has been having a private carnation show this week; some good blooms were exhibited, it is reported, but it failed to attract more than passing notice, although quite extensively advertised.

Visitors.

B. Eshner, of M. Rice & Co., has been in town and reports excellent business.

Flowers are so scarce now that the store men order in advance—like at Christmas and Easter times.

All local florists will please remember that next week, Friday, the 23d, is the date of the euchre party. All and their friends are cordially invited. Tickets can be had of the trustees or at the wholesale houses.

Club Meeting.

The regular meeting of the Florists' Club, was held on the 8th. Attendance fair considering the weather was blustering and severe cold promised, which, by the way, did not mature as severely as was expected. Considerable business was transacted, among same was the report of Mr. Beneke on Chrysanthemum Show, to the effect that its affairs could not be closed up at present owing to some delinquent subscribers who would not pay up. Efforts would be renewed with them, and a winding up made as soon as possible. A vase of Lawson carnation had been promised us by the introducer, but they failed to show up, to the great disappointment of those present, most of whom have never seen a good specimen of that much-talked of flower. H. C. Irish, Henry Emmons, of Bellville, Ills.; J. W. Dunford, of Central, Mo., and Henry Blixen, of Edwardsville, Ills., were duly elected members. Mr. Irish is connected with the Missouri Botanical Garden. At this meeting several members were dropped, some for non-payment of dues, some for conduct inimical to the welfare and good of the club. A committee was appointed to draw up resolutions on the death of our late member, Mr. J. M. Jordan. Also one to look into the matter of holding a show this Fall, there being a reluctance on the part of the club to give it up. C. A. Keuhn, who was made purchasing agent, reported having quite a lot of orders, and hoped to do some good; but the idea was started almost too late, many having already placed their orders.

Next meeting, March 8, is to be a rose meeting. A prize of $5 is offered by the club for the best vase of any kind of roses, except American Beauty, in hopes that a vase of Liberty will be shown. C. A. Keuhn placed a vase of the new carnation, Peru, on exhibition. It was pronounced by the judges who passed on it to be a good kind—on the type of Flora Hill; its color is pearly white, good size and stem. The club some time ago was authorized to offer prizes for the best-kept grounds backing against the Suburban Railway; the matter was again taken up and will now be pushed.

C. C. S.

Buffalo.

With weather in a variety, generally inclined to mildness, it does not materially help business, which is medium of extent. Some funeral orders have lent a good help during the past week. Flowers are in fair supply only, with light colored stock short for the demand on some days, and colored carnations inclined to show plenty.

Jottings.

C. D. Zimmerman made a trip to New York City and vicinity last week.

John G. Pickelman has made application in bankruptcy proceedings.

Chas. L. Dale, of Lockport, was a caller on Saturday of last week.

A vanguard of Carnation Convention attendants arrived Monday, in the person of Walter Mott, who will see it through. Locally, we are anticipating a big half week, beginning Thursday morning. VIDI.

Pittsburg.

The past week's trade was rather quiet with stock in abundance.

The February meeting of the Florists' Club was held in the store room of the Pittsburg Cut Flower Co. last week, with a fair attendance. The report of the auditing committee shows the club to be in good condition financially. One new member was elected and one proposed—J. B. Ferguson. All the officers of the club were again re-elected for another year by a vote cast by the secretary as follows: President, E. C. Reineman; vice-president, E. C. Ludwig; treasurer, J. Semple; secretary, T. P. Langhans; assistant secretary, Geo. Oesterle. Executive Committee—P. S. Randolph, F. Burki and John Bader.

M. C. Dunlevy, president of the Fruit Growers' Association of Allegeheny County, extended a vote of thanks to the members of the Florists' Club for their assistance in making the annual meeting of the Pennsylvania Horticultural Society held, in January the best one on record.

Fred Burki and W. Lauch, with perhaps a few others, are going to Buffalo for the carnation meeting.

Visitors in town: Arnold Ringier, of W. W. Barnard & Co., Chicago; John Barclay, of J. C. Vaughan, Chicago; J. M. Gasser, of Cleveland, on his way East to Boston before going to the Buffalo meeting, and J. C. Vaughan, who also spent a day in town on his way East.

The fine conservatories in Schenley Park are to have one of the best collections of cacti to be had in the country. It is intended that a party, headed by Superintendent Falconer, shall go to the wilds of Arizona, where the finest specimens exist; the trip will likely be made the coming Summer. Superintendent Falconer left for California a few days ago, and will make a short stop in Arizona on the way. He will inspect the conservatories in Golden Gate Park, San Francisco, and expects to visit the lower part of California along the coast to pick up some valuable plants. There is now quite a large collection of cacti in the conservatory, but it is not as comprehensive as is desired. The Director of Public Works of Pittsburg takes great pride in the parks and conservatories, and his idea is to keep the latter up to the very best and in the lead of all others. E. C. REINEMAN.

New Orleans, La.

To Join the State Fair.

At a special meeting called by the Horticultural Society last week it was decided to abandon the Spring show by the society and go in with the State Fair that takes place April 14 to May 6. C. H. Eichling was appointed by the society to see the committee of the state Fair and ask for free space, and that the State Fair pay all premiums. This they agreed to do. The State Fair has appointed C. H. Eichling, chairman, Harry Papworth and J. Steckler on horticultural and agriculture. These three gentlemen are members of the Horticultural Society, and no doubt will look after the society's interests. This must be considered a good change. The past few years our flower shows have not been a success financially. The prize money paid has always been cut down to the lowest notch; but that is not the main point; if the public would only come and patronize us it would be more encouraging. Last year at the State Fair 20,000 people attended on one day, so we may hope to be seen this year. There is every prospect of a good show, so far. In looking around the florists' establishments the stock is in better condition generally than it has been for several years.

Trade Items.

Some say trade was never better for plants. Flowering kinds are still very scarce. Azaleas are just coming in. About a month from now we will have plenty of flowers, that is if we do not have another February like last year. We have had a little frost, but not enough to stop the roses from blooming in sheltered places. The weather has been very warm the past week, the thermometer going up to 75 and 80 degrees in the shade. Oranges are in full bloom; many thousands were planted the last Fall.

The J. Steckler Seed Company and C. H. Eichling have both sent out their catalogues and report excellent returns.

Violets in every yard and garden are just grand. The large Giant or Carolina is far the best we have. La France is good, but I cannot say if it will ever come up to the Giant for all purposes.

Mardi Gras will last one week this year. HARRY PAPWORTH.

Florists' Tested Flower Seeds and Bulbs

ASTER Imp. Victoria, mixed, large trade pkt., 25c.; oz., $1.25. Florists' Special Mixture, large trade pkt., 25c.; oz., $1.25. Semple's True Branching, mixed, large trade pkt., 20c.; oz., 50c. Semple's Shell Pink, white and red in separate colors, large trade pkt., 25c.; oz., 75c.

AMPELOPSIS VEITCHII Per oz., 10 cents; per lb., 75 cents.

COSMOS Giant of California, large trade pkt., 10c.; oz., 40c.

COBAEA SCANDENS Large trade pkt., 10 cents; oz., 40 cents.

DOUBLE DAISY Choice mixed, large trade pkt., 30 cents; oz., $2.00.

LOBELIA Crystal Palace Compacta (true), large trade pkt., 25c.; oz., $1.50.

MIGNONETTE Best varieties for florists: Defiance, large trade pkt., 25c.; oz., $1.00; Machet, large trade pkt., 10c; oz., 40c.

NASTURTIUM Tom Thumb, mixed, per oz., 10c.; per lb., 45c.; per 100 lbs., $40.00. Tall Mixed, per oz., 10c.; per lb., 35c.; per 100 lbs., $30.00. Dime, Gunter, hybrids, per oz., 10c.; per lb., 90c.

SMILAX (New crop). Per oz., 35c.; per lb., $2.50.

TUBEROSES Choice Double Pearl, No. 1, $7.00 per 1000; 500 at $3.50 per 1000. No. 2, $3.50 per 1000.

SEND FOR FLORISTS' WHOLESALE LIST.

JOHNSON & STOKES, Seedsmen, 217 and 219 Market St., **PHILA., PA.**

Mention the Florists' Exchange when writing.

GLADIOLUS!

Brenchleyensis ..... 2c. per doz; $1.00 per 100.
Mme. Monneret.....20c. per doz.; $1.00 per 100.
Napoleon .....15c. per doz.; 80c. per 100.
Marie Lemoine.....15c. per doz.; 80c. per 100.

A fine, light mixture to which is added a third more of Ceres, white spotted rose, and Augusta, pure white, 20c. per doz; $1.00 per 100.

A few of the bulbs are a little irregular, but most of them are perfect shape. Give them a trial.

MRS. A. H. AUSTIN, Charlestown, Ohio.

Mention the Florists' Exchange when writing.

FANCY CALADIUMS

Good Assortment in Light to Dark Shades.

List No. 1, 10 varieties, fine large tubers, $6.00 per 100.

List No. 2, very choice assortment, in 10 varieties, some of the best of the new Brazilian sorts, $10.00 per 100. Or 100 of each list, 20 named varieties, for $15.00.

OAK GROVE NURSERIES, Seven Oaks, Fla.

Mention the Florists' Exchange when writing.

GERMAIN FRUIT CO.'S

California Grown Seeds.

SPECIALTIES:

Wax Beans,	Cosmos,	Onion,
Lima Beans,	Verbenas,	Lettuce,
Salt Bush,	Asters,	Celery,
Bermuda Grass,	Tree and	Carrot,
Johnson Grass,	Shrub Seeds.	Parsnip,
Sweet Peas,		Salsify.

Calla, Freesia, Amaryllis Bulbs, Pampas Plumes. Correspondence Solicited.

LOS ANGELES, CAL.

Mention the Florists' Exchange when writing.

FANCY-LEAVED CALADIUMS

	10	100
Bulbs 1½ to 2½ inches in diameter, 15 to 25 varieties ..	$2 50	$20.00
Bulbs, 1 to 1¼ inches in diameter, 6 to 8 varieties	1.50	12 00

The first size will make grand specimen plants or stock bulbs. No larger or finer are in the market.

LATANIAS and PHŒNIX.

Latanias, 4 inch pots, 2-3 characterized leaves	100 $20.00
Latanias, 5 inch pots, 4-5 characterized leaves	30.00
Phœnix Reclinata, Canariensis and Pumila, 15-18 inches	20.00
Phœnix Reclinata, Canariensis and Pumela, 20-24 inches	30.00

Not less than 50 at above rates.

GRAFTED ORANGES and LEMONS.

	10	100
10 to 15 best varieties, 4 inch pots, 10-12 inches high	$2.50	$20.00
10 to 15 best varieties, 4 inch pots, 15-18 inches high	3.50	30.00
10 to 15 best varieties, 4 inch pots, 20-24 inches high	6.00	
	100	1000
1,000 Prairie Roses, very strong	$7.00	
1,000 Moss Roses, " "	7 00	
2,000 Hybrid Wichurainna (Manda's),	5.00	$40.00

Quotations include packing.

P. J. BERCKMANS CO., Augusta, Ga.

Mention the Florists' Exchange when writing.

BUTTERCUP OXALIS

Bulbs will be ready for July delivery.

MAMMOTH	$6 00 per 1000
1st SIZE	4 00 "
2d SIZE	3 00 "

California prices. On all orders of less than 1000 add 25 per cent.

CHAS. H. CAMPBELL, Richland, Cala.

Mention the Florists' Exchange when writing.

DANISH CAULIFLOWER SEED.

Early Dwarf Danish Snowstorm, selected up by my grower for a quarter century. Always uniformly good, solid, large white heads and early.

No matter what you pay, you cannot get a finer strain. Oz., $2.50. Sample free.

Fringed Hollyhock, Allegheny, new, oz., $2.00.

Prices on quantity on application.

A. E. WOHLERT, Importer, Altoona, Pa.

Mention the Florists' Exchange when writing.

PALM SEEDS

FRESH ON HAND.

	100	1000	3000
Phœnix Tenuis	$0.75	$5 00	$13 50
" Pumila	1.00	8.00	22 50
Pandanus Utilis	1.25	10.00	27.50
Asparagus Plum. Nanus, true	1.25	9.00	26.50
" Sprengeri	.75	6 50	18.00

L. J. SCHILLER, 404 E. 34th Street, New York.

Mention the Florists' Exchange when writing.

TUBEROSES=The Pearl

Size, 4 to 6 inches circumference,

Per 1000, **$6.50 Net.**

CASH WITH ORDER.

HULSEBOSCH BROS., Englewood, N. J.

Mention the Florists' Exchange when writing.

EXTRA CHOICE FLOWER SEEDS.

List free on application.

FRED. ROEMER, SEED GROWER,

Quedlingburg, Germany.

Mention the Florists' Exchange when writing.

A LIMITED QUANTITY OF

SEEDS FOR SPRING SOWING

Separate colors. Semples Asters. Crimson, Lavender, Pink, Purple, White. Betteridge's Prize Quilled, Mixed, at $1.00 per oz. Giant Branching Comet, rose pink, white, white striped pink, $2.00 per oz. Silver Tip, blue and pink, per trade pkt., 25 cts. Mignonette, Allen's Defiance, 50 cts. per oz. Golden Machet, 25 cts. per oz. Pure Machet, 25 cts. per oz.

AMERICAN RDSE COMPANY. WASHINGTON, D. C.

Mention the Florists' Exchange when writing.

JUST RECEIVED

FERN WREATHS

Made same as the Fern Balls, but in shape of wreaths, suitable to hang up.

	Each.	Doz.	100
Size, 8 inches diameter	40c.	$1 50	$30.00
" 10-12 " "	60c.	6.00	40.00

FERN BALLS

9-11 inches diameter..... 75c. 8.00 60.00

	Doz.	100	1000
Asparagus Sprengeri Seed	15c.	$0.75	$6.00
" Plumosus Nanus Seed	15c.	1.00	8 50
Kentia Belmoreana or Forsteriana, due 1st of March	20c.	.70	5.00
Cocos Weddelliana	20c.	$1 00	$7.00
Pandanus Utilis	25c.	1.25	10 00
Latania Borbonica	10c.	.40	2.50

READY FOR DELIVERY—Caladium Esculentum, Fancy Leaved Caladiums, Cannas Dahlias, Gladioli, Tuberoses, Begonias, Gloxinias, Lilium Auratum, Rubrum, Album, Etc.

SEND FOR OUR NEW LIST.

H. H. BERGER & CO., 47 Barclay St., **New York.**

Mention the Florists' Exchange when writing.

VAUGHAN'S FLOWER SEEDS.. FOR PRESENT SOWING



Strictly high-class, new crop flower seeds of choicest, most carefully selected strains for florists' use.

PANSY, VAUGHAN'S INTERNATIONAL MIXTURE, which is better now than ever. Trade pkt., 50c.; ⅛ oz., $1.50; ¼ oz., $2.50; oz., $10.00.

PANSY, VAUGHAN'S GIANT MIXTURE, contains all the separate colors of Trimardeau, Cassier, Bugnot and a number of new colors. Trade pkt., 25c.; ⅛ oz., 50c.; ¼ oz., $1.00; oz., $4.00; ¼ lb., $14 00.

PANSY, TRIMARDEAU, mixed. Trade pkt., 10c., ¼ oz., 30c.; oz., $1.10; ¼ lb., $3 00.

PANSY CHICAGO PARKS MIXTURE trade pkt., 10c.; ⅛ oz., 30c.; oz., $1.00; ¼ lb., $3.00.

BROWALLIA SPECIOSA MAJOR (Giant Browallia). Trade pkt., 25c.

DAISY, VAUGHAN'S MAMMOTH WHITE, MAMMOTH PINK AND MAMMOTH MIXED. Each, trade pkt., 25c.

DAISY, SNOWBALL AND LONGFELLOW. Each, pkt., 15c.

CENTAUREA GYMNOCARPA. Trd. pkt. 10c.; oz. 40c.

CENTAUREA CANDIDISSIMA. 1000 seeds, 25c.; oz., $1.00.

DRACAENA INDIVISA. Oz., 30c.; lb., $2.50.

FERN SEEDS, Adiantum, Nephrolepis, Pteris, etc. Trade pkt., 50c.

HELIOTROPE, LEMOINE'S GIANT. Trd. pkt., 25c.

LOBELIA SPECIOSA. Trade pkt., 10c.; ¼ oz., 25c.

" **CRYSTAL PALACE COMPACTA.** Trade pkt., 25c.; ¼ oz., 60c.

LOBELIA BEDDING QUEEN, deep blue. Pkt., 25c.

" **WHITE LADY.** Dwarf white. Pkt., 15c.

" **SUTTON'S GEM.** White, pink or blue. Each, trade pkt., 20c.

MIGNONETTE MACHET, true. Pkt., 10c.; oz., 40c

" **BISMARK,** new. An improved Machet. Pkt., 15c.; ¼ oz., 75c.

PETUNIA HYB., BLOTCHED AND STRIPED. Trade pkt., 10c.; ¼ oz., 25c.

PETUNIA, "VAUGHAN'S BEST" Mixture of large-flowering, none better, includes all the fringed sorts, as well as Giants of California and other choice strains. Trade pkt. (1000 seeds), 50c; 3 pkts. for $1.25.

PETUNIA, VAUGHAN'S DOUBLE MIXED, extra fine, 600 seeds, $1.00.

PETUNIA, DOUBLE WHITE AND DOUBLE FRINGED WHITE. Each, 250 seeds, 50c.

PRIMULA FORBESI. "Baby Primrose." 500 seeds, 25c.

PRIMULA FORBESI COMPACTA, new, 500 seeds, 35c.

SALVIA SPLENDENS. Clara Bedman. Pkt., 25c.

" " Drooping Spikes. ¼ oz., 50c.

" " New Crimson. Pkt., 25c

PRIMULA OBCONICA GRANDIFLORA AND ROSEA. Each, trade pkt., 25c.

STOCKS, large flowering, ten-week, white, pink, blood red, crimson, light blue, purple, canary yellow and extra choice mixed. Each, trade pkt., 25c.; any 5 for $1.00.

THUNBERGIA, mixed. Oz. 30c.; pkt., 10c.

TORENIA FOURNIERI COMPACTA AND WHITE WINGS. Each, trade pkt., 25c.

VINCA ROSEA, Alba, Alba Pura and mixed. Each, trade pkt., 10c.; oz., 50c.

VERBENA, MAMMOTH MIXED. Trade pkt., 10c.; ¼ oz., 25c.; oz., $1.00.

VERBENA, white, scarlet, striped, purple. Each, trade pkt., 10c.; ¼ oz., 25c.

VERBENA, "VAUGHAN'S BEST" MIXTURE contains all the best colors and strains of Verbenas that are in existence. It is one of those mixtures like our International Pansy, Best Petunias, etc., that cannot be duplicated elsewhere. Trade pkt., 25c.; ¼ oz., 50c.; oz., $2.00.

We allow a discount of 10 per cent. on orders for flower seeds for $2.00 and over for cash with order. For other seeds, send for our complete Flower Seed List.

TUBEROSE BULBS,

Excelsior Dwarf Pearl.

True Hallock Strain.

JAP. FERN BALLS,

per dozen, $4.00.

New York—VAUGHAN'S SEED STORE—Chicago

Mention the Florists' Exchange when writing.

Manetti and Multiflora Stocks

EXTRA FINE.

$12.00 per 1000.

SEND FOR WHOLESALE LIST.

The Elizabeth Nursery Co., Elizabeth, N. J.

Mention the Florists' Exchange when writing.

Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Chicago, Ill., President; ALBERT MCCULLOUGH, Cincinnati, First Vice-President; F. W. BOLGIANO, Washington, Second Vice President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

Seed Adulterations.—On Monday February 5, at the Academy of Science, St. Louis, F. W. Maas, of the Plant Seed Co., demonstrated the uses of the microscope in detecting impurities in seed, to a large and appreciative audience. He had 15 plates of seeds in all, in connection with which several interesting facts were brought out under the microscope.

The New England Farmer, of Boston, Mass., says the name of W. W. Rawson, of Arlington, is mentioned as a candidate for the Governor's Council.

Mr. Dooley says the "congrissman that sinds seeds to his constitutents will last longer thin the man that sinds them flowers of illoquence."

We do, however, decry and oppose the use of such illustrations and representations as are made in some catalogues which reach this office, and believe that seedsmen should place more value upon the intelligence of the farmer and gardener, instead of placing before them imaginative pictures an ingeniously written descriptions, which are indicative that the countrymen are more verdant than wise. The seedsman who uses such true pictures and such honest descriptions, that when the plants are harvested they are true to name, picture and description, is the man who will have in the farmer and gardener a solid customer, a satisfied customer and a staunch friend.—Up to-date Farming and Gardening.

[It is a noticeable fact that the "monstrosity" illustration in seed and plant catalogues is fast becoming a thing of the past, being substituted by the more common-sense and business-like photo-engraving from life. There is yet room for amendment in the case of the exaggerated description.—ED. FLORISTS' EXCHANGE.]

European Notes.

The past week has been rather more wintry than some of its predecessors, but as it has taken the form of snow no great injury to growing plants is anticipated. The dampness which has been practically continuous in Europe since the end of last September still holds sway; even during the severe spell of frost which prevailed in northern Germany during December the ground was covered with fully six inches of snow, and as a consequence all outdoor operations are suspended. This will retard somewhat the sowings of radish and spinach, but a genial Spring will easily put things straight.

On Tuesday the fields of Roman hyacinths and narcissi round Ollioules were also covered with snow. This may help to increase the size of these bulbs, as the growers hastened to cut the blooms and glut the Northern markets with them.

Market seeds are in the uncertain stage which precedes the regular season. Alsyke is undoubtedly scarce. White clover is dearer, and if there are any reserve stocks on hand they ought to be forthcoming at present prices. Trefoil is also up and will remain so, while red clover wobbles about like a politician trying to please both sides. If there be an average demand, prices must surely advance. In other market seeds there is no change of importance to record.

EUROPEAN SEEDS.

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN

WILSON J. PETERS, Troy, O., President; D. S. LAKE, Shenandoah, Ia., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

Root Killing of Fruit Trese.—Bulletin 44 of the Iowa Experiment Station, at Ames, Ia., deals with this subject. Preventives recommended are: Hardy stocks, deeper planting, and the modification of cultural practices in orchards by the introduction of a cover crop system.

George B. Wallace, a pioneer nurseryman of Salt Lake City, Utah, is dead, at the age of 83. He was born at Epsom, N. H., and became a convert to the Mormon faith, removing to Utah from Boston in 1847.

The House Committee on Agriculture, February 1, decided to report favorably Mr. Wadsworth's bill relative to the importation and traffic in shrubs, trees, etc. See pages 1067, for text of the bill.

The U. S. Department of Agriculture has issued a comparative statement of the distribution of agricultural exports, from 1894 to 1898, showing under the item of nursery stock the following figures: 1894—$140,415; 1895—$129,551; 1896—$133,735; 1897—$135,047; 1898—$96,330.

Text Books on Horticulture.

The Department of Agriculture has just issued a Farmers' Bulletin (No. 109), written by Professor Bailey, on the subject of Farmers' Reading Courses, in which the scope and operation of this method of teaching in the various states is dealt with. Professor Bailey enumerates the following list of text books on horticultural subjects as being used or recommended in these courses:

How to Grow Squashes, Gregory; Onion Raising, Gregory; Onions for Profit, Greiner; Cabbages and Cauliflower, Gregory; How to Grow Cabbages and Cauliflower, Gregory; Celery for Profit, Greiner; A Kitchen Garden of One Acre; How to Grow Melons for Market; Potatoes for Profit, Van Ornam; My Handkerchief Garden, Barnard; How to Make the Garden Pay, Greiner; Gardening for Profit, Henderson; Success in Market Gardening, Rawson; How to Grow Mushrooms, Falconer; Selection in Seed Growing, Burpee; Vegetable Gardening, Green; Garden Making, Bailey; Greenhouse Construction, Taft, Greenhouse Management, Taft; Lessons with Plants, Bailey; The Horticulturists' Rule Book, Bailey; The Nursery Book, Bailey; Principles of Fruit Growing, Bailey; Field Notes on Apple Culture, Bailey; American Fruit Culturist, Thomas; Practical Fruit Grower, Maynard; Amateur Fruit Growing, Green; Pear Culture for Profit, Quinn; Quince Culture, Meech; Peach Culture, Fulton; Success with Small Fruits, Roe; A B C of Strawberry Culture, Terry; Grape Culturist, Fuller; Fruit Culture, Strong; American Grape Training, Bailey; Cross Breeding and Hybridizing, Bailey; Principles of Plant Culture, Goff; Plant Breeding, Bailey; Propagation of Plants, Fuller; Ornamental Gardening, Long; Gardening for Pleasure, Henderson; Home Floriculture, Rexford; Practical Floriculture, Henderson; The Rose, Ellwanger; All About Sweet Peas, Hutchins; Pansies, Popples and Sweet Peas, Hutchins; Chrysanthemum Culture, Morton; American Carnation Culture, Lamborn; Bulbs and Tuberous-rooted Plants, Allen; The Beautiful Flower Garden, Mathews; Insects and Insecticides, Weed; The Spraying of Plants, Lodeman; Spraying Crops, Weed; Fungi and Fungicides, Weed.

As supplementing the foregoing list, and forming a valuable augmentation thereto, we would mention the following, all of comparatively recent publication, as being worthy of consideration by intending purchasers of books: How To Grow Cut Flowers, Hunt; The Dahlia, Peacock; Florists' Manual, Scott; How to Plan the Home Grounds, Parsons; Landscape Gardening, Maynard; Landscape Gardening, Waugh; Residential Sites and Environments, Johnson; Orchid Growers' Manual, Williams; Orchid Cultivators' Guide, Burberry; Ornamental Shrubs, Davis; The Water Garden, Tricker; Commercial Violet Culture, Galloway; Success With House Plants, Hillhouse.

All of the books herewith mentioned can be secured through the FLORISTS' EXCHANGE. We have others for sale, also; send for our Book List.

CALIFORNIAN SEEDS

Contract Prices for 1900 Harvest on Application.

WHOLESALE ONLY.

PERRY WATSON & CO., SACRAMENTO, CAL.

Mention the Florists' Exchange when writing

DOUBLE PEARL TUBEROSE BULBS

Sound, healthy stock, No. 1—4 inches up, at $1.00 per 100; $6.00 per 1000. No. 2—3 to 4 ins., 50 cents per 100; $3.00 per 1000.

CHAS. BLACK, Hightstown, N. J.

Mention the Florists' Exchange when writing.

COX SEED CO.

Wholesale Seedsmen

14 & 16 Ninth Ave., NEW YORK. 411, 413, 415 Sansome St. SAN FRANCISCO.

Mention the Florists' Exchange when writing

Best Quality at Lowest Rates.

ROMAN HYACINTHS, NARCISSI, FREESIA,

and other French Bulbs for forcing.

BERNARD SON, 29 Boulevard du Musée Marseille, France.

Bulb Grower and Exporter.

Established 1872. Bulbfields-Hyères, Ollioules.

WHOLESALE ONLY.

Mention the Florists' Exchange when writing

EDWARD B. JACKSON,

WHOLESALE FLORIST

Hardy Herbaceous Plants Only

In any quantity, for the least money.

STAMFORD, CONN.

Mention the Florists' Exchange when writing.

FUNKIA LANCIFOLIA GREENLEAFED.

A fine hardy bordering plant. The spikes of Lavender-blue flowers are nice for funeral work, $2.00 per 100; $15.00 per 1000.

EULALIA cristed, $2.00 per 100.

PANSIES, $4.00, $10.00 and $12.00 per 1000.

HELIANTHUS MULTIFLORUS PLENUS, $2.00 per 100 strong pieces.

Will exchange for carnations or other stock needed. W. C. JENNISON, Natick, Mass.

Mention the Florists' Exchange when writing.

CABBAGE PLANTS

Jersey Wakefield and other vars., from cold frames transplanted, 25 cts. a 100; $1.50 a 1000; $12.50 a 10,000 if by mail, add 20 cts. per 100.

LETTUCE Boston Market, Tennis Ball, Curled Simpson, Grand Rapids, and other vars., 15c. per 100; $1.00 per 1000; $8.50 per 10,000; if by mail, add 10c. per 100.

TOMATO Small plants for transplanting, in several varieties, 15 cts. per 100; $1.00 per 1000.

PEPPER Small plants for transplanting, in several varieties. 25c. per 100; $2.00 per 1000. If by mail, add 10c. per 100.

EGG PLANTS New York Improved for transplanting, 25c. per 100, $2.00 per 1000.

CELERY Golden Self Blanching and White Plume, 15c. per 100, $1.00 per 1000.

Other vegetable plants in season. Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

W. C. BECKERT SEEDS VEGETABLE FLOWER BULBS ALLEGHENY, PA. 1888

Semple's Aster

Choicest Home-Grown Seed, in white, shell-pink and lavender,

¼ oz., 25c.; oz., $1.00.

Catalogue on application, of leading flower and vegetable seeds for florists and market-gardeners.

W. C. BECKERT, Allegheny, Pa.

Mention the Florists' Exchange when writing

VIOLETS—Princess of Wales

The only Violet to grow; strong rooted cuttings, $1.00 per 100.

EVENDEN BROS., Williamsport, Pa.

Mention the Florists' Exchange when writing.

Field-Grown Own Roots ROSE BUSHES

Tender and hardy sorts. First-class.

Japanese Iris. Best named sorts. Buy quickly and make sure of them.

The Howland Nursery Co., Los Angeles, Cal.

Mention the Florists' Exchange when writing.

ROSES Field Grown 2 years old.

Ampelopsis Veitchii, 2 years, strong

Clematis Jackmanni, 2 years, XXX

FLOWERING SHRUBS.

Send for our Price List giving rates upon these and other hardy ornamental nursery stock.

Jackson & Perkins Co., Newark, New York.

Mention the Florists' Exchange when writing.

D. & C. ROSES

are the cheapest because they are the best. We have in stock over 1000 varieties on own roots, including nearly 200 New Roses not offered elsewhere, as well as all the old favorities, at prices that make it worth your while to send us your list for quotations before buying elsewhere. All sizes from 2½ in. pots up.

Send for a copy of our New Guide to Rose Culture for 1900, a handsome book of 134 pages, illustrated with hundreds of half-tones and numerous colored plates. It is really a work of art and free for the asking.

THE DINGEE & CONARD CO., Rose Growers, West Grove, Pa.

Mention the Florists' Exchange when writing.

IF YOU NEED ROSES Send us your list for prices.

THE C. A. REESER CO. URBANA, OHIO. Wholesale Rose Growers.

Mention the Florists' Exchange when writing.

ROSES

All sizes and kinds. Write for prices.

Boston Ferns and N. Cordata Compacta, 2½ in. pots.

Honeysuckles, Hibiscus Cooperi, Moon Vine, White and Blue, Rubra Begonia, Strobilanthes Dyerianus } 2½ in pots at $3 per 100.

GERANIUMS—

S. A. Nutt, White Swan, Heternathe, Mrs. E. G. Hill } 2½ in pots, at $3 per 100.

SCENTED GERANIUMS—

Lemon, Nutmeg, Balm, Rose, } 2½ in. pots, at $3 per 100.

Ageratum, Princess Pauline, 2½ in., at $3.00 per 100

Rubra Begonia, 3 in. pots, at $4.00 per 100.

Hardy Pinks, 6 varieties, 3 in. pots, at $4.00 per 100.

Cash with Order.

THE NATIONAL PLANT CO., Dayton, O.

Mention the Florists' Exchange when writing.

CRIMSON RAMBLER

3 to 4 ft. strong, $15.00 per 100; 4 to 5 ft., extra strong, $18.00 per 100.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

GOLDEN GATE ROSE WINS THE LEAD.

As the largest growers of this rose in the world we offer two-eyed ROOTED CUTTINGS at $2.50 per 100, by mail, postage prepaid. Large contracts solicited. Send for Circular.

AMERICAN ROSE COMPANY, Washington, D. C.

Mention the Florists' Exchange when writing

GIVE US LIBERTY!

THIS WILL BE THE CRY WHEN THE PLANTS ARE ALL SOLD.

The demand for the New Crimson-Scarlet Rose LIBERTY has been so great that OUR STOCK FOR MARCH DELIVERY IS ALL SOLD. We are now booking for April, and as all orders are filled strictly in rotation, florists who have not as yet secured their stock should order at once.

OWN ROOT PLANTS, FROM 2½ INCH POTS.

50 Plants or more and less than 100, 30c. each
100 Plants and up to 1000.....25c. each
1000 Plants and over.....$200.00 per 1000
3 inch pot plants, 5c. each additional.

GRAFTED PLANTS, FROM 2½ INCH POTS.

50 Plants or more and less than 100, 50c. each
100 Plants and up to 1000.....40c. each
1000 Plants or more.....$350.00 per 1000
3 inch pot plants, 5c. each additional.

ROBERT SCOTT & SON, Sharon Hill, Del. Co., Pa.

Eastern Agents: ROBT. CRAIG & SON, 49th & Market St., Phila., Pa.

Western Agents: BASSETT & WASHBURN, 78 Wabash Av., Chicago.

Mention the Florists' Exchange when writing

MONTHLY AND EVER-BLOOMING ROSES

DORMANT FIELD-GROWN PLANTS.

	12	100
Hermosa, 1st size	$2 00	$12 00
Heruiosa, 2d size	1 25	8 00
Mosella, (Yellow Soupert)	2 00	15 00
Souvenir d'un Ami	$2 50	$18 00
Clothilde Soupert	2 00	15 00

For Rhododendrons, Azaleas, H. P. Roses, Crimson Ramblers, Spring Bulbs, and Japan Ball Ferns, refer to last issue of *Florists' Exchange*, page 101.

BOBBINK & ATKINS, RUTHERFORD, N. J.

Nurseries and Cellars at Carlton Hill, N. J.

Mention the Florists' Exchange when writing.

CLEMATIS

Small snug plants, to pot for Spring sales, from best varieties, per doz., $1.00; per 100, $8.00. Free by mail or express.

F. A. BALLER, Bloomington, Ill.

Mention the Florists' Exchange when writing.

TREES! TREES!

Norway, Sugar and Silver Maples Norway Spruce and Arbor Vitæ.

WM. J. CHINNICK, Trenton, N. J.

Mention the Florists' Exchange when writing.

Grape Vines

Descriptive and Price List free.

Currants, Gooseberries and other Small Fruit Plants. Extra quality. Warranted true.

T. S. HUBBARD CO., FREDONIA, N. Y.

Mention the Florists' Exchange when writing.

AMERICAN ELMS

8 to 10 ft., 1 to 1½ in. caliper. 25 Elms, 6 to 9 in. caliper, fine specimens, well developed heads. Send for price list.

SAMUEL C. MOON, Morrisville, Bucks Co., Pa.

Mention the Florists' Exchange when writing.

100,000 PRIVET

Per 1000		Per 1000
1½-2 ft. $20.00	3-4 ft.	$35.00
2-3 ft. 30.00	4-5 ft.	45.00

Usual Assortment of ROSES, Including Crimson Rambler.

HIRAM T. JONES, Union County Nurseries, ELIZABETH, NEW JERSEY.

Mention the Florists' Exchange when writing.

THE PINEHURST NURSERIES,

OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.

Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda cliida, Fothergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Dioscea muscipula, Lupinus diffusus, Phlox subulata, Sarracenias, etc., etc. **Ask for Trade Lists.**

Mention the Florists' Exchange when writing.

FRUIT and ORNAMENTAL TREES,

Shrubs, Vines and Roses.

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., Geneva, N. Y.

Mention the Florists' Exchange when writing.

NORWAY MAPLES.

1000 8 to 10 feet.
1000 6 to 7 "
700 4 to 6 "
700 3 to 4 "
100 1 to 2 "

IRISH JUNIPERS.

500 3 to 4 feet.
500 2½ to 3 "
500 2 to 3 "

10,000 Peach Trees, General Assortment

The Maple and Juniper will be sold at very low prices in order to close out.

C. L. LONGSDORF,

Oak Hill Nurseries, Flora Dale, Adams County, Pa.

Mention the Florists' Exchange when writing.

IRISH and SWEDISH JUNIPERUS

	100	1000
6 to 9 inches, transplanted	$5.00	$40.00
9 to 12 " "	6.00	50.00
12 to 15 " "	7.00	60.00
15 to 18 " "	8.00	75.00
18 to 24 " "	10.00	
24 to 30 " "	13.00	
30 to 36 " "	15.00	
15 to 18 " Silver Juniper	6.00	

Rooted Cuttings, ready in May, $20.00.

ROSES Clean, healthy plants, from 2 inch pots. Prices and samples to buyers on application. Am. Beauty, Golden Gate, Niphatos, Perle, Sunset, La France, Albany, Wootton, Testout, Bride and Bridesmaid. One-year-old dormant pot-grown Wootton, $5 per 100

ISMENE CALATHINA White summer-blooming Amaryllis, strong bulbs, first size, $12 50; second, $10 00 per 100.

JOSEPH HEINL, Jacksonville, Illinois.

Mention the Florists' Exchange when writing.

AZALEAS FOR EASTER



Meotioo paper.

Place your orders for Azaleas now, while we can still give you a full assortment of varieties in the following sizes:

	Inch Diam.	Per Doz.	Per 100
5 inch pots, bushy crowns, well set.....	10 to 12	$5.00	$40.00
5 and 6 inch pots, bushy crowns, well set,	12 to 14	6.00	50.00
6 and 7 inch pots, bushy crowns, well set,	13 to 15	9.00	70.00

ALSO A GRAND LOT OF SPECIMEN PLANTS OF

MME. VAN DER CRUYSSEN of exceptionally good value, at $1, $1.50, $2, $2.50, $3 and $5 each.

MISCELLANEOUS PLANTS FOR FORCING.

ACACIA ARMATA (Paradoxa), Nicely budded plants, from 5 inch pots, 50 cents each; $5.00 per dozen; $40.00 per 100.

AZALEA MOLLIS (Hardy Azalea), Finely shaped, bushy plants, covered with buds, 12 to 15 inches high, 50 cents each; $6.00 per dozen; $45.00 per 100.

DEUTZIA GRACILIS. A nice lot of bushy plants, suitable for 6 and 7 inch pots, $1 00 per dozen; $7.00 per 100.

LILACS FOR FORCING. Fine pot-grown plants, well set with buds, of the following varieties: **Charles X, Marie Legraye and Mme. Lemoine,** $6.00 per dozen; $45.00 per 100.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

SURPLUS FOR SPRING 1900

Can yet do **PEACHES** and **JAPAN PLUMS** in limited quantity; also **MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY, STRAWBERRIES** from best leading varieties. Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.

ALEX. PULLEN, PROPRIETOR.

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM
PÆONIES, BLEEDING HEART
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.

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A Picture of the....



EXPANSIVE TREE PROTECTOR.

Absolutely prevents all worms and insects from crawling up fruit and shade trees. For agency, territory and prices, address

EXPANSIVE TREE PROTECTOR CO., ROCHESTER, N. Y.

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HAVE purchased the Elgin Nurseries, containing more than seven millions of **EVERGREENS,** part on rented land that must be cleared this spring:

Colorado Blue Spruce, 2 to 3 ft....$25.00 per 100
Douglas Spruce, 1½ to 2 ft. ..... 15.00 "
Douglas Spruce Seedlings, 6 to 8 in. 8.50 per 1000
Hemlock Spruce, extra quality, 1½ to 2 ft..... 10.00 per 100
Balsam Fir, 1 to 1½ ft..... 35.00 per 1000
White Pine, 1½ to 2 ft ..... 50.00 "
4,000,000 Seedling White Pine, 6 to 8 in ..... 5.00 "
Ponderosa Pine Seedlings, 10-12 in. 10.00 "
Six Acres Dwarf Mountain Pine, 3 to 4 ft. good quality, $10.00 per 100; 5c. each in car lots.
Several Million of Arbor Vitæs—In fact everything in the line of Hardy Evergreens, and any size desired. Write at once for Trade List and Special Prices.

D. HILL, Dundee, Ills.

EVERGREEN SPECIALIST.

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F. & F. NURSERIES SPRINGFIELD, NEW JERSEY.

Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.

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THE STORRS & HARRISON CO., Box 936, PAINESVILLE, OHIO.

Leading American Nurserymen, offer one of the Most Complete Assortments of

FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.

46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

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OAKS 10,000

Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogues on application. Send estimate of wants for prices.

THE WM. H. MOON CO., GLENWOOD NURSERIES, **Morrisville, Pa.**

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Fruit Trees, Small Fruits, including grapes. **Ornamental Trees, Evergreens** and **Shrubs** for public and private grounds. **Shade Trees** for streets. **Hardy Roses, Hardy Plants, Climbers,** etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, MT. HOPE NURSERIES, 61st year. **Rochester, N. Y.**

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K. J. KUYK, Ghent, PLANTS.

K. J. KUYK, Hillegom, BULBS.

I BEG TO ANNOUNCE that my representatives, **Mr. H. Y. Goemans** and **Mr. H. P. Hugenholtz,** have started on their annual trip to the U. S. and Canada, to solicit orders from importers of PALMS, AZALEAS, ARAUCARIAS, SWEET BAYS, FICUS, ETC., and HOLLAND BULBS. The address of my representatives will be, up to May 15th, care Mr. J. TER KUILE, 33 Broadway, New York City.

A Splendid Stock for Spring and Fall delivery is On Hand.

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EASTER AND SPRING, 1900

Orders Filled and Booked Now for the Fall.

RHODODENDRONS $35.00 to $65.00 per 100.
LILACS in all varieties, for forcing, $15.00 per 100.
H. P. ROSES all true to name, $75.00 per 1000; $10.00 per 100.
CRIMSON RAMBLERS extra, $20.00 per 100.
AZALEA Mollis, from $25.00 to $35.00 per 100. **Pontica,** from $35.00 to $45.00 per 100.
PAEONIAS in variety, from $10.00 to $15.00 per 100.

SPIRAEA COMPACTA MULTIFLORA $4.00 per 100.
GLADIOLUS All colors, mixed, No. 1, $9 00 per 1000. All colors, mixed, No. 2, $7.50 per 1000. Light and white, $14 00 per 1000.
TUBEROSES, The Pearl 4x6, $6 50 per 1000.
GLOXINIAS ERECTA Extra, $40.00 per 1000.
TUBEROUS ROOTED BEGONIAS— Single, separate varieties, $25.00 per 1000. Double, separate varieties, $40.00 per 1000.

All varieties of **LILIES** on hand.

CYCAS REVOLUTA The true long leaf variety, will arrive in April. Write for special prices to

F. W. O. SCHMITZ, Jersey City, N. J

Mention the Florists' Exchange when writing.

CATALOGUES RECEIVED.

WEBSTER BROS., Hamilton, Ont.—Price List of Florists' Stock.

W. ATLEE BURPEE & Co., Philadelphia.—List of Selected Seeds.

G. L. MILLER, Newark, O.—Illustrated Catalogue of Plants, Seeds, etc.

ARCHIAS SEED STORE, Sedalia, Mo.—Garden, Farm and Poultry Annual (illustrated).

W. W. WILMORE, Denver, Col.—Catalogue of Dahlias, Cannas, Gladioli, etc. Illustrated.

DARCH & HUNTER, London, Can.—Illustrated Catalogue of Seeds, Flowers, Supplies, etc.

WALDO ROHNERT, Gilroy, Cal.—List of Sweet Pea and other Flower Seeds; also Onion Seed.

H. G. FAUST & Co., Philadelphia, Pa.—Wholesale Trade List of Garden, Field and Flower Seeds.

J. L. DILLON, Bloomsburg, Pa.—Wholesale Catalogue of Plants, Rooted Cuttings and Cut Flowers.

F. WEGNER, Mechau, Germany. Catalogue of Seeds, Field, Farm and Garden; printed in German.

O. A. E. BALDWIN, Bridgman, Mich.—Catalogue of Small Fruits; Strawberry Plants a specialty.

LEWIS ROESCH, Fredonia, N. Y.—Catalogue of Grape Vines, Fruit and Ornamental Trees, Shrubs, etc.

S. L. WATKINS, Lotus, Cal.—Price List of Novelties in Seeds, Plants, Bulbs and Fruits. Illustrated.

CHICAGO CARNATION COMPANY, Joliet, Ill.—Price List of new and standard varieties of Carnations.

ALEXANDER SEED CO., Augusta, Ga.—Catalogue and Price List of Farm, Vegetable and Flower Seeds.

OLIVER H. DREW, Hibernia, N. Y.—Illustrated Catalogue of New and Rare Plants, Bulbs, Fruits, etc.

HENRY M. PHILLIPS, Seed and Implement Co., Toledo, Ohio.—Catalogue of Garden, Field and Flower Seeds, etc.

GEORGE B MOULDER, Smith's Grove, Ky.—Price List of Aquatics and Water Lilies. With full cultural directions.

FREDR. C. POMRENCKE, Altona, Hamburg, Germany.—Seed Catalogue for 1900. Illustrated. Printed in German.

J. CHAS. MCCULLOUGH, Cincinnati, O.—Catalogue of Tested and Reliable Garden, Field and Flower Seeds, Supplies, etc.

E. E. BURWELL, New Haven, Conn.—Price List of Select Vegetable Seeds; X-tra Flat Dutch Cabbage a specialty.

E. W. BURBANK SEED CO., Fryeburg, Me.—Catalogue of Select Field and Garden Seeds, Sweet Peas, Nasturtiums, etc.

GRIFFITH & TURNER Co., Baltimore, Md.—catalogue of Farm and Garden Supplies—very complete and profusely illustrated.

JOHANNES RAFN, Skovfrökontoret, Copenhagen, Denmark.—Price List of Tree and Shrub Seeds, etc. Printed in English.

MT. DESERT NURSERIES, Bar Harbor, Me.—Wholesale Catalogue of Hardy Herbaceous Perennials, Northern Trees, Shrubs, etc.

ROUSTAN, SERVAN & Co., St Remy-de-Provence, France.—Price List of Flower and Vegetable Seeds; printed in the French language.

F. C. HEINEMANN, Erfurt, Germany—General Seed Catalogue for 1900, contains a list of novelties in flower seeds. Printed in English.

CLUCAS & BODDINGTON CO., New York.—Wholesale Catalogue of Seeds, Bulbs and Plants. Contains a full list of novelties and specialties. Illustrated.

J. M. MCCULLOUGH'S SONS, Cincinnati, Ohio—Seed Catalogue and Amateur's Guide, contains complete lists of seeds, plants, fertilizers, implements, etc. Fully illustrated.

NATHAN SMITH & SON, Adrian, Mich.—Illustrated Catalogue of the latest novelties and best standard varieties in Chrysanthemums, Carnations, Cannas, Geraniums, etc.

VICK'S, Rochester, N. Y.—A profusely illustrated and handsomely gotten-up catalogue with a full list of novelties and specialties, as well as of standard sorts. It also contains valuable cultural information.

R. H. SHUMWAY, Rockford, Ill.—Garden Guide for 1900. Mr. Shumway is evidently a great believer in the efficacy of pictures; this catalogue being the most profusely illustrated of any that we have, so far, received.

JOHNSON & STOKES, Philadelphia, Pa.—Garden and Farm Manual. A very complete catalogue of vegetable and flower seeds, plants, etc.; a feature of which are the handsome photo-engravings from life. An extensive list of novelties and specialties is given.

STUMPP & WALTER Co., New York.—Catalogue of High-Grade Vegetable and Flower Seeds, Implements, etc. A very complete catalogue, with a list of novelties and specialties. Features are a premium offer, and tables showing quantities of seeds usually sown to the acre—fully illustrated.

DINGEE & CONARD Co., West Grove, Pa.—New Guide to Rose Culture, being an illustrated catalogue of roses and other plants. A large collection of roses is listed, and the firm offers $100 for a name for a variety, of which a handsome colored plate is shown; also one of Acalypha Sanderi and other subjects.

THE DEMING Co., Salem, Ohio.—Illustrated Catalogue of Spray Pumps and Nozzles, Bucket, Knapsack, Barrel and Kerosene Sprayers. Contains also a Spraying Calendar and Formulæ for the preparation of various insecticides. The numerous testimonials received demonstrate the useful character of the firm's manufactures.

ADIANTUM CUNEATUM

Strong 2½ in. plants, $3.00 per 100; $25.00 per 1000.

Fine plants, in 3½ and 4 in. pots, $6.00 per 100; $50.00 per 1000.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR

Palms and Ferns.

Fine, clean home grown stock; grown cool. Give us a trial order and be CONVINCED.

J. B. HEISS, The Exotic Nurseries, **Dayton, Ohio.**

SEND FOR PRICE LIST.

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ASPARAGUS SPRENGERI

2¾ inch, extra strong....$5.00 per 100
3 inch, extra strong.... 7.00 per 100
4 inch, very fine..... 1.75 per doz.
5 inch, very fine..... 2.50 per doz.

PANDANUS UTILIS 2¾ in., heavy, $6 per 100; 3¾ in., heavy, $8 per 100

THE CALLA GREENHOUSES, Calla, O.

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Polystichum Wollastoni Lace Fern

Best and finest for cut, also for center pieces, etc. Size No. 1, 100 plants, $4.00; Size No. 3, 100 plants, $8. Sample box by mail, containing 1 dozen plants, 2 sizes, $1.00.

BABY PRIMROSES Best strain, lavender, for cut and pots. Size No 1, 100 plants, $3.00; Size No. 2, per 100, $5.00. Sample box by mail, containing 20 plants, 2 sizes, $1.00.

Cash with order, please. Packing careful.

ALBERT KNAPPER, Frankford, PHILA., PA.

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HEADQUARTERS FOR

LAUREL FESTOONING

MOSSES and FERNS A SPECIALTY



MILLINGTON, MASS.

Telegraph Office, New Salem, Mass

Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.

1730 CAMBRIDGE ST.

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GALAX LEAVES

To Dealers outside New York City:

Choice Galax..... $0 40 per 1000
Choice Leucothoe..... 2 00 "

Special attention given orders to go in cold storage. ORDER AT ONCE.

J. N. PRITCHARD, Elk Park, N. C.

Mention the Florists' Exchange when writing.

FERNS

From 2¼ inch pots.

Aspidium Tensimense..... $2 50 per 100.
Cyrtomium Falcatum..... 3 00 "
Pteris Cretica Magnifica..... 3.00 "

Cash with order.

L. MENAND, Cemetery Ave., **Albany, N. Y.**

Mention the Florists' Exchange when writing.

FERNS.

A fine assortment for florists use, from 2½ and 3 inch pots. Also

Selaginella Emmeliana, Cyperus Alternifolius, $3.00 per 100.

BABY PRIMROSES, from 3 inch, $4.00 per 100 from 4 inch, strong, $8.00 per 100.

J. G. EISELE, - Philadelphia, Pa.

20th AND ONTARIO STS.

Mention the Florists' Exchange when writing.



It's nice a lasting gift to give,
Which appreciation earns;
Cut Flowers die, but plants will live,
Therefore buy
PALMS AND FERNS

Try a barrel of our **Pine Needle Soil,** for Palms and Ferns, price $1.50. Send for our catalogue.

THE GEO. WITTBOLD CO., Chicago,

1708 N. Halsted Street.

Mention the Florists' Exchange when writing.



A SPECIAL LOT OF 1,000,000 FANCY CUT FERNS

Write for Prices.

H. M. ROBINSON & CO., 32, 34, 36 Court Square, **BOSTON.**

Mention the Florists' Exchange when writing.

Galax Leaves

CHAS. H. RICKSECKER, Linville, N. C.

Mention the Florists' Exchange when writing.

THE BOSTON FERN

A SPECIALTY.

Only orders booked at $5 00 per 100; $40 per 1000.

L. H. FOSTER, 45 KING STREET, **Dorchester Mass.**

Mention the Florists' Exchange when writing.

BOSTON FERNS

N. Exaltata Bostoniensis.

Small plants, $5 00 per 100; $40.00 per 1000; not less than 250 at 1000 rate. Large plants, $6.00 to $12.00 per 100.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $3.00 to $10.00 ea.
Areca Lutescens, 50c. to $3.00 each.
Latanias, from 75c. to $3 00 each.
Asparagus Plumosus, $1.00 to $1.50 doz.
Asparagus Sprengeri, 3½ in. pots, $1.50 per doz.
Asparagus Tenuissimus, 3½ in. pots, $1.25 per doz.

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. Connected with Telephone.

Mention the Florists' Exchange when writing.

LATANIA BORBONICA

4 inch pots..... $2.50 per doz; $20.00 per 100.
5 " ..... 4.75 " 35.00 "
6 " ..... 9.00 " 70.00 "
7 " ..... 1.25 each, and fine specimen plants from $5.00 and upwards.

Areca Lutescens, fine plants from $5.00 upwards.
Kentia Belmoreana and Forsterianna—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, well grown, from $2.50 and upwards.
Phœnix reclinata, 4 in. pots, 25c. each, $20 per 100; 5 in. pots, 40c. each, $35.00 per 100; 6 in. pots, 60c. each, $55.00 per 100; 7 in. pots, $1.25 each.
Phœnix Canariensis, Rupicola and Reclinata, fine specimen plants, from $3.00 to $5 00 each.
Cocos Weddelinna, from 2 in. pots, $1.50 per doz.
ASPARAGUS SPRENGERI 3 in. pots, $1.00 a doz. 5 in. pots, 25c. each.

JOHN BADER, Troy Hill, **Allegheny, Pa.**

L. D. TELEPHONE 872.

Mention the Florists' Exchange when writing.

GALAX LEAVES

For latest prices green and bronze Galax Leaves and Leucothoe, address the introducer,

HARLAN P. KELSEY,

Tremont Bldg., **BOSTON, MASS.**

Mention the Florists' Exchange when writing.

FERN SPORES SOW NOW!!

WE ARE HEADQUARTERS.—Extra large packages of fresh spores, sufficient for 3.00 plants with full cultural directions, post-paid for $1.00.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, **SHORT HILLS, N. J.**

Mention the Florists' Exchange when writing

Boston Ferns

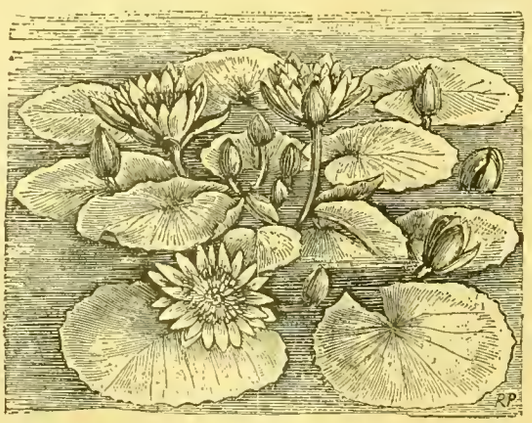
Plants in 6 in. pots, $1.00 each.
Plants in 7 in. pots, $1.25 each.
Plants in 8 in. pots, $1.50 each.

FINE PLANTS IN GOOD CONDITION.
WE MUST HAVE ROOM.

Cash with Order.

C. W. COX, Second and Bristol Sts., PHILADELPHIA.

Mention the Florists' Exchange when writing



Mention paper.

Nymphæa Zanzibarensis.

Water Lilies.

We are headquarters for Water Lilies and Aquatic Plants of all kinds. SOW NOW SEEDS OF

Victorias, Nelumbiums and Nymphæas.

Intending planters will gain a long start and early blooms by procuring dormant tubers of the tender Nymphæas now, and starting same indoors, thus securing strong plants for planting at proper season, and also save the expense of heavy express charges.

We shall be pleased to furnish estimates, and our specialist, MR. WM. TRICKER, will be glad to offer practical suggestions to those intending planting either large or small ponds.

HENRY A. DREER, 714 Chestnut St., Phila

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

WANTED situation as driver; can work in greenhouses. Chas. Sondermann, 250 Winthrop St., Flatbush, L. I.

FIRST-CLASS decorator and maker-up, first-class references, German, wants situation. E H., 209 W. 25th St., New York.

WANTED. Situation with florist, to learn the business, by young man, single; willing to work. Address L. K., care Florists' Exchange.

SITUATION wanted.—Florist, 28; German, strictly temperate; cut flowers or general market stuff; commercial only. M. O., care Florists' Exchange.

SITUATION wanted by a seedsman, thoroughly acquainted with all branches of the business; many year's experience and best of references. M. J., care Florists' Exchange.

SITUATION wanted by young German, age 21 years, good references, seven years' American and German experience. Address T. H. M., P. O. Box 283, Port Richmond, Staten Island.

SITUATION wanted by young man, age 24, as assistant in nursery or cut flower place, with chance to work up; one year's experience. Address Henry Bauer, 385 East 10th street, New York.

FIRST-CLASS gardener and florist open for situation, A1 references including last employer, who moves to Europe. Arnold Hammerle, Wood Ridge, N. J.

PROPAGATOR, grower and forcer, wants situation; first-class references from 12 years' experience in Ghent and London, nurseries. Age 27. H. Stockmans, 8616 Bay 22d St., Bath Beach, N. Y.

SITUATION wanted as gardener and florist, thoroughly experienced in the open and under glass, expert grower of ferns, palms and orchids J. L. care Jackson, Florist, 151 E. 73d St., N.Y. City.

AN EXPERIENCED florist and and landscape gardener wants position in or near Philadelphia. Capable of taking entire charge of nursery, greenhouse or store. Address M. D., care Florists' Exchange.

SITUATION wanted by good, all-round florist, single; 5 years' experience with roses, carnations, violets, ferns, bedding stock, etc.; good worker, steady and reliable. Anton Petho, 199 Haledon avenue, Paterson, N. J.

GARDENER wants situation, thoroughly understands the propagating and management of bedding out and all classes of greenhouse plants, also vegetables and fruit under glass; best of references, married, age 45. J. D., Menaequan, N. J.

SITUATION wanted by man, first on a private place; 15 years' experience in roses, carnations, mums and general greenhouse stock; can furnish the best of references. M. G., care Florists' Exchange.

SITUATION wanted, by a first-class grower of roses, carnations, chrysanthemums and general stock; been in charge of rose houses several years with one of the largest cut-flower growers in the East; capable of taking charge. M. N., care Florists' Exchange.

WANTED—Situation as foreman where roses, carnations, violets and general greenhouse stock are grown; 15 years' experience; American, 28, married, no family; first-class references, strictly temperance. Harry L. Rowe, 18 E. Concord street, Dover, N. H.

SITUATION wanted, by a thorough practical grower of roses, carnations, violets, 'mums, Easter and bedding plants; first-class at floral work and decorating; 18 years' experience, age 32, English, total abstainer. Address Edward Firkin, 834 Madison Ave., Paterson, N. J.

NURSERY FOREMAN.

Situation wanted as foreman on nursery, 20 years' experience, best references. M. M., care Florists' Exchange.

HELP WANTED.

WANTED florist, Christian Scientist, to take charge of commercial plant of three houses. Address M. E., care Florists' Exchange.

WANTED, young man about 18, to work in rose-houses in vicinity of Boston, Scotchman preferred, one willing to work; state wages wanted, with references. Address W. R. M., Box 353, Wellesly, Mass.

WANTED an experienced night fireman, must be thoroughly reliable and not afraid of work. Address, giving reference and wages expected, S. W. Young, Upsal Station, Penna. R. R., Germantown, Philadelphia.

WANTED a single man for general greenhouse work, wages $18 per month and board to start; permanent place; must be sober and a good worker. Answer, stating nationality, age and experience, to M. F., care Florists' Exchange.

WANTED a thorough experienced working foreman for growing general greenhouse stock; no others need apply; state references, wages expected, whether married or single, steady position. J. J. Cummings, 1131 West Baltimore st., Baltimore, Md.

Mention the Florists' Exchange when writing.

HELP WANTED.

WANTED, for roses and general stock, a married man; wages, free house of five rooms and $10 per week; good references required; also an assistant for carnations, wages $5 per week, board and room. Give references. Address John Reck, Bridgeport, Conn.

WANTED, propagator and manager of my greenhouse department, a young man preferred, but none but those who are temperate need apply; a liberal salary will be paid to a competent man; state age, experience and salary required. J. T. Lovett, Little Silver, New Jersey.

WANTED a thoroughly commercial man, experienced in budding and grafting roses, and who has had charge of men when planting nursery stock; no other need apply; must be strictly temperate; good wages to the right man. The Elizabeth Nursery Co., Elizabeth, N. J.

GIRL WANTED.

One experienced in flower and vegetable seeds. Clucas & Boddington Co., 342 W. 14th St., New York.

GARDENER WANTED.

Experienced in grading, lawn making and planting, and familiar with growing nursery stock; state references, experience and salary expected. Elm City Nursery Co., New Haven, Conn.

WHOLESALE SEED HOUSE

in South wants experienced A1 traveling salesman for Texas and Louisiana; good opportunity for right man. Address M. C., care Florists' Exchange.

WANTED.

A sober and honest man that understands general greenhouse work. I grow carnations, violets, 'mums, roses and plants for spring trade. Send references and wages wanted with board, to J. Culver Voorhees, Somerville, N. J.

SEEDSMAN WANTED.

A permanent position for young man with thorough knowledge of the seed business and first-class salesman; state wages, age, experience, etc.; half fare paid to suitable man. The Pacific Seed Company, Sacramento, Cal.

MISCELLANEOUS WANTS.

WANTED to rent a small greenhouse establishment in good order, within reach of the N. Y. market; please state full particulars. Address M. K., care Florists' Exchange.

WANTED to rent, 20,000 to 30,000 feet of glass that is in good condition, no old houses wanted; please state full particulars. M. C., P. O. Box 460, Madison, N. J.

WANTED, 2500 Geraniums, rooted cuttings, standard varieties such as Riccard, B. Poitevine, S. A. Nutt, Hill, Double Grant, etc. Address A. Nelson, Box 1450, Paterson, N. J.

WANTED.

Three thousand feet of four-inch pipe; state lowest price. Myers Bros., Eldorado, Pa.

RUBBER PLANTS.

Wanted, 500 small plants to grow on; state size and price. Address F., care Edgar Sanders, 1639 Belmont ave., Chicago, Ill.

WANTED.

2000 rooted or unrooted cuttings of Farquhar violets. Send sample, state price; must be strong stock. Otto Sylvester, Oconomowoc, Wis.

WANTED TO RENT.

Range of glass 8,000 to 12,000 feet, must be in good condition; state full particulars. E. Smith, 375 Arlington avenue, Brooklyn, N. Y.

WANTED TO RENT.

Before first of June, without stock, range of glass, 15,000 to 30,000 ft., suitable for rose growing, within 30 miles of Boston; must be in good condition; state full particulars.

M. L., care Florists' Exchange.

BUSINESS OPPORTUNITIES.

FOR SALE a well-established florist business in one of the best neighborhoods of the upper west side New York City. M. H., care Florists' Exchange.

FOR SALE or rent. Greenhouses and 8 acres of land, within 5 miles of center of Philadelphia, in an improving district; 45,000 feet covered with glass, steam heated, stocked with roses, carnations, asparagus, smilax, violets, etc.; 12-room dwelling, stable, 7 tenant houses. For further particulars address Evans' Rowlandsville Nurseries, Station F, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

CHANGES IN BUSINESS.

MASPETH, L. I.—Ed. Fischer has rented a range of greenhouses here.

KINGSTON, N. Y.—John McVey will open a branch store on Broadway, with Miss Jeannie Meagher in charge.

LYNN, MASS.—Frank J. Dolansky and F. A. Smith have formed a co-partnery and will operate greenhouses here, also carrying a line of nursery stock, etc.

GRANVILLE, OHIO.—W. H. Stenger, who has been removing and rebuilding his greenhouse plant, has completed the work, and has his stock in good shape for business.

SOUTHINGTON, CONN.—G. W. Matthews, formerly with the Quinnipiac Valley Greenhouses, has secured a lease of the property and will enter business for himself. Several improvements will be made on the houses in the Spring, and the stock will be largely increased. Mr. Matthews intends to do a wholesale business as well as retail.

Firms Who Are Building.

KNOXVILLE, TENN.—Chas. W. Crouch will soon begin the erection of two large greenhouses.

WILLIAMSPORT, PA.—Daniel E. Gorman is completing another greenhouse and store room.

A New Lilium.

Lilium Masseyi, n. sp.—Bulb 12mm in diameter or less, composed of fleshy scales; stem 1.5 to 3dm high, with two distant scales below; leaves linear, acute at both ends or the lower obtuse, 12 to 25mm long, 2 to 4mm wide, in whorls of 3 to 8, the central ones generally alternate, glaucous, the margins revolute, prominently three veined; flowers 1 to 3, erect, 2.5 to 5cm high; perianth reddish orange, its segments spatulate, obtuse, slightly pubescent, the blade 6 to 12mm wide, gradually narrowed into the claw, purples potted below; capsule obovoid, 12 to 25mm high.

High mountain meadows of North Carolina, July-August. Named in honor of Prof. W. F. Massey, Horticulturist North Carolina Agricultural Experiment Station.—C. W. HYAMS, Agr. Exper. Station, West Raleigh, N. C.

BUSINESS OPPORTUNITIES.

WELL, young man, why don't you go West and make some money? Here is an opportunity. I offer a first-class established florist business for sale, greenhouses well stocked with plants for the trade; 2500 carnations in bloom, etc.; street car goes to the door, business established 1890; in connection own brick building specially erected for down town store in the heart of the city with 4 years' lease yet, 21 feet, nicely furnished. Take $1500 for the whole business complete, as owner must be in Germany in a short time. Write or wire; first comer gets it. The Fleischer's Greenhouses, Pueblo, Col.

SALE OR RENT.

Modern greenhouses, hot-water heating, 5,200 feet of glass, stable with three rooms, six acres, high ground, fruit trees, grape arbor, within 45 minutes of New York. Room 144, 49 Cortlandt Street, New York.

FOR SALE CHEAP.

Three Greenhouses, 20x80 feet, all improvements, and residence on property. Good location, near New York. Three minutes from R. R. Station. Rare chance, liberal terms. Address MILLER & CHRIST, New Hyde Park, L. I., New York.

FORECLOSURE SALE.

Tuesday, Feb. 27, 1900, at City Hall, New Rochelle, N. Y. Three large greenhouses, potting house and boiler room, fitted by Hitchings; dwelling, nine rooms, two stories and attic, modern conveniences; two acres of land, 15 minutes from station. For further particulars apply in advance to F. A. Gundlach, 940 Columbus ave., New York

MISCELLANEOUS.

STEAM and hot water boiler for sale, as good as new; has been used less than one winter; good reason for selling. For price, etc., address Hopp & Lemke, Paul P. O., E. Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

CARNATIONS.

Notes on Newer Introductions.

(Continued.)

H. WEBER & SONS, OAKLAND, MD.

G. H. Crane, all things considered, is the best scarlet we have ever grown—a continuous bloomer, good length and stiff stem, and always of a good color. America is scarcely inferior to Crane; will surpass Crane in vigorous growth and freedom of bloom, while the flowers will average quite as large, if not larger. In length of stem and point of color it is not quite Crane's equal. With Crane and America in the field Portia is now out of the race. Before the advent of Crane and America, Hector was the most satisfactory large scarlet we could grow. It will average several flowers to Jubilee's one during the season; in color it is several shades deeper than Crane, but will probably not withstand the competition of it and America, excepting, perhaps, with a few who grow it exceptionally well. Wellesley is outclassed by the new ones of last year, and will be dropped.

White Cloud unquestionably is the finest white now in commerce. Strictly speaking, it has no dangerous competitor. There is no white which will pay better. Flora Hill is the nearest approach to a rival of White Cloud. With us it is particularly valuable for early Fall blooming, and for late Spring and Summer; in this respect it is superior to the former, but in all else, save size, it is secondary. John Young, when a medium grade of flowers is wanted, is the kind to grow. In growth it is very vigorous and free in bloom. While it will not grade as a fancy in the sense that White Cloud will, it is nevertheless a profitable sort. Evelina certainly is the freest blooming white to date. Its dwarf habit makes it valuable to grow on side benches. It is the best white for designs. We find it valuable in its place. Storm King has always been a good thing with us—flower is very large, rather tall grower and good producer; stem stiff and wiry. We consider it the best of the old ones.

Wm. Scott is still a good all-round pink, but will not grade as a fancy. It suffers by comparison with the new ones, and is doubtless nearing its end. Daybreak we regard as still the best of its color. McBurney was to supersede it, or at least divide honors, but has failed, and Daybreak still reigns. Where a strong, thrifty, free-growing and prolific blooming deep pink, which will grade a good medium flower, is wanted, New York will fill the bill, but it cannot travel as a fancy. Cerise Queen is beautiful in color and of good size; a fair grower and bloomer, but lacks length of stem. Will not grade as a fancy. Argyle, if it had a better stem, could be called a good one, but lacking this, and not being over free, will cause it to be dropped. Mrs. F. Joost is a good all-round light pink. We regard it as a profitable variety. Its color is extra, size fair, growth vigorous; while it will not grade as a fancy, it comes very near it. Triumph is grand with those who grow it right. It is large, has a fine color, good stem, vigorous, thrifty habit, and free blooming. Grades easily as a fancy when well done. Its most serious fault is bacteria, largely the result of improper culture. Melba might be classed as a good, medium, light pink, but will not do for fast company.

In variegated Mrs. Geo. M. Bradt easily leads the procession. In a light house with good ventilation the stem is strong enough. Grades as a fancy without trouble, and is a continuous bloomer in every sense of the word. Very profitable. It is in a crowd all by itself.

Among the yellows Buttercup is the deepest and richest, but unfortunately it is not a vigorous grower in all sections. We find it does best with indoor culture. Grown in this way it produces many more flowers than either Pingree or Gold Nugget. Mayor Pingree is the largest and finest yellow; is easily a fancy, but requires good culture to make it produce paying returns. Gold Nugget approaches Buttercup in color, and is a much more vigorous grower than that variety. The flower is of good size, and with a little pushing can be graded as a fancy. Its most serious drawback is lack of freedom.

In the crimson class General Maceo is the leader; has become very popular, and is a paying variety. While it is not ideal in all respects it can be recommended as the best yet out. General Gomez in color is not quite as dark as Maceo, and for this reason is preferred by some; it lacks a little size, but is very free and profitable.

Continued on page 157.



A BUNCH (25) OF CARNATIONS—QUEEN LOUISE.
J. L. Dillon, Bloomsburg, Pa.



GROUP OF CARNATIONS—ESTELLE.
R. Witterstaetter, Cincinnati, O.



GROUP OF CARNATIONS—GENEVIEVE LORD.
H. Weber & Sons, Oakland, Md.



GROUP OF CARNATIONS—MARY HILL.
E. G Hill & Co., Richmond, Ind.



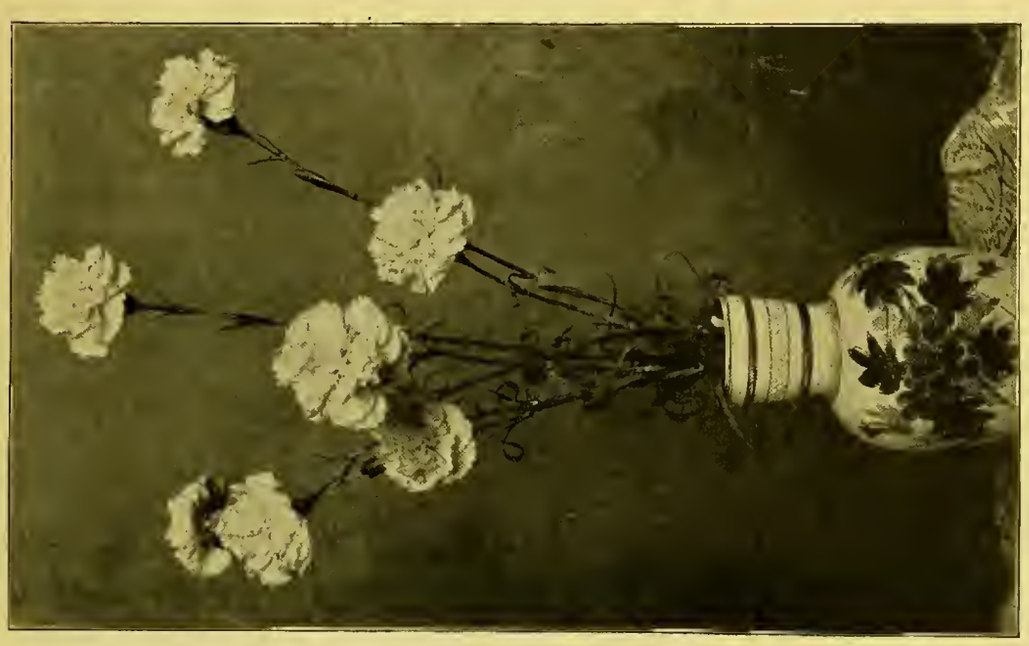
SINGLE BLOOM, CARNATION—GENEVIEVE LORD.
H. Weber & Sons, Oakland, Md.



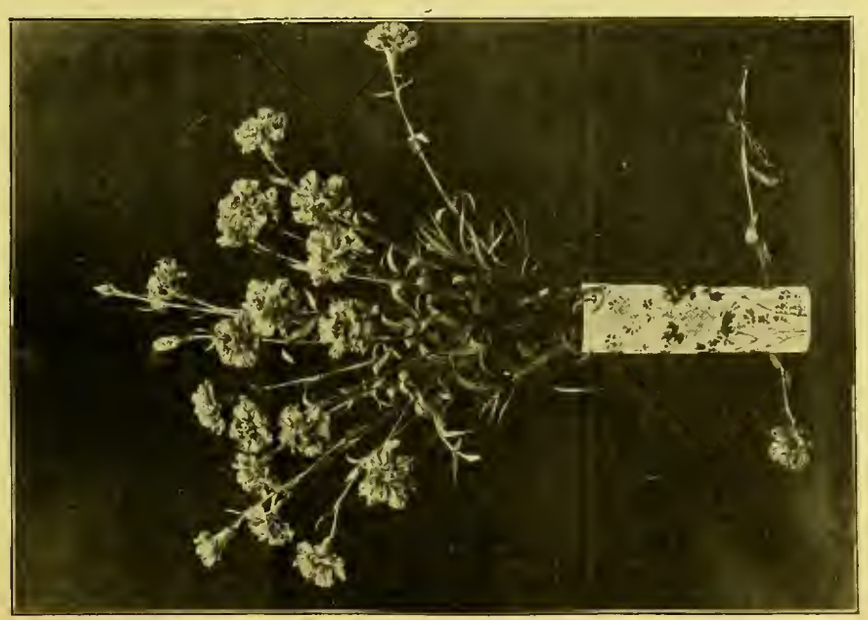
GROUP OF CARNATIONS—ADONIS.
R. Witterstaetter, Cincinnati, O.



GROUP OF CARNATIONS—ELINOR.
R. Witterstaetter, Cincinnati, O.



GROUP OF CARNATIONS—No. 110—1896.
H. Weber & Sons, Oakland, Md.



A BUNCH OF CARNATIONS—IRENE.
Crabb & Hunter, Grand Rapids, Mich.

Among our seedlings Genevieve Lord is a seedling of 1896 (Edna Craig × Scott). Some seed was raised during the Winter of 1895-1896, on a few exceptionally healthy, vigorous plants of Edna Craig, which had been propagated from one particular plant which seemed to be entirely free from the bacterial troubles peculiar to that variety. These few plants gave extra fine flowers on stems 2½ to 3 feet in length, strong and stiff. Among the crosses made on these were several with Wm. Scott. Genevieve Lord was the best of these seedlings. It has retained the good characteristics of both parents. The long stems, large flower, and beautiful color are taken from the seed parent, while the continuous and free-blooming habit is derived from Scott. In growth and habit it is midway between the two. It is an exceptionally healthy and vigorous grower and with us the most profitable pink carnation we have ever cultivated. No. 110 is a seedling of 1896; record lost. A white of large size, extra long, strong stems; very vigorous, strong grower; is very easy to handle and very profitable. Grades easily as a fancy, very few blooms being under 3 inches. No. 30, seedling of 1896 (Daybreak × Albertini), is several shades deeper than Scott, has proven a most satisfactory grower and producer. There is no variety which approaches nearer a continuous bloomer than this one. The plant is sturdy in growth—on the Daybreak order, but freer and more vigorous. The flower is large, very full and of fine form. Stems 2 to 3 feet, and strong, supporting the heavy flower admirably. No. 126, a seedling of 1896, is a crimson scarlet, and, with us, the best of its class. A vigorous, strong grower, and free bloomer. Does not start as early as some, but a strictly continuous bloomer when it does. Flowers 2½ to 3 inches, borne on strong stems 2 to 3 feet long. Strong, spicy odor.

Further Grand Rapids Notes.

G. F. CRABB.

G. H. Crane, darkish scarlet, strong, stiff stem, fine fragrance, free bloomer; with us inclined to crop, but the best red to date, every flower coming perfect and very profitable to grow. America is also a fine red, but much lighter in color, and goes Crane, in all particulars, a close second. They make a good pair. Jubilee is a strong, upright grower, fine flower when well done; free and bright, desirable color, but too many flowers come imperfect, and the variety is extremely rusty.

It is not profitable except a fancy price can be had for the perfect flowers. Firefly has bright clean foliage, strong grower, a free bloomer; flower a little small, yet for a retailer a very profitable variety to grow. Red Jacket is a large flower, of good substance, long stem, but not as free as could be desired. Bon Ton is affected with a disease that stunts its growth, so that it hardly flowers at all, and, here, is worthless. Evanston is a cerise scarlet, free bloomer, much liked around Chicago. It is a sport of Tidal Wave, and is identical with that variety in all except color. Profitable for the retailer, the flowers being a trifle undersized to make it a desirable shipper.

Mayor Pingree, large, fine flower, light yellow, with faint red markings, is fairly productive for so large a flower. The best yellow so far; a fancy, requiring a fancy price. Gold Nugget is the best color, being a bright shade of yellow, but, with us, not as free as Pingree.

Maceo is an acquisition in the crimson varieties; a fine flower of that deep velvety blood red shade that sells on sight; a free bloomer, no disease, strong growth. Will displace Meteor at once. It is a profitable variety. Our No. 6 seedling is identical with it in color and shape of flower, but has a trifle larger bloom, a longer, finer stem; but it must have a better trial before anything definite can be said about its freedom of bloom and profitableness. Empress is worthless here; not a flower to date, and hardly a sign of a flower shoot.

Mrs. Geo. M. Bradt, the phenomenal still among the carnations, the heaviest flower, which bears down with its weight what might otherwise be a stong stem; a continuous bloomer, and, at fair price, very remunerative. Should be grown by everybody. Psyche is a large, striped flower, very free indeed; weak stem; but from its freeness and size, a very profitable variety, particularly for the retailer to mix in with other kinds. Saginaw is another good striped kind, with strong stem, fine flower, but too shy to be profitable; will be dropped.

American Carnation Society.

NINTH ANNUAL MEETING.

Buffalo, February 15 and 16, 1900.

First Day—Morning Session.

Thursday, February 15.

After an interval of nine years the American Carnation Society again visited the Bison City under most favorable auspices. No better object lesson could be presented of the wonderful advancement made in carnation growing during the life of the society than was shown in the high quality of the flowers placed on exhibition as compared with those staged when the society first met here. The show was one of the finest ever put up at a Carnation Convention. The attendance was also most gratifying, large delegations coming from the middle West, and some even from Iowa and Nebraska. New York and surrounding districts sent but a small representation. Owing to a landslide, the Boston party was a few hours late. During the morning a heavy snowstorm fell, but mild weather prevailed later. The night previous to the meeting a fire occurred in the freight elevator shaft of the Genesee, somewhat hampering the arrangements for delivery of exhibits, but these, as a whole, were very satisfactory.

The exhibition was held in a large room in the hotel, the accommodation being ample and extensive. The flowers, notwithstanding the distance many traveled, opened up in very fine condition, and consignments continued to arrive up to the opening hour.

The first session began at 11 o'clock in the morning, President Craig in the chair. Wm. Scott, of Buffalo, introduced the Mayor of the City, Dr. Diehl, who made a neat address. He said in part: "I wish I could speak to you as well as my feelings are toward your flowers. It gives me extreme pleasure in welcoming you to our city. I am sure that your deliberations will be of benefit to yourselves and to mankind. You aid in creating a love for flowers and plants, you get the citizen to love them, and you make a better man of him." He spoke feelingly as a physician of the cheering influence of flowers, and especially of carnations, in the sick room, an influence which no words of his could properly convey. The Mayor extended an invitation to the society to visit the coming Pan-American Exposition in 1901, where it is proposed to make the Horticultural Department one of the leading features, and closed his words of welcome by extending the freedom of the city.

Mr. John May made the response to the address of welcome, commenting on the well-known hospitality of the City of Buffalo, and touching upon the increasing growth of its population. He showed, by comparison of flowers, the great evolution going on in carnation culture. He thanked the Mayor for his words of welcome, adding that the presence of the chief official of the city at the meeting lent éclat to the proceedings. The speaker heartily indorsed the Mayor's remarks regarding the benefit of flowers in the sick room.

Wm. Scott gave the welcome on behalf of the Buffalo Florists' Club, hoping that members would not too literally take the Mayor's extended freedom of the city. The speaker referred to the last meeting held here, and asserted that he desired to vindicate his own character and that of the local club as entertainers. He spoke hopefully of the success of the present gathering and exhibition.

President's Address.

President Wm. P. Craig then delivered his address, as follows:

Nine years ago, in the State of New York, was held the first regular meeting of the American Carnation Society. The society since that time has grown greatly in membership and in influence; the good it has done is apparent to all who have watched its workings; it has diffused among its members much valuable information and has greatly stimulated the production of new varieties, and among these new varieties there comes at rare intervals one which, in one or more counts, is superior to anything existing in its particular class, and while it is safe to say that on an average it is necessary to raise and test a thousand or more seedlings in order to secure one that will, by its own merits, secure a place more or less prominent as a commercially valuable carnation, our exhibition tables show that this year there have been put on the market at least half a dozen which promise to add to the already great prestige which the carnation has as a florist's flower.

I need not name these candidates for popular favor; they are here to speak for themselves, more eloquently than human tongue can, and to testify that the standard of culture is being raised higher and higher year by year. As a matter of fact, the culture of the carnation is being so rapidly improved that it is not possible to name a single variety that was largely grown nine years ago, when this society was organized. At that time such varieties as Grace Wilder and Portia represented the highest standard of culture, and what chance would they have in competition with the leading varieties of to-day?

It is a matter of great regret that there has not been more roses of import introduced in the last decade; while we have at least a dozen varieties of carnations which can be grown in quantity, and it has been said all at a profit, there are practically now only four roses in anything like common use. Let us congratulate our brothers, the rose growers, on the formation of their Rose Society, and express the hope that it will do for the rose as our organization has done for the carnation. And we feel sure that this will be the case now that there is such a society devoted to the interests of the rose; growers will be encouraged to devote time to the crossing of varieties, with a view of raising new shades of color which shall be fitting companions for the Bride and Bridesmaid, and perhaps it is not too much to hope that a white or pink rose shall be raised which shall be in the class with the magnificent and peerless American Beauty. The fact that there is now an official and powerful tribunal ready to recognize and give full publicity to any meritorious new comers, will certainly stimulate the production of new varieties. The Carnation Society extends congratulations to the young brother (or sister) and wishes it every success. How to conduct a carnation or a rose society that they may advance in power and influence can only be learned through experience, and the measure of the advance will be in proportion to the earnestness of its members, and to the faithfulness with which they shall apply themselves to the problems which arise from time to time. If we shall be able to improve the methods of conducting our society, as much as the growers have improved cultural methods, those who conduct our society a decade hence may look with a feeling akin to pity on our very feeble efforts.

I will not take up your time with an allusion to improved cultural methods, because those advances are made known from time to time in our trade journals, which are devoting more space to carnation matters than to the interests of any other class of flowers. The papers which are to be read, and the discussions which will doubtless take place during this convention, will also fully elucidate these points. I will, however, suggest what seems to me would be an improvement in our scale of judging by points. In our present scale there is no provision for recognizing the keeping qualities of a flower, which is very important. Many of our leading retail florists consider this the most important quality in the flower. No matter how developed the variety may be, if it goes to sleep soon after delivery to the customer, nothing but dissatisfaction can result. I would, therefore, suggest that we drop from the scale the 10 points for substance and the 10 for plant (which latter has already been done, said points being allotted to color and stem), and also the 5 points for calyx, and give these 25 points for keeping qualities. The flowers can be adjudged on the first day as to all the points, excepting those for keeping qualites, which latter would be determined just before the close of the exhibition.

And now, in closing, let me bespeak a full attendance at every session of this convention. Don't allow the attractions of this fascinating City of Buffalo to lead you astray, and don't forget that we want to increase our membership. Get your friends to send in their names; the greater our membership the greater our power will become.

Selection of Judges.

The judges selected were: For seedlings, Wm. Scott, W. N. Rudd, Adam Graham; for commercial varieties, J. M. Gasser, Fred. Burki, W. J. Palmer, Sr.

Discussion of President's Address.

A brief discussion on the matter of including points for keeping qualities in the scale took place. Mr. John N. May stated that retail men find the keeping qualities of a carnation a most important matter, and these men, growers have to consider; no matter how beautiful the carnation lacking lasting power, its value was impaired. Mr. E. G. Hill thought the subject involved many difficulties. He considered the matter involved one largely of growing and temperature, as well as in difference of soil. If the change proposed was made, the speaker said cognizance ought to be taken of the time at which the flowers were cut, and also of the length of time required in getting them to the exhibition room. He did not see that it would decide anything unless time allowance was made to the man shipping long distances, and advised serious consideration before taking any definite action. R. Witterstaetter believed very much depended on how flowers were cut and afterward handled. He referred to the variety Emma Wocker as being accused of going to sleep, yet he had had blooms of it that held in good condition for six days and longer. In his vases of flowers on exhibition to-day were many blooms that were cut in January. He supposed if somebody else had handled them they might have gone to sleep. He considered substance was the whole thing. Mr. E. G. Hill humorously referred to "ether" in Witterstaetter's cellar, proceeding from casks and barrels, as having a beneficial influence on the lasting qualities of Richard's carnations, although the same ether had made men inhaling it knock-kneed. (Laughter). The discussion was continued into the afternoon session. There were about one hundred members and others present.

Afternoon Session.

M. A. Patten reported for Committee on Lawson Medals that the design by Henry Mitchell, of Boston, was the choice of Mr. Lawson and also of the committee, who had procured one gold and two silver medals, Mr. Mitchell donating also one silver gilt and one bronze medal.

Renewed Discussion on Keeping Qualities.

G. F. Crabb opened the discussion on the incorporation of keeping qualities into scale, urging that at least 15 or 20 points should be accorded for this quality. He suggested that flowers be sent to some prominent commission house as a test, at least three days previous to the annual meeting, and that these then be put up for comparison alongside the fresh flowers exhibited. Mr. Crabb stated that he was growing most of the new varieties and that some of them do go to sleep too quick. In reply to Mr. Witterstaetter, the speaker stated that the sleepy flowers were poor in substance. Mr. Witterstaetter answered that substance was already covered in the scale.

Robert Craig thought that substance was pretty hard to define, and the only way to find out the lasting qualities was to put flowers in water and test them; after two or three days that quality could be better ascertained than at the moment of judging the carnation.

E. G. Hill replied that the society was treading on dangerous ground. He said the keeping qualities of a carnation where something anterior to their appearance on the exhibition table. He was pretty well satisfied with the present scale, and maintained the impossibility of framing one that would accurately determine the value of a carnation; the quicker we get that fact known the better for the florists' clubs generally, as well as for the Carnation Society.

G. F. Crabb also suggested personal inspection of plants at greenhouses by a committee.

J. L. Dillon thought photographs taken every two weeks for a certain length of time and placed on exhibition with seedlings would give considerable expense.

W. F. Kasting believed a great deal of the fault lay in the flowers not being cut at the proper time; many growers did not know when flowers were ripe.

Mr. Bauer remarked that flowers cut with a sharp knife had advantages two to one over those picked.

Mr. Mitchell stated that some flowers during the months of November, December, January and February would not last, on the plants, over three days, while in hot weather they stood for ten days; some varieties ripened pollen earlier than others, which might have some influence on keeping qualities.

Mr. Hill considered that an important point. He said that when pollenization occurs flowers go to sleep.

G. F. Crabb cited a case where flowers cut from a house fumigated the previous night went to sleep very early; on investigation it was found that inferior tobacco stems had been used, and these treated with sulphur. Mr. May stated that carnations will not ship well taken from houses fumigated the night before, whether the tobacco was good or bad.

John N. May pointed out how flowers suffered in transit, militating against lasting qualities.

This point was corroborated by W. F. Kasting, who asserted that shippers of carnations use too many old newspapers and other such material in the packages, thus overheating the flowers and absorbing the moisture.

Committee on Scale.

G. F. Crabb recommended a committee of five to revise the scale so as to incorporate all practical points brought out in the discussion and to secure better handling of flowers by express companies.

This was amended by Robert Craig, who recommended that if the committee cannot, in a practical way, determine the keeping qualities by means of a scale of points, it be instructed to report some other means. He thought some local committee might be appointed to test just this quality.

Committee on Expresses.

E. G. Hill suggested that the society make a test case against the express companies whenever clear evidence of negligence in handling flowers was procurable, and thought the S. A. F. should join in this. The following committee was appointed under the above resolution: G. F. Crabb, Fred. Dorner, Jr., J. L. Dillon, William Weber and James Hartshorne.

Committee on Premium List.

A committee to revise and provide for next year's premium list was appointed as follows: Wm. Scott, Adam Graham, E. G. Hill, J. N. May and Wm. Nicholson.

The secretary reported favorably on reduced railroad rates for next meeting, providing the attendance from outside points reaches 100.

Committee on Amalgamated Meeting.

A. Herrington brought up the matter of the Rose and Carnation Societies holding their meetings at the same place and time.

This was indorsed by Mr. Craig, who thought that such an action would benefit both the rose and carnation growers.

J. N. May, Wm. Nicholson and A. Herrington were appointed as a committee to consider the advisability of this.

A Talk on Hybridizing.

Mr. Fisher having been unable to prepare a paper on hybridizing, Mr. R. Witterstaetter gave a few general suggestions. He advised good quality in both parents, but said it was very much of a lottery and no definite rule could be set down.

In reply to a question by C. Besold, as to the statement that one cannot get from crossing any color other than that which existed in the parents, Fred. Dorner remarked that color could not be relied upon at all, two crimsons would sometimes throw a white. The only properties to be secured were blooming qualities and habit of the plant; the color has been improved in some instances, but these were more from chance than anything else.

The session here adjourned.

Visitors were now also present from Canada, with a fair attendance from New York, many arriving since the morning session.

Evening Session.

The evening session opened with the report of Treasurer Albert M. Herr, showing the society to be in most flourishing condition, as follows:

SECRETARY'S REPORT.

Your secretary begs leave to report having issued the proceedings of the meeting held in Philadelphia, Pa., in due time, and having mailed the same to all members not in arrears for dues.

The resolution of thanks to Professor Arthur was printed and forwarded to every Experiment Station in the United States, and a separate copy to a number of officials, state and otherwise.

Membership in the society has remained about stationary, the few dropping out having been replaced by about an equal number of new members.

Registration has been pretty generally followed up by members and by non-members, wherever a variety has been named with the view to introducing it to the trade, and thus quite a few cases of the duplication of names avoided.

This was followed by Mr. Jas. Hartshorne's paper, as follows:

Growing Carnations Under Glass All Summer.

What first induced me to try this method was the reading of some carnation notes by Edwin Lonsdale, of Philadelphia, some five or six years ago, telling of the success he was having with certain varieties, notably Buttercup and Helen Keller. I first tried it in a small way, planting about 100 or so of each variety, and on the first experiment secured blooms far superior to any that I had ever been able to produce from Fall-lifted plants. I became so convinced that I was on the right track that each year following I increased the quantity of plants for trial, so that now, the fifth season of my experimeat with this method, we grow practically all our carnations indoors. I feel that we have passed the experimental stage, and can conscientiously recommend this method to anyone who wants high-grade carnations from September to July.

My understanding of growing carnations inside all Summer, and that of others regarding the matter, undoubtedly makes the title of the subject a trifle misleading, as I do not think it practicable or advisable to keep the plants indoors entirely. They should be planted outside as early in the Spring as possible. Plant close together in the rows, say about 6 or 8 inches apart, and allow just enough room between the rows to work a hand cultivator. By July 1, if you have attended faithfully to the pinching process, you will have nice, bushy little plants. At this date, or as soon after as you can prepare your houses to receive them, they should be housed.

Allow me here to lay stress on the fact that the greatest enemy to successful indoor culture is red spider, and that the grower should thoroughly cleanse his houses of this pest before planting young stock in them. I also would advise giving the plants a good syringing before lifting, as some of the varieties get badly infested with spider in the field—at least, we find it so in our locality. The houses should be shaded during planting, unless you can get a few days of cloudy weather, which is seldom likely at this season.

Treatment after housing is much the same as that ordinarily practiced, except that the details of culture demand greater carefulness. The walks, walls and surfaces underneath the benches should be well syringed to keep down the spider. If this is given close attention, as it should be, it will not be necessary to syringe the plants more than once in two or three weeks. If done early in the morning I find it very beneficial, as it washes the dust off the plants and keeps the pores of the foliage open for action. It is also well to get the hose outside occasionally to wash the dust off the glass, as the more light the plants receive after they are established, the healthier and tougher will be their growth. The soil should not be too rich, or it will cause a too soft and spindling growth. If the soil is naturally good, rotted sod, etc., it is best not to add any manure whatever. Superfluous manure is one thing in particular which must be guarded against to insure success, as with such a high temperature and a regular supply of moisture at the roots the plants will grow fast enough without it. It means more labor feeding later in the season, but at the same time it is, in my belief, very essential for the health of the plants. One of the principal drawbacks to growing inside is the baking and cracking of the soil, conditions peculiar to our soil as soon as it becomes dry after watering. Where this happens it makes a great deal more work cultivating the soil by hand as against using a cultivator outside; but to do away with so much of this extra labor, when scratching up the soil between the plants, I find it a good plan to leave a ridge or elevation of the soil between the rows, thus affording for the rows of plants a sort of gutter, where all the water should be applied and not allowed to run over the surface of the entire bed. It is necessary not to use a too strong force of water or it will wash the loose earth in heaps. The ridges of soil between the rows are intended also to act as a mulch for the roots, which is better for the health of the plant than a mulch of manure, unless the latter be very fine and minus nutriment.

The ventilators should be left open night and day until the temperature gets down to 40 degrees at night. It is quite important to give them the benefit of this low temperature, if it can be done before the blooms appear, which for our market would be about September 15 to October 1, as it seems to give the plants a more vigorous growth, the foliage a nice bluish color, and the stems additional stiffness. As soon as the blooms appear, one can readily note the superiority of the flowers of inside stock to those from plants lifted only two or three weeks before. The former are in good demand, at some times double the price of the latter, which are often hard to dispose of at any price, owing to the large quantity of such stock in the market at this period. I do not believe that as good blooms can be produced by field grown plants until about February 1. At this date, the outdoor stock begins to catch up; but there are already gone four of the best months for marketing the product, and right here is where the indoor-grown stock gains the advantage over the outdoor, and the real reason why I advocate indoor culture in preference to Fall-lifted plants.

I notice that the majority of the growers around Chicago are planting a week or two earlier each year, so that now some of the most prominent growers are planting in July, and they keep making a better reputation each year for carnations.

To be as brief as possible, I might sum it up in this way: It requires more labor to care for the plants when grown inside, consequently it brings a higher cost on the product; but the grower will not have such a grassy growth of plants, thus enabling him to plant closer and to cut as many or more blooms from a given space than from field plants, and as I claim one can get a higher price for the blooms during at least a considerable portion of the four months already indicated, the additional receipts from the indoor method will be so much more than the extra cost of production as to still leave a very considerable balance in their favor.

Discussion.

In discussing the paper Mr. Rudd stated he had grown his stock indoors altogether for several years, unless some reason compelled outdoor growth, and he certainly would not do this unless he considered it the most profitable way to handle the stock. G. F. Crabb said he had planted Irene seedlings the latter part of June from 4-inch pots into bench; others he planted the forepart of August in the midst of warm weather. The bench planted and grown indoors did not produce one flower to three of those put out in the field, though having a little the best of it in stem and flower. Mr. Weber indorsed Mr. Hartshorne's plan. He could succeed with Buttercup only when grown indoors. In reply to a question by Mr. Scott, Eugene Dailledouze said he planted No. 666 both ways, and got about three blooms to one from those planted in the field, and saw very little difference in quality. Mr. Weber stated young plants propagated in May or June should not be compared with others propagated earlier, and kept growing on in pots. Mr. Dailledouze said he used the very best plants for inside culture, and the stock set early was 50 per cent. better in the field.

Mr. Ward asked Mr. Dailledouze if he grew plants inside all the time, and receiving a reply in the affirmative, Mr. Ward then remarked that his experience with plants grown inside was that he had not got as many flowers as from those grown outside. If he wanted to get large, strong plants he would leave them out late, say to the end of October, thereby getting a larger cut than when brought in the first of August, but the quality was not there. He intended to plant seven houses with stock to be grown inside all Summer. The idea of putting plants out a little while in the early part of the season, as suggested by Mr. Hartshorne, was a good one, and one he would adopt with three or four houses. He did not expect to cut as many flowers from inside plants as from those grown outside and lifted.

Mr. Dailledouze thought to grow carnations for exhibition entirely under glass was the best method. He grew all his novelties on a bench inside. Crane gave better results lifted; Gold Nugget about equal; Maceo a decided advantage in lifting from the field; Gomez about even results; with Eldorado he could not tell the difference. Mr. Ward stated a selection of varieties to grow under glass would have to be made. Mr. Dailledouze added Triumph as one variety that will do well inside. Mr. Hartshorne stated that Jubilee was a success under glass from the beginning.

He had also got good results from Mrs. James Dean, although he would not lay it altogether to indoor culture; it had given 25 to 35 per cent. more flowers up to February 1 than last year. Bradt has also given more flowers in indoor culture. Sometimes plants did better this year than last; in others the reverse was the case. He would not go on record that there was any variety that would do better under glass, neither would he contradict it. Had never seen a man unaccustomed to indoor culture handle plants so well at first as he did those from the field. Ultimately, however, success would come.

Mr. Hill remarked that Jubilee would do and pay well grown under glass in Summer. He referred to a fine batch of Evelina grown in that way by Mrs. Graves, a neighbor; she literally cut flowers from that variety by the thousand. He grew America two or three years ago inside and never got a finer growth, but did not get flowers until along about the first of the year. Last year he found America lifted from field started to bloom at once and kept on producing about three times as many flowers. He also spoke of fine Triumph grown outside by Peter Reinberg, Chicago. Some two varieties he had in mind one year refused to bloom early under glass, only producing a small number of flowers; the following year yielded a fair abundance. He would, however, prefer to put his plants outdoors.

Mr. May told of success with Maud Dean indoors; it was, however, a cropper. He then gave his experience with Olympia. On July 1, 2 and 3 he planted from 4-inch pots 3,000 plants in the house, selected stock, all propagated within a week of those placed in the field. The plants are fine, but the number of flowers per plant proportionately had not been one-half as many as from those lifted first and second week in September from the open ground. He could not say that indoor culture was an advantage either for early blooming or number of flowers produced. Mr. Scott thought that Mr. Hartshorne had struck the right idea, and if the plants are set out by the first week in April, it will have three months during which time plants will get rains which are of great benefit to them. Carnation growing inside altogether might suit where one got 10c. per flower, but for the every day carnation grower the speaker believed in getting plants out early and getting them in early.

Mr. Marquisee asked about the construction of houses for growing indoors all Summer. Where houses were low, old fashioned, with solid side walls, and ventilation only at the roof, could such a practice be followed? Mr. Ward said he would not attempt to grow carnations inside in what might be called old fashioned houses, preferring those with a ventilation at both ends, both sides and double ventilation at top. When he planted he expected to take off the side ventilators entirely and fasten up top ventilators. Mr. Hartshorne's said his houses were hinged at the roof, giving 4 feet ventilation all the time; he did not think it necessary to have side ventilation. He had noticed that at ends of houses, where the wind blows in, the soil gets dry, and the spider attacks plants. Mr. Marquisee had observed that where houses had ventilation at both sides and on top temperature had run up to 120 degrees, sometimes when south ventilators were open; he did not think such temperature conducive to the welfare of carnations. Mr. Hartshorne had never seen houses go over a hundred; the width of a house made great difference. With the long slope facing south, and a wide house with ventilation only on one side, he would not attempt to grow carnations inside on a large scale. His houses were 22 feet wide and open 4 feet at top.

Mr. Dailledouze had ceased using side ventilation for the reason that he could not get air. Mr. Ward had side ventilation, and where used found that there was rapid evaporation, which he liked, especially on hot days in August. Rapid evaporation meant cooling, and if side ventilators were opened and house hosed freely under benches, the temperature inside would be less than outside.

Mr. Dailledouze had tried both ways and found the temperature one or two degrees lower with top ventilation without side ventilation. Evaporation meant a hardening of the plant and a bringing on of insects. He moistened under the benches.

Selection of Next Place of Meeting.

The discussion here closed. The selection of place for meeting in 1901 was then voted on. Mr. Hill proposed Indianapolis, Messrs. Weber and May, Baltimore; Mr. Raekham, Detroit. The Business Men's League of Cleveland also sent an invitation. The voting resulted in favor of Baltimore.

Nomination of Officers.

The following officers for 1901 were then nominated: For president, Robert Halliday, of Baltimore; for vice-president, Wm. Weber, of Oakland; for treasurer, Fred. Dorner, Jr.; for secretary, Albert M. Herr. There was a spirited competition between Indianapolis and Baltimore for meeting place in 1901, Wm. Weber making a neat plea in favor of the latter, which captivated the meeting.

The meeting adjourned at 10 p. m.

THE EXHIBITION.

In Class A, for 100 blooms white, there was only one entry, that of J. L. Dillon's Queen Louise, a pure colored, very fragrant variety, but a little weak in the stem. In the light pink class there were several entries, L. E. Marquisee winning with a superb lot of the Marquis. E. G. Hill & Co. were second with Ethel Crocker. The Chicago Carnation Co. were first for 100 crimson with Maceo, and first for 100 white variegated with Bradt, E. G. Hill & Co. coming second with J. Whitcomb Riley. In red a second only was awarded to the Chicago Carnation Co., for Jubilee.

Class B—For 50 blooms light pink, there were two entries, but no awards made owing to short count, otherwise Genevieve Lord from H. Weber & Son was a certain winner. H. Weber & Son were awarded first for 50 yellow variegated, Mayor Pingree. R. Craig & Son showed America, in scarlet, but award was withheld for short count. In crimson the same exhibitors were awarded first and second, with Maceo and Gomez.

Class C—For 25 blooms in the eight classes provided, only one exhibit appeared, that of E. G. Hill & Co., which secured first in the dark pink class with Leslie Paul.

The Lawson Gold Medal was won by Dailledouze Bros. with No. 666, other fine vases in competition being Genevieve Lord, The Marquis and Mary Hill, the fine new pink of E. G. Hill & Co.

The American Carnation Society's Cup was not awarded.

The Chicago Carnation Co.'s Cup was awarded to Dailledouze Bros., for their No. 3, a beautiful variety, exquisitely fragrant, and with a perfectly erect stem.

The Lawson Silver Medal went to R. Witterstnetter, for Adonis. (See illustration of Adonis in this issue, page 156).

C. W. Ward, of Cottage Gardens, was finely represented with large vases of Maceo, Gomez, Bradt, White Cloud, Morning Glory, a pretty light pink; Governor Roosevelt, the new dark crimson; Mrs. Dean and many seedlings.

W. J. Palmer, of Buffalo, made a fine exhibit of standard varieties, especially fine being Daybreak and a pink sport of of the same, Flora Hill and Bradt.

F. Dorner & Son, of Lafayette, were represented by a large vase of Morning Glory and a fine lot of seedlings.

The Chicago Carnation Co. showed a nice lot of seedlings, some of which will doubtless be prominent later.

F. Burki showed White Cloud, Hector and others.

J. H. Dunlop, of Toronto, seedlings; T. J. Totten, of Saratoga Springs, showed his Young America in good form, and Wietor Bros., of Chicago, had a large vase of a pink sport from Armazindy.

Philip Heilig, of Franklin, Pa., ably demonstrated with his exhibit what the carnation was at one time. C. Merkel, of Mentor, Ohio, showed light and dark pink and red seedlings, and J. A. Macrae, Providence, a sport from Eldorado.

J. N. May and E. G. Hill both staged very fine vases of Olympia. H. Weber & Sons had several fine vases of seedlings, and Crabb & Hunter, of Grand Rapids, a good vase of Irene.

(*Continued on page 162.*)

GENEVIEVE LORD

The Peerless New Light Pink Carnation.

THE demand has been such that we are compelled to announce that stock for delivery prior to March 20 is all sold. Experts agree that it is the best selling pink yet produced. The color is just right, the ladies say, and they surely know. We know, too, that its stems are the grandest of any carnation, quite a factor, too, and more particularly so since it also possesses a size which entitles it to a place in the front row, an odor so sweet as to cause immediate notice, a growth and freedom of bloom which delights the grower; an individuality incomparably its own. This is a striking feature in any carnation, and Genevieve Lord possesses it to a greater extent than any other carnation; this is why it sells so readily and makes the demand for blooms far greater than the supply.

ST. LOUIS, MO., January 24, 1900.

H. WEBER & SONS, Oakland, Md.

Dear Sirs:—In regard to what I think of Genevieve Lord, and what I heard spoken about it at the meeting, is this: Color just right and what is wanted and will sell. Shape and size as good, if not better, than any carnation ever sent out; very sweet; stems the best ever seen on any carnation ever sent out. In keeping and shipping qualities it beats any carnation that I have ever seen; as I mentioned last time in my letter to you, they looked as fresh as if they had just been cut. Yours very truly,

[Signed] E. SCHRAY, Secretary St. Louis Florists' Club.

CINCINNATI, OHIO, January 16, 1900.

MESSRS. H. WEBER & SONS, Oakland, Md.

Gentlemen:—I want to congratulate you on being the introducers of Genevieve Lord, your new pink carnation. Although I have not seen it growing, I have seen it exhibited at nearly all seasons of the year, and, taking all its good qualities into consideration, I believe it to be the best pink of its class in the market to-day. It is strictly a commercial flower, and will produce the dollars and cents. I predict you a phenomenal sale for this carnation. Yours very truly,

[Signed] E. G. GILLETT.

WASHINGTON, D. C., January 12, 1900.

MESSRS. H. WEBER & SONS, Oakland, Md.

Dear Sirs:—We have handled your new carnation, Genevieve Lord, for the past year, and beg to state that it is one of the finest carnations we have ever handled. It has become very popular here in Washington, its beautiful color making it a ready seller. Together with color its most distinct points are its extra long stems and perfect, erect habit. It has a marked individuality, enabling customers to recognize it at a glance. It is one of the few new carnations that have so many good points, and we feel satisfied that it has a great future before it. It is some little trouble to educate the people up to paying $3 and $4 per dozen for carnations, but if any carnation will bring the price, it is Genevieve Lord.

Yours very truly,

[Signed] J. H. SMALL & SONS.

If you want this record-breaker in your list next winter, order at once. If you delay it may be too late.

Price, $2.00 per doz.; $10.00 per 100; $75.00 per 1000.

We can also furnish at introducers' prices all of the "big new ones." Also best new and standard Chrysanthemums.

Our Catalogue is now ready and will be sent to all who ask for it.

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

Rooted Cuttings of New and Standard

CARNATIONS.

SEND FOR PRICE LIST.

WM. SWAYNE, Kennett Square, Penn.

Mention the Florists' Exchange when writing.

Rooted Cuttings of Carnations

NOW READY

Jubilee, White Cloud, New York, and all standard varieties. Write for prices.

VIOLETS Orders booked now for rooted cuttings. If you want the best stock obtainable give us your order now for April delivery and you will get the best.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

CARNATIONS

Rooted cuttings now ready of the following kinds: FLORA HILL, $1.25 per 100. WHITE CLOUD, $2.50 per 100. JOHN YOUNG, $2.00 per 100. TRIUMPH, $2.00 per 100. DAYBREAK, $1.25 per 100. JUBILEE, $2.00 per 100. ELDORADO, $2.00 per 100. EVELINA, WM. SCOTT, LIZZIE McGOWAN, and NIVEA, each, $1.00 per 100.

S. LITTLEFIELD, North Abington, Mass.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS

Now ready of all the leading varieties.
All stock guaranteed A1.
If not satisfactory, money refunded.

CHICAGO CARNATION CO.,

Greenhouses and Address, JOLIET, ILLS.

Mention the Florists' Exchange when writing.

ROOTED CARNATIONS CUTTINGS

WHITE CLOUD and FRANCES JOOST, $2.25 per 100; $20.00 per 1000.

DAYBREAK, SCOTT, Fine Healthy Stock, $1.25 per 100; $10.00 per 1000.

H. WESTON & BRO., Hempstead, L. I., N.Y.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS OF CARNATIONS.

Both new and old varieties at lowest prices for good stock. Special rates on orders booked for future delivery. Satisfaction or money refunded. Send for price list.

GEO. A. RACKHAM, 880 Van Dyke Avenue, DETROIT, MICH.

Mention the Florists' Exchange when writing.

NEW CROP **WINTER-BLOOMING**

Carnation Seeds!

Hand Fertilized, 25c. per 100. Cash with order.

AMERICAN ROSE CO., Washington, D.C.

Mention the Florists' Exchange when writing.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000		Per 100	Per 1000
Mrs. Lawson	$14 00	$120 00	Flora Hill	$1 25	$10 00
G. H. Crane	5 00		Daybreak	1 25	10 00
America	5 00	40 00	Argyle	1 25	10 00
White Cloud	2 50	20 00	Armazindy	1 25	10 00
Frances Joost	2 50	20 00	Lizzie McGowan	1 00	7 50
Triumph	2 50	20 00	Evelena	1 00	7 50
Evanston	2 50	20 00	Mayor Pingree	1 00	7 50
Jubilee	2 00	15 00	Painted Lady	1 00	7 50
Gold Nugget	2 00	15 00	W. Scott	1 00	7 50
Mrs. McBurney	2 00	15 00	Tidal Wave	1 00	7 50
			Morella	1 00	7 50

ROSES.

	Per 100	Per 1000		Per 100	Per 1000
American Beauty	$3 00	$25 00	Meteor	$1 50	$12 50
La France	2 00	17 50	Bride	1 50	12 50
Perle	1 50	12 50	Bridesmaid	1 50	12 50

Stock to be first class and to be sold under the conditions that they shall be returned immediately if not satisfactory. Special Prices on large lots. Address

GEORGE REINBERG,

51 Wabash Avenue, CHICAGO, ILL.

Mention this paper.

BASSETT & WASHBURN,

76 and 78 Wabash Ave., CHICAGO, ILL.

ROOTED CUTTINGS, ROSES AND CARNATIONS.

Get new blood in your Roses and secure what you want from grafted stock. Our cuttings this year are made from grafted plants and none but the best wood will be used.

BRIDES, Per 100, $1.50. BRIDESMAIDS, Per 100, $1.50. METEORS, Per 100, $1.50

CARNATIONS.

	Per 100	Per 1000
WHITE		
Flora Hill	$1.50	$10.00
Mary Wood	2.50	20.00
White Cloud	2.50	20.00
PINK		
Triumph	$2.50	$20.00
Frances Joost	2.50	20.00
Daybreak	1.50	10.00
DEEP PINK		
Leslie Paul	$5.00	$45.00
Cerise Queen	2.50	20.00
Painted Lady	2.50	20.00
YELLOW. Gold Nugget	$2.50	$20.00

	Per 100	Per 1000
STRIPED WHITE and RED		
Mrs. Bradt	$5.00	$40.00
Psyche	1.50	10.00
Armazindy	1.50	10.00
RED		
Red Mrs. Bradt	$10.00	$75.00
Jubilee	2.00	15.00
America	5.00	45.00
G. H. Crane	5.00	45.00
MAROON. Empress	$2.50	$20.00

BASSETT & WASHBURN, 76 and 78 Wabash Ave., CHICAGO

Mention the Florists' Exchange when writing.

ETHEL CROCKER

IS ABSOLUTELY THE BEST PINK CARNATION ever offered the trade. This is none too emphatic, and there are many others who think as we do It will grow with you because it grows anywhere. This year it has been grown equally successful by Hill, Herr and ourselves. It will grow in any soil or location.

In COLOR, SIZE, FRAGRANCE, STEM and KEEPING QUALITIES it is just what the "storemen" want.

In HABIT, CONSTITUTION and FREEDOM OF BLOOM it is just what the grower wants; never out of crop from September until July.

We have 6000 plants, 3000 of which we are growing for cuttings alone.

WINNER OF CERTIFICATES at NEW YORK, PHILADELPHIA, BALTIMORE, CINCINNATI and CHICAGO.

Below are a few expressions of opinions from the knowing ones. After reading them there will be, we think, no doubt in your mind as to which is THE ONE to grow for pink next season.

ITS KEEPING QUALITIES.

The undersigned Committee, having examined the vases of the New Carnation, "ETHEL CROCKER," report as follows:

"There are two vases which contain seventy-five flowers. The water in the vases has not been changed for four days, nor have any flowers been renewed, and after being on exhibition the above length of time, we find fully ninety per cent. of the blooms salable; none of them show any disposition to go to sleep and only five or six are commencing to fade, and under these conditions we cheerfully recommend it as a wonderful keeper. (Signed) A. B CARTLEDGE, EDWIN LONSDALE, SAMUEL S. PENNOCK, DAVID RUST, Sec'y.

ROBERT CRAIG & SON, BALTIMORE, MD., Dec. 27, 1899.

Gentlemen: We had, however, the pleasure of seeing "Ethel Crocker" in all her glory. We wish you would book our order for 2000 rooted cuttings of this variety, and would be pleased to receive the stock out of the first batch sent off. We feel sure this variety will enjoy a large sale and predict for it a most brilliant future. For size, length of stem, color and fragrance it surpasses *anything* we have *seen growing.*

Yours very truly, HALLIDAY BROS.

ROBERT CRAIG & SON, PHILADELPHIA, Oct. 3, 1899.

Gentlemen: The new pink carnation "Ethel Crocker" which you have been sending us is most satisfactory. At this early date the flowers are up to the midwinter standard of the old favorites, in fact it is larger, the form is perfect, and the color, almost exactly that of the Bridesmaid rose, is ideal. The stem supports the flower admirably. We believe it will become very popular, as the few we have been receiving have been snapped up at once. We congratulate you on having such a good stock of this variety. Yours respectfully, JOS. KIFT & SON.

ROBERT CRAIG & SON, FRAMINGTON, MASS., Nov. 23, 1899.

Gentlemen: Kindly book my order for 500 rooted cuttings of "Ethel Crocker," as I think it one of the finest fancy carnations for commercial purposes.

Very truly yours, WM. NICHOLSON.

FLATBUSH, BROOKLYN, N. Y., Nov. 21, 1899.

MESSRS. ROBERT CRAIG & SONS, Philadelphia, Pa.

Gentlemen: After viewing your new carnation, "Ethel Crocker," we feel justified in ordering 2500. The color seems excellent and promises to be a free bloomer; the variety has apparently an exceptionally good constitution and stem, and the calyx is all that could be desired up to this date. The dozen plants we have growing are all that could be expected, having received them too late for comparison with other varieties, which we regret.

Yours very truly, DAILLEDOUZE BROS.

PHILADELPHIA, Oct. 18, 1899.

ROBERT CRAIG & SON,

Gentlemen: Your new carnation, "Ethel Crocker," is without doubt by far the finest pink carnation for Fall use that we have handled yet; in fact, the finest we have seen on the market anywhere. Very truly yours, PENNOCK BROS.

ROBERT CRAIG & SON, HAGERSTOWN, MD., Nov. 25, 1899.

Gentlemen: In my judgment "Ethel Crocker" is a star of the first magnitude, possessed of every good quality and sure to win admiration of every one.

Very truly yours, HENRY HOLZAPFEL, JR.

Extract from American Florist, Philadelphia Notes, Oct. 14, 1899.

I neglected, in my report of the Florists' Club meeting, to speak of a vase of "Ethel Crocker" carnation exhibited by Robert Craig & Son. It attracted a great deal of attention, and all the carnation experts present seemed to be of one mind in declaring it to be the finest pink they had ever seen. It was quite the equal of any of the present favorites in their best midwinter stage, which, when one considers the early date, Oct. 3, speaks volumes in its favor.

From Florists' Exchange, Philadelphia Notes, Oct. 7, 1899.

Robert Craig & Son exhibited a vase of the new California carnation, "Ethel Crocker," which created quite a sensation. The flowers are 2½ to 3 inches in diameter, stems stiff; in fact, the flowers are remarkable for so early in the season. The above firm has a house of this variety for flowering this season and it should certainly take well.

From American Florist, New York Notes, Oct. 14, 1899.

On the exhibition table Mr. Craig had a vase of the beautiful new pink carnation, "Ethel Crocker," which was highly commended by the exhibition committee and duly admired by all, the carnation giving every promise of being a winner.

From Florists' Exchange, New York Notes, Oct. 14, 1899.

The following exhibit was made by Robert Craig & Son, to whom a vote of thanks was tendered:

Vase of the new California carnation, "Ethel Crocker." The color of the flower showed up very prettily under artificial light, being a deep, salmon pink. The stems were of good length and held the blooms up well. The exhibition committee awarded the variety honorable mention, and expressed a desire to see it again later in the season.

Write to us about CROCKER, OLYMPIA, THE LAWSON, THE MARQUIS, GENEVIEVE LORD or any of the standard sorts you may want, of which we have a goodly number, including CRANE, AMERICA, MACEO, GOMEZ, MELBA, WHITE CLOUD, BRADT, ETC.

Mention this paper. **ROOTED CUTTINGS OF ALL VARIETIES READY FROM NOW ON.**

ROBERT CRAIG & SON, MARKET and 49th STREETS, Philadelphia, Pa.

20,000 Wm. Scott CARNATION CUTTINGS

Must be sold to make room, at $6.00 per 1000 or 4000 for $20.00 **Mrs. Joost,** $2.50 per 100, $20.00 per 1000. **Melba,** $3.00 per 100, $25.00 per 1000. **Fiora Hill, Victor, Daybreak,** $1.25 per 100, $10.00 per 1000. **Mayor Pingree,** $1.00 per 100, $7.00 per 1000.

DOUBLE PETUNIA Strong plants, in 3 in. pots, $3.00 per 100.

GERANIUMS Mixed, 3 inch pots, $3.00 per 100.

Cash with order.

CARL E. TAUBE, Trenton, N. J.

MERCER FLORAL CO.

Mention the Florists' Exchange when writing.

Carnation Cuttings

40,000 CLEAN, STRONG-ROOTED CUTTINGS

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We have them in both Quality and Quantity. 200,000 in Sand and Soil. To back us up in what we say send a list of your wants and let me price it. Wholesale List ready.

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A fact fully borne out by its record, being equally good with Craig, Hill, and myself. (An assurance that it is not a success in one soil and a failure in another.) By its having been shown at the Flower Shows and Clubs since early in September. (An assurance that it is not a good late carnation, but an all season variety.)

In color, size, fragrance and stem it is just what the "storemen" want.

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With 18,000 stock plants to work from there is no danger of it being over-propagated, and all orders intrusted to me will be filled with cuttings selected from the plants and the order filled by myself, thus doubly assuring good stock.

Honest sample blooms furnished, prepaid, at $1.00 per dozen. Amount deducted from all orders for 100 or over. Up to date, every sample excepting one out of several hundred sent, has brought an order.

PRICE—Per 100, $10.00; per 25, $2.50; per 1000, $75.00; per 250, $18.75.

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F. Hill, $1.75 per 100; $15.00 per 1000.
White Cloud, $2.50 per 100; $20 per 1000.
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Strong, 2 and 2½ in., $3 per 100; $27.50 per 1000.

Maranta Massangeana (will sell your fern dishes), $5.00 per 100; $40.00 per 1000.

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FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS:
Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00.
Payable in advance. The date on the address label indicates when subscription expires.

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The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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AMERICAN CARNATION SOCIETY

REPORT OF MEETING—Continued.

The Exhibition—Continued from page 159.

Mrs. T. W. Lawson was represented with a fine vase shown by Fisher, of Ellis, and E. Woodfull had Scarlet Cloud and other seedlings. Miller & Son, of Bracondale, showed Lady Van Horne and Lady Minto.

Craig & Son placed Melba, America, Ethel Crocker, Gomez, Maceo, Harry Dale, Crane and Cerise Queen.

Princess of Wales violets, shown by Chas. Cummings, of Woburn, Mass., were very fine, and the same variety was exhibited by W. Findlay, of Brampton, Ont. Violets Farquhar and Swanley White were shown by Eli Cross, of Grand Rapids.

Kift, of Philadelphia, had a sample of a flower holder, and G. M. Garland a section of Gutter, which attracted much attention.

The Cottage Gardens Cup was won by C. W. Ward with Governor Roosevelt.

A three years' certificate was awarded to C. W. Ward for Governor Roosevelt, which scored 93 points; also Dailledouze Bros. for No. 666, which scored 89 points. Full certificates were also granted to the following: Enquirer, deep pink, 88 points; Estelle, crimson, 86 points; Elinore, white, 89 points, all shown by R. Witterstaetter. To Mrs. Bertram Lippincott, 86 points, from J. Kuhn, Olney, Pa.

A preliminary certificate was given to Dailledouze Bros. for No. 100,87 points; also for White Delight, light pink, 88 points. To Peter Fisher for the Maine, white, 88 points, and to R. Witterstaetter for No. 550, 90 points.

In the Sweepstake Competition the first prize was captured by Dailledouze Bros. with Mrs. Bradt, the second by R. Witterstaetter with Enquirer; as also the third by same party with Maude Adams.

Second Day—Morning Session.

Friday, February 16.

The session opened with questions from the Box. For Summer blooming varieties outside, Mrs. Fisher and Portia were recommended, also New York. The matter of remedying cutting prices in plant and flowers was, under existing conditions, considered impracticable.

Sub-watering was then discussed by Messrs. Ward, Dorner, Weber, Rudd, Dale and Witterstaetter.

The matter of a union meeting with the American Rose Society was then considered, and the committee recommended a joint meeting and an exhibition to take place the third Thursday in March. The proposition was not favorably received and the committee was continued with the object of further conference with a committee from the Rose Society.

A lively discussion ensued as to the hour of closing the staging for exhibition, which was finally fixed at 1 o'clock. All entries must be made not later than the Saturday prior to the date of the annual meeting. For subsequent entries to the exhibition exhibitors must pay $1 each.

It was decided that E. H. Michel be asked to award his cup for largest display at Baltimore in 1901.

The Lawson Gold Medal will be competed for again next year, also the silver one, and one bronze medal will also be awarded for one dozen blooms, any seedling, not disseminated. The Sweepstake Competition feature will be dropped.

Mr. Dunlop extended an invitation to members to exhibit at the meeting of the Gardeners and Florists' Club of Toronto some time in March next.

Fifty dollars was appropriated for an assistant to the secretary at the annual meetings.

The officers put in nomination on Thursday were elected.

A lengthy discussion then ensued on setting up a standard for judging, and a committee was appointed to formulate one and to report next year.

The question as to what constitutes a disseminated variety is still under consideration.

The meeting then adjourned at 1:30 p. m.

QUESTION BOX. IMPORTANT!

Readers submitting questions on heating subjects are **requested to furnish diagrams drawn to scale**, this work to be carefully done, as the most important of these diagrams will, in future, be illustrated in this Department.

A CHANCE FOR THE YOUNG MAN.

With a view to encouraging the "art of writing" articles; in other words, the expression of their views on paper, among the young men employees in our florist establishments, the FLORISTS' EXCHANGE, with this issue, institutes a series of competitions, and as an initial step offers the undernoted prize for the best written paper on the following subject—

Care of a Hot Water Boiler.

The contestants are requested to give their ideas on the subjoined points:

What is the best way to care for a hot water boiler in order to get the most heat with the least fuel.

How to have the pipes cool through the day when there is plenty of sun heat, thus saving fuel at the same time and still have the fires in such condition that they may be rushed quickly should it be necessary to do so.

Give a résumé of how to manage such a boiler for 24 hours, beginning at 7 a. m.

Prize, $4 worth of books or magazines; or $3 in cash.

CONDITIONS.

(1) Each MS. submitted must be written by an employee, without assistance, and the authenticity of these facts attested by the employer.

(2) No employee now contributing, or who has at any time contributed to any florist trade journal, will be allowed to compete.

MSS. must not exceed one thousand words in length.

All MSS. submitted in this competition to become the property of the publishers of the FLORISTS' EXCHANGE.

The awarding of the prize will be based on the practical knowledge exhibited by the writer in the treatment of his subject.

Competition will close March 7 next. Write plainly on one side of the paper only.

Address all communications,
EMPLOYEES' COMPETITION, FLORISTS' EXCHANGE,
Box 1697, New York City.

Spring and Early Summer Flowering Phloxes.

The name phlox invariably suggests to the great majority of people, including many florists and gardeners, too, only one or two of the taller growing late Summer and all flowering species, and the varieties in their various shade and colors descending from these; their flowers are produced in more or less dense pyramidal panicles, and we find them cultivated in nearly every garden throughout the country. But it is not the purpose here to belittle their value, or to detract one iota from the justly earned reputation of the stately native P. decussata, paniculata or maculata, the successful improvement of which has occupied the time of English and French specialists for the last 25 years or more, so that we have now among them immensely broad and tall panicles, large and perfectly circular, broad petaled flowers and a great range in colors, where years ago the trusses were not over half this size, the petals narrow and the brighter shades almost missing entirely. But we want to say a few words in favor of the dwarfer early flowering species, which, although found cultivated here and there, are not generally known to the extent they deserve to be, and to which their high quality entitles them. Some of them are quite indispensable for Spring gardening; they are good in beds by themselves, interplanted with bulbs, or may be planted along the edge of shrubbery and in the rock garden; others may be better adapted for mixed borders or flower beds. Their free habit and profuse blooming qualities entitle them to a place in every garden. The florists should keep them because many of them are useful as cut flowers, even the dwarf subulatas and amœnas are frequently employed for this purpose.

Phlox amœna has small oblong or ovate leaves, lanceolate along the upper part of the stem, slightly pubescent; flowers most freely produced in compact, leafy bracted corymbs; their color varies from purplish red to a pleasing pink or nearly white; growth compact, stems numerous, branchy, semi-erect; blooms May and June, height, 8 to 13 inches; Virginia; when divided after flowering, a second crop of bloom can be expected; a capital pot plant for Spring sales.

P. carnea is a form of glaberrima suffruticosa described below. P. carolina, a taller, narrower leaved form of P. ovata. P. divaricata, syn. canadense, the blue phlox, leaves broadly lanceolate, slightly pubescent; flowers delicate bluish lilac, the blue predominating, very large, produced in loose corymbs, stems self-supporting, erect; 10 to 15 inches high; May and June; North America; a lovely and most desirable plant, unique in color, good for cutting. P. frondosa, a larger leaved and stronger growing variety of P. subulata. P. glaberrima, growth erect and slender, leaves linear lanceolate, glossy above; flowers reddish or pink in loose elongated panicles; June; height 12 to 15 inches; Southern States. P. g. suffruticosa, habit slender, erect, stem self-supporting, wiry; leaves linear lanceolate or in some varieties broadly lanceolate, shiny; flowers large, perfect in shape; color very variable, from pure pearly white to deep purplish rose and intermediate shades and combinations; panicles large and long, rather loose, graceful, branching; a successful rival to P. paniculata, even superior to it in many respects; an excellent cut flower and an ideal keeper; under liberal treatment the plants produce new flower stems constantly from May to November; height 15 to 24 inches.

The improvement of this dwarf and free flowering class of phloxes has not kept pace with the paniculata section, owing, perhaps, to their disinclination to produce seed as freely as the other species; varieties are not so numerous and the brightest colors are not as yet represented. The more delicate shades, however, have been developed to perfection; the trusses are of ample dimensions and the individual florets could hardly be improved either in size or shape.

P. Nelsoni, a form of subulata or setacea, very distinct, for it looks like a different species, being dwarfer and denser in growth, with bristly stiff leaves and blush white flowers marked with a faint small pinkish eye. The true variety is rarely seen. P. nivalis, a pure white variety of P. subulata. P. ovata, radical leaves broadly ovate, cauline ones narrower, rather fleshy; flowers freely produced, rich purplish rose, cymes crowded; June to July; height 12 to 15 inches. North America. P. paniculata (decussata) mostly hybridized with P. maculata, leaves oblong or oval lanceolate, cordate along thee rigidly stiff and stout stem; flowers very variable in color, panicles very broad and densely set with florets.

There are very numerous grand garden varieties and hybrids in this Summer and early Fall blooming group; it has received more attention than any other species of the family, and improvements are still going on. Some of the varieties flower in July, others as late as October; dwarfs have been produced only 12 to 15 inches high, while others grow to the height of 4 feet and over. Brilliant colors are not lacking, though the original native species, from which all these varieties have been developed, bear white or pale and dull purplish lilac flowers.

P. pilosa, leaves linear or lanceolate, taperiog to a point; flower stems semi-erect, flowers in loose corymbs, pink or rose, rarely white; May and June; height 12 to 15 inches; North America.

P. procumbens, leaves shiny, lanceolate, smooth, the edges somewhat ciliated; flowers rosy lilac, with darker eye, produced in terminal, few flowered cymes; a rather weak but pretty prostrate plant. Asa Gray says it is a natural hybrid, P. amœna × P. subulata; May to June; height 4 inches. P. reptans, leaves roundish oblong, downy, stems creeping; flowers purplish rose, bright and showy, cymes few flowered; May and June; height 4 inches; North America; a very pretty pot plant for Spring sales.

P. stellaria, the dense trailing growth is thickly covered with linear pointed leaves; stems are dark, flowers starry, white or pale lilac; the earliest bloomer of all; height 10 inches; United States.

P. subulata (setacea), ground or moss pink leaves linear or awl shaped, evergreen, growth densely matted, trailing; flowers in few flowered corymbs, freely produced from every point, pink, tinged light or dark purple; pure white or with pink center as to variety; May to June; height 4 to 6 inches; North America.

P. s. Vivid is a vastly superior variety, very distinct in many ways; growth is more tufted, very dense, not rambling, shorter, much branching and more erect; leaves are bristly pointed, almost spiny when full grown; flowers bright and clear pink with large brilliant eye, perfectly round, the lobes overlapping each other, produced in greater abundance and in larger cymes than in the ordinary varieties; flowering time a week or ten days later, continues in perfection for weeks, even in hot weather fully exposed to sun; this variety is far ahead of any of the subulatas, but also very rare.

All the phloxes succeed under ordinary treatment in any good garden soil. The taller, erect species prefer an open airy situation. The dwarf and creeping sections succeed also in more or less shaded positions; the blue P. divaricata is the only exception; it actually needs partial shade and also moderately moist ground to do well; uncongenial surroundings are liable to shorten its life.

In conclusion I may say that P. Nelsoni and Vivid are here mentioned as varieties of P. subulata; some years ago we classed them separately as P. setacea. Botanists have decided there is no difference, although our gardeners insist that there are distinct features in foliage and habit if not in the shape of the flower.

DOUGLASS HILL.

OBITUARY.

Hon. T. T. Lyon.

Hon. T. T. Lyon, formerly in charge of the Experiment Station at South Haven, Mich., died at his home February 6, at the ripe age of 87 years. He was born in western New York, removing to Michigan in 1828. In 1848 he turned his attention to experimental horticulture. When in his prime Mr. Lyon had no peer in that state as an authority on pomology. Early in the seventies he removed to South Haven, and bought 10 acres of land within the village limits, which had since been his home. Here is the only experimental station in the state, and is set ont to three or four species of each variety of fruit, from apples to strawberries. Mr. Lyon had been its superintendent since it was established—about 1890. In 1876 he became president of the State Horticultural Society. He was also second president of the South Haven Pomological Society, and was an early member of the American Pomological Society. He was the originator of the Michigan fruit catalogue, a schedule of fruits adapted to Michigan, which is the fruit growers' lexicon to-day, and is law at fairs in decisions of judges. The most complete horticultural history of the state came from his hand early in the eighties, and is a most valuable volume. He recently completed for the Government a card catalogue of American fruits.



The late John M. Hodgson.

See page 63. Jan. 27.

Frank Becker.

Frank Becker died at his home in Cambridge, Mass., Sunday, February 11, in the 70th year of his age. He had been in ill health for some time.

Deceased was born at Gonzenheim, in Hesse-Darmstadt, Germany. He came of agricultural stock and developed early a fondness for plants and flowers. At the age of 27 he came to America, his first position in this country being that of head gardener at Mt. Auburn Cemetery, Cambridge. A few years afterwards he established himself in business in that city and steadily built up a large trade, not only in the college community, but in Boston and its suburbs as well. He was one of the earliest florists in this neighborhood to import plants in quantities and the first to see merit in the now well-known Boston fern, the popularizing of which has been largely due to his efforts and those of his son.

Mr. Becker was a member of the S. A. F. O. H., being at one time state vice-president for Massachusetts, and for many years was a member of the Boston Gardeners and Florists' Club. Though he had retired from active business some years ago, handing over the management of same to his son Fred, the deceased gentleman continued to take a lively interest in all that concerns the craft. He was a man of practical common sense, unflagging perseverance and sterling integrity, with an ever-ready human sympathy that lay beneath a simple, unobtrusive demeanor.

LYNN, MASS.—Alfred F. Chatfield, who formerly conducted greenhouses in Albany, died here February 6, in the eighty-fourth year of his age. He was for many years an officer of the New York State Agricultural Society, and an active promoter and patron of the annual state fairs.

F. F. Merceron.

At Catawissa, Pa., on Thursday, February 15, Mr. F. F. Merceron, originator of the Sharpless and Gladstone strawberry.

Baltimore.

Club Meeting.

The Gardeners' Club, at its meeting on the 12th inst., had, as usual, an interesting time.

The landscape architect of the Park Commission had advertised in the daily papers for bids on supplying about 200,000 bedding plants for the various squares, etc., each bid to be made for 25,000. Some of the city florists contended that this proviso precludes the possibility of them putting in a bid, as none of them grow that quantity of any one variety, and that the fairer plan would be to let, by contract, the planting of each square according to specifications supplied by the landscape architect. They claimed that the city florists, with limited area of glass and unlimited area of city taxes, deserve an equal competitive chance with the country grower, with much larger space and very much lower rental and taxes; the matter was not definitely settled.

The carnation show will be held on February 26, and the annual banquet on the second Monday evening in March, when the election of officers also takes place.

Not many of this club's members belong to the Carnation Society; a movement was on foot to increase the number and to instruct Mr. Weber, of Oakland, Md., to try and induce the society to hold its next annual meeting in Baltimore, but the time was so limited and there was so much on hand that the subject could not be accorded the attention it merits.

Trade Notes.

Business is fair all around, and the supply generally about equal to the demand. The correct thing for a valentine this year was flowers, in one shape or another, and a brisk business was the result. Halliday Bros. made an excellent exhibit of carnations at their two stores on the 14th, the variety "Mat. Richmond" being in fine shape and quite conspicuous.

Julius Tischenger, of the Chestnut Hill Greenhouses, Waverly, was stricken with paralysis a few days ago while working in his greenhouses, one side being affected. He is somewhat improved at this writing. SAM BUCUS.

Montreal.

Trade Notes.

A few very bright and mild days following after a dull spell, and again followed by very wet and unseasonable weather, is developing a fine crop of mildew among the roses, which are just now in very short supply and in moderate demand. In other lines trade is unusually quiet for the time of year, with abundance of stock to fill all requirements. Dutch hyacinths and tulips are now seen in goodly quantities, but are in little demand. Daffodils of various varieties are still reported to be holding the lead in bulbous stock.

Notes.

The Bermuda grown Harrisii are particularly free from disease this year; but the Japanese longiflorums are seriously affected with what is apparently the same trouble as has affected the Bermuda grown bulbs in former years.

Club Notes.

The hand of affliction is resting very heavily on the club lately; at almost every recent meeting it has been our sad duty to extend our sympathy to some bereaved member. This time, the estimable and respected daughter of Mr. Perrin, one of our charter members, has been taken away after a lengthy period of suffering. Miss Perrin was for a considerable time engaged in Bennett's florist store. B.

The A. T. De La Mare Printing & Publishing Co., Ltd., have just issued a revised list of the books on the cultivation of flowers, fruits and vegetables and kindred subjects, which they have for sale.

SYRACUSE, N. Y.—Standing in the center of a bed of the pink seedling, which is intended to succeed the Marquis in distribution, is one solitary plant of a white Marquis, identical with that grand carnation, excepting in color, which is snow white. L. E. Marquisee has another prize-taker to launch upon the market, sometime hence 'tis true, but the advent of such a beauty is worthy of early notice. The magnificent exhibition of the Marquis made at Buffalo will have been fully noted elsewhere in the EXCHANGE.

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Insertion will be given in this column to all communications free from animus, but the opinions expressed do not necessarily reflect our own.

Camphorated Earth.

Editor Florists' Exchange.

Some time ago there appeared in your paper an article regarding camphorated earth, and we sent to our Yokohama house to find out the truth about it. We have received a letter, under date of January 10, as follows: "We have no such thing, nor does anyone know what it is. What we use for growing chrysanthemums to perfection in Japan is prepared earth with well decomposed human manure, a preparation which must be at least two or three years old."

New York. SUZUKI & IIDA.

Cut Flower Prices.

Editor Florists' Exchange.

We note the correspondence going on in the FLORISTS' EXCHANGE relative to the cut flower prices obtained in the New York market the first week in January of this year, and the statement of Mr. Thorne (page 82, issue of January 27) that he got figures higher than those quoted by your representative in your issue of January 6.

For your information we would state that on January 4 the prices received by us, as shown both by our slips and growers' returns, were, for fancy Bridesmaid and Bride roses 20c. to 25c., and so on down.

Had these prices been quoted in your paper, what would Mr. Thorne and those other growers have thought, who, at that time, were not fortunate enough to have the finest stock? They can see, therefore, that your correspondent could hardly, in fairness, have quoted any but the average market price.

ALEX GUTTMANN,
Of Blauvelt & Guttmann, New York.

Editor Florists' Exchange.

Your cut flower price controversy certainly should interest every grower of cut flowers. I, like Mr. Thorne, insist that a trade paper ceases to be such when its functions are such that it uses its own discretion to quote prices that their correspondent thinks would not be agreeable to the commission man who is, of course, an advertiser in his paper; the grower is equally an advertiser, but his interests seem to have been entirely ignored, not only in this instance, but in many other, while they should have as much weight as the commission man's. Prices should be quoted as they exist from day to day, or not at all. I know this is not done, and know whereof I speak on this subject, and have on more than one occasion called the attention of the correspondents for the different trade papers here to this matter, and received the same excuse that your correspondent in the last issue of your paper offers, which any fair-minded man must admit is radically wrong and a great injustice to the grower. There are other people who have their troubles as well as the commission man. As I understand it, prices quoted are intended as a guide for the storekeeper as well as the grower. We have been compelled on more than one occasion to reduce our prices on the foundation of prices quoted in the trade papers for the previous week, when those quotations were fully 25 per cent. less than we had for the time stated, and I have seen them quoted as low as 50 per cent. This ought certainly to have made your commission man happy!

What is the consequence of such quotations? It naturally brings down all grades. For instance, if we have enough extras to meet the demand of our customers every day, and are compelled to drop our prices on these to the price of inferior grades, does it not compel us to reduce the next grade, and every other grower who is not fortunate enough to grow any extras? And so it continues all along the line until the price of cut flowers has got down to the starvation line, and it is a question whether the trade papers have not, in order to satisfy one of their sources of income, the commission man been instrumental in helping to get them there? I say, quote prices and quote them honestly or not at all, no matter who is hurt. When we look around and see all lines of merchandise advancing, and all lines apparently prosperous but our own, and with an allowance of 25 to 300 per cent. in all the purchases, the grower is compelled to make and then turn to his income and find his product selling at lower prices than previous years, the problem faces him—Where is the trouble, what is the cause of it? Let the trade papers help the grower as well as the commission man. There should be no secret prices, as your correspondent advocates. Storekeepers don't pay prices out of sentiment, and his method helps them to lower prices all the time.

FRANK P. MYERS.

Philadelphia.

Our Carnations as Others See Them.

Editor Florists' Exchange.

The following from the London letter that appeared in the pages of your contemporary, American Gardening, for February 3, and from no less an authority than Mr. Richard Dean, one of the "Victorian Medalists of Horticulture," would imply that at best our carnations lack fullness, and that this shortcoming is directly attributable to methods of culture: Mr. Dean says:

"One of your American carnations was seen at the last meeting of the Royal Horticultural, a variety named Olympia, and sent by Mr. John May, Summit, N. J. The flowers are white, with longitudinal bars of bright rose along the petals; the habit of growth good, and the calyx perfect. Olympia reminded me of an English variety named Alice Eyres. As compared with our newer English carnations the flowers were thin in petals, but what there were of them were stout and well formed. It was stated that the plants exhibited had been grown planted out in only 4 inches of soil, and this would account for the small number of petals in the flower. It was this last fact which prevented the committee from recognizing the variety in the form of award."

It is something entirely new to me to learn that the number of petals in a flower increases in a more or less direct ratio with the depth of soil in which the plant is grown, but here we have it stated as plainly as ever a statement was made, "that the 4 inches of soil" accounted for the small number of petals.

The day after reading the above critique on Olympia I called to see it at Summit, and what a picture it presented, buds in thousands, countless flowers in several stages of development; and just ready for shipment an average day's cut of 500 superb blooms. Lacking petals, forsooth! Perhaps it does from the standpoint that Mr. Dean judges a carnation, shown flat on a green board with a paper collar encircling it. And have I not seen florists of his school with tweezers in hand laying out the petals, round and flat, and not hesitating to extract a few, if by so doing they secured the desired conformation of outline and build!

I say again, as I have said before in English publications, that the greatest pitch of perfection in Winter flowering carnations has been obtained here. Our friends over the water have been surpassed, but they do not know it, and any one of our large carnation establishments is turning out more fine flowers daily than you could buy in the whole city of London on any day, from November to May. Their Malmaisons and Summer flowering kinds are peerless, but climatic conditions are against the carnation as a Winter flower in Europe.

It should, of course, be conceded that Olympia could only be shown at a disadvantage in London, but Mr. Dean notwithstanding, growers here will continue to do as they have so well done in the past in 4 inches of soil.

Madison, N. J. A. HERRINGTON.

More Light on Carnation Growing.

Editor Florists' Exchange.

In your last issue you have a very interesting article upon carnations as grown by various men. Allow me to compliment you for the way you are endeavoring to bring out matters of this sort for the benefit of your readers, but there is one point in which many of the articles seem to me to be wanting, and that is the little something which make all the difference in the world, the pivot upon which success or failure turns—the great thing lacking in the article is: What nature of soil was used in their growing? One or two of the growers gave the nature of soil, but as others did not, we cannot draw a proper conclusion as to the best soil for each variety. Might I be bold enough to ask that this be given to your readers. Again, the kind of house or houses in which the plants are grown, large, small, short span to the south or north, equal span, or whatever might make the difference. Also the day and night temperature, if grown on benches or solid beds, houses facing north, south, east or west, depth of soil, and how fed. To some this may seem a small matter, a trifle, but "trifles make perfection, and perfection is no trifle."

Besides this, I am satisfied that the grower who puts out a new variety makes a big blunder when he does not inform those who buy from him as to the nature of the soil in which such has been grown, for more of the failures may be traced to this cause than to anything else. Some people I have come in contact with seem to think that thus keeping back of the crucial point is smartness on their part, a preserving of their bread and butter, as they say; to me it is a most contemptible thing to lead one on to the difficult brink and then leave him in the dark. Remember, sir, I do not say that the gentlemen who have given their experience in the articles under consideration have done anything of the kind, but how much better would it be if we could have all the facts, and I am sure a great many of your readers would welcome such information from the master growers of carnations.

S. S. BAIN, Montreal.

Prefection Reached?

Editor Florists' Exchange.

A scale of points is but a means to an end, and cannot, or should not, be construed into an inflexible finite rule applicable with mathematical precision; therefore, I see no reason why any body of competent judges should hesitate to award 100 points if the subject is truthfully scaled to that limit, and the fact of such award being made does not "stagnate all carnation improvement," as it is only a truthfully expressed judgement upon a definite object of fixed characteristics, judged in the light of such characteristics as exemplified by other flowers of its kind. Of course, in originally drafting a scale for judgment we have to imagine a certain non-existent ideal, but can we imagine a finite ideal? In other words, given a carnation without apparent fault, are we to forego expressing the courage of our convictions because our imaginary ideal has no limitations in size? Shall the full number of points for size be withheld because a year, two years, or a decade hence, something very much larger may appear?

I see no need for withholding the limit in points, when it can be truthfully accorded, on the assumption that we close the scale or debar future improvement. If the opposite is true, what guide for judgment shall we seek?

Carnations that were certificated a few years back were adjudged to a rightful position then; but if we rejudge them to-day by existing standards of merit they fall hopelessly in the rear. The scale was then devised in view of certain constitutional defects it was sought to remedy, and if the new aspirant for honors meets the scale, why refuse to accord it full recognition of its merits? If otherwise, to follow out to a logical conclusion the position taken in the article on page 134, you must set up a final standard of impossible attainment and scale the subject as near thereto as the merits will justify. All this, of course, assumes competent judgment, as no permanent stability can exist in awards made upon lack of sufficient knowledge.

A. HERRINGTON.

Editor Florists' Exchange.

Your article under the above heading is interesting and important, for if the Chicago judges were right in awarding 100 points, denoting perfection, to a carnation, then what is to hinder other judges from awarding the perfection mark to the chrysanthemum or rose? But Mr. Rudd says that because 100 points was awarded it does not necessarily mean that perfection has been reached. I presume by that he considers some degree of allowance must be made for the judges being men and not gods. The old adage, that beauty is in the eye of the beholder, may apply to judges also.

I cannot conceive of any flower being perfect, nor that perfection can ever be reached in one variety. I can conceive of one variety possessing the ideal "form," another possessing the ideal "texture," another "stem," and another "perfume." Color must always be a matter of taste with the individual, and by selecting a number of varieties possessing each the most perfect, "one characteristic," make them the standard to judge others by, until others arise that are more perfect in some one of the various characteristics. I am of the opinion that we should hear of no more seedlings obtaining the high-water mark of perfection.

It may seem a long road to the star of perfection that one hopes to hitch his chariot to, but it is better to take time to get there than to hitch on to a meteor and call it a star. Mr. Rudd evidently thinks that if the star can't be reached, why the meteor will do.

W. G. G.

What Constitutes a Species.

Editor Florists' Exchange.

With your permission, Mr. Editor, I should like once more to intrude on your valuable space with reference to "what constitutes a species." In your issue of January 27, G. W. O. has so completely ignored the subject as to make the heading a farce. If he will read my letter again, on page 38, he will see that I did not try to name a plant by the aid of "Dr. Gray's First Lessons." The plant in question being a new one, such a procedure would have been useless. I merely tried to discover whether the plant was a true species or only a variety. Had it been the former, the discoverer would have the honor of naming and recording it, and if the latter, the variations of some species are so numerous as to be scarcely worthy of more than passing notice.

G. W. O. seems to be laboring under the delusion that species are clearly defined; when such is not the case. Had the classification of the vegetable kingdom been the work of one man we should know how much value to place on certain characters of a plant, and we could study his method and accept his decision. As it is, we have to read the opinions of various botanists, and form our own where these gentlemen do not agree. The result is all this confusion in the nomenclature.

At Kew Gardens not only is the name of the plant put on the label, but also the authority for the name. Among practical men a plant that will reproduce itself from seed, true to its kind, is considered a species; yet it is well known that varieties will become fixed. There is often more difference between a species and one of its supposed varieties than between two having distinct specific names.

It is easy to swallow a botanical work, but deriving a knowledge from it which you can apply is quite a different thing.

I shall be very pleased to submit the aster in question, also a vernonia, to the analytical judgment of G. W. O. if he would care to have them, on the condition that his opinion, as to whether they are true species or not, is published in the FLORISTS' EXCHANGE. E. H.

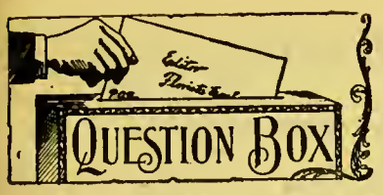
Canna Italia.

Editor Florists' Exchange.

In your issue of December 30, 1899, at page 1297, there is a note under the heading "Canna Italia," with regard to which allow us to make a few remarks:

The writer of the article says that Canna Italia is simply a cross between Mme. Crozy and your native species, Canna flaccida. From the word "simply" one would infer that it was a very easy thing to obtain the new race. This is far from being the case. We would tell your correspondent that it is quite useless to continue making any further attempts in that direction, as crossing Italia or any other of our orchid-flowered cannas, with any of the ordinary kinds, is quite a vain attempt, all the orchid flowered cannas being absolutely sterile. As the originators of this famous race we ought to know something about it, and we gave up all attempts in that direction several years ago.

DAMMANN & Co., Italy.



(27) **Cucumbers for Pickling.**—I wish to grow cucumbers from 1½ to 2 inches in length for pickling. Please state the best method of growing and the best variety.—SCOTT, Tenn.

—I presume the information required in regard to growing cucumbers for pickling refers to outside culture, as it would not be profitable to grow cucumbers under glass for that purpose. Several years ago, while in North Carolina, I had to grow a large quantity of cucumbers for this purpose. I found the Small Gherkin admirably adapted for that climate, and wonderfully prolific. These can be planted in hills 5 feet apart each way, any time in May, and by keeping the fruit picked off they are perpetual croppers. When full grown they are not over 2 inches in length, and oval shape. Small Gherkin would be my first choice for that climate. They should be planted in a medium soil; a very heavy soil would not suit them. In making the hills two or three shovelfuls of thoroughly rotted manure should be worked into the hills. I have also found helpful a good handful of cotton seed guano applied to each hill after the plants are up, say just as they are beginning to run. This is best applied when there is indication of a good shower of rain. Gherkins are longer in coming into crop than other varieties, but after they once come they are certainly profitable for pickling purposes. Next to the Gherkin I would recommend Everbearing. This variety also crops a long time, and may be planted in June, or even July; otherwise the treatment is the same as already recommended. Fordhook Pickling, Early Short Green and Nichol's Medium Green are all adapted for that work; the last named is an excellent cucumber for either pickle or table use.—WM. TURNER.

(28) **Stirring Carnation Soil.**—Stirring the surface soil of a carnation bed is not advisable now, as there are many roots right at the surface that would be disturbed or broken in the operation. Keep the weeds pulled out and rub the surface over with the ends of the fingers; that will keep the bed looking clean and fresh.

(29) **Plants for Name.**—The two specimens submitted are lifeless, and if the others are in the same condition no treatment given them will ever do them any good. Both of them are orchids—the larger one is a variety of lycaste, and the other a variety of dendrobium. As they cannot be grown well in a mixed collection of plants, and as they have probably been resting so long that they are past starting again, the best plan would be to discard them altogether, as under unskilled management they cannot be cultivated successfully.

(30) **Building and Heating Greenhouses.**—I want to build a three-quarter span greenhouse, 75 feet long and 20 feet wide, facing south; and I wish it high enough in front to have equal-span greenhouse, butting up against it, so the front must open into the span roof. House running north and south. What I want to know is the specification of the lumber (mine is spruce), the length of the rafters and thickness, size of plate, height of post at back and front, size of ventilators and where to put them—on the short span or on the top of the long span; size of inside rafters for stages and width of shelves for pot plants; also quantity of 4 or 3-inch pipe, or 2-inch, for heating same. What is the meaning of hot water under pressure? I intend making the walls of rough board covered with tar paper and clap board. I want a temperature of 60 degrees at night. Our glass goes down to 20 degrees below zero perhaps ten times during the Winter. I burn soft coal.—L. McL.

—It is rather difficult to tell from the above just what the arrangement of the house is to be, or what the height of the front of the house must be in order to allow the span roof house to open into it. I am also at a loss to know what is meant by "size of inside rafters for the stages," but I presume that by "width of shelves for pot plants," information as to the width of beds or benches is desired. The height and construction of the house would vary with the kind of crops to be grown, but it will be desirable to have glass in the south wall, at any rate, and for many purposes it would be desirable in the north wall. This glass could vary from 2½ to 4 feet in height. The south wall will then range from 5 to 6 feet in height, while the north wall should be 2 feet higher. The sash bars for the north and south sides should be respectively 8 and 16 feet, and should be about 1¼x2½ inches, varying slightly according to the size of the glass used. The plate should be 1¾x7 or 8 inches wide, and if only a single row of ventilators is used at the ridge, they should be 3 feet wide, and continuous along the south side of the ridge. They may be hinged either to the ridge or to the purlin, the latter generally giving the best results, unless the house is in an exposed situation, where there might be trouble from cold north winds. The width and height of the beds or benches will vary with the kind of crop to be grown, but for most purposes it will be desirable in a house of this kind to have walks along the walls about 2 feet wide, and another in the center with a width of 30 inches, although slightly less would answer. There would then be space for two beds or benches slightly over 6 feet wide which would answer for all crops except roses, for which a narrower bench is desirable, although well drained beds 6 or 7 feet wide give good results. A house of this kind can be heated with twelve 2-inch pipes in the coils as returns. These may all be on the side walls, or two or three may be placed under each of the benches to provide bottom heat. If the coils are distributed under the benches a 2½-inch flow pipe may be placed upon each of the plates to supply the wall coils. Two 2-inch flow pipes can be carried upon the ridge and purlin posts to supply the coils beneath the benches.

A hot water system is said to be "under pressure" when it is closed so that there would be no opportunity for the water to escape except through the safety valve. In a closed system the water can be heated considerably above 212 degrees, without forming steam. This both helps the circulation and decreases the expense of the heating apparatus, by lessening the size and the amount of pipe required.—L. R. T.

(31) **Heating Greenhouses.**—I am going to put a very small boiler in a new house that I am building. This house is for propagating, span roof, very small, 10x20 feet, 8 feet to ridge. What size pipe would be best to use, and how much? I have an old house, a very poor one, that will be near the boiler, and which I would like to heat just enough to keep out frost. The temperature never goes very low—about 12 degrees of frost is about all we get; never more than 15 degrees.—ABRAM CLEMO, Grass Valley, Cal.

—For small houses 1½-inch pipe will answer very well, and all of the heat desired can probably be secured if two pipes of this size are placed under each of the side benches, one of which is arranged to act as a flow pipe and the other as a return. It will probably be best to start the pipes at the boiler and carry them on the side walls of the old house into the new house. At the farther end of the new house the flows can be connected to the returns by means of elbows and nipples. Good results can be secured when the flow pipe is given either a slight rise or a fall, but the return pipes should slope toward the boiler. At some point in the system a small expansion tank should be connected with either the flow or the return pipe, and air valves should be inserted at the highest points in the system to permit of the escape of the air. —L. R. T.

We are about to build a house for carnations; three-quarter span, 100x20 feet, 13 feet to ridge, 4½ feet sides, with 2 feet of it glass; and want to heat it with hot water, using 3-inch boiler flues for heating pipes, flows and returns. Would three 3-inch flues for flows and six 3-inch flues for return be enough to maintain 50 degrees when the thermometer runs 20 degrees below zero? The bench under which the three flow pipes will be placed is to be 5 to 5½ feet high. Would this give too much heat under the benches?—R. W. W., Conn.

—The plan for arranging the houses as shown in the sketch should give good results, but, as in all cases where shallow beds are used, care should be taken that they are so watered as to prevent the drying out of the soil at the bottom of the beds. While good results can be secured with all of the pipes under the benches, the heat would be rather more equally distributed with one or two of the pipes under each of the raised walks. If the benches are already built it may not be worth while to change them, but even in a three-quarter span house it is a good plan to have a walk next to the south wall and then some of the pipes may be supported upon the wall posts. —L. R. TAFT.

My violet house is 2 inches lower at the further end from boiler. It is 70 feet long, 9 feet 6 inches wide, even span; 6-feet sash, ends glass, sides (of plank) 9 inches high. I have three 1¼-inch pipes on each side which are only 10 or 12 inches above boiler. All the pipes in other houses are much higher (say 10 or 12 inches) than those in violet house. In zero weather this house runs down to 33 degrees. The top of solid bed is 10 inches from glass, causing the return pipe on each side to go between bed and wall. Now, would two 2-inch pipes on each side give the required results, or would it need two 3-inch pipes on each side? Door at each end; feed pipe from main (main is 4 inches) to violet house is 1¼ inches, with three elbows or bends; length about 10 feet.—McG.

—It is always difficult to secure a good circulation where the pipes in one house are nearly as low as the bottom of the boiler, while those in other houses are considerably elevated, and, even where there is, as in the present instance, a difference of but 10 or 12 inches, the circulation is not likely to be uniform. A violet house 70 feet long and 9½ feet wide will require about 210 feet of radiating surface, when there is a good circulation, and this would hardly be furnished by two 2-inch pipes from each side, but it will be better to use an additional 2-inch pipe than to put in two 3-inch pipes on each side of the house, which would furnish more radiation than is required. It is not stated how many feed pipes connect the coils with a 4-inch main, but if there is only one upon each side of the house the circulation would probably be quite sluggish. In rebuilding a system it will be desirable to put in 2-inch flows and returns upon both sides of the house. The six 1¼-inch pipes at present in the houses do not provide more than about three-fourths the radiation needed. When the 2-inch pipes are put in they should be carried at as high a point as possible upon the walls, and whenever it is possible, which does not seem to be the case in the present instance, the placing of the flow pipes overhead will greatly improve the circulation when the returns are but little above the level of the boiler.—L. R. T.

Can 2-inch pipes be used for both flows and returns with satisfactory results. Have 2-inch pipes on hand; how many runs of same would be required for following houses: No. 1, 20x114, ridge 10 feet, north side 6 feet, south side 4 feet. No. 2, 24x104, ridge 10 feet, north side 6 feet, south side 2 feet. No. 3, 10x 104, ridge 6 feet, north side 4 feet, south side 4 feet. Sides all double boarded, paper between; temperature required 50 degrees; outside temperature sometimes 20 degrees below zero. Will 15-horse power boiler be sufficient?—J. S., Central, Mo.

—Very good results can be secured when both return and flows are of 2-inch pipe, but no more than two returns should be supplied from one flow in a house 100 feet long. If there is no glass in the side walls of the houses twelve lines of 2-inch pipe will answer in a house 20 feet wide; fourteen for a house 24 feet wide, and six for one 10 feet in width. A boiler that will furnish 15-horse power should be sufficient to heat the three houses, but for economy in fuel and labor there should be about 12 square feet of surface in the grate.—L. R. T.

(32) **Carnations Bursting Calyx.**—Please tell me why my carnations split so of late, especially Scott and McGowan. I try to keep the temperature about 50 degrees at night; one or two nights it has gone as low as 44 degrees. Also my Daybreak are getting bad with rust; temperature same as for Scott and McGowan. Soil is one-quarter good manure and three-quarters good soil.—W. H.

—Too low a temperature will cause the carnations to come with split calyx, and the occasional dropping down to 44 degrees is no doubt the factor in this case. Why the Daybreak have the rust and the other varieties are free is easily explained. Daybreak is very susceptible to the disease mentioned, and the McGowan and Scott are not so easily attacked. With good care, however, such as keeping diseased leaves picked off, discontinuing syringing, excepting when it is absolutely necessary, and then only doing it on bright mornings, Daybreak will outlive the disease and yield a good supply of flowers before the season is over.

(33) **Calla Flowers Not Opening.**—I would like to know why so many of my callas do not open this year. I treat them the same as I did last year—40 to 50 degrees at night; they are in solid beds. I started them August 1 and gave them a heavy top dressing of manure after starting.—CALLA.

—The cause of the callas not opening well is the low temperature in which they are kept in at night. To grow callas well and profitable the night temperature should be not less than 60 degrees.

(34) **To Kill Violet Pests.**—I would like you to tell me how to get rid of green and brown aphis in violet house. I have used hydrocyanic acid gas twice, but have not killed all the insects, though, I think, I have destroyed a good many of them, slightly injuring some of the plants. Would it lessen the danger to the plants to wet them before applying the gas? It seems to have injured the California plants more than those of Marie Louise.—G.

—We know of nothing that will so effectively destroy the green and the brown aphis in violet houses as hydrocyanic acid gas. We have used it in our violet houses during the past three years, and it has not only held the aphis in check, but has not caused the slightest injury to the double varieties. The amount usually recommended for fumigating violet houses generally injures the single varieties, however, to a greater or less degree, according to the growth of the plants and the condition of the weather. The amount of gas which can be used with safety will not entirely exterminate the aphides, but it will destroy more of them and injure the plants less than any of the other treatments recommended. The plants must not be exposed to the gas more than 30 minutes, and the utmost care must be exercised in determining the proper amount of cyanide of potassium to be used. Care should also be taken not to wet the leaves, as our experience shows that the plants are less liable to be injured by the gas if the foliage is kept free from moisture. The use of hydrocyanic acid gas is fully discussed in Circular No. 37, of the Division of Entomology. This circular will be sent to all applicants.—P. H. DORSETT, Division of Vegetable Physiology and Pathology, U. S. Department of Agriculture.

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"Good Strong Kind."
60 CTS. PER 100 LBS.
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Fine or Coarse to Your Order.
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Tobacco-Whale Oil Soap for syringing, for washing plants. We Know Its Goodness. All Seedsmen Keep It

New York.

Club Meeting.

A well attended club meeting was held Monday evening last, President O'Mara in the chair. The various committees, the meetings of all of which have been very gratifying, reported satisfactory progress. A draft of the preliminary schedule for the forthcoming horticultural exhibition in August next was read, and, with several suggested amendments, adopted. The prizes to be awarded will be silver and bronze medals, together with certificates of merit and honorable mentions. The schedule includes fruits and vegetables. It was agreed that the club donate a trophy, valued at $100, to be given to the horticultural society whose individual members secured the largest number of prizes, a relative value being placed on each separate premium obtained. The S. A. F. has donated 12 silver and 12 bronze medals for the purposes of this exhibition, and others from the club will be forthcoming.

The exhibition committee, in its amended report from last meeting, awarded a silver medal to Dailledouze Bros., for carnation No. 666. The dinner committee reported a satisfactory conclusion of their labors, and together with Mr. Brower and the various donors of material for the dinner decorations, were heartily thanked. Mr. O'Mara and Mr. Ward told of the elegant time experienced at the Dutchess County Horticultural Society's annual banquet at Poughkeepsie.

The efforts of the club to obtain new members are meeting with encouraging success. A host of new names was proposed, and many more are expected to be as time progresses. The Ways and Means Committee is making good headway, but the hearty co-operation of every member is desired along this line.

It was announced that an endeavor would be made to have all S. A. F. work close with the forenoon meeting on Thursday of the convention, so that the afternoon of that day could be devoted to recreation, as well as the whole of the following day.

E. J. Norman and S. F. Butterworth, from Massachusetts, were present, and made a few remarks.

The State of the Market.

With the exception of Tuesday, which was a wet, miserable day, business has been fairly good all of this week. There is a scarcity of fancy Bridesmaid, but in all other lines there is ample supply.

Owing to washouts on the New York Central R. R., the Wednesday afternoon shipments of violets from Rhinebeck did not reach this city in time to be of any use that day, being about seven hours late.

The Poughkeepsie growers, however, fared much better, as a special train was made up, and their violets were in the city at the usual time.

In the market quotation column of this issue it will be seen that prices are given for Bride and Bridesmaid roses according to their several grades. It will also be seen that for No. 2's $3 per 100 is the lowest figure quoted. There are many roses coming in, however, that are too poor in quality even to be graded as No. 2's, and, when sold, do not realize more than $1 or $1.50 per 100—which, by the way, is all they are worth.

American Beauty are still bringing 60c. for the top grade, and the demand is about equal to the supply. The best blooms of Liberty fetch from 40c. to 50c. each, and some special Morgans and Cusins are bringing 15c.

Carnations are clearing out quite well and there is but little fluctuation in the values. Scotts are surely going out of favor in this market, what with the poor color of some and the bursted calyx of others they are fast being relegated to the rear.

Tulips are to be had now in a great variety, the best on the market is the Morello, which realizes $6 per 100. There is also a special grade of lily of the valley bringing $4 per 100.

Yellow Marguerites are quite popular and realize $1 per 100; the white variety can be had at 50c. Sweet Peas are in fair supply, and are mostly of the pink type.

Narcissus are quite plentiful and buyers can take their choice of several varieties. Roman hyacinths are also coming in somewhat heavier than they were one week ago, a limited number of the blue Romans are also offered. Maidenhair fern and asparagus are selling well. Mignonette is in heavy supply, and lilac has shortened up considerably. Freesias are plentiful but a good many of them are only of ordinary quality.

Shipments of violets are particularly heavy for this time of the year, yet dealers are able to dispose of them, and at fairly good prices.

Among the Commission Men.

Thos. Young, Jr., has leased the newly remodeled store, No. 41, next door to his own, and will connect the two together from the interior.

J. K. Allen has got settled in his new store and finds the roomy cellar connected therewith a great convenience.

J. Perkins is negotiating for J. K. Allen's old store, and will probably occupy it in the near future.

Much interest is displayed in 30th street at the present time relative to the locating of the individual who fixes the value of roses every morning. Who is he?

Among the Retailers.

Business on the whole is very satisfactory. Lent commences on the 28th of this month, and after that date trade is supposed to fall away considerably, but in the meantime social events which use up bushels of flowers and other accessories are quite numerous.

On the 9th inst. the annual Arion ball came off in Madison Square Garden. The elaborate decorations were put in by Hauft Bros., of Madison avenue, and were pronounced by all who saw them very beautiful.

Wednesday was St. Valentine's Day, and many of the tokens sent took the form of flowers. Thorley displayed three baskets in his window on that day, each with a broad ribbon on the handle and the words "February 14, 1900," printed in gold letters on the ribbon. One of the baskets was filled entirely with cattleyas and Adiantum Farleyense, one was filled with lily of the valley and the other with violets and Liberty roses. The handle of each basket had a small cluster of flowers attached of the same variety with which the basket was filled.

Some old varieties of acacias have been resurrected by some one of our growers. Bunches and long sprays of these really beautiful flowers were shown in J. H. Small & Son's window this week. Spiræas and rhododendrons are also being used for window display.

Here and There.

The Rosary Co. (J. H. Troy, manager), used 2,800 cattleyas at a recent decoration.

H. H. Berger & Co. have received a consignment of fern wreaths; they are made up of dormant roots, the same as fern balls but in the shape of a wreath, and make very attractive hanging plants.

Among the New Yorkers who attended the carnation meeting in Buffalo were: Alex. Wallace, C. B. Weathered, John N. May, A. Herrington, E. Dailledouze and C. W. Ward.

Cleary & Co. have on exhibition in their auction room a very fine collection of Japanese evergreen and flowering shrubs. The latter are in splendid shape for forcing, and are composed chiefly of wistarias, cherries and plums. There is also a choice assortment of antique jardinieres, screens, etc. These are to be sold on Monday and Tuesday next, Feburary 19 and 20, sale commencing at 2 p. m. each day.

The name of the firm commencing a decorative supply business at 513 to 519 West 25th street, which was mentioned in our issue of January 20, is John Lassen & Co., Mr. Lassen being the sole proprietor.

At the ten concert given by Mrs. Langtry at Sherry's on Tuesday afternoon for the benefit of the hospital ship Maine, Miss Helene Belfort Berger, daughter of Mrs. H. H. Berger, took a prominent part. A picture of the accomplished young lady appeared in the New York Journal on Wednesday.

CLEMATIS PANICULATA AND AMPELOPSIS VEITCHII

$40.00 to $70.00 per 1000. $35.00 to $50.00 per 1000.

We have the above in large quantities, 2 and 3 years old, field-grown.

GRASSES, $2.00 per 100. CAL. PRIVET, $12.00 per 1000.

Stock for transplanting. Shrubs in large quantities cheap. Send for wholesale list.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Mention the Florists' Exchange when writing.

Madison, N. J.

The Morris County Gardeners and Florists' Society held their regular monthly meeting on Wednesday night last, all the officers and 19 members being present. A very interesting discussion was opened up by Mr. Duckham on the "past and future" of the carnation and rose, and it was unanimously hoped that the new American Rose Society would be able to strike the keynote of development like unto the Carnation Society. It was also moved that the sum of $25 be appropriated for 18 blooms of Bride and 18 blooms of Bridesmaid, to be competed for in open class at the coming exhibition of the A. R. S., in March next. An offer of $15 was also received and accepted with thanks from F. R. Pierson, of Tarrytown, N. Y., for 12 blooms of Col. D. Appleton, chrysanthemum ($10 first prize, $5 second), to be competed for at our annual flower show in Madison next November.

C. H. A. SEC.

Grand Rapids.

Flowers are scarce; in carnations the only variety in good supply is Scott. Roses are also scarce, although blooming more freely than heretofore. Violets are doing finely—one firm here picked 42,000 in three consecutive days. The demand for funeral flowers continues steady and uses up a quality of flowers that might otherwise find their way to the rubbish heap. Prices continue as last quoted, except some grades of carnations. Geo. Hancock, and Harry Balsely, were recent visitors.

The Florists' Club will, some time in March, hold a carnation meeting probably at the Eagle Hotel, although Geo. Hancock, of Grand Haven, has asked to have it held at Grand Haven. The only objection to that is, so few of the boys would be able to get to the meeting. It is a case of the greatest good to the greatest number.

GEO. F. CRABB.

PETUNIAS

Finest frilled double, Pink Beauty, Mrs. Sanders, Perfection, and others, 2½ in. pots, $2.00 per 100; extra strong, 3½ in. pots, $5.00 per 100; rooted cuttings, $1.00 per 100.

Alternantheras 4 varieties, rooted cuttings, 50 cts. per 100; $4.00 per 1000.

Geraniums 2½ in. pots, best commercial vars., $2.50 per 100; rooted cuttings of same, $1.25 per 100.

Chrysanthemums Leading commercial vars., 2 in. pots, $2.00 per 100; rooted cuttings, $1.00 per 100.

Rudbeckia Golden Glow 3 in. pots, $3.00 per 100; field-grown, $1.50 per 100; $10.00 per 1000.

Hardy Perennial Phlox Field-grown clumps, $4.00 per 100.

Begonias Vernon, Bijou, Roses and Albs, 2½ in. $2.00 per 100; 4 in. pots, $5.00 per 100.

Cannas 20 of the best vars., extra strong, dry roots, $2.00 per 100; $15.00 per 1000.

C. C. NANZ, Owensboro, Ky.

Mention the Florists' Exchange when writing.

TWO YEAR OLD ROSES.

Strong branching plants well equipped with roots, best forcing and pot varieties, $6 per 100; $55 per 1000. In following varieties:—Golden Gate, Muriel, Graham, Mrs. Robert Garrett, Mosella, Burbank, C. Soupert, Geo. Jacq., Mme. Chas. Wood, Crimson Rambler, Magna Charta and Neyron.

	100	1000
Golden Gate, nice 2½ in.	$3.00	$25.00
Mrs. Robert Garrett, 2½ in.	3.50	30.00

50 other varieties. Send your list for prices.

Baby Primrose, 2½ in. in bloom	3.00	25.00
Asparagus Plumosus Nanus, 2½ in.	4.50	40.00
Asparagus Sprengeri, 2½ in.	3.50	30.00
Double Petunia, (Mottled), 2½ in.	3.00	
Hardy White Pink, Her Majesty, 2½ in.	2.50	20.00

JOHN A. DOYLE, Springfield, Ohio.

Mention the Florists' Exchange when writing.

Let us book your order for

Chrysanthemums

for future delivery.

Our stock and facilities enable us to propagate **over One Million plants.**

We can make prices for **May, June or July delivery** that will be satisfactory.

10,000 Vinca Major Variegata, for immediate delivery, 2 in. pots, ready for threes, **$3.00 per 100; $25.00 per 1000.**

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Cocos Weddeliana Seed

NEW CROP NOW READY!

Price: $1.00 per 100 $7.50 per 1000 $28.00 for 4000

CLUCAS & BODDINGTON CO. 342 WEST 14th STREET, **New York.**

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Plant Southern-Grown CARNATIONS.

20,000 Rooted Cuttings. 15,000 2-in. Pot Plants

For Sorts and Prices write to

SOUTHERN NURSERY, San Antonio, Tex.

BOX 328.

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ROOTED

CARNATION CUTTINGS.

	Per 100	Per 1000
ETHEL CROCKER	$10 00	
AMERICA	5 00	$40 00
G. H. CRANE	6 00	50 00
FLORA HILL	1 50	10 00
WHITE CLOUD	3 50	30 00
MRS. JOOST	2 50	20 00
DAYBREAK	1 50	10 00
VICTOR	1 50	12 50
BRADT	5 00	40 00

GRAFTED ROSES

LIMITED STOCK.

H. F. LITTLEFIELD, Worcester, Mass.

Mention the Florists' Exchange when writing.



100,000

Rooted Cuttings

CARNATIONS

Now Ready to Ship.

Early orders get the best rooted stock.

	Per 100
MRS. THOS. W. LAWSON, pink	$14.00
ETHEL CROCKER, pink	10.00
THE MARQUIS, pink	10.00
GENEVIEVE LORD, pink	10 00
OLYMPIA, variegated	12.00
G. H. CRANE, scarlet	4.50
AMERICA, scarlet	4.00
MELBA, light pink	3 50
MRS. G. BRADT, variegated	3 00
GLACIER, white, fine	4.00
MAUDE ADAMS	3.50
GOMEZ, dark red	4 00
MRS. F. JOOST, pink	2.50
GOLD NUGGET, yellow	3.00
ARGYLE, fine pink	1.25
TRIUMPH, fine pink	1 50
DAYBREAK, shell pink	1.00
EMPRESS, dark red	1.00
FLORA HILL, white	1.50
WHITE CLOUD	2.50
MARY WOOD, fine white	3.00
JUBILEE, scarlet	1.50
PSYCHE, variegated	1.50
MORELLO, scarlet	1 50
WM. SCOTT, pink	1.00
LIZZIE McGOWAN	1.00

No orders shipped to Canada for less than $10, cash

5 Cuttings at 100 rates.

PLANTS

		Per 100
Geranium De Roo Mitting	2¼ inch	$7 00
Geranium Double Snow Drop,	"	7 00
New Yellow Baby Primrose	"	7 00
22 Coleus, fine, named	"	4 00
20 Standard Coleus, named	"	1 00
30 Double Petunias, mixed	"	2 00
Primula Obconica, 3½ inch		3 00
Primula Obconica, 2¼ inch		2 00
Primula Chinese, 2¼ inch		1 00
Primula, from flats, strong		50
Velvet Plant		2 00
15 Begonias, flowering, named, 2¼ inch		2 00
Forget-Me-Not, winter flowering, 2¼ inch		2 00
Iresines, 2 varieties, red, yellow, 2¼ inch		1 50
Pansy Plants, per 1000, $3.00		50
Cannas, large flowering, mixed		1 00
Mesembryanthemum Erectum, 2¼ inch		2 00
California Moss	"	2 00
Lycopodium Dent	"	2 00
Alternanthera, 4 varieties	"	1 50
Feverfew, Yellow Foliage	"	1 50
Feverfew, Little Gem	"	1 50
Dusty Miller	"	2 00
Cigar Plant	"	2 00
Vinca, variegated, trailing	"	2 00
Pure White Pansy Plants		50
Ferns, mixed, our selection, 2½ inch		5 00
Lobelia, Crystal Palace Gem, "		1 50

Five plants at 100 rates.

THE MORRIS FLORAL CO., Morris, Ill.

Mention the Florists' Exchange when writing.

Philadelphia.

It has been a long time since the cut flower market was unable to supply all demands, but evidently roses and carnations have bloomed themselves out. Flowers are now scarce, but there has not been, so far, any advance in price worth noting, still prices are firmer. Business with the stores is good, and flowers of average quality are early disposed of. Roses are in demand, as are also red and pink carnations; other colors are in sufficient supply, as also is bulbous stock, with not any brisk demand. Violets are quiet, the best doubles going at $1 per 100.

Most of the retail stores are doing a nice business, small decorations and dinners have been numerous, using large quantities of choice flowers. Transient trade is also very encourngng; several store men report this season the best they ever had.

Pennock Bros. made a specialty of fancy baskets on St. Valantine's Day, and did a large trade therein. Most of the baskets were small and dainty, and when filled with flowers, inserted in damp moss, looked very pretty and sold at first sight.

As carnations have been much written about lately, a few points obtained at Robt. Craig & Son's establishment may be in order. There we find the chief interest centered in Ethel Crocker, of perfect health, robust growth and freedom of bloom. No doubt this one will make money. Mrs. Frances Joost is doing very well here, being perfectly healthy and blooming freely, surprising all who have seen it. America is also doing well, is liked, and will be grown next season; the color is not exactly what everyone would wish, but it is a perfect flower—in substance and size, and of robust growth.

Wm. P. Craig has achieved great success as a carnation grower, and the rooted cuttings sent our from this establishment are grown cool, making sturdy plants; and, propagated in the famous rotten rock of this locality, they make strong roots, not one or two on one side but a profusion all around the cuttings.

The Pennsylvania Horticultural Society will hold its monthly meeting on Tuesday next, when John Hobson, gardener to Edw. A. Schmidt, Esq., will read a paper on "The Forcing of Vegetables."

On Saturday, February 24, an institute meeting, in connection with the Department of Agriculture of Pennsylvania, and under the auspices of the Pennsylvania Horticultural Society and the Florists' Club of Philadelphia, will be held at Horticultural Hall. Sessions begin at 2 p. m. and 7:30 p. m.; admission is free. Florists should attend these meetings; some of the papers to be read will prove of interest—and are there not some solutions regarding the chemical composition of the soil, some trouble about insects, or some points about fertilizers, you would like solved? Write out your query and put it in the Question Box, and it will be assigned to a proper person to answer.

DAVID RUST.

BRIEFS FOR BUSY FLORISTS.

CANNAS.—These should be started now if good-sized plants are wanted at planting out time. If a bench can be devoted to them, and it is desired to increase the stock of any of the varieties, we prefer to put in the clumps whole. Give them a light covering of soil, working it well among the roots with the fingers so that no cavities remain in the bottom. A temperature anywhere between 55 and 60 degrees will start them, and, as the growths get large enough to handle, break them away from the stool and put them into suitable sized pots. We find that by pursuing this method the eyes start much quicker than they do if separated while they are dormant.

CALADIUM ESCULENTUM bulbs require much more heat to start them than do cannas, and the operation may be deferred till the first of next month if necessary. Should room be at all scarce yet, if good big specimens are wanted, it will not be amiss to start them this week. Plant the bulbs in any light soil, using boxes about 3 inches deep, or deeper if the size of the bulbs demand it, and place the boxes where they will have a strong bottom heat. Water them often enough to keep them moist all the time, being sure that they never once become dry while on the bottom heat. After they start they may be potted and given a light position in a moderately warm house and re-potted again when necessary.

CARNATIONS

Large Stock of Strong Rooted Cuttings Now Ready.

G. H. CRANE, MORNING GLORY, MACEO, GLACIER, GOMEZ, AMERICA, RED MRS. BRADT (or Chicago), MARY WOOD and other good standard sorts.

MRS. GEO. M. BRADT for March delivery—all the early stock sold.

FIVE 1900 NOVELTIES.

MRS. THOS. LAWSON, ETHEL CROCKER, THE MARQUIS, OLYMPIA and GENEVIEVE LORD. At introductory prices.

We make a Specialty of Rooted Cuttings, and have three houses of stock growing for that purpose only.

Send for Descriptive Price List.

F. DORNER & SONS CO.,

LAFAYETTE, IND.

Mention the Florists' Exchange when writing.

CYCLAMENS that were sown last Fall should be now about ready for their first potting. Use plenty of leaf soil for them. If it is plentiful use nothing else for cyclamens, except enough sand to insure porosity. When potted give them a place as near the glass as is convenient, and by all means avoid over-watering.

DAHLIAS that were started some time ago will be throwing up shoots, and these should be taken as cuttings and rooted in the propagating bed, then potted and kept growing in a rather cool house. They should not be allowed to get pot bound, however, but be potted along as required, the object being to have a sturdy, well-hardened plant to put outdoors when Spring arrives.

THE POT ROSES intended for Easter sales can be given more water and more heat as their foliage develops. The syringing of them daily is an important matter and must not be neglected, for once the red spider gets a hold he clings persistently and will soon spoil the looks of a $5 plant and reduce its value more than half. Keep the foliage clean and free from both fly and spider by all means, as a pot rose with poor foliage is neither useful nor ornamental.

Among the most difficult photographs to take are those made at night. J. B. Carrington has for several years been making photographs at night of scenes in New York City, and a selection from these will appear in the March Scribner's, with an article by Mr. Carrington. At the present day there is a revival in landscape architecture as an art. It will be discussed in the March Scribner's by George F. Pentecost, Jr., who is a high authority on the subject.

New Seedling Carnation **MICHIGAN**

Cuttings Ready Now. Per 100, $6; per 1000, $50.

Color dark red, a seedling from McGowan, freer than Scott and blooms the whole season through, from time of planting in until thrown out. Stem wiry and from 15 to 24 inches long. Foliage dark green and healthy, the cuttings easy to root and the plants easy to lift in the Fall.

Dracaena Indivisa 4 and 4½ in. pots, to close out, $10 to $12 a 100. Cash with Order.

A. R. WALKER, - Flint, Michigan.

CARNATIONS Rooted Cuttings.

Flora Hill, $1.50 per 100; $14.00 per 1000.

Lizzie McGowan, $1.00 per 100; $9.00 per 1000.

Wm. Scott, $1.00 per 100; $9.00 per 1000.

AGERATUM Cope's Pet, blue; Lady Isabel, white, 60c. per 100; $5.00 per 1000.

COLEUS Twenty best named vars., including C. Verschaffeltii and Golden Bedder, all money makers. R. Cuttings, 70c. a 100; $6 a 1000.

DAISIES California, white, Yellow Castle, yellow, the best all-round Daisies; both stand the heat and dry weather. Well-rooted Cuttings, $1.00 per 100; $9.00 per 1000; 2 in., strong, $2.00 per 100.

DOUBLE GIANT SWEET ALYSSUM

Rooted Cuttings, $1.00 per 100.

We pay the express on all R. Cuttings. Our guarantee goes with everything we send out, to please you; for that CASH, PLEASE. Send for list.

C. HUMFELD, Clay Center, Kas.

Mention the Florists' Exchange when writing.

WHITE CLOUD

Unrooted cuttings of this the best White Carnation, $10.00 per 1000.

H. F. LITTLEFIELD, Worcester, Mass.

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS.

Wm. Scott	per 1000, $10 00
Maude Adams	per 100, 3 50
Mrs. F. Joost	per 100, 2 50
Lady Emma	per 1000, 12 50

☞ Unrooted at half price.

☞ Write for prices on large lots.

CHARLES LENKER, Freeport, L. I.

Mention the Florists' Exchange when writing.

Carnation Cuttings.

10 PER CENT. DISCOUNT ON THOUSAND LOTS.

	Per 100
MRS. LAWSON	$14.00
G. H. CRANE	5.00
AMERICA	3 00
MELBA	3.00
LESLIE PAUL	3.00
GOV. GRIGGS	3.00
MRS. BRADT	3.00
FRANCES JOOST	2.50
EVANSTON	2.50
JUBILEE	2.50
VICTOR	2.00
WHITE CLOUD	2.50
FLORA HILL	2.00
GOLD NUGGET	2.00
TRIUMPH	2 00
DAYBREAK	1.25
ARGYLE	1.25
ARMAZINDY	1.25
LIZZIE McGOWAN	1.00
EVELINA	1.00
MAYOR PINGREE	1.00
WM. SCOTT	1.00
NIVEA	1.00
MORELLO	1.00

Rose Cuttings.

METEOR	per 100,	$1.50
BRIDESMAID	"	1.50
PERLE	"	1.50
BRIDE	"	1.50
GOLDEN GATE	"	2.50

Write for prices on large lots.

All plants and cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded. Write for prices on larger lots.

PETER REINBERG, 51 Wabash Ave., Chicago.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS Large assortment Geraniums and Coleus, some new transplanted stock, fine condition. Begonia Erfordi and Vernon, Heliotropes, Salvias, Choice Double and Single Petunias, some new Verbenas, Pansies, Giant and Bugnot, etc. Prices right. Send for List.
DANIEL K. HERR, Lancaster, Pa.
Mention the Florists' Exchange when writing.

New Early Yellow Chrysanthemum
WALTER MOLATSCH.
Three Certificates A.C.S. Ready March 1st, 1900. Price, 50c. each; $4.00 per doz.; $25.00 per 100.
For Sale by
DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y.
AND
H. A. MOLATSCH, - - - Brooklyn, N. Y.
68th St., bet. 8th and 9th Aves.
Mention the Florists' Exchange when writing.

Room Wanted.
Cinerarias, from 4 in. pots, $5.00 per 100; with pots, $6.00 per 100, for Easter blooming.
Primroses, 4 in. pots, choice colors, in bloom, from $6.00 to $8.00 per 100.
Umbrella Plants, 4 in. pots, $7.00 per 100.
Begonia Vernon, 4 in. pots, $8.00 per 100.
Primula Obconica, in bloom, 4 in. pots, $6.00 per 100
Cyclamens, 4 in. pots, in buds, $8.00 per 100.
Azaleas, bud and bloom, white and pink, 75c. each.
Standard Azaleas, 2 ft. high, white and other colors, 80c.
Cineraria Hybrida, 6 in., in buds, $2.50 per doz.
Freesias, 4 in. pots, in bloom, $1.00 per doz.
State particularly if wanted with or without pots.
CASH WITH ORDER, PLEASE.
GODFREY ASCHMANN,
1012 Ontario Street, Rising Sun, Philadelphia, Pa.
Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Belle of Castlewood,	Mrs. J. G. Whilldin,
Bonnaffon,	Mrs. S. T. Murdock,
Cullingsfordii,	Mrs. J. J. Glessner,
Eugene Dailledouze,	Mrs. H. Weeks,
Glory of the Pacific,	Mrs. O. P. Bassett,
Ivory,	Niveus,
J. Woodford,	Rose Owen,
Liberty,	The Queen,
Minerva,	W. H. Hallock,
Mme. F. Bergmann,	Wm. H. Lincoln.

From 2½ in. pots, $2.00 per 100.
VERBENAS In 10 best varieties, from 2½ in. pots, strong plants, $2.00 per 100.
Cash with Order. Price List on Application.
R. VINCENT, JR., & SON, White Marsh, Md.
Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

	100	1000
Coleus, Crimson Verschaffeltii, Golden Bedder and Golden Queen	$0.75	$6.00
" In variety	.60	5.00
Alternantherns, P. Major and A. Naos, from soil	.60	5.00
Ageratum, blue and white	.60	
" Princess Pauline	.75	
Double Petunias, 30 varieties	1.25	
Giant Alyssum	.60	
Heliotropes, 12 varieties	1.00	
" " 2 inch pots	2.00	
Salvia Splendens and Bedman	1.00	
Vinca Variegated, trailing	1.00	
Cannas, Dormant, Standard vars	2.00	12.50

Plants by the 100, by mail, prepaid. Cash with order.
C. A. HARRIS & CO., DELANSON, N. Y.
Mention the Florists' Exchange when writing.

Choice Plants! Low Prices!
All following are in first-rate condition.
CLEMATIS PANICULATA, strong, in flats, 100 Mailed, $1.25.
BEGONIA VERNON, 6 sorts, mixed, in flats, 100 Mailed, $1.25.
PEPEROMIA ARGYREA and **ARIFOLIA,** 100 Mailed, $1.25.
LYGODIUM SCANDENS, climbing fern, 2 inch pots, per 100, $3.00.
PTERIS TREMULA, 2 inch pots, per 100, $3 00.
PTERIS DEWEYANA, new, 1899, 2 inch pots, per dozen, $2.00.
NEPHROLEPIS WASHINGTONIENSIS, new, 2 inch pots, 6 mailed, $1.25.
NEPHROLEPIS PHILLIPENSE, 2 inch pots, strong, per 100, $4.00.
GENISTA RACEMOSA, 5 inch, full bushes, full of flower spikes, per dozen, $2.00.
CYPERUS ALTERNIFOLIUS, 4 inch, per 100, $5.00. Carefully Packed. Cash with Order.
JOHN H. LEY, Good Hope, Washington, D.C.
Mention the Florists' Exchange when writing.

CYCLAMEN PERSICUM GIGANTEUM
No finer strain on the market. Transplanted in flats $2 00 per 100; $18.00 per 1000.
Forget-Me-Not, stocky pot plants, $2.00 per 100. Large clumps for benching or dividing, $4.00 per 100.
Baby Primrose, in bud and bloom, $3.00 per 100.
Rudbeckia, Golden Glow, $3.00 per 100.
Double Petunias, in splendid mixture. Rooted cuttings, $1.00 per 100.
Alternantherа, 50 cts. per 100; $4 00 per 1000.
Salvia Splendens and **Bonfire,** $1.00 per 100.
Heliotrope, remarkable fragrance, no scentless varieties, $1 00 per 100.
Fuchsias, single, in variety, $1.00 per 100; Double, $1 50 per 100.
Feverfew, Dwarf Gem, $1.50 per 100.
Ageratum and **Parlor Ivy,** each, at 75c. per 100.
CARNATIONS. Scott and McGowan, $1.00 per 100; $6.00 per 1000. Daybreak, $1.25 per 100; $10 a 1000. Flora Hill, $1.50 per 100; $12.00 per 1000. Boo Too, $2.00 per 100. Gomez, $4 00 per 100. Bear in mind we allow discount of 10 per cent. on all orders placed for Carnations before March 1st next.
Rooted Cuttings of all plants by the 100 are sent by mail
ORANGE FLORAL CO., West Orange, N. J.
Mention the Florists' Exchange when writing.

300,000 VERBENAS
60 finest named varieties, including our new
MAMMOTH WHITE MRS. McKINLEY.
The finest white Verbena grown.
Perfectly healthy. Free from rust.
Rooted cuttings, 60 cts. per 100; $5.00 per 1000.
Plants, $2 50 per 100; $20.00 per 1000.
Our list is the choice from millions of seedlings
Send for Circular.
J. L. DILLON, Bloomsburg, Pa.
Mention the Florists' Exchange when writing.

WE ARE HEADQUARTERS
For all the Best Novelties of the Season in
Chrysanthemums, Carnations, Cannas, and Geraniums,
CATALOGUE FREE ON APPLICATION.
NATHAN SMITH & SON, - - ADRIAN, MICH.
Mention the Florists' Exchange when writing.

PANSY PLANTS, Largest flowering show varieties unsurpassed quality, fine, large stocky plants, $3.00 per 1000; 500 at 1000 rates.
GUSTAV PITZONKA, Bristol, Pa.
Mention the Florists' Exchange when writing.

SCHMIDT'S PANSIES Have no Equal.
Comprising the cream of all the Leading Strains. Large, stocky plants, 50 cents per 100; $3.00 per 1000; 10,000 for $25.00.
DAISIES (Bellis), strong plants of the largest double varieties, Longfellow and Snowball, 40 cts. per 100; $2.50 per 1000.
J. C. SCHMIDT, Bristol, Pa.
Mention the Florists' Exchange when writing.

PANSIES
We grow over a million and can ship at once. Composed of the finest Bugnot, Cassier, Odier and Trimardeau. Large stocky plants, transplanted in cold houses, **60 cts. per 100; $1.00 per 1000.**
Azaleas for Easter large plants $9.00 per doz.
Cinerarias in bloom, 5 in, $1.50 per doz.
WHITTON & SONS, Wholesale Florists,
CITY AND GREEN STS., UTICA, N. Y.
Mention the Florists' Exchange when writing.

Pansies Worth Raising
Good Plants, $4.00 per 1000; $2.50 per 500.
Extra Large Transplanted Plants in bloom, as good as in spring, $2.50 per 100.
F. O. B. Express here. Cash with order.
C. SOLTAU & CO., 199 Grant Ave., Jersey City, N. J
Mention the Florists' Exchange when writing.

PANSIES
Large flowering strain, 50c. a 100; $2.50 a 1000.
Oxalis Floribunda, 2 in pots, $2.50 a 100.
100 each Bride and Bridesmaid, 2½ in. pots, $2 50.
Geraniums, 16 vars., 2½ in. pots, $3.00 a 100. Cash with order.
JOS. H. CUNNINGHAM, Delaware, Ohio.
Mention the Florists' Exchange when writing.

PANSIES
The Jennings Strain, 200,000 fine, stocky plants, from cold frames, varieties the finest, many are curled and fringed. 100 plants by mail, 60 cts.; 1000 plants by express, $3.50; large plants in bud, by express, $5 a 1000; extra fine Pansy blooms, by mail, 50c. a 100.
Pansy Seed of above, $1.00 per pkt.; $5.00 per oz. Separate colors in plants or seed if wanted.
Choice Mixed Gindiolus, all colors, 50 cts. per 100. Extra large **Scarlet Amaryllis Bulbs,** $6.00 per 100; medium size, $3.00 per 100.
Samples sent for 10 cts. Cash with order.
E. B. JENNINGS, Lock Box 254, **Southport, Conn.**
Grower of THE FINEST PANSIES.
Mention the Florists' Exchange when writing.

Pansy Plants in Flower
GIANT MIXED,
For the New York Market, $3.00 per 100.
Cash with order.
Special Prices on Large Quantities.
FINE, LARGE BLOOMS, SURE SELLERS.
JOHN LAPPE,
Juniper Avenue, between Metropolitan Ave. and Grand St.
Telephone 131—1. **MASPETH, N. Y.**
The Largest Pansy Grower in America.
Mention the Florists' Exchange when writing.

HINTS and HELPS.

Adiantum Farleyense.—The first batch of young plants of this useful fern should be started as soon as possible. Old plants from which the fronds were cut earlier in the season, and which show little colonies of small fronds, are the best for the purpose. There is little satisfaction to be got from dividing large plants into three or four pieces and potting up. Instead of this, wash every particle of soil from the roots, when it will be found there is a considerable quantity of dead but hard, wiry rhizomes just beneath the surface of the soil. This material, if pott d up with the pieces, hinders their growth and should be removed, selecting only the rhizomes which have life in them and which have a frond, however small, or a piece of frond attached. The work of separating should be done with the aid of a sharp-pointed pair of scissors. Next put the pieces in a mixture of sand and moss, the latter rubbed through a No. 8 sieve; have the materials in equal parts. Water should be given very sparingly. To start the pieces into growth under the most favorable conditions, they ought to be covered with glass until new roots and fronds push out. They may then be potted into 2-inch pots.

Fern Spores.—Many failures to germinate some of the rarer kinds of ferns may be set down to harvesting the spores at the wrong time. Many ferns are somewhat erratic in the manner of shedding their spores; sometimes we see young fronds with the spore cases burst and the spores gone, while the spore cases on some of the older fronds are in perfect condition with the spores yet in them. Spores should always be gathered with the aid of a hand-magnifying glass, which may be purchased for 25c. This should be used not only for gathering; but after the fronds are dried, the little pile of brown powder may, with its aid, be examined, so as to ascertain whether thick or thin sowing should be resorted to, as the brown powdery material which falls from the fronds may be all spores, and again contain but few. When the proportion of spores is known they should be sown so that when they vegetate the prothalli will not overlap each other before being large enough to prick off.

The Plumerias are a neglected class of plants somehow; we see them only in places where a general collection of stove and greenhouse plants are grown, and yet their flowers are large, showy and sweet smelling. The stems and foliage have an ornamental character of their own. They make very rapid growth in Summer, being well suited for tub culture. The plants should be kept dry during Winter. The leaves will fall off early, and the pots or tubs in which they grow may be laid on their sides under the bench of a greenhouse. In propagating, which may be done best during February, the cuttings may be taken from 6 inches to a foot long; stand them upright or leaning against the back part of the propagating bench, but not with the bases buried in the sand. Nor should they be allowed any water for a week or two. After the cut part is well healed over they may be potted in almost dry sand, in which they root quickly if put in a brisk heat.

Pricking off Seedlings.—A great many kinds of plants in the seedling stage, when pricking off becomes necessary, are not of sufficient size to go into small pots; even in these they take up too much room and are apt to suffer from too much or too little water. One may get dry here and there and the chances are that others in the neighborhood will get water when they do not need it. Putting several in a pot is just as unsatisfactory, as they must be divided up as soon as sufficient growth is made, and repotted. This applies especially to herbaceous plants which have a large number of fibrous roots instead of a tap root. I find the plan of putting the seedlings in boxes, when large enough to handle, to be the most satisfactory method. Watering is then an easy matter and the seedlings, when large enough, can be transferred to the open ground or potted up as required. Besides, the labor saved in transferring to cold frames is considerable.

Moon vines.—Plants from Autumn struck cuttings, which were given a shift a few weeks ago, will now be throwing out a quantity of shoots which are intended to be utilized for cuttings. When these shoots get a foot or more long, nip the ends out, as by doing so the remaining part will ripen more quickly and provide better material for single eye cuttings. The plants from these will be large enough by planting out time. Large flowering plants of the common moon flower will often ripen considerable quantities of seed; these, when gathered, are very large and rather soft, but when kept for some time they diminish in size and get very hard, so much so that they refuse to germinate under ordinary conditions. Put them into a flat of water and stand the vessel on a warm bench for a day or two when the seeds will soften. This condition will be indicated by their swelling to two or three times their normal size; they should then be sown singly in small pots, keeping the soil only slightly moist to prevent rotting.

Dahlias.—Seeds of these plants can hardly be sown too early in the season, because, should the seedlings get lanky, the tops can be taken off as cuttings and put in the propagating bench. The young seedlings form tubers very early in their career, and, if necessary, can be carried over a season in 3-inch pots. The old tubers which have been wintered over in a dry state may now be sorted up for propagation. They may be placed, according to their kind, in boxes, and covered with sand or soil, leaving the crowns exposed to view. Give a slight watering now and then to start them into growth. A position near the glass and exposed to the sun will give short, stocky growth for cuttings. When taken off close to the crown they make the finest plants. A little of the base may be left, however, to sprout a second time, should a large number be wanted. If rooted in rough-grained sand, kept only wet enough to prevent the cuttings from wilting, the roots will be thicker than if they were placed in fine-grained sand, and they can be potted without feeling the transfer in the least.

Farfugium grande.—This fine Japanese plant is now known as Seneclo Kæmpferi aureo-maculata. With Rhodea japonica and the aspidistras it is among the best constitutioned plants for the dwelling house. There is a beautiful kind with white spotted leaves which I have only grown for a couple of seasons; but I suppose it to be as hardy as the yellow one, which, by the way, has stood outdoors quite unprotected here for the last 15 years. Old plants with numerous growths will stand division better at this season than at any other previous to repotting. Give the pieces at least a week in the sand bed, to start new roots. They thrive well in a loamy soil, well drained.

Manettia cordifolia, one of our most showy slender growing vines too seldom seen in cultivation, is now sending up shoots through the soil from the pieces of roots which were cut up a few weeks ago. As soon as two pairs of leaves are developed, the plantlets should go in thumb pots, using light soil. Keep in warm house until they fill the pots with roots, when they may be put in 3-inch pots and gradually hardened off.

MAMMOTH VERBENAS, large rooted plants, 60c. per 100; $5.00 per 1000. Geraniums, S. A. Nutt, Hill, Grant, La Favorite and Pink, 2¼ in., $2.50 per 100; 3 in., $3.00 per 100. Cyclamen, 3 in., $5.00 per 100, in bud and bloom; 4 in., $1 25 per doz.
Rooted Cuttings; Blue Ageratum, 50c. per 100; Double Petunias, Lobelia and White Stocks, $1.00 per 100. **Samuel Whitton, 15-17 Gray Ave., Utica, N. Y.**
Mention the Florists' Exchange when writing.

SMILAX FROM FLATS
By mail 50 cts. per 100; $4.00 per 1000.
2 in. pots, $1.50 per 100; 13.00 per 1000.
Geraniums, 2 in pots, $2.25 per 100; $20 00 per 1000
Hydrangeas, 3 in pots, $5.00 per 100; 4 in. pots, $10 00 per 100.
Canna Clumps ..... $3.00 per 100
Send for Samples. Cash with the order.
FRED BOERNER, Cape May City, N. J.
Mention the Florists' Exchange when writing.

CANNAS
Cash price per thousand, $10, $15, $20.
Lowest prices per hundred.
MIXED CANNAS Per 1000, $10.00.
40 varieties. List on application.
WILLIAM STUPPE, Hollis, L. I., N. Y.
Mention the Florists' Exchange when writing.

ALTERNANTHERA Red and yellow Rooted cuttings, A No. 1, at 50c. per 100; $4 00 per 1000.

YELLOW COLEUS 2 inch, per 100. $1.75. Satisfaction guaranteed.

E. I. RAWLINGS, - Quakertown, Pa.

Mention the Florists' Exchange when writing.

CINERARIAS

For Easter Flowering.

From Benary, Cannell and Sutton's prize show flowers saved, dwarf and semi-dwarf, giant flowered, finest shades and colors, fine, stocky plants, 2½ in., $2 per 100; $5.00 per 300. 3 in., $3.00 per 100.

SHELLROAD GREENHOUSE CO.

Grange P. O., Baltimore, Md.

Mention the Florists' Exchange when writing.

CLEARING SALE.

CYCLAMEN Persicum Splendens Giganteum, finest strain in the world, in four true colors (August sowing), transplanted twice from flats, $2.50 per 100; $20.00 per 1000. From 2½ in. pots, $4.00 per 100; $35.00 per 1000. A few hundred plants left, from 3½ in. pots, in bud and bloom, $1.00 per doz; $8.00 per 100.

CHINESE PRIMROSES (Fringed foliage), no finer strain on the market. Single and double, in seven colors, in bud and bloom, from 2½ in. pots, $1.75 per 100. From 3 in. pots, $3.50 per 100. From 4 in. pots, $5.00 per 100.

CINERARIAS Hyb. Max. Grand., strong plants, twice transplanted, $1.00 per 100.

REX BEGONIAS Fine assortment, from 3 in. pots, $5 00 per 100.

PELARGONIUMS Mme. Thibaut, Dr Masters, Fred Dorner, Victor, Mme. Vibert, Rooted cuttings, mixed, $2.50 per 100. From 3½ in. pots, $1.00 per doz.; $8.00 per 100.

CANNAS (Started from sand bed), ready March 15. Florence Vaughan, Mme. Crozy, Alphonse Bouvier, Queen Charlotte, Austria, $3.50 per 100; $30 a 1000. All the above warranted A No. 1 Stock.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

1000 Lilium Longiflorum 7 to 9, 6 in pots, just right for EASTER. Write for prices.

Boston Ferns, ready for shifting, 2½ in., 6 cts.; 3 in., 10 cts.; 3½ and 4 in., 18 cts.

Geraniums, Salleroi, Mrs. Taylor, Walnut and Rose, cut back, 2½ cts.

Vinca Major, 2½ in., 2½ cts.

Trailing Lantana, just what you want for vases, baskets, etc., 2½ cts.

Begonias, in variety, 2½ cts.

Gnaphalium, fine for baskets, 2½ cts.

Panicum Variegatum, 2½ cts.

Achyranthes, 2½ cts.

Coleus, Verschaffelti, Beckwith Gem in variety. R C., $1.00 per 100.

Ageratum, Tapis blue, dwarf and the best blue to date, 2½ cts. White Cape, dwarf, extra fine white flowers, 2½ cts.

Tradescantia Multicolor, **Double Sweet Alyssum,** 2c. CASH, PLEASE.

A. J. BALDWIN, Newark, Ohio.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

All stock enumerated below sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded. At 100 rates rooted cuttings will be shipped prepaid; at 1000 rates at purchaser's expense by express.

HARDY PINKS. We have 50,000 Hardy Pink Rooted Cuttings in cold house, well-rooted, and in excellent condition. 8 sorts as follows:

Her Majesty. Giant white.
Alba Fimbriata. White, fringed.
Brunette. Pink, with maroon markings.
Earl of Carlisle. Variegated maroon, rose and white.
Juliette. Cherry red, variegated pink and white.
Gertrude. White, maroon markings.
Laura Wilmer. Pink, with darker shadings, fringed.
May. Beautiful flesh pink, very fragrant.
$1.00 per 100; $8.00 per 1000.

Salvia splendens compacta. $1.00 per 100; $8.00 per 1000.
Lady Hume Campbell Violet. Clean, no disease; rooted cuttings from sand. 60c. per 100; $5.00 per 1000.
Double Petunia. Labeled, 25 sorts. $1.25 per 100; $10.00 per 1000.
Giant Double Alyssum. 75c. per 100; $6.00 per 1000.
Clematis Paniculata. Transplanted seedlings; nice, thrifty plants, $2 00 per 100.
Heliotrope. Eight sorts, labeled. $1.00 per 100; $8.00 per 1000.
Fuchsias. 25 varieties, best sorts, labeled, single and dbl. $1.25 a 100; $10 a 1000.
Strobilanthus Dyerianus. $1.00 per 100.

CARNATIONS See Florists' Exchange Jan. 20, or send for list.

REX BEGONIAS Well-established young plants, from sand bed, mixed, in fine assortment, $1.50 per 100; $12.50 per 1000.

50,000 COLEUS Now rooted, clean and free from mealy bug. GOLDEN BEDDER and GOLDEN VERSCHAFFELTII, 75c. a 100; $6 a 1000. RED VERSCHAFFELTII and 30 other best commercial sorts, 75c. a 100; $5 a 1000.

Madeira Vine Roots. Fine plump tubers. 60c. per 100; $4.00 per 1000.

A. B. DAVIS & SON, Purcellville, Va.
(Near Washington, D. C.)

Mention the Florists' Exchange when writing.

PRIMROSES Thrifty plants, flowers unsurpassed for size and colors, from 4½ in pots, $6 00; 3½ in., $4.00 per 100. A few extra good **Cinerarias** and **Cyclamen,** in bloom, 5 in. pots, 12c a piece. **Coleus,** rooted cuttings, 50c. a 100. Cash with all orders.

MRS. M. CAVANAUGH, Ionia, N Y..

Mention the Florists' Exchange when writing.

GERANIUMS

S. A. Nutt, and Gen. Orant, 2½ in. pots, $2.00 per 100.

CARNATION Mrs. Fisher, from flats, $1.00 per 100; 2½ inch pots, $2.00 per 100.

DOUBLE PETUNIAS, 2 inch, $2.00 per 100.

CHRYSANTHEMUMS, Merry Xmas, Bonnaffon, Merry Monarch, $2.00 per 100.

Cash with order.

WM. KEIR, Pikesville, Md.

Mention the Florists' Exchange when writing.

Rooted Cuttings Now Ready

CARNATIONS.—Scott, McGowan, Daybreak, Albertini, Armazindy, Jahn's Scarlet, at $1 a 100; $8 a 1000.

Fuchsias, Heliotrope, Lemon Verbena, Coleus, Double Alyssum, Vinca Variegata and English Ivy, at $1.00 per 100.

Strong, Bushy, English Ivies, 4 ft high, at $15 per 100. Strong stock plants of Geranium Mars, at $2.50 per doz. Strong stock, one-year-old plants of Double and Single Orant, and other good varieties of Geraniums, $15 a 100

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

Extra fine 3 in. **Chinese Primrose** in bud and bloom, $4.00 per 100. **Asparagus Plumosus,** 3 in., $8.00 per 100. **Rex Begonia,** 3 in., mixed, $4.00 per 100. **Marguerite Daisy,** large flowering white, 2 in., $3.00 per 100. **Nephrolepis Cordata Compacta and Boston Fern,** 2 in., $4.00 per 100. **Kentia Belmoreana and Forsterlana,** 4 in., nice plants, 40c. each.

Geraniums: S. A. Nutt, Poitevine, E. G. Hill, Double Grant, J. J. Harrison, 2 in., $3.00 per 100. Single Grant, Bruant, Murandi, Sam Sloan, La Favorite, 2 in., $2.50 per 100.

English Ivy, 2 in., $3 00 per 100.

Campbell Violets, rooted runners, 50c. a 100.

NEW CARNATION KITTATINNY.

A new money making carnation; a white sport from Daybreak. Any one can grow it that can grow Daybreak, as it is identically the same in every respect except color, which is pure white; and with me it is a stronger grower and larger flower, and as a first-class all-round white can't be outclassed. Stock limited, and orders will be filled in strict rotation. Price per 100 **Rooted Cuttings,** $6.00.

Carnation, rooted cutting. Daybreak, Iago, Flora Hill, $1.25 per 100. Scott, Fisher, Portia McGowan, Alaska, Peach Blow, 75c. per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

Chrysanthemums

	Doz.	100
Helen Bloodgood, 2 in.	$0.50	$2.50
Glory of the Pacific, 2 in.	.40	1.50
G. Bramhall, 2 in.	.50	2.00
Begonia, Alba Picta, 2 in.	.50	1.50
Geranium, Mme. Salleroi, 2 in.	.50	3.00
Salvia Splendens, 2 in.	.40	2.00
Rudbeckia, Golden Glow, 2½ in.	.50	3.00
Carex Japonica var., 2 in.	.50	2.00
Grasses (in variety), 2 in.	.50	3.00
Abutilon, Souv. de Bonn, 3 in	.75	5.00
Cyperus Alternifolius, 4 in	1.00	8.00
Fancy Ferns, for dishes, 2 in., a bargain, at	.50	3

For list of best **Sweet Pea Seed,** see EXCHANGE of January 27, 1900. Satisfaction guaranteed.

Cash with Order.

GEO. L. MILLER, - Newark, Ohio.

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BARGAINS

For retailers, jobbers, landscape gardeners, etc., for bedding, cemetery planting, etc. I am booking orders now for Spring delivery of all kinds of bedding, vase and ornamental plants in bud and bloom, or without, as desired, grown with especial care, bushy and hardy, in 2½ inch pots, or larger ones, if desired.

BLOOMING PLANTS Geraniums, Petunias, Verbenas, Scarlet Sage, Heliotrope, Vincas, Ageratum, Alyssums, Phlox, China Pinks, Snapdragon, Asters, Nasturtiums, Cupheas, Torenias, Cannas, Dahlias, etc., and 4 inch pot Roses.

FOLIAGE PLANTS Coleus, Alternantheras, Anthericums, Echeverias, Centaureas, Fancy Caladiums, Carex Japonica var. Mesembrianthemum, etc.

VASE PLANTS AND VINES

Hardy and tender, Dracænas, Palms, etc., Yuccas, Aucubs and other Evergreens, Shrubs, Hardy Perennials, etc.

Correspondence solicited, state quantity and size and time wanted, and I will give lowest prices.

N. STUDER, Wholesale Grower of Plants, **Anascotia, D. C.**

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VERBENAS, CARNATIONS, GRAFTED ROSES

and Roses on their own Roots NOW READY. SEND FOR IT.

J. L. DILLON, Bloomsburg, Pa

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STOP, LOOK AND THINK

Primroses for Easter Forcing,

$2.00 per 100.

See our last week's ad. for bargains. Write us.

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New Ever-blooming Geranium

AMERICA

Finest grower for pots or bedding. Color, white, salmon and rose in full sun, color of Begonia Gl de Lorraine.

Floriferousness Phenomenal

Strong plants. 50c. each; $5.00 per doz.

MARS 2½ inch pots, $5.00 per 100.

Set of Best 15 Novelties of 1899 Such as La Fraicheur, Emanuel Arene, Dryden, Southey, etc., for $2.00. This is the best bargain of the season. Plants guaranteed A1 in every respect.

CASH, PLEASE.

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Roses, Clematis, Rhododendrons, Etc.

ROSES.

Strong Two Year, Field Grown.

Crimson Rambler, 4 to 5 feet canes, $15. 2d size, 2 to 3 feet canes, $8 per 100.
Yellow Rambler, $8 per 100.
Hybrid Perpetual, in fine assortment $10 per 100.
Wichuraiana, Japan Creeping Rose, $6 per 100.
Wichuraiana Hybrids, 4 varieties, $8 per 100.
Tree Roses, fine heads, $30 per 100.
Liberty, New Red Forcing Rose, from 2½ in. pots, 12 plants at 60c. each; 25 at 50c. each; 50 at 30c. each: 100 at 25c. each.
General Assortment of Everblooming Roses, from 2½ in. pots $3 per 100; $25 per 1000.

CARNATIONS.

Rooted Cuttings.

Mrs. Thomas Lawson,	$14 per 100.
The Marquis	$10 "
Ethel Crocker	$10 "
Olympia	$12 "

Rhododendrons. Large stock of best hardy varieties, 15 in. to 2 ft. high, clean, bright foliage and well set with buds, $45 to $150 per 100.

Azalea Mollis. Strong bushy plants well set with flower buds, $35 per 100.

Hydrangea Paniculata Grandiflora. 2½ to 3 feet $10 a 100. Tree form, 4 to 5 ft., $25 a 100.

Fruit and Ornamental Trees, Shrubs, Etc., in large assortment.

THE STORRS & HARRISON CO., - - Painesville, Ohio.

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Unequaled Varieties VERBENAS Vigorous Stock.

		100	1000
Best Mammoths,	strong pot plants	$3.00	$25.00
" "	rooted cuttings	1.00	8.00
Older "	"	.75	6.00
" "	strong pot plants	2.50	20 00

ROOTED CUTTINGS CARNATIONS VIGOROUS STOCK

General Maceo, G. H. Crane, $6.00 per 100 $50.00 per 1000
America, Melba, Gen. Gomez, Mrs. G. M. Bradt, 75c. per doz.; $5.00 per 100; $40.00 per 1000.
White Cloud, Gold Nugget, $4.00 per 100; $30.00 per 1000.
Bon Ton, New York, Jubilee, Frances Joost, $2 50 per 100; $20.00 per 1000.
Armazindy, Flora Hill, Eldorado, Daybreak, Jahn's Scarlet, Sen Shell, Victor, $2 00 per 100; $15.00 per 1000.
Alaska, Lizzie McGowan, Wm. Scott, Portia, $1.50 per 100; $12.00 per 1000.

Rooted CHRYSANTHEMUMS Cuttings

Send for list of **90 best Varieties.**

CYCLAMEN GIGANTEUM.

From 3 inch pots, in bud, $8.00 per 100
" 3½ " " 10.00 "

Strong Tubers CANNAS DORMANT.

Alphonse Bouvier, Florence Vaughan, Dayen J. Sisley, F. R. Pierson, Italia, Burbank, Souv. de A. Crozy, John White, Pierann's Premier, Comte de Bouchard, Papa, Pres. McKinley, $3 00 per 100; $25.00 per 1000.
Chas. Henderson, Paul Marquant, Paul Bruant, Austria, Thos. S. Ware, Crenle, $2.50 per 100; $20.00 per 1000.

ROSES.

Bridesmaid, Bon Silene, Catherine Mermet, Duchess of Albany, Golden Gate, La France, Maid of Honor, Niphetos, Perle des Jardins, Pres. Carnot, Sunset, The Bride, Wootton, from 2½ in. pots, $5.00 per 100, $40.00 per 1000.

MISCELLANEOUS.

	100	1000
Anthemis, Double Golden Marguerite.	$2.00	
Ageratum, blue and white	1.00	$8 00
" Princess Pauline	1.50	
Coleus, all leading sorts	1.00	8 00
Fuchsias, double and single	2 00	15.00
Feverfew	1.50	12.00
Heliotrope, light and dark	1 25	10.00
Impatiens Sultani	2.00	
Moon Vines, true	2 00	15.00
Salvias, Splendens and Bedman	1.25	10.00

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

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Wholesale Commission Dealer in
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Fine ROSES and CARNATIONS, Specialties.

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Consignments of first-class stock solicited.
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404-412 E. 34th St., N. Y., near Ferry.
Open every Morning at 6 o'Clock A. M. for the Sale of Cut Flowers.
This is not a commission house; the market consists of individual stands.
Wall Space for Advertising Purposes to Rent.
J. DONALDSON, SECRETARY.

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CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

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GEORGE SALTFORD
Makes a Specialty of
VIOLETS
At 50 West 29th St., New York.
Send Your Consignments. Tel. 1304 Madison Sq.

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HEADQUARTERS FOR NOVELTIES
Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
ORCHIDS A SPECIALTY.
JAMES McMANUS, Telephone, 739 Madison Square. 50 W. 30th St., NEW YORK

"Always Ready to Receive Fine Stock."
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ROSES Wholesale Florist, ORCHIDS
30 West 29th St., New York.

WALTER F. SHERIDAN,
Wholesale Commission Dealer in CUT FLOWERS
39 W. 28th STREET, NEW YORK.
Receiving Extra Quality AM. BEAUTIES and all other varieties of Roses.
TELEPHONE 902 MADISON SQUARE. CARNATIONS.

...Wholesale Prices of Cut Flowers...

	Names and Varieties	New York Feb. 16, 1900	Boston Feb. 1, 1900	Philadelphia Feb. 14, 1900	Baltimore Feb. 14, 1900	Buffalo Feb. 8, 1900
Roses	A. BEAUTY, fancy—special	40.00 to 60.00	25.00 to 30.00	40.00 to 75.00	.... to	40.00 to 65.00
	" extra	30.00 to 40.00	16.00 to 20.00	40.00 to 50.00	30.00 to 40.00	20.00 to 30.00
	" No. 1	20.00 to 25.00	8.00 to 12.50	20.00 to 30.00	16.00 to 25.00	10.00 to 20.00
	" Culls & ordinary	2.00 to 12.00	2.00 to 6.00	6.00 to 15.00	8.00 to 12.00	4.00 to 10.00
	Bride, 'Maid, fancy—spc'l	12.00 to 15.00	1.00 to 12.50	.... to 12.00	.... to 7.00	4.00 to 10.00
	" extra	8.00 to 12.00	1.00 to 12.50	.... to	.... to	4.00 to 10.00
	" No. 1	5.00 to 8.00	.... to	.... to	.... to	.... to ....
	" No. 2	3.00 to 4.00	.... to	6.00 to	4.00 to	.... to ....
	K. A. Victoria	.... to	1.00 to 12.50	6.00 to 12.00	4.00 to 6.00	.... to ....
	La France	3.00 to 6.00	.... to	4.00 to 12.00	4.00 to 6.00	.... to ....
	Meteor	2.00 to 10.00	1.00 to 8.00	4.00 to 12.00	6.00 to 8.00	4.00 to 10.00
	Papa Gontier	.... to	.... to	4.00 to 10.00	3.00 to 4.00	3.00 to 5.00
	Perle	2.00 to 6.00	1.00 to 6.00	4.00 to 10.00	3.00 to 5.00	3.00 to 6.00
	Souv. de Wootton	.... to	.... to	.... to	.... to	3.00 to 6.00
	ORCHIDS—Cattleyas	40.00 to 50.00	.... to	50.00 to 75.00	.... to	.... to ....
	Cypripediums	.... to 12.50	8.00 to 12.50	.... to 15.00	.... to	.... to ....
	Dendrobium formosum	.... to ...	.... to	25.00 to 30.00	.... to	.... to ....
Carnations	Inf'r grades, all colors	.75 to 1.00	.50 to .75	.... to .75	.75 to 1.25	.50 to .75
	STANDARD White	1.00 to 2.00	1.00 to 1.25	1.00 to 1.50	1.50 to 2.00	1.00 to 2.00
	STANDARD Pink	1.00 to 2.00	1.00 to 1.25	1.00 to 1.50	1.50 to 2.00	1.00 to 2.00
	STANDARD Red	1.00 to 2.00	1.00 to 1.25	1.00 to 1.50	1.50 to 2.50	1.00 to 2.00
	STANDARD Yel.&Var.	1.00 to 2.00	1.00 to 1.25	1.00 to 1.50	... to ...	1.00 to 2.00
	*FANCY— White	3.00 to 6.00	.... to 1.50	1.75 to 4.00	2.50 to 3.00	2.00 to 3.50
	*FANCY— Pink	3.00 to 6.00	.... to 1.50	1.75 to 4.00	2.50 to 3.00	2.00 to 3.50
	*FANCY— Red	3.00 to 6.00	.... to 1.50	1.75 to 4.00	2.50 to 4.00	2.00 to 3.50
	*FANCY— Yel.&Var.	4.00 to 8.00	.... to 1.50	1.75 to 4.00	2.50 to 5.00	2.00 to 3.50
	(*The highest grades of standard var) Novelties	10.00 to 15.00	2.00 to 3.00	2.50 to 4.00	.... to	.... to ....
	ADIANTUM	... to 1.00	.50 to .75	.75 to 1.00	.... to 1.00	.75 to 1.25
	ASPARAGUS	35.00 to 50.00	.... to 50.00	35.00 to 50.00	25.00 to 75.00	30.00 to 60.00
	CALLAS	6.00 to 8.00	.... to 8.00	6.00 to 10.00	6.00 to 10.00	10.00 to 15.00
	HYACINTHS	1.25 to 1.50	1.00 to 1.50	1.00 to 3.00	1.00 to 2.00	2.00 to 3.00
	LILIES	10.00 to 12.50	6.00 to 8.00	.... to	.... to	16.00 to 20.00
	LILY OF THE VALLEY	1.50 to 3.00	2.00 to 4.00	2.00 to 4.00	3.00 to 4.00	2.00 to 4.00
	MIGNONETTE—ordinary	2.00 to 5.00	1.00 to 2.00	1.50 to 2.00	1.50 to 3.00	1.50 to 3.00
	" fancy	6.00 to 8.00	.... to 3.00	3.00 to 4.00	.... to	3.00 to 6.00
	NARCISSUS	1.50 to 2.00	1.00 to 3.00	1.50 to 3.00	.... to 2.50	2.00 to 3.00
	SMILAX	8.00 to 10.00	10.00 to 12.50	12.00 to 16.00	12.00 to 25.00	10.00 to 15.00
	SWEET PEAS	1.00 to 1.50	.... to	2.00 to 3.00	.... to	.... to ....
	TULIPS	2.00 to 4.00	2.00 to 3.00	3.00 to 5.00	2.00 to 4.00	3.00 to 4.00
	VIOLETS	.35 to .60	.60 to .75	.25 to .50	.35 to .40	.50 to .75
	VIOLETS, special	.75 to 1.00	.... to 1.00	.75 to 1.50	.... to .60	1.00 to 1.25

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

BOSTON, MASS.
Asparagus Plumosus, Orchids, Mignonette, Brides, 'Maids, American Beauties
WELCH BROS.
PROPRIETORS
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Kaiserins, Meteors, Carnots, Violets, Valley, Carnations
Can furnish at short notice. Prices according to quality of goods. Long Distance Telephone, 2161 and 2071.

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UNTIL FURTHER NOTICE
This Establishment will be Open from 6 a. m. to 11 p. m.
AM. BEAUTIES and VALLEY Our Specialties.
1612-14-16-18 Ludlow St., PHILADELPHIA, PA.

We have a fine grade of everything in market at present. Send us a Trial Order and we will do the rest.
EDW. C. HORAN,
47 West 28th Street,
Telephone, 421 Madison Sq. NEW YORK.
Receiving Daily Fine PRES. CARNOT, KAISERINS, METEORS, BEAUTIES, Etc.
CUT FLOWERS AT WHOLESALE.

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51 WEST 28th ST.,
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CYCAS PALM LEAVES Always on Hand.

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Orchids. Roses. Carnations.
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ALFRED H. LANGJAHR,
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Always on Hand:
CARNATIONS, BRIDESMAIDS, BRIDES.
JOBBERS IN
FLORISTS' SUPPLIES
FLORISTS' VASES.
Horticultural Auctioneers.
84 HAWLEY STREET, BOSTON.

Headquarters in Western New York
—FOR—
ROSES, CARNATIONS
And all kinds of Seasonable Flowers.
GIVE US A TRIAL

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Consignments of First-class Stock Solicited.
Valley in quantity. Telephone connection.

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Wholesale Florist
32 South 17th St., PHILADELPHIA, PA.
Long Distance 'Phone, 1430 D.
Consignments of choice ROSES, CARNATIONS, VIOLETS solicited.
Fine VALLEY in stock at all times.

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Long Distance Phone 3-45-94 D. Philadelphia.
Consignments of Choice Valley and Roses Solicited.

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CHOICEST STOCK ALWAYS ON HAND.
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CONSIONMENTS SOLICITED.
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SEEDS= Finest Strains for Florists.
Send for our 1900 Catalogue, which contains among other seeds of merit, a complete list of the Standard and New SWEET PEAS.
Our new Florists' Catalogue is ready for delivery. If you have not received it, DROP US A CARD.
E. H. HUNT,
76-78 Wabash Ave., CHICAGO.

GEO. A. SUTHERLAND, WHOLESALE
CUT FLOWERS AND FLORISTS' SUPPLIES
No. 67 Bromfield St. and 18 Chapman Place, BOSTON, MASS.

ASPARAGUS PLUMOSUS NANUS CUT STRINGS, 8 feet long, 50 Cents per String. Shipped to any part of the country.
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McKELLAR & WINTERSON,
Wholesale Commission Jobbers
In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work.
45, 47, 49 WABASH AVENUE, - - CHICAGO, ILL.

...Wholesale Prices of Cut Flowers...

	Names and Varieties	Chicago Feb. 14, '00	St. Louis Feb. 12, '00	Cincinnati Feb. 13, '00	Milwaukee Feb. 12 '00	Pittsburg Feb. 12, '00	Toronto Feb. 13, '00
Roses	A. Beauty, fancy—special	50.00—60.00	....—50.00	....—	35.00—50.00	35.00—50.00	....—40.00
	" extra	35.00—40.00	....—25.00	....—	15.00—25.00	30.00—30.00	....—30.00
	" No. 1	15.00—25.00	12.50—20.00	....—	10.00—12.50	10.00—15.00	....—15.00
	" Culls & ordinary	6.00— 8.00	5.00—10.00	....—	4.00— 8.00	5.00— 8.00	....—10.00
	Bride, Maid, fancy-spec'l	....—10.00	....— 8.00	....— 8.00	....— 8.00	....—12.00	....—12.00
	" extra	....—	....—	....—	....—	....—	....— ....
	" No. 1	....—	....—	....—	....—	....—	....— ....
	" No. 2	6.00—	6.00—	6.00—	6.00—	4.00—	2.00— ....
	K. A. Victoria	....—	....—	....—	....—	....—	....— ....
	La France	6.00— 8.00	....—	....—	....—	....—	....— ....
	Meteor	6.00—10.00	6.00— 8.00	4.00— 8.00	6.00— 8.00	4.00—12.00	2.00—12.00
	Papa Gontier	....—	....—	....—	....—	....—	....— ....
	Perle	4.00— 6.00	4.00— 6.00	4.00— 5.00	4.00— 6.00	3.00— 6.00	2.00— 8.00
	Souv. de Wootton	....—	4.00— 6.00	....—	....—	....—	2.00—12.00
	ORCHIDS—Cattleyas	40.00—50.00	....—	....—	....—	....—	....—25.00
	Cypripedium	12.00—15.00	....—	....—	....—	....—	....— ....
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	Inf'r grades, all colors	.75— 1.00	1.00— 1.50	....— 1.00	1.00— 1.50	....—	1.00— 2.00
	Standard Varieties White	1.50— 2.00	2.00— 2.50	1.50— 2.00	1.00— 1.50	.50— .75	2.00— 3.00
	Standard Varieties Pink	1.50— 2.00	2.00— 2.50	1.50— 2.00	1.00— 1.50	1.00— 1.5	2.00— 3.00
	Standard Varieties Red	1.50— 2.00	2.00— 2.50	1.50— 2.00	1.00— 1.5	1.25— 1.5	2.00— 3 00
	Standard Varieties Yel.&Var.	1.50— 2.00	2.00— 2.5	....—	1.00— 1.50	1.25— 1.5	2.00— 3.00
	*Fancy— White	3.00— 4.00	....— 3.00	3.00— 4.00	2.00— 3.00	2.00— 3.0	3.00— 4.00
	(*The highest grades of standard var) Pink	3.00— 4.00	....— 3.00	3.00— 4.00	2.00— 3.0	2.00— 3.0	3.00— 4.00
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	Novelties	....—	....—	....—	....—	....—	....— ....
	Adiantum	.75— 1.25	....— 1.25	....— 1.00	1.00— 1.50	1.00— 1.25	.75— 1.00
	Asparagus	40.00—50.00	....—	....—	....—60.00	35.00—50.00	30.00—50.00
	Callas	8.00—12.00	12.50—15.00	....—10.00	10.00—12.50	....—	8.00—12.00
	Hyacinths	2.00— 4.00	2.00— 3.00	....— 2.00	....— 3.00	2.00— 3.00	2.00— 3.00
	Lilies	12.00—15.00	10.00—12.50	12.00—15.00	....—	15.00—20.0	....— ....
	Lily of the Valley	2.00— 4.00	....— 4.00	....— 4.00	....— 5.00	2.00— 4.00	2.00— 3.00
	Mignonette—ordinary	2.00— 3.00	....—	....—	....— 2.00	1.00— 2.0	....— ....
	" fancy	....—	....—	....—	....— 3.00	2.00— 3.0	....— ....
	Narcissus	2.00— 4.00	....— 3.00	2.00— 3.00	....—	2.00— 3.0	2.00— 4.00
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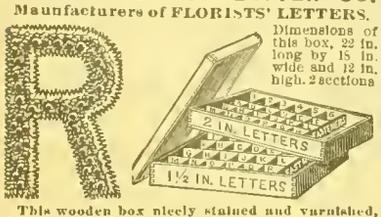

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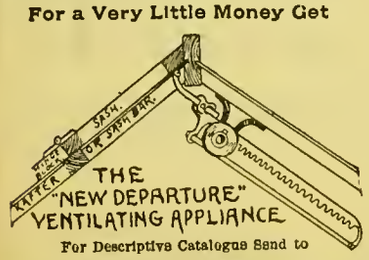

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Market News.

Business during the past week has not been very good. Roses are still scarce, but carnations, violets and bulbous stock have been a little in over supply, and a good many flowers were sold last Saturday at very low prices. The indications are better for this week. The roses coming in now are generally of good quality. The same may be said of carnations. Miller & Sons, of Bracondale, are sending in some fine samples of their new seedlings, which meet with a ready sale.

A Combination.

The Gardeners and Florists' Association have combined with the Horticultural Society for a carnation meeting on March 8. The commodious hall on Elm street has been engaged, and there is no doubt there will be a large meeting of the trade. Exhibitors sending carnation flowers should address them to Wm. C. Jay, secretary Gardeners and Florists' Association, Toronto, marking them "flowers for exhibition," and they will be carefully looked after and staged. The flowers should be shipped so as to arrive in Toronto not later than noon of March 8.

Annual Banquet.

The annual supper of the association was held at Webb's, on the 7th, and was probably the most successful we have had. About 60 members and their friends were present, and all enjoyed themselves splendidly. The decorations were arranged by E. Collins and L. Goodier, and were a credit to these gentlemen and the association. The orchid plants used came from Exhibition Park and Horticultural Gardens and Manton Bros.; the azaleas, palms and other decorative plants, from Exhibition Park, Horticultural Gardens and Jay & Son; and the cut tulips, carnations, valley, etc., from J. H. Dunlop and Jay & Son. The musical committee—Messrs. Grainger, Lawrence and Dunlop—put up a fine program. The speeches were nearly all short and to the point. The principal speakers, outside the members, were Alderman Geo. McMurich, the chairman of the Parks and Exhibition Committee; Alderman Leslie, Mr. J. R. Scoon, Dr. J. O. Orr and Dr. Hamilton; among the members, Wm. Jay, the president; John Chambers, E. Grainger, H. Simmers, George Mills, J. H. Dunlop and others.

T. M.

Louisville, Ky.

Trade News.

Business has been fair for a week past. Roses have been of good quality, but rather short in quantity. Carnations have been plentiful and of good quality, and the demand for them has been excellent. Violets have been plentiful and the call has been equal to the supply. Prices have remained very steady since the holidays.

News Items.

At the meeting of the Society of Kentucky Florists, on February 7, there were shown some extra fine flowers of the new carnation Olympia, grown and exhibited by E. G. Hill & Co.

Thos. F. Galvin, Boston, also sent some of the celebrated Mrs. Thos. W. Lawson carnation, but as they did not arrive in perfect condition they did not show up as fine as usual.

M. Renkauf, representing H. Bayersdorfer, and M. Escher, of Rice & Co., Philadelphia, were recent callers, as was also Mr. Stuart, of Evansville, Ind.

Messrs. Jos. Coenen, C. H. Kunzman and Jacob Schulz left Saturday for Cincinnati to view the carnations on display there. From Cincinnati they expect to go to Richmond, Indianapolis and Lafayette, Ind.

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Paterson, N. J.

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Best Fertilizer for Top Dressing.
Office, 207 Academy St., Factory, Seventh St., LONG ISLAND CITY.

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BEST AND Cheapest ALL-ROUND INSECTICIDE on the Market.

"ROSE LEAF" EXTRACT OF TOBACCO INSECTICIDE

For Sale by Seedsmen. For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.

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STANDARD FLOWER POTS!
Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2 in. pots in crate,	$4.88	120 7 in. pots in crate,	$4.20
1500 2¼ " "	5.25	60 8 " "	3.00
1500 2½ " "	6.00	48 9 " "	3.60
1000 3 " "	5.00	48 10 " "	4.80
800 3½ " "	5.80	24 11 " "	3.60
500 4 " "	4.50	24 12 " "	4.80
320 5 " "	4.51	12 14 " "	4.80
144 6 " "	3.16	6 16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.
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A. H. HEWS & CO.
NO. CAMBRIDGE MASS.
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Cal. Red Cedar and Louisiana Cypress.
BEST GRADES. PERFECT WORKMANSHIP.
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FOR GREENHOUSES, GRAPERIES, CONSERVATORIES, AND HOTBEDS.
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VANHORNE, GRIFFEN & CO.,
French and American Glass. 40 TO 48 VESTRY ST. COR. GREENWICH ST. NEW YORK.

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Standard Ventilating Machine
...HAS POSITIVELY NO EQUAL FOR...
STRENGTH, DURABILITY and NEATNESS.
Guaranteed for 10 years. Has a solid wheel and shaft cast in one (malleable iron). No slipping on Line Shaft as the case with all others. Catalogue free.
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Lehman's Wagon Heaters
Will protect Plants from freezing in the coldest weather at the cost of one-half cent per hour.

NO DANGER OF FIRE.
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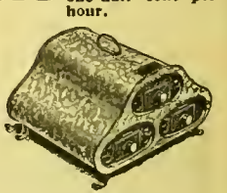

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IMPERIAL LIQUID PLANT FOOD
When used upon CARNATIONS growers find that they "have larger and finer flowers, with stiffer stems."

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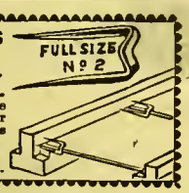

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One cent gets our Catalogue.

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Roller bearing self-oiling device automatic stop, solid link chain makes the IMPROVED CHALLENGE the most perfect apparatus in the market.

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CYPRESS SASH BARS

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Send for our Illustrated Book "CYPRESS LUMBER AND ITS USES."

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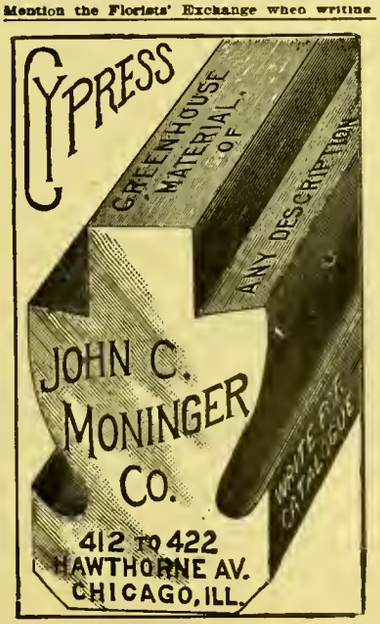

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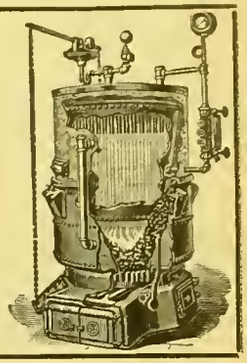

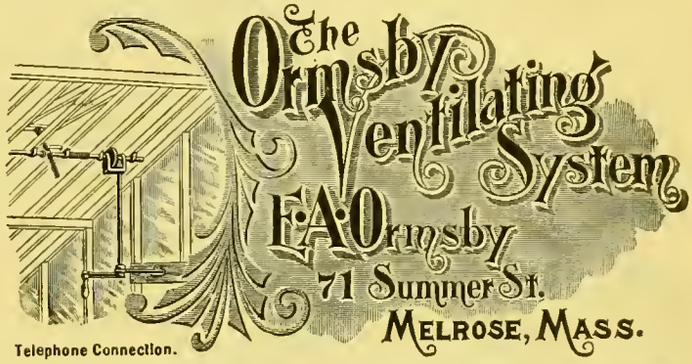

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Gulf Cypress Bars.

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GET OUR PRICES BEFORE BUYING **GREENHOUSE GLASS!**

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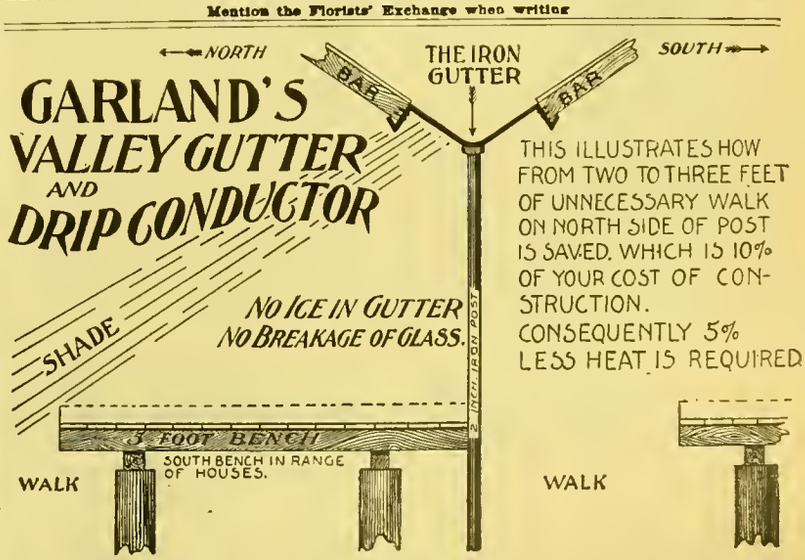

THIS ILLUSTRATES HOW FROM TWO TO THREE FEET OF UNNECESSARY WALK ON NORTH SIDE OF POST IS SAVED, WHICH IS 10% OF YOUR COST OF CONSTRUCTION. CONSEQUENTLY 5% LESS HEAT IS REQUIRED

FOR FURTHER DETAILS ADDRESS **GEO. M. GARLAND, Des Plaines, Ill.**

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TOBACCO INSECTICIDES.

Stems, fresh packed, bale or case of 300 lbs., $1.50.
Dust, fresh ground.....100 lbs., $2.25; 200 lbs., 3.50.
Extract.....gallon, $1.25; 5 gallons, 4.25.
Nikoteen.....$1.50 per pint; 5 pints, 7.00.
Soap.....30c. per lb.; 25 lbs., $5.00.

Full line of Insecticides and Appliances.
SEND FOR CATALOGUE.

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ANTHERICUM PICTURATUM, 3 inch pots $5 per 100; 4 in. pots, $8 per 100.
DRACÆNA INDIVISA 4 in. pots, $1 per doz.; 5 in pots, $1.50 per doz.
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Fan Palm Leaves

FOR DECORATING.

15-24 in. stems . . . . . per 1000, $4.50
24-35 " . . . . . " 6.30

FOR PREPARING.

15-24 in. stems . . . . . per 1000, $3.75
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Above prices are for **Cash with order** only. Low freight. 12 years' experience.

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Natural Palm Leaves.



WILD SMILAX
15 to 25 inch.
Get in your orders now for Palm Sunday and Easter.
Palm Leaves, crated, per 1000 $5 00.
Wild Smilax, 50 lb. crate, $1 25.
These prices f. o. b. here.
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P. S.—Palm Leaves and Smilax will be cut same day they are shipped, so as to be fresh; name time you want shipped.

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PREPARED TROPICAL PALMS AND CYCAS LEAVES



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Ostertag Bros., Florists,
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CLOSED PALM LEAVES are used in Churches on Palm Sunday. Orders taken now for shipment whenever desired. Small, 12-18 inches, $7.50 per 1000; large, 24-36 inches, $15 00 per 1000, f. o. b Orlando. Cash before shipment.

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Largest Stock in the Country.

All goodsup-to date and of superior quality. Write us for prices and other information. Our new catalogue sent on application to the trade only.

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Price on Application.

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DIRECT FROM NORTH CAROLINA.

Specially Equipped for Handling Large Orders.

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GERANIUMS OUR FOUR NEW SINGLE BEDDERS

Frances Horn. Petals deep carmine lake, center marbled white.
A. V. Gerbig. Bright apricot salmon, shading much deeper towards center; distinct white eye.
Cresco. Color a little lighter than the above, larger florets, 2 to 2½ inches in diameter.
Grandma Miller. Enormous truss, bright scarlet, with distinct crimson veins.
Strong plants, from 2½ in. pots, 25 cents. The 4 for 90 cents; $2.50 per doz.

C. H. GERBIG, - Archbald, Pa.

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DOUBLE PETUNIAS.

OVER 75 VARIETIES, NAMED.

I have the finest and largest collection in the country, an immense stock, and can fill all orders without delay.

Rooted Cuttings, $1.25 per 100.
Grandiflora, single, 100.

"I saw the bloom of M... double and single, and th... HENDE...

Heliotrope, 16 vars..... $1.50 "
Ageratum, Princess Pauline..... 1.00 "
Ageratum, White and Blue..... .75 "
Abutilon, 4 vars., R. C..... 1 50 "
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Moon Vines Smith's Hybrid Seedlings, which are the best varieties, transplanted, $2 00 per 100.

Cash with order, please.

GEORGE J. HUGHES, BERLIN, N. J.

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GERANIUMS

A few thousand left in 2½ in. pots at $30.00 per 1000; $3.25 per 100. S. A. Nutt, La Favorite, Richard Brett, Wilhelm Pfitzer, Mazet Delayas, J. M. Garr, Mrs. E. G. Hill, Wonder, Granville, Rev. Atkinson.

Mme. Salleroi, Geraniums, in soil, $1.50 per 100; $12.00 per 1000.

Also, Rose Geranium Cuttings, $18 00 per 1000; $2.00 per 100.

COLEUS, Crimson Verschaffeltii and Golden Queen, $7.00 per 1000, 75c. per 100; 2 in. pots, $1.50 per 100. Coleus in variety, $5.00 per 1000, 60 cts. per 100; 1¾ in. pots, $1.25 per 100.
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VINCAS, $1.25 per 100; $10.00 per 1000. 4 in. pot, $8.00 per 100; $70 per 1000. Fine plants.

The above are rooted cuttings, except when noted. Cash must accompany all orders.

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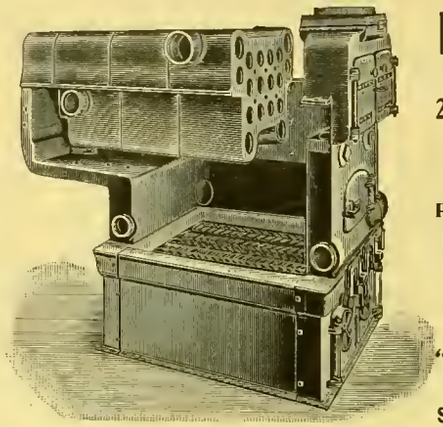
Horticultural Architecture and Building.



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Perfect Sash Raising Apparatus.
Roofhouses, Greenhouses, Etc., of Iron Frame Construction erected complete or the Structural Iron Work shipped ready for Erection.
Iron Frame Benches with the "Perfect Drainage Bench Tile" for Slate Tops.
Send 4c. Postage for Illustrated Catalogue

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NEW CAPE FLOWERS

"New" Enameled **POTCOVERS** superior to anything in the market. Any color you desire.

6 inch.....$3 per dozen
7 inch..... $4 per dozen
8 inch..... $5 per dozen
9 inch.....$6 per dozen
10 inch.....$7 per dozen
11 inch.....$8.25 per dozen
12 inch.....$10.00 per dozen

Stands to match 75 cents each.

A. HERRMANN, Manufacturer of Metal Floral Designs..... Importer and Dealer in Florists' Supplies,
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GOLD FISH Large or small (shipped safely by express), $5.00 per 100.
SILVER FISH Assorted sizes, $3.00 per 100.
FISH GLOBES Send for our Special Price List.
FISH FOOD.....per dozen boxes, 40 cts.
FISH GRASS...per dozen bunches, 50 cts.
TOBACCO STEMS Per bale, 250 lbs., $1.50.

H. G. FAUST & CO., 64 & 66 N. FRONT ST., PHILA., PA.

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FRUIT AND FLOWER PLATES

Seed Packets and Supplies of all kinds for NURSERYMEN, FflorISTS and SEEDSMEN
SEND FOR PRICE LIST.
Stock Cuts, 10c. per square inch. Engraving by all processes. Printing and lithographing.
Illustrated Catalogues a Specialty.

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PETUNIA SEED!

HENDER & SONS' famous English Petunias are well known the world over for the superior quality and color of their flowers. Also for their high percentage of double flowers.

We beg to offer same in original sealed packets, as follows:

Petunia Grandiflora **Single, striped,** trade pkts., 25c. and 50c.
Single, frilled, " 50c.
Double, fringed, " 50c. and $1.00

HARRY A. BUNYARD, 42 W. 28th St, Telephone 2065 Madison Square, N. Y. City.

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100 HARDY H. P. ROSES $10.

FRESH PALM SEEDS **Kentia Belmoreana.** Per 1000, $4.50. Per Case, 3500, $14.00.

MONSTER TUBEROSES 4½-6 inch. Per 100, $1.00. Per 1000, $7.50.

Send For Catalogue of Spring Bulbs and Plants.

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CLEARY & CO., Auctioneers, Announce a Most Interesting Sale of

JAPANESE HORTICULTURAL CREATIONS

A superb collection of **Dwarf Evergreens, Palms, Etc.,** and a grand assortment of **Flowering Cherries, Plums, Etc.,** suitable for forcing. Also a collection of antique Bronzes, Jardinieres, Screens, Etc., now on exhibition and for absolute sale by auction

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The trade most urgently requested to attend.
Catalogues on application.

CLEARY & CO., 60 Vesey St., N. Y. City.

The Florists' Exchange

We are a straight shoot and aim to grow into a vigorous plant.

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL.

Vol. XII. No. 8. NEW YORK, FEBRUARY 24, 1900. One Dollar Per Year.

CARNATIONS.

We offer Strong-Rooted Cuttings of ALL THE NOVELTIES OF THE SEASON and OTHER EXTRA CHOICE SORTS.

Mrs. Thomas W. Lawson. The celebrated $30,000 Carnation.
$14.00 per 100; $120.00 per 1000.

Olympia. A grand, fancy Carnation. While fully as large as MRS. GEORGE M. BRADT, or larger, it is said to produce 25 per cent. more flowers than that p pular variety.
$12.00 per 100; $100.00 per 1000.

The Marquis. This Carnation has had a phenomenal sale, and is without question the finest light-pink Carnation introduced up to this time. Those who have not ordered should place order without delay, if they wish early delivery. We have sold more of this variety than of all the others combined, which is an index of the esteem in which it is held.
$10.00 per 100; $75.00 per 1000.

Ethel Crocker. One of the best all-round pink Carnations ever offered to the trade.
$10.00 per 100; $75.00 per 1000.

Genevieve Lord. As a Carnation for retailing nothing can excel this variety, on account of its beautiful color—light silvery pink—and fine stem One of the very finest introductions of the season.
$10.00 per 100; $75.00 per 1000.

We can also supply all the best of the recent NOVELTIES and STANDARD SORTS as follows:—

	Per 100	Per 1000
G. H. Crane, General Maceo	$6 00	$50 00
General Gomez, Mrs. George M. Bradt	5 00	40 00
White Cloud, Gold Nugget, Melba	4 00	30 00
Mrs. James Dean, Mrs. Frances Joost, John Young, New York, Jubilee	3 00	20 00
Mayor Pingree, Flora Hill	2 00	15 00

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

ORDERS BOOKED NOW

In order of receipt, for Rooted Cuttings of the Famous....

Mrs. Thomas W. Lawson,

The $30,000 Queen of **CARNATIONS** FOR SPRING DELIVERY.

COMMENCING FEBRUARY 1st, 1900.

Prices:

Per dozen	$3
Per 100	$14
Per 1000	$120
Per 5000	$500
Per 10,000	$800

TERMS: Strictly Cash, or C.O.D. from Unknown Parties.

The quoted prices are for THE TRADE ONLY, and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower,

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

Thos. F. Galvin

124 Tremont St., BOSTON, MASS.

THE ADJECTIVE NEW

Correctly Qualifies Our Goods.

THEY ARE NOT A CONTINUATION OF FORMER YEARS.

The motive, the goods involved, the source from whence they came, and the conditions that regulate prices are wholly different.

"GET YOUR MONEY'S WORTH" and send for our Wholesale Catalogue of New Seeds, Bulbs and Plants, just issued.

MEASURED BY FORMER PRECEDENTS, as well as current standards, the values recorded therein are truly interesting.

As before said, we shall continue to appear in this corner each week, with our specials in NEW SEEDS, NEW BULBS and NEW PLANTS, **but our much appreciated phenomenal success and the steadily increasing business has forced us to put our many specials in book form.**

DON'T SEND FOR IT if you expect a book for adorning the parlor table.

Asparagus Plumosus Nanus.

Nothing will pay you better to grow—it can be put to so many uses—try a thousand seeds for $9.00; every one grows and makes a plant worth a quarter before Summer.

CLUCAS & BODDINGTON CO.,

342 WEST 14th STREET, Telephone 461 18th. **N. Y. CITY.**

Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS.

NEW CARNATIONS

We are now ready to take orders for Strong-Rooted Cuttings.

Mrs. James Dean Color clear silvery pink, delicate and chaste, yet brilliant and effective under all lights. Flower large, very full as season advances, and borne on long wiry stem, calyx perfect. Habit similar to Scott, with the same healthy glaucous foliage as Scott. About 6 inches taller than Scott. A free bloomer, but spreads its crop evenly over the blooming season. There is no healthier carnation grown, and we believe it to be the ideal light pink. The merit of this variety is conceded alike by growers, dealers and the flower-buying public. Has proved a prize-winner whenever shown this season as well as last. A fine, healthy carnation that every grower ought to succeed with. One of our favorites. To grow this variety to advantage take strong February struck cuttings; pot in 2-inch pots, shift to 3-inch as soon as needed, plant in field as early as is safe, pinch back every week only such shoots as distinctly show bud formation. Lift August 1st to 10th. Dont pinch back after lifting, save such shoots as show premature, short-stemmed buds, give lots of air and a temperature of 52 to 54 degrees at night. Syringe thoroughly once in 10 days with fine spray and strong pressure. Treated in this way it commences flowering with us October 1st and continues constantly till August. Giving nearly as many blooms as Scott. This is one of the best selling varieties grown, and we are not yet prepared to replace it by any variety of its class yet in sight **$3.00 per 100; $25.00 per 1000.**

White Cloud White, habit same as Daybreak, but taller, stronger, more vigorous and an earlier, freer bloomer. It commences blooming among the earliest, and throws a fine, long, stiff stem from the beginning and continues its crop through the season. Flower large, excellent form and finish, good substance and very full. Strong, fruity fragrance. Calyx strong and holds the full bloom well in hand. We consider this the best white we have ever grown. Our record of blooms cut the past season show it to be the most productive of all white carnations. This is distinctively a winter bloomer, and in the early fall months if fed highly before the plants are well established it will give many deformed buds. It needs to be well established and the cool weather of winter to bring it to perfection. The grandest white yet grown. **$4.00 per 100; $30.00 per 1000.**

Mrs. Geo. M. Bradt The most distinct, largest flower and most sought after fancy carnation yet out, blooms always sold ahead at the highest prices, ranging from $1 to $2 per dozen wholesale on the New York market; color clear white, heavily edged, and striped with bright scarlet; flowers enormous, very full, high rounded center; habit strong, vigorous, but dwarf enough for side benches; constant bloomer from early to late; unquestionably the best of all variegated carnations; this variety does not produce cuttings freely, consequently stock will always be scarce and high. **$5.00 per 100; $40.00 per 1000.**

25 at 100 rate; 250 at 1000 rate.

We have fine, large, healthy stocks, and will deliver only fine, strong, well-rooted cuttings.

Send your Orders Early.

C. W. WARD, MANAGER. **THE COTTAGE GARDENS, Queens, N. Y.**

PROCRASTINATION Is The THIEF OF TIME



NOTHING GAINED BY DELAYING YOUR ORDERS.

TUBEROSES. 1st Size, 4 to 6, $1 per 100; $7.00 per 1000.

CINNAMON VINES 1st Size, 50c. per doz.; $2.50 per 1000.

MADEIRA VINES. Extra Stroog, 50 cts. per doz.; $2.00 per 100.

CALADIUMS. Medium, $8.00 per 100.

ASTERS. Leading Varieties. Trade Packet, 25 cents.

LOBELIA. Crystal Palace Compacta. Trade Packet, 25 cts.

STOCKS. Early Forcing, ten weeks. Trade Pkt., 25 cts.

VERBENA. Mammoth. Trade Pkt., 25 cts.

Mention this paper. **WM. ELLIOTT & SONS,** 54 and 56 Dey St., N. Y.

SPRING BULBS.

Begonias Single Tuberous Rooted, Scarlet, Crimson, Rose, Salmon, Yellow, White and Mixed, per doz., 50 cts.; per 100, $3.00.

Gloxinias, extra choice mixed. 60 cts. per doz; $4.00 per 100.

Madeira Vines, 30c. per doz.; $2.00 per 100.

Caladium Esculentum (Elephant's Ear). 5x7 inch, 50 cts. per doz.; $2.50 per 100. 7x9 inch, 75 cts. per doz; $4.00 per 100. 9x11, $1.00 per doz.; $6.00 per 100.

Cannas, dormant roots, Dwarf French. $2.00 per 100.

SPRING SEEDS.

ASTER SEMPLE'S. In Pink, White, Lavender, Purple, Crimson, 15 cts. per package; 75 cts. per oz.

QUEEN OF THE MARKET, White, Crimson, Rose, Light and Dark Blue, 15 cts. per package; 60 cts. per oz.

Cobæa Scandens, 10c. a package; 40c. per oz.

Phlox Nana Compacta, Fireball, 25 cts. per package; $2.50 per oz. Snowball, 25 cts. per package; $2.00 per oz.

Salvia Nana Compacta, Bonfire, 25 cts. per package; $3.00 per oz.

Salvia Silver Spot, 25 cts. per package.

STUMPP & WALTER CO., 50 BARCLAY ST., NEW YORK.

Mention the Florists' Exchange when writing.

DOUBLE PEARL TUBEROSE BULBS

Sound, healthy stock, No. 1—4 inches up, at $1.00 per 100; $6.00 per 1000. No. 2—3 to 4 ins., 50 cents per 100; $3.00 per 1000.

CHAS. BLACK, Highlstown, N. J.

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WE ARE GROWERS AND FOUNTAIN SOURCE

OF FOLLOWING SPECIALTIES:

Lima Beans—Bush and Pole
Kentucky Wonder
Tall Germ'n Wax
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All other sorts Pole
Bermuda Grass
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Carrot
Celery
Lettuce
Onion
Parsnip
Radish
Salsify
Salt Bush
These New Vars.
California Giant
Braochlog Comet Asters
Centaurea Imperialis
Dianthus, Oriental Beauties
Masterpiece Pansy
Wioter Pioespple
Muskmelon
Chilian Watermeloo
Australian Brown Ooioo
Triumph Radish
Roselle, or Lemonade Plant
Asters, choice
Cosmos, choice Sweet Peas
Verbenas
Calls Bulbs, Freesias Bulbs
Seeds of all varieties of Acacias Cypresses Eucalyptus Palms Thujas
Muss Enseta
Camphor Tree
Grevillea
California Big Tree
California Redwood Tree, Etc.

Correspondence Solicited.

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ESTABLISHED 1802

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Our Wholesale Price List of

Choice Flower Seeds

FOR FLORISTS

is now ready. A post card will bring it to you. We have still on hand some of our

LILY OF THE VALLEY PIPS

The finest that come to this country; per 1000, $10.00. Cases of 3000 at $9.00 per 1000.

J. M. THORBURN & CO.

(late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

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"California Fantasies."

Perennial varieties, Splendid mixed. Saved from a **Splendid Collection** of New, Rare, Beautiful and Esthetic Flowers. 50 cts. per trade pkt.; $1.75 per ½ oz.

Send for Trade List of Seeds.

MRS. THEODOSIA B. SHEPHERD, Ventura-by-the-Sea, Cal.

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GERMAIN FRUIT CO.'S

California Grown Seeds.

SPECIALTIES:

Wax Beans, Lima Beans, Salt Bush, Bermuda Grass, Johnson Grass, Sweet Peas,
Cosmos, Verbenas, Asters, Tree and Shrub Seeds.
Onion, Lettuce, Celery, Carrot, Parsnip, Salsify.

Calla, Freesia, Amaryllis Bulbs, Pampas Plumes. Correspondence Solicited.

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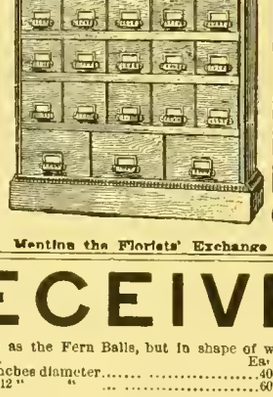

FITTED WITH HELLER'S STEEL SEED BOXES.

SEED CASE

Mice and Insect Proof. Send for Catalogue.

Montclair, N. J.

HELLER & CO.,

Mention the Florists' Exchange when writing.

FANCY CALADIUMS

Good Assortment in Light to Dark Shades.

List No. 1, 10 varieties, fine large tubers, $6.00 per 100.

List No. 2, very choice assortment, in 10 varieties, some of the best of the new Brazilian sorts, $10.00 per 100. Or 100 of each list, 20 named varieties, for $15.00.

OAK GROVE NURSERIES, Seven Oaks, Fla.

Mention the Florists' Exchange when writing.

EXTRA CHOICE FLOWER SEEDS.

List free on application.

FRED. ROEMER, SEED GROWER, Quedlinburg, Germany.

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DANISH CAULIFLOWER SEED.

Early Dwarf Danish Snowstorm, selected up by my grower for a quarter century. Always uniformly good, solid, large white heads and early.

No matter what you pay, you cannot get a finer strain. Oz., $2.50. Sample free.

Fringed Hollyhock, Allegheny, new, oz., $2.00. Prices on quantity on application.

A. E. WOHLERT, Importer, Altoona, Pa.

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Wholesale Seedsmen

14 & 16 Ninth Ave., NEW YORK.

411, 413, 415 Sansome St., SAN FRANCISCO.

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PALM SEEDS

FRESH ON HAND.

	100	1000	3000
Phœnix Tenuis	$0.75	$5 00	$13.50
" Pumila	1.00	8.00	22.50
Pandanus Utilis	1.25	10.00	27.50
Asparagus Plum. Nanus, true	1.25	9.00	26.50
" Sprengeri	.75	6.50	18.00

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Excelsior Pearl TUBEROSE Bulbs,

3 to 4 inches in circumference, per 1000, $2.50. Cash with order.

Caladium Esculentum Bulbs,

Sizes four to twelve inches circumference, live center shoot. Write for prices to

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Sweet Peas

Wholesale Catalogue on application.

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A LIMITED QUANTITY OF

SEEDS FOR SPRING SOWING

Separate colors. **Semples Asters,** Crimson, Lavender, Pink, Purple, White. **Betteridge's Prize Quilled,** Mixed, at $1.00 per oz. **Giant Branching Comet,** rose pink, white, white striped pink, $2.00 per oz. **Silver Tip,** blue and pink, per trade pkt., 25 cts. **Mignonette,** Allen's Defiance, 50 cts. per oz. **Golden Machet,** 25 cts. per oz. **Pure Machet,** 25 cts. per oz.

AMERICAN ROSE COMPANY, WASHINGTON, D. C

Mention the Florists' Exchange when writing.

Best Quality at Lowest Rates.

ROMAN HYACINTHS,

NARCISSI, FREESIA,

and other French Bulbs for forcing.

BERNARD SON, 29 Boulevard du Musée Marseille, France.

Bulb Grower and Exporter.

Established 1872. Bulbfields-Hyères, Ollioules.

WHOLESALE ONLY.

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VERBENA GRANDIFLORA.

The finest strain of Improved Giant Verbenas yet produced, largest flowers and best colors, good percentage white, per pkt., 800 seeds, mixed colors, 50 cts.

CYCLAMEN GIGANTEUM.

The choicest Giant-flowering varieties in best mixture, pkt., 200 seeds, $1.00; half pkt., 50 cts.

CHINESE PRIMROSE.

Best large, single and double, 500 seeds, $1.00

PHLOX DRUM. PUMILA.

New, very dwarf, perfect beauties, excellent for growing in pots for Spring sales, mixed colors, per trade pkt., 20 cts.

PANSY Finest Giant. Choicest mixed Mammoths, 3500 seed; $1.00; ½ pkt., 50 cts.

A pkt. of New Double Early-flowering Dwarf Vienna Carnation added to every order.

JOHN F. RUPP, Shiremanstown, Pa.

The Home of Primroses.

Mention the Florists' Exchange when writing.

FANCY-LEAVED CALADIUMS

	10	100
Bulbs 1½ to 2½ inches in diameter, 15 to 25 varieties	$2.50	$20.00
Bulbs, 1 to 1¼ inches in diameter, 6 to 8 varieties	1.50	12 00

The first size will make grand specimen plants or stock bulbs. No larger or finer are in the market.

LATANIAS and PHŒNIX.

	100
Latanias, 4 inch pots, 2-3 characterized leaves	$20.00
Latanias, 5 inch pots, 4-5 characterized leaves	30.00
Phœnix Reclinata, Canariensis and Pumila, 15-18 inches	20.00
Phœnix Reclinata, Canariensis and Pumila, 20-24 inches	30.00

Not less than 50 at above rates.

GRAFTED ORANGES and LEMONS.

	10	100
10 to 15 best varieties, 4 inch pots, 10-12 inches high	$2.50	$20.00
10 to 15 best varieties, 4 inch pots, 15-18 inches high	3.50	30.00
10 to 15 best varieties, 4 inch pots, 20-24 inches high	6.00	

	100	1000
1,000 Prairie Roses, very strong		$7.00
1,000 Moss Roses, " "		7.00
2,000 Hybrid Wichuraiana (Meads's),	5.00	$40.00

Quotations include packing.

P. J. BERCKMANS CO., Augusta, Ga.

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JUST RECEIVED

FERN WREATHS

Made same as the Fern Balls, but in shape of wreaths, suitable to hang up.

Size, 8 inches diameter	Each.	Doz.	100
" 10-12 " "	40c.	$4 50	$30.00
	60c.	6.00	40.00

FERN BALLS

9-11 inches diameter 75c. 8.00 60.00

	Doz.	100	1000
Asparagus Sprengeri Seed	15c.	$0.75	$6.00
" Plumosus Nanus Seed	15c.	1.00	8 50
Kentia Belmoreana or Forsteriana, due 1st of March	20c.	.70	5.00
Cocos Weddelinna	20c.	$1.00	$7.00
Pandanus Utilis	25c.	1.25	10 00
Latania Borbonica	10c.	.40	2.50

READY FOR DELIVERY—Caladium Esculentum, Fancy Leaved Caladiums, Cannas Dahlias, Gladioli, Tuberoses, Begonias, Gloxinias, Lilium Auratum, Rubrum, Album, Etc.,

SEND FOR OUR NEW LIST.

H. H. BERGER & CO., 47 Barclay St., New York.

Mention the Florists' Exchange when writing.

Florists' Tested Flower Seeds and Bulbs

ASTER Imp, Victoria, mixed, large trade pkt., 25c.; oz., $1.25. Florists' Special Mixture, large trade pkt., 25c.; oz., $1.25. Semple's True Branching, mixed, large trade pkt., 20c.; oz., 50c. Semple's Shell Pink, white and red in separate colors, large trade pkt., 25c.; oz., 75c.

AMPELOPSIS VEITCHII Per oz., 10 cents; per lb., 75 cents.

COSMOS Giant of California, large trade pkt., 10c.; oz., 40c.

COBAEA SCANDENS Large trade pkt., 10 cents; oz., 40 cents.

DOUBLE DAISY Choice mixed, large trade pkt., 30 cents; oz., $2.00.

LOBELIA Crystal Palace Compacta (true), large trade pkt., 25c.; oz., $1.50.

MIGNONETTE Best varieties for florists: Defiance, large trade pkt., 25c.; oz., $1.00; Machet, large trade pkt., 10c; oz., 40c.

NASTURTIUM Tom Thumb, mixed, per oz., 10c.; per lb., 45c.; per 100 lbs., $40.00. Tall Mixed, per oz., 10c.; per lb., 35c.; per 100 lbs., $30.00. Mme. Gunter, hybrids, per oz., 10c.; per lb., 90c.

SMILAX (New crop). Per oz., 35c.; per lb., $2.50.

TUBEROSES Choice Double Pearl. No. 1, $7.00 per 1000; 5000 at $6.50 per 1000. No. 2, $3.50 per 1000.

SEND FOR FLORISTS' WHOLESALE LIST.

JOHNSON & STOKES, Seedsmen, 217 and 219 Market St., PHILA., PA.

Mention the Florists' Exchange when writing.

CLEMATIS PANICULATA AND AMPELOPSIS VEITCHII

$10.00 to $70.00 per 1000. $35.00 to $50.00 per 1000.

We have the above in large quantities, 2 and 3 years old, field-grown.

GRASSES, $2.00 per 100. CAL. PRIVET, $12.00 per 1000.

Stock for transplanting. Shrubs in large quantities cheap. Send for wholesale list.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Mention the Florists' Exchange when writing.

CANNAS

The THREE BEST Solid Red CANNAS: BLACK PRINCE, $10.00 per 100; PHILADELPHIA, $4.00 a 100; DUKE OF MARLBOROUGH, $4.00 a 100.

BOSTON FERN Strong, 2½ inch, $5.00 per 100. | CRIMSON RAMBLER 3½ to 4 ft., $15 per 100.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.



Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Chicago, Ill., President; ALBERT McCULLOUGH, Cincinnati, First Vice-President; F. W. BOLGIANO, Washington, Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

H. J. Goemans and H. P. Hugenholtz, representing K. J. Kuyk, of Hillegom, Holland, arrived on S. S. "Lahn," February 15. Their New York address is care of J. Ter Kuile, 33 Broadway. J. H. Böckmann arrived Sunday last on the St. Louis.

Columbus, Neb.—The Western Seed & Irrigation Company, of Waterloo, Neb., has purchased a farm of 400 acres, near Monroe, for seed growing purposes. This is said to be the result of a favorable test made in growing seeds under irrigation.

Sun-Bleached Sheaves of Wheat.—In a case recently decided by the United States Circuit Court, sun-bleached sheaves of wheat, classified as natural flowers, were held to be entitled to free entry under the provisions of paragraph 566, act of 1897, for "textile grasses or fibrous vegetable substances, not dressed or manufactured in any manner, and not specially provided for."

New York.—James B. Kidd, formerly with J. M. Thorburn & Co., and later with the Sunset Seed & Plant Co., of San Francisco, is now with Wm. Elliott & Sons.

European Notes.

The snow reported last week has been followed by a sharp spell of frost, and as these notes are being penned the thermometer is registering from 20 to 30 degrees Fahr. below freezing point, with every probability of a continuance. As the snow that remained has been turned into solid ice the outlook for all but the very dwarf plants is very unpromising. Happily few if any Spring sowings have been made, neither has the work of Spring transplanting been begun, so that practically no harm has been done in this connection.

The cold spell has given a much needed spurt to the trade in boiling peas, Haricot and Lima butter beans. The former article has been practically taken out of the hands of the legitimate seed trade by speculating dealers. It is reported that some of these gentry are paying rather dearly for their experience.

The great demand for spinach from your side last year has caused growers, who are in a position to fairly guarantee early delivery, to advance their prices almost out of reach, and should the demand during the coming Fall be equal to that of last year, there will be some difficulty in filling orders, as the stock of first quality seed on hand is very limited. The most complete clearance of the season is cabbage, and it is doubtful if the stocks left over have been so small during the past twenty years.

We are accustomed to see the name of Eckford in American papers sent us by friends, when mention is made of the sweet pea, but an illustration of the maxim, "Westward the Star of Empire, etc.," is furnished by the fact that in an article on the Sweet Pea Bicentenary, published in an English variety journal named Tit Bits, the name and work of the American firm of Burpee is associated with the English celebrity.

EUROPEAN SEEDS.

BRIEFS FOR BUSY FLORISTS.

GERANIUMS.—The main batch of these are at present in 3-inch pots, and any that are large enough may yet have a cutting taken from them which will make a fair-sized plant by bedding out time. As a limited number can always be sold as pot plants it is well to set aside a number and grow on specially for that purpose. Take some of each variety, choosing the most forward plants; pot them into 4-inch pots, and if they have a little warmer location so much the better.

DOUBLE SWEET ALYSSUM does best from cuttings, and from the stock plants carried over the main crop should be taken this week, if this has not already been done. Cuttings of heliotrope also should go in without delay.

SEED may be sown of salvia, campanula, single dahlia, gaillardia, musa and nicotiana.

AS A FREE FLOWERING hardy perennial we can confidently recommend Rudbeckia Golden Glow. All who tried this last year were more than satisfied with it, and it should have a place in every garden, being a good subject either planted for effect or for cutting purposes.

SHOW PELARGONIUMS are about ready for their last potting, and, with this shift, a more liberal use of well-rotted manure in the soil will prove beneficial. Let the compost have at least one-fourth of manure in it; drain the pots well and pot the plants quite firm.

ASPARAGUS PLUMOSUS NANUS is one of the most useful greens we have for cut flower work, and in a good many instances is to be preferred over smilax. It is easily raised from seed and should be sown as early as possible now in order to have them large enough to plant in the bed during the coming Summer or Fall.

WHERE THERE IS A DEMAND for choice table plants for Summer use, fancy-leaved caladiums could be grown and sold very profitably. The bulbs should be potted in small-sized pots, using a coarse, well-enriched soil, and placed in a temperature of 65 degrees. When sufficiently started pot into larger pots, being particular to provide plenty of drainage, as they need lots of water. As growth develops they thrive best in a moist, warm atmosphere, and an occasional wetting down of the paths and benches is absolutely necessary.

MUCH is now being said about getting young carnations planted outdoors early and getting them back into the greenhouse early, some growers lifting as early as the beginning of July. Where the greenhouses are of modern construction and the modes of ventilating are perfect, this early housing is all right, but where old style houses prevail, it would be somewhat difficult to keep the temperature down low enough to suit the carnations during July and August. Have the young stock planted outdoors as early as possible by all means, but unless the houses can be perfectly ventilated it will be well to be a little chary about housing as early as the first of July.

Analysis of soils in order that the owner may know just how to return to the soil what was taken from it is impossible. The millennium of agriculture must come before that is possible.—DR. W. H. JORDON.

The American Rose Society.

Editor Florists' Exchange.

Having received many inquiries from your subscribers as to dues, etc., of the American Rose Society, brought forth by my appeal to growers of roses, it would confer a favor upon me, and I think do the cause much good, if you would publish the following information in your next issue:

The dues to the society are, for active membership, $3 per year; for life membership, $50 in one payment; for associate membership, $1 per year.

All that is necessary to become a member is to remit dues to John N. May, Esq., treasurer, Summit, Union Co., New Jersey; or to Leonard Barron, Esq., secretary, 136 Liberty street, New York. The latter will only be too glad to send the constitution and by-laws to any one asking for same.

Who will help us to keep the ball rolling?

BENJAMIN DORRANCE,
President American Rose Society.

CALIFORNIAN SEEDS

Contract Prices for 1900 Harvest on Application.

WHOLESALE ONLY.

PERRY WATSON & CO., SACRAMENTO, CAL.

Mention the Florists' Exchange when writing



OUR 1900

SPRING ISSUE

Book for Florists

Is now being mailed to our regular customers. It is overflowing with

"GOOD THINGS FOR THE FLORISTS."

If you don't get a copy, we shall be glad to send you one. A postal card will start it.

Asparagus Sprengeri. Per 100 seeds, 60 cents; 250 seeds, $1.25; 1000 seeds, $5.00; 3000 seeds, $13.50.

VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay St. CHICAGO: 84-86 Randolph St.

Mention the Florists' Exchange when writing.

TUBEROSES=The Pearl

Size, 4 to 6 inches circumference,

Per 1000, $6.50 Net.

CASH WITH ORDER.

HULSEBOSCH BROS., Englewood, N. J.

Mention the Florists' Exchange when writing.

CANNAS

Cash price per thousand, $10, $15, $20.

Lowest prices per hundred.

MIXED CANNAS Per 1000, $10.00.

40 varieties. List on application.

WILLIAM STUPPE, Hollis, L. I., N. Y.

Mention the Florists' Exchange when writing.

BUTTERCUP OXALIS

Bulbs will be ready for July delivery.

MAMMOTH.....$6.00 per 1000
1st SIZE..... 4.00 "
2d SIZE..... 3.00 "

California prices. On all orders of less than 1000 add 25 per cent.

CHAS. H. CAMPBELL, Richland, Cala.

Mention the Florists' Exchange when writing.

We are Headquarters for ROCKY FORD

Cantaloupe Seed. We Solicit Your Orders

BARTELDES & CO., Denver, Col.

Mention the Florists' Exchange when writing.

JOHN H. BÖCKMANN

Begs to announce his arrival in New York representing

H. ZIJP & CO.,

Bulb Growers and Nurserymen,

UITGEEST, HOLLAND.

Please address all correspondence up to the 10th of May care Messrs. Knauth, Nachod & Kühne, 13 William Street, New York City.

Mention the Florists' Exchange when writing.

VICK'S SEEDS

FOR FLORISTS.

All Home-Grown Seeds.

	¼ Oz.	Oz.
Aster, Vick's Daybreak, Pink	$1.50	$4.00
" " Purity, White	2.00	6.00
" Branching Comet, White	2.50	8.00
" Vick's Branching, in colors, White, Pink, Crimson and Purple, each	.25	.75

Trade List, also Garden and Floral Guide, now ready. Send for it.

JAMES VICK'S SONS, Rochester, N. Y.

Mention the Florists' Exchange when writing.

A Picture of the....



EXPANSIVE TREE PROTECTOR.

Absolutely prevents all worms and insects from crawling up fruit and shade trees. For agency, territory and prices, address

EXPANSIVE TREE PROTECTOR CO., ROCHESTER, N. Y.

Mention the Florists' Exchange when writing

NORWAY MAPLES.

1000 8 to 10 feet.
1000 6 to 7 "
700 4 to 6 "
700 3 to 4 "
100 1 to 2 "

IRISH JUNIPERS.

500 3 to 4 feet.
600 2½ to 3 "
500 2 to 3 "

10,000 Peach Trees, General Assortment

The Maple and Juniper will be sold at very low prices in order to close out.

C. L. LONGSDORF,
Oak Hill Nurseries, Flora Dale, Adams County, Pa.

Mention the Florists' Exchange when writing

CABBAGE PLANTS

Jersey Wakefield and other vars., from cold frames transplanted, 25 cts. a 100; $1.50 a 1000; $12.50 a 10,000 if by mail, add 20 cts. per 100.

LETTUCE Boston Market, Tennis Ball, Curled Simpson, Grand Rapids, and other vars., 15c. per 100; $1.00 per 1000; $8.50 per 10,000; if by mail, add 10c. per 100.

TOMATO Small plants for transplanting, in several varieties, 15 cts. per 100; $1.00 per 1000.

PEPPER Small plants for transplanting, in several varieties. 25c. per 100; $2.00 per 1000. If by mail, add 10c. per 100.

EGG PLANTS New York Improved for transplanting, 25c. per 100, $2.00 per 1000.

CELERY Golden Self Blanching and White Plume, 15c. per 100, $1.00 per 1000.

Other vegetable plants in season. Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

FUNKIA LANCIFOLIA GREENLEAFED.

A fine hardy bordering plant. The spikes of Lavender-blue flowers are nice for funeral work, $2.00 per 100; $15.00 per 1000.
EULALIA striated, $2.00 per 100.
PANSIES. $4.00, $10.00 and $12.00 per 1000.
HELIANTHUS MULTIFLORUS PLENUS, $2.00 per 100 strong pieces.
Will exchange for carnations or other stock needed. W. C. JENNISON, Natick, Mass.

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SURPLUS FOR SPRING 1900

Can yet do PEACHES and JAPAN PLUMS in limited quantity; also MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY, STRAWBERRIES from best leading varieties. Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.
ALEX. PULLEN, PROPRIETOR.

Mention the Florists' Exchange when writing.

100,000 PRIVET

	Per 1000		Per 1000
1½-2 ft.	$20.00	3-4 ft.	$35.00
2-3 ft.	30.00	4-5 ft.	45.00

Usual Assortment of ROSES, Including Crimson Rambler.

HIRAM T. JONES, Union County Nurseries,
ELIZABETH, NEW JERSEY.

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Bismarck Apple

DWARF.

Large stock, strong 3 year trees, also light plants for mail and express trade. Write for prices, stating grade and quantity required.

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AMERICAN ELMS

8 to 10 ft., 1 to 1½ in. caliper. 25 Elms, 6 to 9 in. caliper, fine specimens, well developed heads. Send for price list.

SAMUEL C. MOON, Morrisville, Bucks Co., Pa.

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Wholesale Growers. TREES AND PLANTS in full assortment. Trade Catalogue Free.

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THE STORRS & HARRISON CO., Box 936, PAINESVILLE, OHIO.
Leading American Nurserymen, offer one of the Most Complete Assortments of
FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.
46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

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OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogues on application. Send estimate of wants for prices.

THE WM. H. MOON CO., GLENWOOD NURSERIES, Morrisville, Pa.

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I HAVE A FINE STOCK OF PEARS, APPLES, CHERRIES, QUINCES, PEACHES, PLUMS, many in bearing sizes; 20,000 SHADE TREES, all kinds and sizes; 500 LINDENS, 10 to 16 feet; 300 GOLDEN OAKS, 8 to 16 feet; 15,000 EVERGREENS, 2 to 10 feet; 10,000 SHRUBS, 2 to 5 feet; 20,000 CALIFORNIA PRIVET, 2 to 4 feet; 2000 COLORADO BLUE SPRUCE, 2 to 4 feet; 3000 ARBOR VITÆ TREES, 2 to 7 feet; 10,000 HARDY ROSES, Crimson, Yellow and White Ramblers, x stroog, own roots; 1200 PURPLE BEECH, 4 to 9 feet; CLEMATIS, x-stroog, GRAPE VINES, ASPARAGUS, RHODODENDRONS, AZALEAS, 2 to 3 and 4 feet.
Florists, Landscape Architects, Superintendents of Parks, or any others wanting stock should call on me or write.

STEPHEN CRANE, Prop. Norwich Nurseries, Norwich, Conn.

Mention the Florists' Exchange when writing

TREES Fruit Trees, Small Fruits, including grapes, Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. Rochester, N. Y.

Mention the Florists' Exchange when writing.



(35) **Heating by Steam.**—1. I desire to heat by steam 1500 square feet of glass six houses 20 feet wide, 10 feet ridge, and all connected, even span. Stand exposed to all storms and wind. Will use 1¼-inch pipe underside benches, with plenty drop for returns. 2. What kind of boiler is the most economical? 3. Would not two be better, more economical and safer than one? I would like to use one during early Fall and late Spring and connect the second when needed. If two are used what grate surface would I need in each? My houses are to be used for palms and ferns.

—1. The question speaks of heating 1,500 square feet of glass, but as there are six houses 20 feet wide, I infer that the area should have been 15,000. 2. Some of the forms of tubular boilers will probably be more satisfactory. 3. For 15,000 square feet of glass it will be best to use two 20-horse power boilers, each of which should have about 15 square feet of grate, unless a night fireman is employed, when 12 would answer.—L. R. T.

(36) **Crippled Rose Shoots.**—I have two benches of Bridesmaid, old bushes, which are throwing out very strong shoots from the bottom; but quite a number of them are crippled by the time the rose is matured. I remove the crippled buds as fast as they come on the stem. Please tell me the cause of them being crippled?—J. G.

—We are unable to grasp just what the inquirer means by the shoots being crippled. If he means that the shoots die by the time the flower is matured, and that they become of no further use, seeing that the plants are in the benches two years the effect is no doubt caused by insufficient watering and feeding. Try a twice-a-week watering with liquid manure, and, when watering, at all times see that enough is given to wet every portion of the bench.

(37) **Drying Aster Flowers.**—The demand for prepared flowers is so small that we do not think it would pay any one to try and preserve asters so as to make them last for years. Fresh flowers are what the people want, and, as so many are growing these, any attempt to sell dried or cured flowers would prove a failure. We do not think your liquid would be profitably introduced to the trade, with respect to the asters, but if it is as effective on cycas or palm leaves there might be a field for it in that line.

(38) **Black Specks on Rose Leaves, etc.**—I submit herewith samples of rose leaves upon which there is a small deposit-like scale which has created some surprise and much comment among a few of our local growers who never saw it before and could not attribute its cause or suggest a remedy. As it may be of some interest to a few readers of your esteemed paper, I respectfully give details for what they are worth, so far as I know. On January 11 a mulch of fresh cow manure was applied to the bench of Bride and Bridesmaid, which were somewhat difficult to reach with liquid feed. On January 23 scaly deposit was first noticed on upper side of leaves, and by the following morning on both sides, and everything else in the house, even the woodwork, was covered and an increase was plainly noticeable. A spray of whale oil took no effect, so the mulch was removed and the house fumigated with tobacco. While some of the deposit remains, a decrease is now noticeable, and no perceptible injury seems to have resulted thus far.

I also send some young leaves from same rose bed which are yellow. The soil is rather light, and owing to construction of house, air has to be given very cautiously and sparingly, though lack of iron in soil has suggested itself as probably the cause. Whether or not this be true, could not a very suitable remedy and stimulant be found in liquid form of citrate of iron and ammonia? I have never heard of its use upon soils, and would be pleased to know your opinion of a cautious trial.—J. L. C.

—The black specks on the rose leaves sent in by J. L. C. in letter of February 9, are the sporangia or spore capsules of a little fungus known as *Pilobolus*, one of the black molds. This fungus is very common in manure, especially when fresh. The mulch of fresh cow manure which J. L. C. applied to his roses was undoubtedly the source of the trouble. The mold is very small and can be observed only by careful examination. It resembles slightly the black mold on bread. The little black spore-bearing heads are produced in the night, and during the day they are shot off from the mold threads with great force and stick to anything they may strike. They are sometimes thrown a foot or more from where they are produced. They can often be washed off by syringing the plants disfigured by the specks with water under a pressure of 25 to 30 pounds, or the trouble can be prevented by covering the manure with something which can catch the spores as they are thrown off. They do no harm to the plants which they strike except to disfigure them, but this is of course an important matter in crops which are to be marketed. The removal of the manure mulch is another remedy.

The yellowing of the rose leaves indicates starvation of the plants. This may be due either to lack of proper soil nourishment or to some injury of the roots which prevents them taking up the nourishment in the soil. We have observed the trouble often where excessive quantities of leaf mold have been added to the soil, or where the soil has been made too rich with quickly soluble chemical fertilizers. In both cases the young feeding roots are injured, thus causing starvation of the plant. It is very doubtful if the cause is due to lack of iron, but of course this may be the case. We would hardly recommend the use of citrate of iron and ammonia in this case. Iron sulphate would be better, and it should be applied in a weak solution—say one part of the sulphate to 100 parts of water, but the preferable method is to sprinkle the sulphate thinly over the surface of the ground.—ALBERT F. WOODS, Division of Vegetable Physiology and Pathology, U. S. Department of Agriculture.

(39) **Fly on Violets.**—The fly alluded to is undoubtedly one of the aphis family, and when once they have obtained foothold on a bench of violets are very difficult to get rid of. Hydro-cyanic gas is recommended, and used by many violet growers and it is sure death to the flies, but unless one is familiar with chemicals it is dangerous to handle. We believe that tobacco used persistently, that is, to fumigate every other day, will eventually rid the house of every green or yellow fly in it.

(40) **Carnation Buds Drying Up on Plants.** (W. A. H.)—An examination of the stems does not enlighten us as to the cause. It is the first case of the kind I have seen, and from merely seeing the stems would not like to pass an opinion. If one has not had a similar experience, or at least an opportunity of seeing it on the plants, he is not in a position to judge. The writer does not say whether it is merely a local case or is general with the plants. If the former, it will probably not amount to anything serious. If it is an isolated case I would advise that it be closely watched, and if there are any indications of its spreading, remove the affected plants, as well as those next to them, and burn them. Or, if the case is already general, try to think what all had been done them in the way of culture—applications of fertilizer or stimulants of any kind, etc. There must be a cause, and thought along this line is all I can suggest with the information at hand.—H. WEBER.

(41) **The Aster Beetle.**—This is evidently the aster beetle, and if Hammond's Slug Shot be applied to the plants with a bellows early in the morning, while the plants are wet with dew, the beetles can be kept down.

(42) **A Troublesome Insect.**—W. H. P.—The small white fly submitted is rarely found numerous in the greenhouse except where decayed leaves are allowed to remain and the atmosphere is kept too dry. We would suggest that the house be filled with vapor by wetting the heating pipes and creating steam twice a day for two or three days. The reason dipping the plants in tobacco water does not exterminate the fly is because as quick as the plant is touched the flies leave it, and the only way to get rid of them is by having the air discharged with moisture.

(43) **Consumption of Fuel.**—Is there any difference in the amount of fuel used when heating a rose house to a given

temperature, between running four or five pounds of steam and 12 or 14 pounds of steam, and which is the most economical? The boilers can carry 12 or 14 pounds with bottom and side doors closed.—SUBSCRIBER.

—The best results so far as coal consumption is concerned will be secured when a maximum of four to five pounds of steam is carried, and it is always best to have the piping sufficient to maintain the desired temperature with that pressure, except in extremely cold weather, when a pressure somewhat higher may be used to keep up the heat.—L. R. T.

NURSERY DEPARTMENT.

Plant Diseases in N. Y. State.—At the recent meeting of the Western New York Horticultural Society, Professor L. H. Bailey presented the following report on this subject:

Your committee on plant diseases is able to report that many of the most serious fungus enemies have been comparatively slight in New York during the year 1899, but there have been some serious incursions of special troubles.

The most widespread injury appears to have been caused by the pear blight, which seems to have been abundant in most parts of the state. It has been very destructive in many of the nurseries of western New York, thousands of the trees being ruined by it. The Idaho is one of the varieties which seems to be particularly bad in this regard, but there are other varieties which perhaps have been equally affected. Even pears and quinces have not escaped.

Peach yellows has been very prevalent in a few places, particularly in Niagara County. There does not seem to be the same sentiment demanding the destruction of affected peach trees, as there is for the destruction of blighted pear trees.

The disease known as "little peach" is apparently gaining headway in the peach areas of the Ontario shore.

The apple tree canker, which has been studied by one of your committee, Mr. Paddock, seems to be widely spread, and in some places is doing serious damage.

The black rot of grapes has been serious in a few localities of western New York.

The apple scab has done very little damage. Apples have been more free from injury, even when not sprayed than for some years.

The fruit rot of plums and cherries has also made comparatively slight injury. Cherries have been particularly free. The blight of potatoes, mildew of gooseberry, leaf curl of peach, and similar diseases have also been very slight in nearly all parts of the state. There are many complaints of serious difficulty with the black rot of cabbage and with the mildew of melons and cucumbers.

The past season's experience has emphasized again the great necessity of spraying with Bordeaux mixture. None of the newer compounds has made great headway, largely because they are injurious to foliage or do not adhere so long as Bordeaux mixture. One of your committee, Professor Beach, finds that the pure sulphate of copper solution, in the proportion of 1 to 1,000, materially injures the foliage of cherries. A solution of 1 to 3,000 shows little injury. At the Cornell Station, the effect of copper sulphate on foliage has been tested on apple, pear, peach, cherry, and the different types of plums. On all of these trees there was more or less injury when the copper sulphate was used as strong as four ounces to the barrel of water (48 gallons.) When lime was added, however, the injury was averted. All stronger solutions than four ounces to the barrel gave considerable injury. From the present experience it is doubtful if it is wise to advise the use of copper sulphate and water for application to trees which are in an active condition. Trees when are dormant can, perhaps, be treated with safety and efficiency.

Rose Growing With Chemical Fertilizers.

This is the title of a most interesting pamphlet—an extract from the Twelfth Annual Report of the Indiana Agricultural Experiment Station for 1898-9—in which Mr. Wm. Stuart, assistant botanist, gives in detail some experiments conducted by him, under the supervision of Dr. J. C. Arthur, in growing roses with chemical fertilizers. Following are Mr. Stuart's conclusions. Further details will be given in a future issue:

There is every reason to believe from the results obtained in the several experiments enumerated that chemical fertilizers when properly used may be made to serve every need of the rose plant so far as food is concerned.

The use of raw bone meal in every instance gave an increased yield over that of the control plants, as well as giving a greater percentage of gain than did those receiving other forms of phosphoric acid.

Pure bone meal is not injurious to rose plants, even when applied in amounts largely in excess of the requirements of the plant.

The acidulated bone meal which has been used by florists and supposed to be harmful did not produce any noticeable injury, even when used in large amounts.

As a rule, a combination of phosphoric acid and nitrate of soda gave better results than one of phosphoric acid and muriate of potash.

Two or three applications of potash during the season was found to be preferable to a single application, although in some instances no injury from the single application was apparent.

A larger number of Perle roses were produced from plants grown in a black than in a clay loam, while the Kaiserin gave reverse results.

The sub-watering method proved an efficient means of supplying the plants with moisture.

The only insects that were at all troublesome to the roses were thrips. These mites invested the young buds, being found safely ensconced between the unfolded petals of the flower. Their presence could always be detected in the opening of the bud, by the brownish discoloration of the injured petals. When the thrips were present in large numbers this injury was sufficient to cause the petals to adhere to each other and thus prevent the bud from expanding. During the first season they affected the plants but little, while in the succeeding two seasons they were present in large numbers on two or three separate occasions. Generally these visitations occurred during a long period of hot, dry weather. It must be remembered that the plants were in the open air most of the time, and at all times were subject to the prevailing atmospheric conditions.

Frequent spraying of the plants with a weak solution of Rose Leaf Extract of Tobacco, one part of the extract to 75 parts of water, proved efficacious. The spraying was done in the evening, and followed up in the morning by a hard syringing with water. Three or four applications were generally sufficient to destroy or drive away the thrips.

TREES! TREES!
Norway, Sugar and Silver Maples
Norway Spruce and Arbor Vitæ.
WM. J. CHINNICK, Trenton, N. J.
Mention the Florists' Exchange when writing.

EDWARD B. JACKSON,
WHOLESALE FLORIST
Hardy Herbaceous Plants Only
In any quantity, for the least money.
STAMFORD, CONN.
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IRISH and SWEDISH JUNIPERUS

	100	1000
6 to 9 inches, transplanted	$5.00	$40.00
9 to 12 " "	6.00	50.00
12 to 15 " "	7.00	60.00
15 to 18 " "	8.00	75.00
18 to 24 " "	10.00	
24 to 30 " "	13.00	
30 to 36 " "	15.00	
15 to 18 " Savea Juniper	6.00	

Rooted Cuttings, ready in May, $20.00.

ROSES Clean, healthy plants, from 2 inch pots. Prices and samples to buyers on application. Am. Beauty, Golden Gate, Niphetos, Perle, Sunset, La France, Albany, Wootton, Testout, Bride and Bridesmaid. One-year-old dormant pot-grown Wootton, $5 per 100

ISMENE CALATHINA White summer-blooming Amaryllis, strong bulbs, first size, $12 50; second, $10 00 per 100.

JOSEPH HEINL, Jacksonville, Illinois.
Mention the Florists' Exchange when writing.

Zebra Grass. Plants of 3 to 5 spikes each, at $2 50 per 100, $20 per 1000

JNO. S. KERR, Sherman, Tex.
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THE PINEHURST NURSERIES,
OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.

Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda nitida, Fothergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Chiltoria mariana, Dionæa muscipula, Lupinus diffusus, Phlox subulata, Sarracenias, etc., etc. Ask for Trade Lists.

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P. OUWERKERK
1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM
PÆONIES, BLEEDING HEART
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.
PRICES MODERATE.
Mention the Florists' Exchange when writing.

K. J. KUYK, Ghent, PLANTS.

K. J. KUYK, Hillegom, BULBS.

I BEG TO ANNOUNCE that my representatives, **Mr. H. Y. Goemans** and **Mr. H. P. Hugenholtz,** have started on their annual trip to the U. S. and Canada, to solicit orders from importers of PALMS, AZALEAS, ARAUCARIAS, SWEET BAYS, FICUS, ETC., and HOLLAND BULBS. The address of my representatives will be, up to May 15th, care Mr. J. TER KUILE, 33 Broadway, New York City.

A Splendid Stock for Spring and Fall delivery is On Hand.
Mention the Florists' Exchange when writing.

EASTER AND SPRING, 1900 Orders Filled and Booked Now for the Fall.

RHODODENDRONS $35.00 to $65.00 per 100.
LILACS in all varieties, for forcing, $45.00 per 100.
H. P. ROSES all true to name, $75.00 per 1000; $10.00 per 100.
CRIMSON RAMBLERS extra, $20.00 per 100.
AZALEA Mollis, from $25.00 to $35.00 per 100. Pontica, from $35.00 to $45.00 per 100.
PAEONIAS in variety, from $10.00 to $15.00 per 100.
SPIRAEA COMPACTA MULTIFLORA $4.00 per 100.
GLADIOLUS All colors, mixed, No. 1, $9 00 per 1000. All colors, mixed, No. 2, $7.50 per 1000. Light and white, $14.00 per 1000.
TUBEROSES, The Pearl 4x6, $6.50 per 1000.
GLOXINIAS ERECTA Extra, $40.00 per 1000.
TUBEROUS ROOTED BEGONIAS— Single, separate varieties, $25.00 per 1000. Double, separate varieties, $40.00 per 1000.

All varieties of LILIES on hand.

CYCAS REVOLUTA The true long leaf variety, will arrive in April. Write for special prices to

F. W. O. SCHMITZ, Jersey City, N. J
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AZALEAS FOR EASTER

Place your orders for Azaleas now, while we can still give you a full assortment of varieties in the following sizes:

	Inch Diam.	Per Doz.	Per 100
5 inch pots, bushy crowns, well set	10 to 12	$5.00	$40.00
5 and 6 inch pots, bushy crowns, well set,	12 to 14	6.00	50.00
6 and 7 inch pots, bushy crowns, well set,	13 to 15	9.00	70.00

ALSO A GRAND LOT OF SPECIMEN PLANTS OF
MME. VAN DER CRUYSSEN of exceptionally good value, at $1, $1.50, $2, $2.50, $3 and $5 each.



MISCELLANEOUS PLANTS FOR FORCING.

ACACIA ARMATA (Paradoxa), Nicely budded plants, from 5 inch pots, 50 cents each; $5.00 per dozen; $40.00 per 100.
AZALEA MOLLIS (Hardy Azalea), Finely shaped, bushy plants, covered with buds, 12 to 15 inches high, 50 cents each; $6.00 per dozen; $45.00 per 100.
DEUTZIA GRACILIS. A nice lot of bushy plants, suitable for 6 and 7 inch pots, $1.00 per dozen; $7.00 per 100.
LILACS FOR FORCING. Fine pot-grown plants, well set with buds, of the following varieties: Charles X, Marie Legraye and Mme. Lemoine, $6.00 per dozen; $45.00 per 100.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.
Mention paper.

FRUIT and ORNAMENTAL TREES, Shrubs, Vines and Roses.

Write for price list or send your lists of wants for special prices.

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CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

SITUATION wanted by young man as driver or on general greenhouse work. Henry Bauer, 385 East 10th St., New York.

SITUATION wanted by German florist, single, 27 years' experience in all branches, competent can take charge. M. P., care Florists' Exchange.

SITUATION wanted as gardener and florist, thoroughly experienced in the open and under glass, expert grower of ferns, palms and orchids. J. L., care Jackson, Florist, 151 E. 73d St., N.Y. City.

FIRST-CLASS decorator and maker-up wants situation; worked in England, France, Germany, New York, and now engaged in Pittsfield; can furnish references. Lars Goranson, 811 North St., Pittsfield, Mass.

GARDENER and florist, 32, single, 18 years' experience in first-class private and commercial places, understanding roses, carnations, violets, chrysanthemums and general stock, wants situation on private or commercial place; first-class references; well recommended by present employer, Albert Schultz. Mr. Paul Burgevine, Commercial Place, Port Chester, N. Y.

NURSERY FOREMAN.

Situation wanted as foreman on nursery, 20 years' experience, best references. M. M., care Florists' Exchange.

WANTED—POSITION.

First class landscape gardener; can project plans, surveying, leveling,; first-class handler of men; thorough knowledge of hardy trees and shrubs and every branch of horticulture; can produce irreproachable references as to character and ability.

M. Y., care Florists' Exchange.

SEEDSMAN

With practical experience of many years in seeds, bulbs, and all lines of the business, wants situation where a trusty man is needed in a store or to travel. Best of references.

M. T., care Florists' Exchange.

SITUATION WANTED

By thoroughly competent man in seed store, also good maker-up and first-class decorator. Best of reference. Address

M. V., care Florists' Exchange.

HELP WANTED.

WANTED, a young German florist and gardener; good home and steady place, boarding and room furnished by employer. M. R., care Florists' Exchange.

WANTED March 1, good all-around grower and propagator of general stock, especially roses; state wages and reference. J. E. Jackson, Gainesville, Ga.

WANTED first-class salesman familiar with all branches of the retail business. Address, with references, particulars and salary expected Room 65, Atlantic Building, Washington, D. C.

WANTED, a man that has had experience and is quick at planting Lily of the Valley crowns, in a forcing house. Apply with references and wages expected, to E. G. Asmus, West Hoboken, N. J.

WANTED a young man, German preferred, one who understands roses, carnations, violets, and general stock; must be sober and a good worker; wages $16.00 per month and board to start, permanent place. Answer to N. A., care Florists' Exchange.

WANTED—A good man to work in rose houses; one that is not afraid of it; must understand propagating and the general care of roses; must come well recommended; wages $9.00 to $10.00 per week, according to ability; steady job to the right man. A. R. Sampson, Summit, N. J.

WANTED—Working foreman to take charge; must be competent to handle men, and be thoroughly posted on growing of roses. Send names of former employers so I can look up record. Salary $75.00 per month. Married man preferred. Geo. Reinberg, 301 Balmoral Avenue, Chicago, Ill.

WANTED, for roses and general stock, a married man; wages, free house of five rooms and $10 per week; good references required; also an assistant for carnations, wages $5 per week, board and room. Give references. Address John Reck, Bridgeport, Conn.

WANTED at once, an experienced man, single, who understands the growing of general greenhouse stock, including roses, palms and ferns; must have experience in making up designs; one who is honest and willing to work; none need apply except those who can fill the position. Wages $25.00 to $35.00 per month and board. State experience and reference. Address Wm. A. Bock, North Cambridge, Mass.

Mention the Florists' Exchange when writing.

HELP WANTED.

RUBBER PLANTS.

Wanted, 500 small plants to grow on; state size and price. Address F., care Edgar Sanders, 1639 Belmont ave., Chicago, Ill.

GARDENER WANTED.

Experienced in grading, lawn making and planting, and familiar with growing nursery stock; state references, experience and salary expected. Elm City Nursery Co., New Haven, Conn.

SEEDSMAN WANTED.

A permanent position for young man with thorough knowledge of the seed business and first-class salesman; state wages, age, experience, etc.; half fare paid to suitable man. The Pacific Seed Company, Sacramento, Cal.

WANTED

At once, a single man to assist foreman in growing roses, and willing to do anything around the greenhouses; no one but a capable man need apply.

M. S., care Florists' Exchange.

MISCELLANEOUS WANTS.

WANTED to rent a small greenhouse establishment in good order, within reach of the N. Y. market; please state full particulars. Address M. K., care Florists' Exchange.

WANTED to rent, 6000 to 8000 feet of glass, with small dwelling house; must be in good condition and near New York. Richard Otto, 101 Third Avenue, first floor.

WANTED at once, lowest cash price for 12 boxes, 50 ft. each, of 12x12, double strength, second-hand glass, sound, square edges, and full corners, for putted roof. J. T. Savage, Hopkinsville, Ky.

BUSINESS OPPORTUNITIES.

FOR SALE—An old-established florist business in one of the best neighborhood of the West Side, New York City, doing a good business. Address M. W., care Florists' Exchange.

BUSINESS OPPORTUNITIES.

TO LEASE.—12 greenhouses, about 60,000 feet of glass, within 50 miles of New York City, filled with palms, roses, carnations and other miscellaneous stock; business established 17 years and will be leased to responsible party from April 1st, stock to be sold on inventory. Address John Young, 51 West 28th Street, New York.

FOR SALE or rent. Greenhouses and 8 acres of land, within five miles of center of Philadelphia, in an improving district; 45,000 feet covered with glass, steam heated, stocked with roses, carnations, asparagus, smilax, violets, etc.; 12-room dwelling, stable, 7 tenant houses. For further particulars address Evans' Rowlandsville Nurseries, Station F, Philadelphia, Pa.

SALE OR RENT.

Within 45 minutes of New York, modern greenhouses, 5,200 feet of glass, hot-water heating; stable with three rooms; six acres, high ground, fine residence property; fruit and garden. Room 144, 39 Cortlandt Street, New York.

FORECLOSURE SALE.

Tuesday, Feb. 27, 1900, at City Hall, New Rochelle, N. Y. Three large greenhouses, potting house and boiler room, fitted by Hitchings; dwelling, nine rooms two stories and attic, modern conveniences; two acres of land, 15 minutes from station. For further particulars apply in advance to F. A. Gundlach, 940 Columbus ave., New York.

MISCELLANEOUS.

TYPEWRITER for sale. First-class machine Address, Gardner & Son, Osage Nurseries, 125 N. 7th St., Osage, Iowa.

STEAM and hot water boiler for sale, as good as new; has been used less than one winter; good reason for selling. For price, etc., address Hopp & Lemke, Paul P. O., E. Grand Rapids Mich.

CATALOGUES RECEIVED.

H. WEBER & SONS, Oakland, Md.—Wholesale Price List of Novelties and Standard Varieties of Carnations, Chrysanthemums, etc. (Illustrated)

SLAYMAKER & SON, Dover, Del.—Catalogue of Strawberry, Raspberry and Blackberry Plants, etc.

J. L. DILLON, Bloomsburg, Pa.—Wholesale Catalogue of Plants, Rooted Cuttings and Cut Flowers. Verbenas and Carnations specialties.

BOWLING

St. Louis.—Florists' Bowling Club scores for February 19, 1900, were as under:

	1	2	3	4
F. C. Weber	153	113	127	132
C. A. Kuehn	139	161	146	175
J. W. Kunz	131	169	112	148
J. J. Beneke	163	130	125	156
C. C. Sanders	158	107	130	152
E Schray	..	113	115	134
F. J. Fillmore	..	110	117	114
A. L. Vaughan	159	190	145	137

Philadelphia.—On Friday, February 16, Florists' team rolled a match with the Century Wheelmen, and while we were beaten it was with honor. Century score, 3,107; Florists' score, 2,831. This was on regulation alleys. Each team now has won a match, and a third on neutral alleys will be arranged. D. R.

CHANGES IN BUSINESS.

OXFORD, MICH.—O. A. Stoll is now owner of the Oxford greenhouses, formerly belonging to H. J. Serrell.

LITTLE FALLS, N. Y.—Miss Holmes is moving her florist business to the store on Second street, recently vacated by the Crescent Cycle Company.

BROOKLYN, N. Y.—The greenhouses of the F. A. Schroeder estate have been sold to William Von Drothen.

STONEHAM, MASS.—M. W. Griffith has sold his business to E. H. Howland.

MARRIED.

Lexington, Ky.—Ollie Honaker and Miss Dora Morgan were married February 8 last.

William Bryson McCrea, Jr., formerly of Pittsburg, but now of Altoona, Pa., and Miss Bertha Miesse Barclay were married at the home of the bride's parents, February 16.

GREENHOUSE PLANT FOR SALE AT A BARGAIN



LOCATED in center of town 25 miles from New York City, and 4 miles from Long Branch, with superior train service.

Property consists of 3 acres of land in a high state of fertility. Twelve greenhouses (over 20,000 feet of glass) of the most improved style, heated by steam and in perfect condition—not a pane of glass out or anything out of order. A large ice house filled, a cold storage house 100 feet long, and a dwelling house. Complete water system with ample facilities for supply.

Houses are now filled with plants and are in full operation, and there is a large quantity of pots, potting soil, etc., on hand. Will sell property and stock with goodwill in large trade of ten years' standing in cut flowers and bedding plants, at a very low figure, or land and buildings alone.

Everything new and in perfect order. The greenhouses are adapted for growing either roses and carnations or plants for bedding purposes.

Reason for selling, ill health of owner.



For map of property and further particulars call upon or address **HENRY DECKER, Temple Court, NEW YORK**

GENEVIEVE LORD

The Peerless New Light Pink Carnation.

THE demand has been such that we are compelled to announce that stock for delivery prior to March 20 is all sold. Experts agree that it is the best selling pink yet produced. The color is just right, the ladies say, and they surely know. We know, too, that its stems are the grandest of any carnation, quite a factor, too, and more particularly so since it also possesses a size which entitles it to a place in the front row, an odor so sweet as to cause immediate notice, a growth and freedom of bloom which delights the grower; an individuality incomparably its own. This is a striking feature in any carnation, and Genevieve Lord possesses it to a greater extent than any other carnation; this is why it sells so readily and makes the demand for blooms far greater than the supply.

If you want this record-breaker in your list next winter, order at once. If you delay it may be too late.

PRICE, $2.00 per doz.; $10.00 per 100; $75.00 per 1000.

We can also furnish at introducers' prices all of the "big new ones."

Also Best NEW and STANDARD CHRYSANTHEMUMS.

Our Catalogue is now ready and will be sent to all who ask for it.

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

A Carnation Show.

The annual trade exhibition of novelties and standard varieties of cut blooms of carnations, roses and violets, will be held under the auspices of the Boston Co-operative Flower Growers' Association, on Saturday, March 3, 1900, at the large salesroom of the Flower Market, No. 1 Park street, Boston, Mass., at 10 a. m. The great success of these exhibitions has made it an annual event which is eagerly looked forward to by the members of the florists' craft throughout New England, and prospective investors now await this opportunity to see what they are going to invest in, while introducers of novelties are given a chance to meet personally and to exhibit their novelties to the lovers of well-grown flowers.

There is no better market in the country than Boston to take hold of a new thing. The growers in this vicinity are enterprising and mean to keep up with the times, a fact which can be substantiated by exhibitors in former years. So, if you are looking for business, send on your flowers, and the advertisement will reach every live florist in New England.

The Market Association has this year decided to give certificates, as follows: One for the best vase of carnations in the exhibition, whether a novelty or an established variety. Fifty blooms and foliage must be shown. For the most decided carnation novelty not yet disseminated; for the best cut flower novelty, outside of carnations; for the best vase of white carnation, 50 blooms; for the best vase of red carnation, 50 blooms; for the best vase of light pink carnation (lighter than Scott), 50 blooms; for the best vase of dark pink (Scott or darker), 50 blooms; for the best vase of crimson carnation, 50 blooms; for the best vase of variegated carnation, 50 blooms; for the best vase of yellow carnation, 50 blooms; for the best vase of roses (any color), 25 blooms; for the best vase of violets, 50 blooms.

The Committee of Arrangements is the same as last year:—Wm. Nicholson, ex-president of the American Carnation Society; Wm. Stickel, president of the Boston Co-operative Flower Growers' Association; John Walsh, manager of the Cut Flower Market; W. S. Phelps, Jr., of Hingham, secretary of the Committee.

Full instructions regarding the shipment, care and disposal of cut blooms can be had by addressing the secretary,

W. S. PHELPS, JR.,
Hingham, Mass.

VERBENA KING.



The largest Verbena grower in the world. Say, boys! we have them, too. None finer, the very best mammoth named vars. on earth at the following prices: 60 cents per 100; $5.00 per 1,000; 5,000 for $22.00; 10,000 for $40.00.

Write for prices on larger lots.

NOTICE—We pay the express on all rooted cuttings, and guarantee satisfaction in every way.

That cash, please.

C. HUMFELD,
CLAY CENTRE, KANSAS.

POINSETTAS

Dormant Stock.

We still have several hundred left, 1 year old, at $5.00 per 100. Cash with order.

CHAS. FRUEH & SONS, Saginaw, Mich.
1116 HOYT STREET.

Mention the Florists' Exchange when writing.

GERANIUMS

Alphonse Riccard, Poitevine, Pres. Dubois, Poirault, J. D. Cabos, Mme. Jaulin, E. G. Hill, L. Fages Chaplin, La Favorite, Nutt, Raspail Imp., John Doyle, etc., or mixed, 2½ in., $3.00 per 100.

Stocks, German, Ten-Weeks, white or mixed, 2½ in., $1.50 per 100. **Cinerarias**, for Easter, 3 in., $3.00 per 100. **Cannas**, Mme. Crozy, Charlotte, Paul Marquant, A. Bouvier, Burbank, $1.00 per 100. **Pansy**, Parisian, Bugnot, $3.00 per 1000.

Shellroad Greenhouse Co., Grange P. O., Balto., Md.

Mention the Florists' Exchange when writing.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing.

IMPERIAL VIOLET

Color—The darkest blue grown.
Form—The largest and most double.
Fragrance—Strong and lasting.
Health—The most vigorous.
Productiveness—Last season from 4000 plants I picked 281,700 No. 1 blooms; average per plant over 70; this year the blooms from November to February have averaged me $2.00 per 100, wholesale.

If you have got enough of raising run-out stock, weakened by unskillful methods of culture, get a stock of this magnificent strain, and my book on Violet Culture, and you can find out the possibilities of profit in growing a **GOOD** Violet.

You don't have to hunt a market for these flowers, it hunts you.

ROOTED CUTTINGS.

Price per **1000, $45.00**; per **100, $5.00**; per **Dozen, $1.00.**
500 at 1000 rate; 50 at 100 rate.

3000 now ready to take out of the sand, for immediate delivery. Address all orders to

W. L. MINOR, Violet Specialist,
No. 826 Belmont St., Brockton, Mass.

Mention the Florists' Exchange when writing.

CHICAGO CARNATION CO.,

The Great and Only Carnation Specialists

CUTTINGS NOW READY.

	Doz.	100	1000	Blooms
Genevieve Lord, the peer of any light pink carnation ever offered	$2.00	$10.00	$75.00	4c. each.
Chicago, scarlet Bradt	1.50	7.50	60.00	4c. "
Mrs. Lawson, cerise pink	3.00	14.00	120.00	
Olympia, variegated	2.00	12.00	100.00	
Ethel Crocker, pink	1.50	10.00	75.00	

	100	1000	Blooms
Mrs. Frances Joost, pink	$2.50	$20.00	3c. each
Mrs. James Dean, pink	2.50	20.00	4c. "
John Young, white	2.50	20.00	4c. "
White Cloud, white	4.00	30.00	4c. "
Mrs. Bradt, variegated	5.00	40.00	4c.
Gen. Maceo, crimson	6.00	50.00	4c. "
Gen. Gomez, crimson	6.00	50.00	4c. "
G. H. Crane, scarlet	6.00	50.00	4c. "
Gold Nugget, yellow	2.50	20.00	4c. "

	100	1000	Blooms
Argyle, carmine	$2.50	$20.00	4c. each
Jubilee, scarlet	2.00	15.00	4c. "
Armazindy, variegated	2.00	15.00	2c. "
Evelina, white	2.00	15.00	2c. "
New York deep pink	2.00	15.00	2c. "
Wm. Scott, pink	2.00	15.00	2c. "
Victor, pink	2.00	15.00	2c. "
Daybreak, light pink	2.00	15.00	2c. "
Flora Hill, white	2.00	15.00	3c. "

CHICAGO CARNATION CO., Greenhouses and Address, JOLIET, ILL.

Mention the Florists' Exchange when writing.

VIOLETS—Princess of Wales

The only Violet to grow; strong rooted cuttings, $1.00 per 100.

EVENDEN BROS., Williamsport, Pa.

Mention the Florists' Exchange when writing.

NEW CROP WINTER-BLOOMING

Carnation Seeds!

Hand Fertilized, 25c. per 100. Cash with order.

AMERICAN ROSE CO., Washington, D.C.

Mention the Florists' Exchange when writing

CARNATIONS

Rooted cuttings now ready of the following kinds: FLORA HILL, $1.25 per 100. WHITE CLOUD, $2.50 per 100. JOHN YOUNG, $2.00 per 100. TRIUMPH, $2.00 per 100. DAYBREAK, $1.25 per 100. JUBILEE, $2.00 per 100. ELDORADO, $2.00 per 100. EVELINA, WM. SCOTT, LIZZIE MCGOWAN, and NIVEA, each, $1.00 per 100.

S. LITTLEFIELD, North Abington, Mass.

Mention the Florists' Exchange when writing

Rooted Cuttings of New and Standard

CARNATIONS.

SEND FOR PRICE LIST.

WM. SWAYNE, Kennett Square, Penn.

Mention the Florists' Exchange when writing

ROOTED CARNATIONS CUTTINGS

WHITE CLOUD and FRANCES JOOST, $2.25 per 100; $20.00 per 1000,

DAYBREAK, SCOTT, { Fine Healthy Stock, $1.25 per 100; $10.00 per 1000.

N. WESTON & BRO., Hampstead, L. I., N.Y.

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS.

Wm. Scott	per 1000, $10 00
Mande Adams	per 100, 3 50
Mrs. F. Joost	per 100, 2 50
Lady Emma	per 1000, 12 50

Unrooted at half price.
Write for prices on large lots.

CHARLES LENKER, Freeport, L. I.

Mention the Florists' Exchange when writing.

SOUTHERN FLORISTS

Plant Southern-Grown CARNATIONS.

20,000 Rooted Cuttings. 15,000 2-in. Pot Plants.

For Sorts and Prices write to

SOUTHERN NURSERY, San Antonio, Tex.
BOX 328.

Mention the Florists' Exchange when writing

Rooted Cuttings—Carnations

Gomez, Maceo, Jubilee, White Cloud, Flora Hill, Daybreak Scott, McGowan, Portia, Eldorado and Anna Webb.
WRITE FOR PRICES.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

CARNATIONS

Daybreak, $2.00 per 100; $15.00 per 1000.
Wm. Scott, Genesee, Evelina, Portia and **Bon Ton**, $1.50 per 100; $10.00 per 1000.
Victor, $1.50 per 100; $12.00 per 1000.
Alma, Rose Pink, new, $5.00 per 100; $40.00 per 1000.
F. Hill, $1.75 per 100; $15.00 per 1000.
White Cloud, $2.50 per 100; $20 per 1000.
Jubilee, $2.00 per 100; $15.00 per 1000.

FERNS FOR DISHES.

Strong, 2 and 2½ in., $3 per 100; $27.50 per 1000.
Maranta Massangeana (will sell your fern dishes). $5.00 per 100; $40.00 per 1000.

C. MERKEL & SON, Mentor, Ohio

Mention the Florists' Exchange when writing.

CINCINNATI IS HEADQUARTERS FOR CARNATION CUTTINGS

We have them in both Quality and Quantity. 200,000 in Sand and Soil. To back us up in what we say send a list of your wants and let me price it. Wholesale List ready.

WM. MURPHY, Carnation Specialist, Station F, CINCINNATI, O.

Mention the Florists' Exchange when writing

"NEW CARNATION ESTELLE"

Certificated by A. C. S., Chicago, and at Cincinnati.

A bright illuminating scarlet, of excellent form; stem strong and stiff, holding flower gracefully erect, a little short, same as Tidal Wave, after lifting, but attains a height of 12 to 16 inches by December. **A Free, Early, Continuous Bloomer.** Stock limited, and cuttings are all sold for Feb. to March 15 delivery. } Price, $10 a 100; $75 a 1000.

Ethel Crocker. Genevieve Lord, $10.00 per 100; $75 00 per 1000. **Olympia**, $12.00 per 100; $100 per 1000. **Thos. W. Lawson**, $14.00 per 100; $120 per 1000. **America, Crane, Gomez** and others.

Send for Price List. NOTE.—Our address has been changed to Station F, Cincinnati, Ohio.

R. Witterstaetter **Station F, Cincinnati, Ohio.**

Mention this paper.

BASSETT & WASHBURN,

76 and 78 Wabash Ave., CHICAGO, ILL.

ROOTED CUTTINGS, ROSES AND CARNATIONS.

Get new blood in your Roses and secure what you want from grafted stock. Our cuttings this year are made from grafted plants and none but the best wood will be used.

BRIDES, Per 100, $1.50. BRIDESMAIDS, Per 100, $1.50. METEORS, Per 100, $1.50

CARNATIONS.

WHITE	Per 100	Per 1000
Flora Hill	$1.50	$10.00
Mary Wood	2.50	20.00
White Cloud	2.50	20.00
PINK		
Triumph	$2.50	$20.00
Frances Joost	2.50	20.00
Daybreak	1.50	10.00
DEEP PINK		
Leslie Paul	$5.00	$45.00
Cerise Queen	2.50	20.00
Painted Lady	2.50	20.00
YELLOW. Gold Nugget	$2.50	$20.00

STRIPED WHITE and RED	Per 100	Per 1000
Mrs. Bradt	$5.00	$40.00
Psyche	1.50	10.00
Armazindy	1.50	10.00
RED		
Red Mrs. Bradt	$10.00	$75.00
Jubilee	2.00	15.00
America	5.00	45.00
G. H. Crane	5.00	45.00
MAROON. Empress	$2.50	$20.00

BASSETT & WASHBURN, 76 and 78 Wabash Ave., CHICAGO

Mention the Florists' Exchange when writing

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000
Mrs. Lawson	$14 00	$120 00
G. H. Crane	5 00	
America	5 00	40 00
White Cloud	2 50	20 00
Frances Joost	2 50	20 00
Triumph	2 50	20 00
Evanston	2 50	20 00
Jubilee	2 00	15 00
Gold Nugget	2 00	15 00
Mrs. McBurney	2 00	15 00

	Per 100	Per 1000
Flora Hill	$1 25	$10 00
Daybreak	1 25	10 00
Argyle	1 25	10 00
Armazindy	1 25	10 00
Lizzie McGowan	1 00	7 50
Evelena	1 00	7 50
Mayor Pingree	1 00	7 50
Painted Lady	1 00	7 50
W. Scott	1 00	7 50
Tidal Wave	1 00	7 50
Morella	1 00	7 50

ROSES.

	Per 100	Per 1000
American Beauty	$3 00	$25 00
La France	2 00	17 50
Perle	1 50	12 50
Meteor	$1 50	$12 50
Bride	1 50	12 50
Bridesmaid	1 50	12 50

Stock to be first class and to be sold under the conditions that they shall be returned immediately if not satisfactory. Special Prices on large lots. Address

GEORGE REINBERG,

Mention this paper. 51 Wabash Avenue, CHICAGO, ILL.

Rooted Cuttings of Carnations

NOW READY

Jubilee, White Cloud, New York, and all standard varieties. Write for prices.

VIOLETS Orders booked now for rooted cuttings. If you want the best stock obtainable give us your order now for April delivery and you will get the best.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

New Seedling Carnation **MICHIGAN**

Cuttings Ready Now. Per 100, $6; per 1000, $50.

Color dark red, a seedling from McGowan, freer than Scott and blooms the whole season through, from time of planting in until thrown out. Stem wiry and from 15 to 24 inches long. Foliage dark green and healthy, the cuttings easy to root and the plants easy to lift in the Fall.

Dracaena Indivisa 4 and 4½ in. pots, to close out, $10 to $12 a 100. Cash with Order.

A. R. WALKER, - Flint, Michigan.

Mention the Florists' Exchange when writing

ROOTED CUTTINGS

OF CARNATIONS.

Both new and old varieties at lowest prices for good stock. Special rates on orders booked for future delivery. Satisfaction or money refunded. Send for price list.

GEO. A. RACKHAM, 880 Van Dyke Avenue, DETROIT, MICH.

Mention the Florists' Exchange when writing.

THE NEW PINK CARNATION

"Mrs. Bertram Lippincott."

SCORED 86 POINTS

and secured the CERTIFICATE OF MERIT at the Carnation Growers' Convention, held in Buffalo, Feb. 15 and 16, 1900.

We are still booking orders for immediate delivery of fine, healthy rooted plants, as long as the stock lasts.

Order at once if you want the **VERY BEST LIGHT PINK** Carnation now on the market. The grower (Mr. Kuhn) may not have enough to go around judging by the demand.

$10.00 per 100; $75 per 1000.

25 and over at 100 rates; 250 and over at 1000 rates.

FOR SALE ONLY BY

HENRY F. MICHELL,

1018 Market St., PHILADELPHIA.

Mention the Florists' Exchange when writing.

Commercial Violet Culture

Price $1.50. Send for Prospectus.

Well Rooted **Carnation Cuttings**

Strictly first-class stock, from our own greenhouses.

Wm. Scott, Edith Foster, Daybrenk, Freedom ..... $1.00 per 100.
Mrs. Frances Joost ..... $2.50 per 100.
Flora Hill ..... $1.50 per 100.

Ready now. Orders booked for future delivery from sand or soil.

N. F. McCARTHY & CO., Boston, Mass.

84 Hawley Street.

Mention the Florists' Exchange when writing.

20,000 Wm. Scott CARNATION CUTTINGS

Must be sold to make room, at $6.00 per 1000 or 4000 for $20.00. **Mrs. Joost,** $2.50 per 100, $20.00 per 1000. **Melba,** $3.00 per 100, $25.00 per 1000. **Flora Hill, Victor, Daybreak,** $1.25 per 100, $10.00 per 1000. **Mayor Pingree,** $1.00 per 100, $7.00 per 1000.

DOUBLE PETUNIA Strong plants, to 3 in. pots, $3.00 per 100.

GERANIUMS Mixed, 3 inch pots, $3.00 per 100.

Cash with order.

CARL E. TAUBE, Trenton, N. J.

MERCER FLORAL CO.

Mention the Florists' Exchange when writing.

Ethel Crocker

Absolutely the best Pink CARNATION ever offered the Trade.

A fact fully borne out by its record, being equally good with Craig, Hill, and myself. (An assurance that it is not a success in one soil and a failure in another.) By its having been shown at the Flower Shows and Clubs since early in September. (An assurance that it is not a good late carnation, but an all season variety.)

In color, size, fragrance and stem it is just what the "storemen" want.

In habit, constitution and freedom of bloom, it is just what the grower wants. It produces more flowers to the square foot than any other known variety, and is never out of crop from September to July.

With 18,000 stock plants to work from there is no danger of it being over-propagated, and all orders intrusted to me will be filled with cuttings selected from the plants and the order filled by myself, thus doubly assuring good stock.

Honest sample blooms furnished, prepaid, at $1.00 per dozen. Amount deducted from all orders for 100 or over. Up to date, every sample excepting one out of several hundred sent, has brought an order.

PRICE—Per 100, $10.00; per 25, $2.50; per 1000, $75.00; per 250, $18.75.

☞ **PRICE LIST FOR STANDARD VARIETIES READY NOW.**

HERR'S PANSIES—Good little plants at 75 cts. per 100; $4.00 per 1000.

ALBERT M. HERR - - Lancaster Pa.

Mention the Florists' Exchange when writing.

CARNATIONS

Large Stock of Strong Rooted Cuttings Now Ready.

G. H. CRANE, MORNING GLORY, MACEO, GLACIER, GOMEZ, AMERICA, RED MRS. BRADT (or Chicago), MARY WOOD and other good standard sorts.

MRS. GEO. M. BRADT for March delivery—all the early stock sold.

FIVE 1900 NOVELTIES.

MRS. THOS. LAWSON, ETHEL CROCKER, THE MARQUIS, OLYMPIA and GENEVIEVE LORD. At introductory prices.

We make a Specialty of Rooted Cuttings, and have three houses of stock growing for that purpose only.

Send for Descriptive Price List.

F. DORNER & SONS CO.,

LAFAYETTE, IND.

Mention the Florists' Exchange when writing.

Carnation Cuttings.

	Per 100
MRS. LAWSON	$14.00
G. H. CRANE	5.00
AMERICA	3 00
MELBA	3.00
LESLIE PAUL	3.00
GOV. GRIGGS	3.00
MRS. BRADT	3.00
FRANCES JOOST	2.50
EVANSTON	2.50
JUBILEE	2.50
VICTOR	2.00
WHITE CLOUD	2.50
FLORA HILL	2.00
GOLD NUGGET	2.00
TRIUMPH	2.00
DAYBREAK	1.25
ARGYLE	1.25
ARMAZINDY	1.25
LIZZIE McGOWAN	1.00
EVELINA	1.00
MAYOR PINGREE	1.00
WM. SCOTT	1.00
NIVEA	1.00
MORELLO	1.00

10 PER CENT. DISCOUNT ON THOUSAND LOTS.

Rose Cuttings.

METEOR	per 100,	$1.50
BRIDESMAID	"	1.50
PERLE	"	1.50
BRIDE	"	1.50
GOLDEN GATE	"	2.50

Write for prices on large lots.

All plants and cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded. Write for prices on larger lots.

PETER REINBERG, 51 Wabash Ave., Chicago.

Mention the Florists' Exchange when writing.

ROOTED

CARNATION CUTTINGS.

	Per 100	Per 1000
ETHEL CROCKER	$10 00	
AMERICA	5 00	$40 00
G. H. CRANE	6 00	50 00
FLORA HILL	1 50	10 00
WHITE CLOUD	3 50	30 00
MRS. JOOST	2 50	20 00
DAYBREAK	1 50	10 00
VICTOR	1 50	12 50
BRADT	5 00	40 00

GRAFTED ROSES

LIMITED STOCK.

H. F. LITTLEFIELD, Worcester, Mass.

Mention the Florists' Exchange when writing.

American Carnation Society.

NINTH ANNUAL MEETING.

Buffalo, February 15 and 16, 1900.

Continuation of Report.

Owing to the shortness of time at our disposal, and the distance from seat of action, we were able only to furnish a short summary of the society's proceedings in last week's issue. Following is a detailed report of the most important matters, that came up for discussion:

Sub-Irrigation.

Fred. Dorner, Jr., Lafayette, stated that he had tried sub-irrigation on a bench about 125 feet long and 4 feet wide, with the object of getting a good test. He found that some varieties would do better and others not as well as those grown in the ordinary way. Gold Nugget was about equal to those that were planted in the old style bench. Crane was not as good as those planted in the old way, while Bradt gave a larger flower and a stiffer stem, and seemed to be improved. A bench of Morning Glory appeared to be somewhat better than in the old style bench; the flowers were larger and the stem longer, and the plants seemed to make a nicer growth. Maceo was also better on the sub-irrigated bench. The only thing one had to be careful about was over-watering, which could be easily done. Considering the cost and the trouble of putting in sub-irrigation, Mr. Dorner did not think he would do any more with it.

W. Weber, of Oakland, Md., had the past Summer made a bench of brick and cement. It was too late to give it a good test. The bench was not planted until the latter part of October; the results, so far, considering everything, have been very good, but not sufficient to warrant an extension of the system. He expected to plant a bench in August the coming year and see what could be done.

Mr. Rudd—I spoke on this subject a year ago. We had an 8-foot section of a bench which was arranged for sub-irrigation, and another, immediately adjoining it, arranged with brick bottom in the same way without sub-irrigation. Along side of these we had an ordinary bench. We tried it last year and the plants in the brick bottom without sub-irrigation were better than the others. I think that was largely due to the fact that we went at the thing with the idea that sub-irrigation was a very easy way to avoid a lot of care in watering. The first thing we did was to sadly over-water; we found that every drop of water put into the bench would go up into the soil and you had to figure out how much water you wanted to give and put it in there. This year we have been continuing it, and although the conditions have not been favorable in the house, there is nothing particular to be seen—the three benches are about equal, planted with the same variety—Cerise Queen. For a while, in the sub-irrigation portion, we thought we could see quite a little difference in its favor, the color of the variety was a little better and the plants seemed to be a little firmer, but at the present time there is very little to choose; yet I do not think we have given it a fair trial. We shall continue it another year and hope to have the conditions more favorable. The only thing I would like to say in regard to sub-irrigation, indoor growing, and all these matters, is that local conditions vary so much, as well as the personal equation of different men, that the only way for any man to test these new schemes is to try them on a small scale until he feels sure he has it right for his conditions.

Harry Dale, Brampton, Ont., had tried sub-irrigation in a small way, planting 12 feet of a bench with Scott. They did just about the same as that variety planted on either side of them without the sub-irrigation. He had to be very careful in watering. This year he planted 12 feet with Mrs. Joost. The difference also was so small that it could hardly be detected. Looking to the extra expense in putting in sub-irrigation, Mr. Dale did not consider that it would pay. He tried it on roses also, and the plants did not seem to like it at all.

Mr. Witterstaetter, instead of the ordinary board benches, uses three or four runs of 1½-inch pipe on supports 8 feet apart, on these are placed 3-inch side strips, the whole being overlaid with common brick. The heating pipes are 18 to 24 inches below these benches, and when the heating was on he had noticed that the soil in the bottom of the bench was entirely dry, although the top soil was moist enough. When no firing was necessary he had no trouble in keeping the bottom moist. He would endeavor to obviate the difficulty by inserting flower pots between the rows at sufficient intervals so as to afford the necessary quantity of water.



Flower of Carnation Ethel Crocker.

Mr. Rudd—A large part of the brick is exposed to the action of the heat. The brick bench I have prepared is of the ordinary board bench bottom with the bricks above it, not exposed. Where the drying out trouble comes in is that the bricks are great conductors of heat.

Mr. Ward stated that bricks will absorb all the moisture out of the soil, and keep it out; and it would be necessary to get some bricks that would act as a reservoir for the soil to draw from.

Mr. Rudd remarked that at one time some gentlemen had tried a certain tile for the bottom of their rose benches, much to their sorrow, as the results were similar to those of Mr. Witterstaetter, the tile being such an excellent conductor of heat that it kept the bottom of the soil dry.

Mr. May thought Mr. Witterstaetter could get around the difficulty very easily by using a thin board under the brick so as to avoid the direct action of the heat on the brick. The speaker could root cuttings from five to eight days quicker on a brick bottom with boards underneath them, laid close, so that the bricks did not get the direct action of the heat. Where bricks are left exposed they dry up the soil very quickly.

Mr. Dunlop, after visiting Mr. May's place, had been impressed with his idea; but Mr. Dunlop used a slate bottom underneath the bricks, and with that had been more than successful in propagating. It was very noticeable that the sand in the propagating houses with such a bench would remain sweet the best part of the season.

Mr. Hartshorne had had excellent results with a batch of Bradt propagated in a bench with a brick bottom—and Bradt is one of the worst varieties to root there is.

Amalgamation With Rose Society.

Following is committee's report on this subject:

The committee appointed by you to investigate this matter beg to submit the following for your consideration: As the only feasible way in which a union of interests can be effected between the American Carnation Society and the American Rose Society, by which both societies can hold their annual conventions at the same time and place, saving the members of both societies the expense and time necessary in attending two distinct conventions, held as they often may and will be in two widely separate cities, this committee respectfully suggests that the time of holding the annual exhibition and convention of the American Carnation Society be changed to the third Thursday in March each year, which date will insure the convention always coming during the Lenten season. At this date flowers will certainly be cheaper than at the dates on which the convention is now held; they will be equally good in quality, and, as a general rule, more abundant; and, we think, the time above named equally convenient for all to attend the meetings. Furthermore, we think if the date is left as it is now the Rose Society cannot entertain any proposition to join issue with this society, for the simple reason that not enough roses could be gotten together during the month of February to make a creditable show, more particularly of all the finer varieties of hybrid remontants, etc. If this society thinks it wise to change the date as above suggested, we think a committee from the American Carnation Society should be appointed to confer with a like committee from the American Rose Society, to arrange all details, etc. And we feel morally certain the American Rose Society will meet us in a fair spirit and be pleased to join with us, which we think can be done without either society's interest conflicting with that of the other. Furthermore, we think it will be to the mutual benefit of both.

JOHN N. MAY.
(Signed) ARTHUR HERRINGTON.
WM. NICHOLSON.

Mr. Rudd—At first glance it would seem an exceedingly desirable thing to have these two societies meet at the same time and at the same place, with the idea that many of our members, who are members of both societies, could take in both conventions with the same expense. When one stops to think a moment, however, it will become evident that the two societies will be in session at the same time, and those of our members whose sympathy runs a little stronger to the rose than to the carnation will be attending the session of the Rose Society; and if the carnation interest is a little stronger they will be sitting with us. I do not believe it is policy—I do not believe it is a good thing—for either society to attempt to hold sessions at the same time and at the same place. I think it will result in a loss of attendance and a loss of interest, and a loss in the value of the work of each society. Of course, a joint exhibition would be a very desirable feature indeed; but I thoroughly believe that the work of each society will suffer by the proposed arrangement.

Mr. May thought that the sessions of the Rose Society could be held on the Tuesday and Wednesday of the week, so as not to conflict with those of the Carnation Society.

Mr. Dailledouze remarked, one feature that would kill the American Carnation Society would be that of making an exhibitor show his novelties in March. Such a late date would hurt carnation interests. This view was indorsed by Mr. Hartshorne.

Mr. Ward—This is absolutely new to me. A question that was brought up shortly after the organization of this society and overwhelmingly defeated was to change the date of our meeting. We were all carnation men at that time. The rose men did not think we were of sufficient interest to attend our meetings. We hammered that out among ourselves, and we came to the conclusion that any time after March 1 was too late, for many reasons, for the carnation men to hold their meeting. I fully agree with Mr. Dailledouze that an amalgamation of this kind means the wiping out of the American Carnation Society, and I promise this body faithfully that if the date be set to the third Thursday in March I will not show one single flower at the society's meeting at that time. It is utterly impossible for me to leave my business at that period, and it is all I can do at the present time to get away. It seems to me we cannot make as good an exhibition of our flowers during the month of March as during the month of February. We all know that we can have the best display of carnations at the present time. I may go to the latter end of February, but to go to the latter end of March I simply will not do it under any circumstances. Mr. Rudd has brought up a very patent objection—it is a valid objection—I do not care what ways and means you may take to overcome it. The carnation men would have four days to cover; it is hard enough to keep the exhibition in order for two days. I do not think that any of us who grow novelties would wish to keep the exhibition going for more than two days. Continuing, Mr. Ward said, this was a business society, the members of which came here for the purpose of displaying their products and for advertising them. The last of March was too late, so far as the carnation men were concerned; the present being good enough for them. The carnation men, of course, could put forth no objections to the rose men holding their meeting at any time the latter saw fit. He would be willing to subscribe to offering rose prizes to be competed for at the carnation meetings, but he was decidedly opposed to changing the date to the latter end of March.

Mr. Dorner was in favor of changing the date to a little later, simply on account of the weather conditions being likely to be more favorable; and also that during the early part of March a great deal of sunshine was available that would produce somewhat better blooms. He was in favor of the Rose Society's meeting being held at the same time as that of the Carnation Society, providing that it did not in any way interfere with the interests of the latter.

Mr. Dailledouze thought that an advancement of the date earlier into February would be better. Many varieties showed up beautifully in early Fall and early Spring, but failed in midwinter.

F. R. Pierson would like to see the two societies consolidated if it could be advantageously done. He could see that it was disadvantageous to hold the rose meeting at this early date, and by the holding of an exhibition later in the Spring for carnations there would be a great many kinds exhibited that would be very poor as midwinter sorts. He was afraid the two interests could not be harmonized.

Mr. Hill—If an arrangement could be made whereby the two societies could meet at the same date and place it would enhance the interests of both, I believe. I never knew before that the history of the Carnation Society did not include some rose growers. I believe Mr. Craig and Mr. Lonsdale and others were in at the organization of the Carnation Society and supported it right from the start. That assertion I do not think will hold water, but whether it is desirable from a carnation standpoint to have the societies meet at the same time I do not know. I am not overparticular which way it goes, so far as I am concerned.

Mr. May pointed out the advantages that would result from a larger meeting in the way of getting cheaper transportation, and that a combination of rose and carnation interests would certainly make a very instructive show.

Mr. Dailledouze stated that there was no objection to the rose men showing at our meetings or of the carnation men showing at the meetings of the Rose Society.

Secretary Herr thought that the matter should lay over until a conference had been had with the Rose Society people, which was agreed to.

A motion for the Carnation Society to offer premiums for roses at the annual meeting of the former society failed to find a seconder.

The Ideal Flower.

Mr. Dailledouze thought that a semisphere was very near the ideal, or a slight deviation from that would not be detrimental.

Mr. Rudd—It seems to me the ideal to be aimed at in a carnation is to get a flower that will make the best showing, with the least amount of labor imposed upon the plant in producing it; that the petals shall be so arranged as to give the best effect with the smallest number. I have a theory that every additional petal which a flower produces takes that amount of strength out of the plant. For instance, take some of those flowers which are very full with a large number of petals in them, but with the petals not quite at right angles with the stem; they do not make the show that a really smaller flower, with fewer petals, weighing much less, and when the lower petals stand out at absolutely right angles with the calyx, does. It seems that in all of the former flowers the plant is called on to produce an amount of petal uselessly. However, it has always seemed to me that the ideal form for a carnation bloom will approximate a half sphere, and any deviation from that form I would prefer to be a trifle flatter than the half sphere rather than in excess of it. Of course, the main point when you get size is to hold the lower petals straight out instead of reflexing. That is as near as I have got on the way to an ideal form for the carnation.

Mr. Weber did not think it advisable for the society to commit itself to any definite policy in regard to form. He thought anything that caught the public fancy was what the grower had to cater to.

Mr. Ward did not agree with Mr. Weber. A carnation might catch the public eye and might sell for a certain period upon color alone, with no form whatever. In a large bunch it may make a very artistic effect, and one might be able to dispose of it. In selecting seedlings at Cottage Gardens, Mr. Ward stated that he had paid particular attention to form, and had adopted Mr. Rudd's plan—as near the hemisphere as possible, preferring, however, those slightly flattened to those that were too high built; in other words, he liked the form that produced the best effect and still kept as near to the hemisphere as possible. His best formed flower, in his opinion, was Governor Roosevelt—that was as near perfection as anything he had ever had. He thought the society ought to have some standard for form just as it ought to have a standard for color.

Mr. Witterstaetter said Buttercup had a form nearly perfect, in his estimation; Olympia was also very good; Pingree would be, if it had not incurving petals.

In regard to form, Mr. Hartshorne did not think there was any ideal at present. He had never seen any; there may be some. His idea of good form was a high built flower, not too high, but built according to its breadth. One may get a small flower, not more than 2½ inches in diameter; if it is high in proportion to its breadth he thought it would be all right. He thought No. 666, according to the breadth of it, should be built at least an inch higher in the center. The flower, at a distance, appeared flat. He thought the lower petals should stand out at right angles and not turn down at all. The flower should be built more round at the top.

Mr. Rudd—Here is a national society having in charge the carnation. We have our exhibitions here. We take some judges and turn them loose in the hall; tell them to go in there and judge these things. We do not give them anything in the way of instruction, except a scale of points, and have it understood that if they work a variety up to 85 it gets a certificate. We never have gone on record as to what our idea of a good carnation is; we never have gone on record in any way as advising or instructing the judges how that scale of points shall be applied; whether they shall try to formulate their ideal of a perfect flower, and apply the scale of points as a measure of value, put in comparison with their ideal of a perfect flower; or whether they shall take the best existing variety of a color, compare with that, take the largest in size and compare with that for size, and so on, or whether, if it is a light pink, they shall take the best existing light pink and compare the variety with that. We simply turn these gentlemen loose and let them take any course they choose. Well now, it is evident the result depends entirely on what standard they set for themselves, and it seems to me that it is time we gave as far as we possibly can some indications of the standard that we desire to have these things judged by. I do not know that I can say to-day definitely what standard I think is the best. Some people will say to you, if you are judging a pink one, when you come to the points for size, "Well, compare it with No. 666, and score it way down;" another will say, "Three Sixes is not a pink." There is at present a chaotic state of affairs. It seems to me that we should formulate some ideas in regard to this standard and give some instructions, and have them printed, which would also be valuable to the exhibitors, as they would know upon what basis their flowers are to be judged.

A member asked, Mr. Rudd what he was going to do when his standard had been obtained. The speaker thought that no definite standard should be set, because the purpose of new varieties in carnations was to give variety—variety in form and color, and he did not see how any definite standard could be set. We had not reached the standard in size. What would Mr. Rudd make his standard in that attribute, and what in color, and what would he do when he gets these?

Mr. Craig—I was about to ask Mr. Rudd if he had settled definitely in his own mind whether the standard should have an objective foundation or be simply subjective. I should like to know whether he thinks we should take the best flower that we have of a given type and reason from that, or whether we should have something imaginary, something ideal, something subjective, and reason from that.

Mr. Rudd—The ideal scheme is very pretty, and until you sit down and figure out how you are going to apply it through a series of years it is very attractive. But suppose we fix an ideal form, an ideal size, what shall that size be? Fix your ideal definitely and make it rigid. Suppose you say 6 inches for size. What are you going to do when a 6½-inch flower comes along? The ideal scheme won't work. The only scheme that will work is a standard based on our present knowledge, as that standard will of itself change year by year as we progress. When we get one that exceeds our present standard in any way we are going to score that up and then you have a new scale for next year. Working on that scheme anyone can readily see how there is a possibility of scoring a carnation 100 points, and yet never for a moment think that means perfection. I believe most of our judges do work in that way—by comparison with the best existing specimens. Where a judge finds a variety excels all existing specimens in all of its attributes there is your 100 point carnation. There is nothing left for him to do, and if the judge takes the other standard, takes the best pink, and compares the specimen with that pink, then from his point of view, if the specimen he is at work on is better in every way than the best pink he knows, there is your 100 point carnation again from his point of view. I am not saying he is right, but if right, he is correct in awarding the 100 points. The general impression among the public seems to be that the score given a carnation is a measure of its value compared with absolute perfection. That is an absurdity on its face. We do not know what absolute perfection is, therefore we cannot compare anything with it. The points given any variety are simply given in comparison with something else that we know, that we have seen, or possibly that we have built up in our mind's eye.

Robert Craig—I am glad I asked Mr. Rudd this question, because it has brought out just what I wished brought out. He says there are two ways: He drops the ideal foundation as a standard very properly. The only standard that is safe to take is one that is objective; that we know something about, can talk to each other about. However, Mr. Rudd concludes very properly that the only standard that we can have is one of an objective character; one we can look at and consider about and compare, and he says he thinks it is a proper thing for a man, when judging a pink carnation, to compare it only with the best existing pink one, in all the points, because, as a pink one, it may be deficient in some points; it may lack in stem, size or color, or something, but taken as a whole it is the best we have got. I think in judging a carnation we should take the best carnation in each point; that is to say, when we are discussing the point of stem, we should take a carnation out of the whole lot that we know has the best stem and judge it from that. We should take the one that has the best form, and reason from that, and so on. That is where I think the judges giving the 100 points to Mr. Witterstaetter's very lovely variety had a wrong standard. They probably compared it, as Mr. Rudd has suggested, with the best existing pink one, and reached their marvelous conclusion in that way. Now, we know very well lots of carnations have a better stem than that one, while it excels most in some lines very much; so that I think the judges may very properly take, in considering the point of stem, the best we have any knowledge of, the best form we have any knowledge of, and so on. Somebody has said that Olympia has a good form, that they knew of nothing better. I am inclined to agree with him, and am very much in love with that form. And so on all the way through you can take what is the best carnation for form, the best for stem, best for color, and so on down the list, and in that way reach your conclusions; and this is what I think the judges should adopt as a standard.

Mr. Ward—It has occurred to me that in the case of size it is particularly easy to lay down a rigid standard for judging a carnation. It will not be so easy perhaps to cover the other points in question. Now, supposing size at the present time is represented by 5 inches. A carnation 5 inches would then carry 10 points for size; one measuring 4½ inches would carry 9 points, one 4 inches carry 8 points, one 3½ inches carry 7 points, and one 3 inches carry 6 points. I believe that the only point for which a fixed rule can be laid down is that of size alone.

Mr. Rudd here moved that a committee of five be appointed to formulate instructions to the judges and make suggestions in regard to the standards to be used in judging, that committee to report at the next annual meeting.



Carnation Enquirer.

Grown by R. Witterstaetter, Sedamsville, O.

What is a Disseminated Variety?

Mr. Dailledouze stated that the question had arisen as to whether a variety sent out this Spring was qualified to compete in the undisseminated class; such varieties as the Lawson, Marquis, Olympia, Crocker. Was a variety disseminated when it was sent out as a rooted cutting? It occurred to the speaker that once a variety was sent from one's place it was disseminated.

Mr. Ward—A strictly technical view would be if the variety has once been sold it had become a disseminated variety; in other words, when it had passed out of the hands of the originator. Take Three Sixes: I think that has been sold and gone into commerce. I think some decisions in the United States patent cases cover that point.

Mr. Craig—It seems to me that Mr. Ward's idea that No. 666 has been disseminated is wrong. It is not. It is yet in the hands of one man. It is not disseminated or sent out; but in the case of Olympia or Lawson or Crocker, these have been disseminated, some as early as December last year, and they would really be debarred in the strict interpretation of that clause. I have no idea at all that No. 666 has been disseminated yet, and cannot conceive it in that light.

Mr. Rudd—We had this same matter up in Chicago in connection with certain varieties and it was laid down there, after a good deal of discussion, that any variety which the grower might have been able to purchase and had in his greenhouse in flower at that time should be considered a disseminated variety, but if it was a variety that a grower could not have obtained, could not have in flower, it was to be considered as still in the seedling class, and it seems to me that that is about the only fair decision you can arrive at on that point. It would be well, though, if the society could go on record definitely.

Mr. Hill—In Class A it says "regardless of variety." The point came up with me yesterday morning as to whether I could enter Crocker in that class, and the secretary ruled I could. I do not know whether there is any objection to varieties being entered in that class that are not disseminated at the present time. I would make a class for a number that are being sent out. I should favor leaving the class open, because the hundred blooms are really the mainstay of the exhibition, and perhaps the most interesting portion of the exhibition, and I think the staging of 100 blooms in a vase should be encouraged rather than otherwise.

Mr. Scott thought the class was well enough as it stood. The Marquis was entered against an unnamed seedling by Dailledouze. "We considered that the Marquis is an undisseminated variety, because I could not have bought and produced a flower of it and put it in competition with Mr. Marquisee."

Mr. Rudd thought that the words "regardless of variety" made the class open to all varieties. He would like to make a motion that no variety shall be considered by the judges unless it bears a conspicuous label with the name of that variety or its seedling number.

Mr. Hill brought up the question as to whether the variety capturing the silver medal this year could enter next year for same premium if the variety was still undisseminated.

Mr. Witterstaetter and Mr. Pierson were of the opinion that it could, the latter remarking that the society would stultify itself if it awarded the medal to an inferior variety than that which had already obtained the medal.

Express Companies.

The committee appointed to consider the matter of taking cognizance of the keeping qualities of carnations, and also to suggest measures to secure better attention from the express companies, reported that they believed it to be impracticable to include in the present scale any recognition for keeping qualities and suggested that the scale be allowed to stand unaltered. They also suggested that the society establish in the following cities: Chicago, Cincinnati, Philadelphia, Pittsburg, Boston and St. Louis, a standing committee of three competent judges, after the manner of the Chrysanthemum Society, these committees to be members of the florist clubs of the various cities and to act in connection as far as practicable with the different clubs. That they arrange to receive exhibits from growers on the date of the regular monthly meetings and judge same by the society's scale. Also, that they make some arrangements whereby the keeping qualities of the flower can be ascertained. Growers to send six blooms to each committee during the months of December, January, February and March, the exhibitors being required to exhibit in three at least out of the four months and in at least four of the above-named cities; reports of the judges to be forwarded to the secretary of the society, together with a report on the number of points obtained by each variety on the keeping qualities of each exhibit.

As regards express company matters the committee could not in the time allowed formulate any practical remedy for losses resulting from carelessness or negligence on the part of the various express companies.

Considerable discussion followed as to the best methods to insure satisfactory service from the various express companies. Mr. Dillon suggested the use of the red label by all shippers, and the calling of the local agent's attention thereto, and also to the fact that the goods contained in the packages were perishable. Mr. Ward referred to the very satisfactory service rendered him by the National, United States and American Express Companies; on the other hand, he had found the Adams Express Company the most undesirable one to handle his goods, and that company he always avoided. Defining the responsibilities of the express companies, Mr. Ward said a common carrier is responsible for the goods in his possession; if they are plants that are liable to be frozen, and if the carrier receives these plants and receipts for these plants he is responsible if he allows them to become damaged while in his possession. He may write on his receipt, may make you release him from damage and ship them subject to owner's risk; but, at the same time, that does not do away with his liability if these goods are damaged through the fault or carelessness on the part of his agents. The only way to cover the thing is to take it through the courts and have the liability thoroughly fixed by a decision.

Several instances of attempts to shirk liability in case of damage were instanced by some of the shippers, the general feeling being that the society should put itself on record as being willing to push the claims of its members to a satisfactory conclusion whenever sufficient proof of negligence or carelessness on the part of the express companies was available.

Some further discussion occurred on the committee's suggestion for the appointment of local committees, but the matter was finally laid on the table until next year. In the course of the discussion Mr. Ward remarked that the best test of the keeping qualities of the carnation was to go down to market every day where the flowers were sent under average conditions. If he were to ship carnations long distances he should take particular care to have them keep. One could also treat carnations with certain chemicals and make them keep a good long while. He did not think that the plan proposed by the committee would result in any practical benefit.

Mr. Rudd did not think any proposition relating to the judging of carnations or to the handling of the business of the Carnation Society by parties outside of the membership of the society should be entertained. "This Carnation Society is not to be at the say-so of any florist club or body of men outside of its own members. I do not say but what it is a good thing to have different committees in different cities, but they must be members of this society." He was inclined to think that it would not be a bad idea to have exhibits in various cities, but let the whole thing be voluntary. He thought the society was perhaps imposing too much of a task on the seedling man, especially if he happened to have a very small stock. He was also of opinion that the society was trying to do something that it could not do—and that was to solve the commercial all-round value of the carnation. The only legitimate test of the value of the carnation was to grow it and see it growing during a long space of time, and find out what it will do under different conditions. "In trying to investigate the keeping qualities or the growing qualities of a carnation you are simply going to burn your fingers."

Mr. Ward—To buyers of new carnations I would say this: If you will pay more attention to learning how to grow the new things than to judge them, you will come out a great deal better in the long run. Let the seedling man alone; he is judging the thing pretty close and doing the best he knows how.

Cutting Prices.

The question having come up as to what was the best remedy to prevent the cutting of prices, both of flowers and rooted cuttings, Mr. Rudd stated he knew of only one sure method, and that was to kill off all the fools. Mr. Ward: "In some lines of business there has been a successful method employed to prevent that, and that is to shut off the supplies of the most desirable articles from those who persist in cutting prices. A movement of that kind among the producers of the most desirable new things might have some effect, if it could be conscientiously carried out. One of the great difficulties is that there is always some Judas who will turn round behind your back and knife you." Mr. Ward was of opinion, however, that any combination to maintain prices would be wiped out by the courts as coming under the law dealing with trusts.

The Use of Side Ventilation.

Eugene Dailledouze—We were probably the first to discontinue side ventilation. We have side ventilators and keep them closed for the simple reason that we cannot keep the atmosphere moist enough—too much evaporation. We have not used the side ventilators except for emptying the houses. I think anyone trying the two methods will soon be convinced.

Mr. Ward—We have side ventilation on every house and we use it. We find there is rapid evaporation; that is what we like, especially in the hot days in August. Rapid evaporation means cooling, and if you will open your side ventilators and use the hose freely under the benches you can keep your temperature lower than that outside. In our houses last year we had the temperature below the outside temperature, and that was done by evaporation of the water on the paths and under the benches. You have got to keep your hose going with side ventilators.

Eugene Dailledouze—We found it necessary to use so much water on plants inside with side ventilation that we were inclined to have the soil sour. Where we tried the two side by side we had very much better results the other way. Too much evaporation means an over-hardening of the plant and a checking of the growth. We found the temperature one or two degrees lower in the houses with top ventilation without side ventilation. Of course, we moisten under the benches.



Partial View of Buffalo Exhibition of American Carnation Society.

Some Corrections.

The telegraph recorded a few things last week that need correction: In sweepstake competition third prize was won by Mr. Witterstaetter with "Adonis," not Maude Adams. The name of Dailledouze Bros., light pink, which received a preliminary certificate, is "Delight," not White Delight. Mr. Dailledouze's remarks regarding side ventilation are given in full above.

Insects Infesting Carnations.

Read by Professor F. A. Sirrine, of the New York Agricultural Experiment Station, before the American Carnation Society at Buffalo, February 16, 1900.

Florists in general are not only familiar with all the insects infesting the carnation, but also with the whole category f remedies; hence, it appears like a waste of time to devote a few minutes to the above subject. Yet, when one can cull from florists' periodicals such statements as: "Lack of ventilation favors the development of the red spider;" or, "It resents light almost as much as fresh air;" also, "Give as much fresh air as possible—that is what the red spider does not like;" a few facts regarding the habits and life history of this and other carnation pests will bear consideration.

Before taking up the subject of habits and life history a portion of another statement requires notice. It is "Water is the remedy for thrips or red spider. Select some bright morning and syringe heavily, and later see that the roots of the plants never get dry, for drought nt some time or other, or too much fire heat, is the source whence both pests originate." Note that the latter portion of this statement conveys the idea of spontaneous generation. The days of spontaneous generation, if they ever existed among insects, passed away long before Adam was a gardener. We often hear the expression "a new insect" used. A new creation is not intended by such a statement. This term is used either when a long-established insect adapts itself to new conditions, or it has succeeded up to the present time in keeping out of the way of a "Bugologist" with his long label and his still longer name with which he burdens it.

The insects infesting carnations may be separated for convenience into two groups: first, those which are nearly always to be found on the carnation, and second, those which occur on the plants only occasionally, and then usually by accident. That is to say, we have resident and transient insect pests of the carnation. A sub-division of each of the above groups into "forcing-house," and "field" pests could easily be made, but all divisions are empirical and of value simply to avoid a discussion of each species alone. At this time only the "forcing-house" pests of the carnation will be considered.

In the first group may be classed the greenfly, red spider, and thrips; while in the second group we have the cutworms, cabbage looper, an undetermined webworm, the rose-leaf tyer, the chrysanthemum-leaf skeletonizer, Fuller's rose beetle, white grub, white ants and a few others.

THE "GREENFLY" (Rhopalosiphum dianthi).

As the specific name indicates this aphid was first found and described as infesting Dianthus. At present it might be called polyphagous, as it is known to feed on nearly one hundred different varieties of plants.

This pest is so well known that a description is not needed, but a few words on habits will not be out of place. Under natural conditions this species of aphid, like most other aphides which feed upon deciduous plants, deposits its eggs late in the Fall, in which form it passes the Winter, but, under forcing-house conditions this habit is entirely lost. Instead of the young hatching from eggs, they are produced year after year by a process of internal budding which we call "agamic reproduction." That is, certain cells separate from the abdominal walls of the mother and develop the same as plant buds develop. These buds grow into small aphides and are deposited alive by the parent. No fathers are needed in this process and they are rarely produced. With one exception, viz., as far as known, the greenfly never degenerates by being reproduced from buds, like strains of plants degenerate. We have the same kind of propagation in an insect as a florist practices with the variety or strain of a carnation. As most of you are aware, in the case of the greenfly this is not a slow process of reproduction. One mathematician has estimated that the offspring of an individual aphis can in one year amount to 210 raised to the 15th power, a number which is almost impossible to express in figures. If there were no checks to this method of reproduction "there would be room in the world for nothing else but aphides."

I have said that as far as known there is no loss of vitality on the part of the greenfly by the above method of reproduction. At times the older specimens, which usually live only about three weeks, become inert and reproduce very slowly. Whether this is due to exhaustion or is a provision to carry them through unfavorable conditions is not known. Possibly it is a form of hibernation. This much is certain—tobacco smoke will not kill these individuals and they will stand hydrocyanic acid gas better than will the plants. Conditions which bring about this inert state are: exhaustion of the plant on which they are feeding, and frequent fumigation of the plants with tobacco smoke.

Not all the individuals of each brood develop wings, but under forcing-house conditions, winged females are produced in nearly every brood. This is necessary to prevent overstocking a plant. It also allows them to spread to all parts of the house more rapidly.

RED SPIDER (Tetranychus telarius).

Here we have another pest which needs no description, as it is already well known by all. The red spider differs slightly from the greenfly in its methods of reproduction. Each brood hatches from eggs which are deposited on nearly all kinds of plants during every season of the year except Winter, but, as with the greenfly, males are not always needed. The red spider belongs to the true mites, such as sugar and cheese mites, itch mites, etc.. The red spider spins webs, the same as all spiders, which are of special use in fastening the eggs to the leaf.

Judging from the clipping previously quoted which claimed that the red spider originated from too much fire heat, or drought, the life history of this pest is not well known. Under natural conditions, at this season of the year, they are to be found on plants in the egg stage only. Their eggs can be discovered at the present time on many plants, both annual and perennial, living and dead, looking like mere red dots. The parent spider deposits these eggs in the Fall, around the buds, under rough bits of bark, and even on the leaves which drop. During the latter part of April I have seen newly hatched young swarming over the grass under chestnut trees and traveling up the body of the tree in such countless numbers that the bark appeared to be in motion.

Ten days to two weeks are required before the first brood is developed enough to commence to lay eggs. After this period there is a new brood about once in every three weeks throughout the whole season. They thrive and increase rapidly while there is plenty of wind and bright sunlight. Excessive rains in May and June do not injure the eggs but they have a bad effect on the young or newly hatched red spiders. They appear to get tangled in the wet webs and are not able to survive the chill which they receive. During extreme heat of mid-summer, the egg laying is sometimes checked, but usually they can stand plenty of heat combined with sunlight and air. Hence you see that naturally this insect thrives under conditions which are supposed by some to be adverse to them, especially in forcing-houses. I have yet to see it proven that syringing plants with water has any effect on the adult insect. A few of them may be knocked from the plants by the force of the water, but they soon crawl back. I have observed that the best time to have apparent success with syringing of plants with water is to wait until a good many eggs are deposited, then apply the water with force. The old red spiders are knocked from the plants and the result is that the plants will appear clean for a week or ten days, that is, until time for the new brood to hatch from the eggs.

The immature red spider can be distinguished from the adult by the fact that they only have three pairs of legs, while the adult has four pairs.

It is not known how many distinct broods of the red spider occur out of doors each year. In October, when the leaves commence to fall, males occur in the brood and the Winter eggs are deposited. It is not known how often males occur under forcing-house conditions. Their rate of increase is equal to that of the greenfly.

THRIPS.

Several species of this pest occur in greenhouses and attack nearly all kinds of plants. The species which causes the injury shown on Plate III. and is usually found on "twittered carnations," has been described as an "onion thrips," "cabbage thrips," and a "tobacco thrips." In the vicinity of New York City carnations are usually infested with this species. Before it was noticed injuring onions and cabbages in this country it was called thrips tabaci by an European entomologist.

As this pest and its work is not well known, a full description will be admissible. Furthermore, from recommendations given in FLORISTS' EXCHANGE for 1898, p. 1124a, quoted from Peter Henderson's "Practical Floriculture," this pest has apparently been confused with the so-called "rose-thrips," which is not a thrip at all, but a leaf-hopper, one of the Jassidæ.

The tobacco thrips (the species which infest carnations) is shown on Plate III. Fig. 1, with wings expanded. A related species (Heliothrips hæmorrhoidalis) which occurs on ferns and other conservatory plants, is shown in natural position on the same plate, Fig. 2. As shown by the illustration, the adult insects are winged and have six legs. Their wings, of which there are two pairs, are very thin, delicate membranes, fringed with long hairs. They are not able to hop, but they make short flights, which give them the appearance of hopping like the rose-leaf hopper. The larvæ or immature thrips, both males and females, are wingless. They are of a light-yellow color, while the adults closely resemble the soil around the plants.

The adult females deposit their eggs within the tissues of the plants upon which they feed. The time required for the eggs to hatch and the number of broods occurring each year is not known. This insect probably hibernates as adults and not in the egg state. They hide away under rubbish and under the rough bark of the plants on which they feed.

They usually attack carnations in the Fall while the latter are in field. Feeding as they do on the tender unfolding leaves of the plant, they may, in some cases, cause the twisting that is called "carnation twitter." The chances are that "carnation twitter" can be produced by any cause which checks the growth of the plant and is rarely the work of thrips.

When the plants are transferred from the field to the forcing-house the thrips are taken along. As soon as the plants commence to throw flower buds the thrip works its way into the latter, where he will be safe from all human attacks. Here it feeds upon the partially developed petals, not only distorting them, but robbing them of their coloring pigment, so that the flowers not only have irregular white blotches on the petals, but often they do not open properly. In some cases the petals bleed to such an extent that the flowers rot before they open. Not satisfied with making the flowers appear as if affected with leprosy they deposit their eggs in the tissue of the inner or upper surface of the calyx.



Seedling Exhibit at Buffalo Show of American Carnation Society. No. 666, Winner of the Lawson Gold Medal in Foreground.

Before taking up the subject of controlling the three pests discussed thus far, we should know how they feed and breathe, also how they get into the forcing-house.

The greenfly is provided with a proboscis, or beak-like mouth parts, similar to that of the bed bug. With this it punctures the plants and sucks the clear sap or liquid from all the surrounding tissue. Usually the tissues of the plant are only slightly broken by the feeding process of the greenfly. The red spider and the thrips are both provided with



Fig. 1. Fig. 2.

PLATE I.—"Greenfly" (*Rhopalosiphum dianthi*) Fig. 1, Wingless Adults and Young. Fig. 2, Winged Adults With Honey Dew Adhering to Wings, also Drops of Honey Dew on Plants. All Enlarged.

biting mouth parts. They first bore open the cells of the leaf tissue and then proceed to lap or suck up not only the juices but also the coloring matter from the broken cells. These broken, empty cells give the whitish appearance to the plants on which the latter pests feed. Hence, the small size of these pests combined with their method of feeding makes the use of poisons impossible.

All insects breathe by means of small openings called spiracles, which are arranged in rows on each side of the body. The spiracles connect with small tubes or arteries which divide and penetrate to all parts of the insect. Therefore, insects have air instead of blood circulating to all parts of their bodies. The closing of the spiracles with powders, washes, or with fumes of any kind suffocates the insect, and this is the only way we have of combating the above pests. With such small insects this is easier said than done. It is almost impossible to make the treatment thorough on such small objects.

All three pests can be carried into the forcing-house at the time the plants are taken in. The greenfly and thrips both produce winged individuals, which can find their way into the houses by way of the ventilators. Red spider can be carried into the houses on cannas, dahlias, or any other plants or bulbs which have some tops on them when stored under the benches.

METHODS OF CONTROLLING OR REMEDIES.

The oft-recommended remedy for greenfly and thrips is fumigation with tobacco or steam from tobacco extracts. Water is the standard remedy for red spider, aad is often assumed to be good for thrips. I have yet to find the forcing-house which has once become infested with greenfly and afterward fumigated weekly with tobacco in some form until it shows signs of nicotine poisoning in which I cannot still find the greenfly hidden away in out of the way corners. I doubt if ever an adult thrips was killed by fumigation of any sort. Unless the latter are very thick and crowded for feeding ground, they are hidden away in the folds of the leaves too well protected to be reached even by tobacco smoke. Up to the present time we have no safer method of controlling the greenfly on carnations than fumigation with tobacco smoke at time the plants are flowering.

Fumigation with hydrocyanic acid gas has been recommended for violets and in a few cases for carnations. This gas is so much lighter than air and compresses itself into the upper spaces of the house to such an extent that, even though only one-half ounce of 98 per cent. cyanide of potassium was used for every 1,000 cubic feet, it banked enough to cause the injury shown on the above plate. The injury was not noticeable until about two weeks after treatment and consisted of a whitened ring around the buds and a few white spots on the upper leaves. The former did not appear to interfere with the perfect development of the flowers. In the above case, where only one-half ounce of the cyanide of potassium was used, the gas was allowed to act all night. Although the plants were slightly injured further work by the greenfly was stopped. Three days after treatment a few specimens were found still living. These apparently were old females that were through budding and in time died a natural death, as two weeks later not a living specimen could be found in the house.

As previously stated, syringing with water is usually recommended for red spider and thrips on carnations. Sometimes such substances as salt and water, also soap suds are recommended. In addition all patented insecticides, such as "Thrip Juice," "Nikoteen," "Rose-Leaf Extract," "Antipest," etc., are warranted to kill both red spider and thrips. Nothing is ever said about the effect on the plants of the latter substance.

I think you will all agree with me that heavy syringing of carnations, which stand 18 inches high, with water, is anything but beneficial to the plants. If each grower would take the time to test water and some other substances side by side on the same bench of carnations on which the red spider has become established, he would prove to his satisfaction that such quantities of water injured the plants nearly as much as does the red spider.

I can see no difference in results between salt and water, and pure water. Both substances act, as previously described, on the young at the time they issue from the egg; at the same time both substances favor the development of the rust and spot diseases on the plants.

Notice, it is not claimed that water, salt and the proprietary substances are of no use on any plants. Some may answer fairly well on plants other than carnations. I have used "Nikoteen" at the rate of one teaspoonful to a gallon of water, as a wash for thrips on ferns, with excellent results. But "Nikoteen" is vile stuff to put on any plant and should never be used on plants which, like carnations, have the foliage covered with a "bloom." Besides, no substances can be made to reach the thrips after they have got into the carnations buds.

I have used hydrocyanic acid on this pest, when on ferns, as strong as three ounces to 1,000 cubic feet of space, allowing it to act all night without injuring the thrips in the least. (We will say nothing about the condition of the plants.)

As far as tested, the best results from treatment of red spider have been obtained from the use of a soap solution made by dissolving one ounce of ivory soap in one gallon of water, or in that proportion. All individuals struck with this solution were killed, and if the plants were not too heavily drenched, the bloom on the foliage was discolored but little. (Open flowers should be gathered before attempting to use the soap solution.) A home made soap made of clean lard and the best potash lye would answer just as well as ivory soap. Fish oil soaps will kill the red spider but they have the disadvantage of discoloring the foliage, and in addition give the plants a bad odor.

The Ohio Agricultural Experiment Station has shown that good potash soaps are fungicides, preventing "leaf curl" of the peach. (In Bulletin 103, page 186, also Bulletin 104, page 220.)

Another measure which is absolutely safe to use on the carnation, when flowering, and just as destructive to the red spider as water, or salt and water, is the ammonical solution of copper carbonate, called "Cupram." This is a valuable fungicide which does not soil the foliage in the least. By syringing the plants twice a week with this solution the required amount of moisture to check the development of the red spider can be furnished without supplying a forcing bed for rust and the spot diseases. It is made as follows: To one volume of 26 degrees ammonia add seven volumes of water. If one quart of ammonia is used suspend five ounces of copper carbonate in the mixture of water and ammonia; cover and allow to stand over night. For use take one quart of the clear solution and add four gallons of water.

Where the thrips has once gotten a foothold in the buds of the carnation the only method of controling him is to carefully gather all the buds which show his work, before they open, and destroy them. No old soiled flowers should be left in the benches.

In conclusion, I would recommend the following measures to prevent and control the three worst pests that trouble carnation growers: If possible select land that has grown corn or potatoes one year after being in sod. Avoid having old hedges and rubbish patches on the margins of the carnation field. (These harbor red spider and greenfly.) Never plant carnations under or around trees. (The latter harbors red spider.) Do not grow cabbage or related plants by the side of the carnation. (These furnish abundant crops of thrips.) At time of transplanting use heroic measures. First dip the plants in a soap solution, being careful not to get the solution on the roots. This solution can be made as already recommended from ivory soap or from Good's potash soap, Owen's U. S. standard caustic potash soap, or even from a home-made fish oil soap. Of the latter use one gallon of soap to 32 gallons of water. The home-made fish oil soap is made as follows:

Caustic potash	1 pound.
Fish oil	3 pints.
Soft water	2 gallons.

Dissolve lye in the water, then add oil and stir. Boil from 20 minutes to one hour.

As soon as plants are established in benches syringe thoroughly with the ivory soap solution, giving a second treatment ten days later.

The above treatment should free the plants of all three pests, but a later treatment may be needed for greenfly which have found their way into the house through the ventilators. If these are discovered while the plants are short and not flowering to any extent, fumigate with hydrocyanic acid gas, using one half ounce of 98 per cent. cyanide of potassium, one ounce of sulphuric acid and three ounces of water to every 1,200 cubic feet of space in the house. Allow gas to act all night. A week or ten days later repeat the fumigation. Remember that this gas is one of the most deadly poisons known; be sure the workmen realize this fact. After all the above precautions have been taken, do not store any plants under the benches.

The florist who becomes convinced that he must fight these three pests each Fall from the start, will be the one who will have the best success.

TRANSIENT PESTS.

The worst of these is the "variegated cut-worm," (Peridroma saucia) and the "cabbage looper" (Plusia Brassicæ, The former, while small, is a climbing cut-worm which feeds at night and hides in the loose soil during the day. This is one of the most common of the cut-worms. It is found in nearly all countries, and usually occurs in forcing-houses more frequently than other cut-worms. In color it is a sooty brown with a yellow stripe mottled with red on each side of its body. The head is reddish yellow. The adult insect, or moth, is very indistinctly marked. Many writers have assumed that this cut-worm is carried into the house in the soil. The fact that they occur in forcing houses more frequently than other species of cut-worms, combined with the fact that they are often found in considerable numbers in spots throughout a house, indicates that the eggs are deposited on the carnations by the parent moth, or "miller" after transplanting. The latter can easily fly into houses on cloudy days and early in the evening during the months of September and October. The young worms climb to the buds, eat holes through the calyx and then devour all the floral parts.

THE CABBAGE LOOPER.

Is shown in the adult and caterpillar stage on Plate IV. The caterpillar is a light green worm about 1½ inches long, when full grown, which can always be recognized by its habit of looping the body when traveling. The moth or miller has mottled dark brown head and wings. Two white spots on each forewing sometimes resembles the figure 8. The hind wiugs are slate color varying to tawny, while the body is covered with gray and tawny red hairs. This pest, like the variegated cut-worm, feeds usually at night on the buds and in the same manner. During the day they attach themselves to a stem of the plant by means of their caudal legs and stand at the same angle as do the leaves. This habit requires sharp eyes to find them. They



PLATE II.—Red Spider (*Tetranychus telarius* on Leaf of Carnation. Shows Adults, Young and Eggs. All Enlarged.

can be carried into the house on the plants, but usually the female moth finds her way into the house through open ventilators. They are on the wing all the Fall, especially on cloudy days and late in the afternoon. Like the cut-worm moth they are able to lay two or three hundred eggs—hence one fertile moth can very thoroughly distribute eggs to all parts of the house.

The best means of combating either or

both of the above pests is to hunt for the caterpillars at night with lanterns and hand pick them. Although some have recommended the use of Paris green, it is impossible to get enough poison on the buds of the carnation to kill the worms. After the cut-worms get too large to climb, a poisoned bait, made by mixing one part green arsenite with 15 parts of middlings or dry bran, can be used to advantage. This should be distributed in small heaps around the plants where the cut-worms are at work.

THE WHITE GRUB.

As far as known the white grubs never occur in forcing-houses except as they are carried in with the soil. The only way to get rid of them is to dig them out.

THE ROSE-LEAF TYER (Cacoecia rosaceana)

And the "chrysanthemum leaf-skeletonizer" (Phlyctaenia ferrugalis) sometimes occur on carnations where roses and chrysanthemums have been grown in the same house. These pests will attack the carnations after the other plants have been removed. When they are found working in a house hand picking must be resorted to.

A small green worm, probably a tertricid, which ties a number of leaves together with a web, is sometimes carried from the field into the house with plants. The adult of this worm has not been bred, hence its scientific name is not known, nor do we know what other plants it feeds upon in the field. Thus far it has been gotten rid of easily by hand picking.

A fly, about one-half as large as the house fly, is frequently seen in carnation houses during the Winter. This has been reported as feeding in the maggot stage on the roots of the carnation. I have seen flies very numerous in houses but have been unable thus far to prove that they feed in the larval or maggot stage on the living roots of the plants. It seems more probable that they feed on the decaying roots only.

WHITE ANTS OR TERMITES (Termes flavipes).

This pest is apt to occur in old style houses in which the woodwork has been allowed to become partially rotten, especially if worm eaten locust posts are used to support the benches. White ants have the peculiar habit of keeping away from daylight. They always make covered runways and usually find their way to the bench through a rotten or worm-eaten post. Houses that have brick or stone foundations and iron posts for the benches are not troubled with "white ants," unless the latter are accidentally carried into the house in the soil—a thing that rarely happens. When once established in a house the only method of getting rid of them is to throw out the soil and remove all rotten woodwork. Creosotes and other wood preservers can be used on the posts and bottoms of the benches, but such substances should be used with care on the outside of benches. I have seen houses of chrysanthemums severely injured by fumes given off by wood preservers. Probably this would only occur where such treated wood is subjected to considerable heat from too close contact to pipes.

FULLER'S ROSE BEETLE.

I think this insect has never been reported as feeding upon carnations. In October of 1899 I received specimens of this beetle from Little Falls, N. Y., accompanied with the statement that they were feeding on carnations. At first it appeared a difficult matter to account for their presence in the carnation house and at that season of the year. Inquiry developed the fact that in 1897-1898 the house had contained roses in solid beds. During Fall of 1898 the roses were taken out, six inches of the old dirt removed and replaced with new soil, after which carnations were planted in the beds. In 1899 benches were built over the old beds without removal of soil from latter. When first noticed the beetles were always found feeding on the plants along the margin of the benches. Probably the beetles fed during the grub stage on the roots of the roses, this being their proper food plant. In 1899, when they issued as adult beetles, they found nothing but carnations to feed upon. From all reports they were satisfied with the change. It was found that the beetles feed principally at night and hid away under the foliage of the plants during the day. They were gotten rid of by hand picking at night.



FIG. 2. FIG. 1.

PLATE III. Work on Thrips on Mrs. James Dean. Fig. 1, Tobacco Thrips greatly enlarged (1) represents natural size. Fig. 2, Heliothrips from Fern.

Discussion.

William Scott detailed his experience with hydrocyanic acid gas, which applied according to the formula given had been efficacious in killing greenfly and black aphis without any injury to the plant, except where the fumes came directly from the pot. He asked whether a milder mixture allowed to act all night would not be as effective. Professor Sirrine recommended half an ounce of cyanide of potassium, one ounce of sulphuric acid and three ounces of water for every thousand cubic feet of air space, the mixture to be allowed to operate all night. Low-growing plants, such as violets, were less liable to suffer from its effects than carnations and chrysanthemums, on account of the tendency of the gas to bank. In answer to a question the Professor thought that the gas would be sufficiently dispersed in the morning to allow safe entry into the house.

Mr. Ward told of some experiments with hydrocyanic acid gas at Queens, where the fumes had descended into the heating pit, through the passage for the steam mains, with some evil results to the foreman on the following morning, also remarking that the strength of the gas was sufficient to kill the greenhouse cat. He had not noticed any damage to the flowers, excepting little white rings on those buds which were still in the "cup" shape, and these rings were not noticeable until four weeks after the fumigation had occurred. Perhaps 15 or 20 per cent. of the plants were affected altogether.

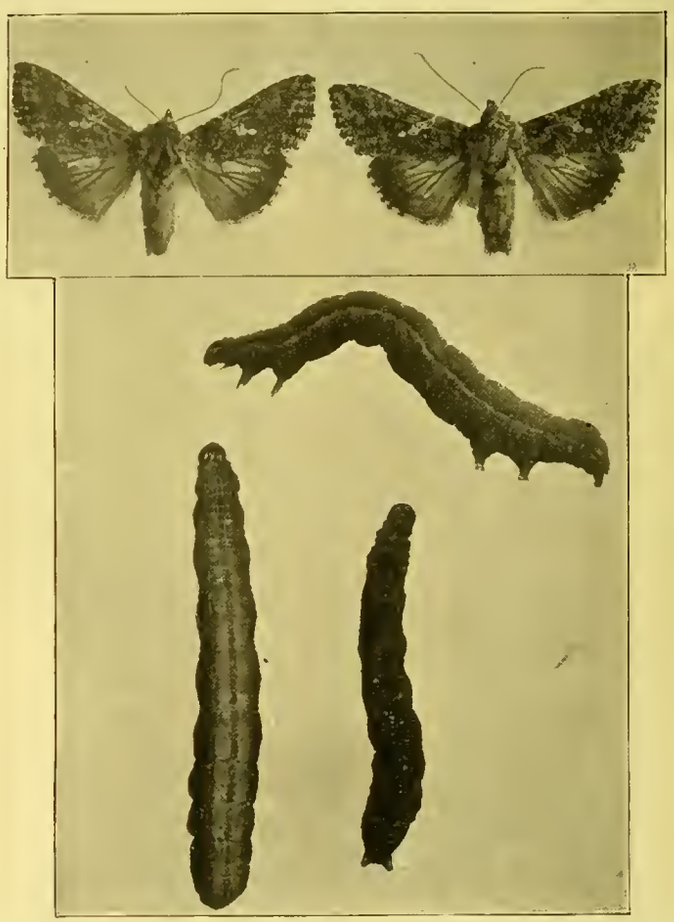

PLATE IV. Cabbage Looper (Plusia brassicæ). Adult Moth and Worms. All enlarged.

Aphis Punk.

Mr. Scott asked whether any of the gentlemen had used the new article known as Aphis Punk. While it was more expensive than tobacco, he had proved it for the last three months as very efficacious for greenfly, and it had not left any nauseating odor on the flowers and had done but very slight injury to the plants.

Mr. Ward—I want to disagree with Mr. Scott just as pointedly and as radically as I do on the butted glass question. (Laughter.) The Aphis Punk man was down at our place the other day. I ordered a barrel and told our man to try it and report. (Mr. Ward repeated his foreman's words regarding the odor, his expression being more forcible than choice). Continuing, he said: "There may be a great variation in the Aphis Punk. I have found in using the various nicotine preparations, whether painted on the pipes or evaporated from Lonsdale's paas, that they leave the least odor of any of the tobacco preparations."

Mr. Scott had tried Aphis Punk on Daybreak, a variety which was very susceptible to greenfly; had used it once a week, and all the fly had disappeared. The flowers from that house had been sold at his store and he could not detect any bad odor. He was inclined to think that Mr. Ward's foreman had smelled the odor of the dead cat and not of the Aphis Punk. (Laughter.) Mr. Ward reiterated that that cat had had a decent funeral about three years ago, and still stuck to his statement that the odor from the Aphis Punk was very strong.

Mr. Weber inquired if Aphis Punk was as cheap as tobacco stems, when one had to pay $6 to $8 per ton for the stems. Mr. Scott remarked that it was a little expensive, costing about 5 cents a small roll. His houses are 125 feet long and he uses four rolls to the house, or 20 cents' worth. That would be considerably more than tobacco stems at $5 to $6 a ton, but Aphis Punk was much easier applied. Its greatest drawback was possibly the expense.

Mr. Kasting referred to the good success which Mr. Guenther had met in growing roses by the use of Aphis Punk. It had left no deleterious effects whatever on the rose buds. Mr. Hagenburger, of Mentor, Ohio, had used the Aphis Punk in fern houses for greenfly, without injuring the young foliage even in fresh growth. Mr. Graham had used it in a palm house without any fear of damaging the leaves. He had not tried it on carnations for the simple reason that it was expensive. Mr. Scott had used it on violets also with very good results in the removal of greenfly. Mr. Hagenburger had also used it on violets in sash houses, but it did not work so well there as in the fern houses, probably owing to the house not being so close.

Mr. Ward asked if anybody had tried ordinary paper soaked in nicotine and burned that. Mr. Kasting remarked that the paper used in the manufacture of Aphis Punk was made especially for the house selling the insecticide. Mr. Ward stated that tobacco-soaked paper was not a new thing at all; it had been used in the old country many years ago. Mr. Scott pointed out that tobacco-soaked paper was a different thing. It was coarse, coming in large rolls, was of different texture and burned quickly. Perhaps the idea came from that paper, but the Aphis Punk was manufactured in this country.

Mr. Nicholson intimated that perhaps tobacco paper treated with saltpeter, as is done in the case of "match paper" in the old country, might prove efficacious.

A vote of thanks was passed to Professor Sirrine for his admirable paper.

The Banquet.

The banquet given by the Buffalo Florists' Club was one of the most enjoyable experienced in the history of the Carnation Society. A tastefully gotten up menu card, designed by Daniel B. Long, showing a bunch of red variegated carnations on a green background at left-hand corner, and a bison embossed in gilt at lower right corner, set forth the following details:

Entertainment—des Dianthus, la divinite.

An Attempt at Hybridizing.
Wit and Common Sense Crossed with Gastronomy.
Informality the Rule.
Everything ad. lib.—No Restrictions.

Chef des Hybridizeure ....WILLIAM F. KASTING.
Assistes..... ..... WILLIAM SCOTT, CHARLES H. KEITSCH.
Demonstrateur des resultats...WILLIAM SCOTT.

EDIBLES.

Enquirer Full-Standard Bluepoints.
Lawsoniana Golden Grade Croquettes.
Gomez High-temperatured Solanum, Escaloped.
No. 666 Bred Chicken Salad.
American and Crane Cured Ham.
Gullible Investors' Tongue.
Rio Roosevelt Coffee.
Bradt-Sport Olives and Gherkins.
L. I. Glacier Ice Cream—Snow Queen Flavored.

IRRIGATIONS.

May-flower Beer—Onlyx Tap.
Cerise Bloom Rhine Wine—Nugget Blend.
Marquis High Notch Punch.
Irene and Genevieve Cigars.

The toastmaster, William Scott, having been introduced by President Kasting, made a few happy remarks, asserting his belief that there was seated at the tables "the best lot of men ever assembled at a carnation convention." He had great hopes all would return to the Pan-American Exposition in 1901, and pointed out several attractions by way of inducements that would be forthcoming at that time.

President William Craig responded for the American Carnation Society, expressing high appreciation of Buffalo's hospitality. His remarks were couched in well-chosen language, causing Mr. Scott to state: "You all know what an eloquent orator Robert Craig is. I believe if the boy is spared he will beat his father." (Laughter and applause.)

William Weber replied for the meeting in 1901, foretelling success and a satisfactory augmentation to the society's membership.

John N. May spoke for the S. A. F., telling how proud the mother was of her flourishing offspring, and predicting great things for the carnation and a grand successful meeting at Baltimore, where the well-known Southern hospitality would surely assert itself.

E. G. Hill, in a patriotic manner, responded to "America," commenting humorously on the low scaling given Indianapolis in the contest for a meeting place for 1901. "The State of New York and Governor Roosevelt" was assigned to Mr. Ward, who spoke eloquently on the bravery, good sense and sound judgment of the Governor, adding, "the gentleman who can stand the name of a carnation so good as Governor Roosevelt without getting a swelled head is no ordinary man."

W. N. Rudd felicitously referred to the scoring of 100 points made to Enquirer, and his alleged misquotation of Scripture, and pointed out that the value of these conventions was to know the gentlemen with whom one is dealing, to know what other centers of trade are doing, and what others are thinking. The man who grows carnations and has not enterprise enough to attend these conventions is "mighty small potatoes."

Wm. Gammage, of London, Ont., told of the progress making in carnation culture in Canada, the launching of their new trade paper, and expressed the hope that some Canadian point would be selected as the society's meeting place in 1902.

The toastmaster then presented the various trophies to their respective winners. Eugene Dailledouze, the recipient of the Lawson gold medal and Chicago Carnation Company's cup, and Richard Witterstaetter, winner of the Lawson silver medal, each responding in a befitting manner, and promising to be out for blood again next year.

Mr. Marquisee spoke on behalf of "The Marquis" in an eloquent manner. He was followed by Charles Keitsch, to whose untiring energy and that of his assistants the success of the exhibition was due. Mr. Keitsch received modestly the well-deserved encomiums that were heaped upon him. George E. Funcourt created some merriment by the reading of several "cablegrams" and "telegrams" from notable personages, among them Admiral Dewey, Oom Paul, "Bobs" and Joe Chamberlain, the latter promising to discard orchids and turn his attention to carnations. Mr. Miller, of Bracondale, Ont., made a very neat little speech, treating on the grand display of carnations, and touching on the most cordial relations existing between the United States and Canada.

During the evening a host of talent kept the company in the best of spirits. Steve Brodie's appearance on the platform and his brief address was a feature of the night's enjoyment.

The assembly broke up at the "wee short hoor," and everybody voted that Great Scott and his hospitable colleagues had "vindicated their characters as entertainers" in a measure full to overflowing.

President-Elect Robert Halliday.

Robert Halliday, the newly elected president of the Carnation Society, is a man among men. Hereditary traits from both his father and mother have developed our worthy craftsman into an ideal gardener. He is the grandson of that stalwart, noble Robert Halliday who established himself in Baltimore in 1839; and on his mother's side is a grandson of John Dick, of Philadelphia, whose establishment dates back to 1837. His friends hailed with delight his election, especially as he was not present at the convention.



ROBERT HALLIDAY,
President-Elect American Carnation Society.

Robert was born at Philadelphia on July 21, 1865. He attended the private schools of Baltimore, and when ready to venture upon a calling selected the one which his father, Robert J. Halliday, had chosen. He entered his father's establishment, in which he was a faithful worker. In 1889 he, with his brother, started on their own responsibility, and under the firm name of Halliday Brothers have conducted a successful business, both from a grower's and a dealer's standpoint. In 1899 Mrs. Mary J. Thomas retired from business and Halliday Brothers succeeded her.

"The boys," as all popularly call them here, have taken a great interest in carnations. Bob is the controlling spirit, as far as the carnation is concerned; he makes them "talk"—a view of his houses will easily demonstrate this fact.

Mr. Halliday is naturally a retiring man, unassuming in manner, stands over 6 feet in his stockings, and is as straight as an arrow; and his firm handshake betokens the true, friendly heart that beats within him. E. A. S.

Vice-Pres.-Elect William Weber.

William Weber is the son of that well-known carnationist, Henry Weber, of Oakland; he was born near Mount Savage, Alleghany County, Maryland, November 5, 1869, and removed to Cumberland with his parents when but a year old. He grew upon the farm after the manner of most country lads, with the exception that he was always getting into trouble and had to be frequently disciplined. From his earliest days he evinced a love for flowers and spent many hours gathering such from the fields.

Later, when he had his own little garden, he eagerly took all plants given him to raise, as well as all those he could get his hands on when the foreman was not in sight. He proved an obstinate pupil in the greenhouse, and many were the trials of the foreman who was charged with the difficult task of making him an obedient and capable florist.

At the age of 13 he removed with his parents to Oakland. Here, at the age of 15, he was given a small greenhouse, 60x12 feet, and the real work of developing into a florist was begun. Houses were added from time to time, and gradually the carnation became uppermost in his mind; and he is now paying more attention to this plant than to any other, although the establishment of about 65,000 square feet is devoted to general stock.

He attended the public schools until he was 15 years old; this constituted his education, and what else he has acquired has been from observation, books, papers, etc.

Upon attaining his majority he was admitted into partnership in the firm of H. Weber & Sons, and has direct charge of the greenhouse department. He is a member of the American Carnation Society, Society of American Florists, Gardeners' Club of Baltimore and the newly organized American Rose Society.

FIRES.

WOLLASTON, MASS.—Fire in the greenhouse of Samuel Brown did damage to the extent of $500, February 14.

Box Factory Burned.

The Dayton Paper Novelty Co., at Dayton, Ohio, recently met with a serious loss by a disastrous fire which completely destroyed their factory. This will prevent the filling of orders for the present, but they expect to be in shape again within ninety days.

Concord, N. H.

During the recent flood the greenhouses of J. A. Littlefield were submerged so as to extinguish the fires, freezing all the plants and causing a damage of several hundred dollars.

ATHOL, MASS.—During the recent storm the greenhouses of James Sutherland, Jr., were partly under water, many plants being ruined.

TOBACCO STEMS
"Good Strong Kind."
60 CTS. PER 100 LBS.
BALES WEIGH 500 LBS.
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Fine or Coarse to Your Order.
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116 WEST STREET, NEW YORK CITY.
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Tobacco-Whale Oil Soap for syringing for washing plants. We Know its Goodness. All Seedsmen Keep it

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO., LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

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To foreign countries in postal union $2.00. Payable in advance. The date on the address label indicates when subscription expires.

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Special positions extra.

No advertisement less than 75 cents.

Discounts on continuous advertising.

For rates, on Wants, etc., see column for classified advertisements.

Copy must reach this office not later than Thursday in order to secure insertion in issue of the following Saturday.

Orders from unknown parties must be accompanied by cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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Several communications on the subject of charges for packing are unavoidably held over till a future issue.

Town Topics, of Cleveland, describes in glowing terms some recent wedding decorations executed by Mrs. Ella Grant Wilson.

Firms Who Are Building.

LOCKLAND, OHIO.—W. K. Partridge will build two new greenhouses, each 400 feet in length, for roses.

EAST WEYMOUTH, MASS.—Ryan Bros. are putting up three greenhouses.

WEST LAFAYETTE, IND.—H. Roth will build two new greenhouses the coming Summer to meet his increasing business demands.

BANGOR, ME.—A. J. Loder will build a greenhouse here.

With its first issue of January last Indian Gardening (Calcutta) entered upon a new phase of its existence by the addition of a planting and agricultural section. The paper has been considerably enlarged and improved in appearance, and is up to date in every particular.

A CHANCE FOR THE YOUNG MAN.

With a view to encouraging the "art of writing" articles; in other words, the expression of their views on paper, among the young men employees in our florist establishments, the FLORISTS' EXCHANGE, with last issue, instituted a series of competitions, and as an initial step offers the undernoted prize for the best written paper on the following subject:

Care of a Hot Water Boiler.

The contestants are requested to give their ideas on the subjoined points:

What is the best way to care for a hot water boiler in order to get the most heat with the least fuel?

How to have the pipes cool through the day when there is plenty of sun heat, thus saving fuel at the same time and still have the fires in such condition that they may be rushed quickly should it be necessary to do so.

Give a résumé of how to manage such a boiler for 24 hours, beginning at 7 a. m.

PRIZE.—$4 worth of books or magazines; or $3 in cash.

CONDITIONS.

(1) Each MSS. submitted must be written by an employee, without assistance, and the authenticity of these facts attested by the employer.

(2) No employee now contributing, or who has at any time contributed to any florist trade journal, will be allowed to compete.

MSS. must not exceed one thousand words in length.

All MSS. submitted in this competition to become the property of the publishers of the FLORISTS' EXCHANGE.

The awarding of the prize will be based on the practical knowledge exhibited by the writer in the treatment of his subject.

Competition will close March 7 next. Write plainly on one side of the paper only.

Address all communications,
EMPLOYEES' COMPETITION, FLORISTS' EXCHANGE,
Box 1697, New York City.

American Carnation Society.

The Buffalo meeting of the American Carnation Society has passed into history and will rank as one of the most succesful of the society's gatherings, both from the standpoint of attendance and also the high standard of quality of the flowers shown on exhibition. The number of papers read before the society was comparatively few, but the subjects dealt with were extremely interesting. One of these papers, namely, that of Mr. Hartshorne, on "Indoor Culture," and the discussion which followed thereon, has already appeared in our columns. Professor Sirrine's paper on "Insects Infesting Carnations," together with the discussion upon it, appears elsewhere in this issue. Growers should pay particular attention to what the Professor says regarding the generally accepted theory that water is a sure cure for red spider. The Professor stated: "I have yet to see it proven that syringing plants with water has any effect on the adult insect; a few of them may be knocked off the plant by the force of the water, but they will soon crawl back." Mr. Sirrine also points out that the spider luxuriates in fresh air and sunshine, conditions which are considered by some to be inimical to its welfare. The paper is worthy of careful perusal.

* * * *

The sparsity of the essays this year allowed time for considerable discussion of other important matters. While no definite conclusions have been arrived at regarding the use of sub-irrigation, the consensus of opinion, as expressed, was that the method was too costly when compared with the resultant benefits.

* * * *

A spirited discussion took place regarding the proposition to amalgamate the meeting of the Rose Society and the Carnation Society. The matter is still undecided, and we would respectfully call the attention of the members of the two societies to the views of the different gentlemen who spoke on the subject. The history of joint meetings of national societies does not show that such are conducive to the welfare of some. We will instance the Chrysanthemum Society of America, the interests of which have been decidedly impaired, in our opinion, by the annual meeting of the society clashing with that of the Society of American Florists.

* * * *

We would have liked to have seen the subject of cutting prices more fully dealt with. Mr. Ward's proposition to shut off the supplies of the most desirable new articles from those who persist in cutting prices is a good one, and might tend to help matters, provided those who supply are not guilty of the same practice.

* * * *

The discontinuance of side ventilation by one of our best growers, namely, Dailledouze Bros., is a point that should be carefully studied out, particularly with those who have adopted the comparatively new method of indoor culture. Mr. Dailledouze asserts that the side ventilation necessitated a too frequent use of the hose, thereby souring the soil. He had also found that the temperature in the houses was lower with top ventilation only than when both top and side ventilation had been applied.

* * * *

The express companies came in for a share of attention, and we would ask our readers to note those companies which have rendered the best service to some of the shippers, and who are reported as being amenable to reason in the case of damage or loss. There is no question but what considerable annoyance is caused by the position taken by some of the express companies, and a test case, as proposed, might have some beneficial result. We were glad to note the feeling that existed among the members, that the society as a whole should take up the cudgels in this respect, to fight the oppressors.

* * * *

It is gratifying to observe that the society is endeavoring to come to some understanding as to what is the ideal flower. When this has been arrived at the work of the judges will be simplified and probably more uniform decisions rendered.

* * * *

The perennial attempt to discover the growing qualities of a carnation was again made and resulted, as usual, in nothing tangible being done. It would be well if the members would pay particular heed to the advice of Messrs. Rudd and Ward, printed elsewhere in this issue, regarding this subject. It has been time and again pointed out that the only way to come to a true knowledge of the growing qualities of a carnation is to grow it, and any discussion tending to saddle the American Carnation Society with this work is, in our opinion, simply time wasted.

LEGAL NOTES.

Too Much Light.

In the case brought against Daniel E. Gorman, Williamsport, Pa., on the complaint of a neighbor who alleged that the front rooms of his dwelling house and the porch were made uninhabitable by sunlight reflection from the greenhouse glass of Mr. Gorman, the judge has delivered his decision, giving the defendant until May 1 to remedy the matter, failing which an injunction will be granted.

A Question of Responsibility.

Will you please have the following situation explained: A is a greenhouse man who rents out palms to any one who has the price; he does so for several store men who have no plants of their own, on commission of 80 per cent. of the price of the decoration. B, a store man, recently got some plants on these terms to decorate a lodge hall. A delivered 31 plants, with pot covers, in the building, and sent back the next day to get the plants. There were three plants and two covers missing, value about $6. A looked to B for their value. B refused, saying he could not stand and watch the plants and was not responsible; but he appealed to the lodge, which disclaimed any responsibility, on the same ground that B took. The question is, Who is to stand the loss?

—The facts as stated above make up a case which is embodied in the Law of Bailments. A is the bailor and B is the bailee for hire. B was bound and obliged to use an ordinary amount of diligence and care to protect the plants while in his possession, and was liable for greater than slight negligence. However, in the absence of an absolute agreement to return the goods at all hazards, the failure to return is excused by the loss of the property by theft or by accident, without B's, the bailee's, fault. It is oftentimes a difficult thing to determine what constitutes an ordinary amount of care, but, from the facts given in the above question, I would say that A would have to stand the loss in the absence of an express agreement on B's part to return the goods; B was not under a duty to keep watch of the goods continually while they were in the lodge room. If the goods were stolen, and there is no proof but that B used an ordinary amount of care for their protection while in his custody, A, the bailor, has no redress against B or against the lodge. The title of the property still remained in A, and his only redress, in my opinion, is against the party who stole the goods.

Since B used the amount of care which the law requires of a bailee for hire, for the protection of goods which are hired or rented by him, a bailee for hire is not bound to use the amount of care which is required of a party to whom goods are loaned gratuitously. [E. F. E.]

ROBERT G. PERRY,
Attorney for National Florists' Board of Trade.

Seed Testing Indorsments.

Editor Florists' Exchange.

I have been very much pleased at a departure apparently inaugurated by Messrs. Templin & Sons, Calla, O. They print on the backs of their packets of vegetable seeds the following:

"1900. The seeds from which this packet was filled have been carefully tested at the Blythedale Seed Testing Laboratory, the result of which shows that under favorable conditions 90 per cent. will grow. 1900."

They also guarantee that their seeds shall be true to name, pure and of the strongest germinating quality, and offer to refill an order if satisfactory proof is furnished that the guarantee has not been lived up to.

The practice of printing the percentage of germination on the authority of some good seed testing establishment seems to me to be a highly commendable one. I believe that the time is coming when the seedsmen can no longer afford to shield themselves behind their absolute non-warranty clause. That they cannot guarantee a crop every intelligent person will admit, but they should have sufficient confidence in the seeds for which they usually claim superior excellence to be willing to share the risk with the planter.

I think Messrs. Templin & Sons are to be commended for their stand.

A. J. PIETERS,
In Charge of Pure Seed Investigations.

Horticultural Orthography.

Editor Florists' Exchange.

The good, all-round scolding administered by the American Florist to catalogue-makers on the subject of incorrect spelling of plant names, and the accusation of carelessness and ignorance thereby displayed, is timely, and will no doubt have a salutary effect on the perpetrators. But when one assumes the position of a faultfinder, or critic, along any line, others are apt to look whether he keeps his own doorstep clean in this same respect. On a cursory glance among the advertisements appearing in the same issue that the above-referred-to "laying-out" occurs, I come across the following errors: In rose nomenclature: Baron Bonstettin for "Bonstetten;" Anna de Diesbach for "Anne, etc;" Coquette des Alps for "Alpes." In palms: Cocos Wedelliana for "Weddeliana (Weddel's palm)," etc. Why, in his own article, he even misspells the word misspelled thus: "mispelled" and talks about the feeling of disgust which every well-informed person "fells" at such an exhibition.

But, of course, these appearing where they do, must be errors on the part of that much abused individual—the printer, and not the result of "carelessness" or "ignorance," as are "popaver," "rubbeckia," and other "atrocities" so unmercifully scored by the writer of the scathing article in question.

I am inclined to believe, Mr. Editor, there is really some truth in the old saying: "Those who live in glass houses should never throw stones."

SPELLING BEE.

New York.

The Market.

The first snow storm of the season arrived last Saturday, and, it came with enough wind accompaniment to give a severe check to business in cut flower lines. The receipts of roses are not very heavy, however, and dealers have been able to hold the price of top-grade flowers very close to the figures obtained last week. But lower grades have perceptibly weakened, and at this writing (Wednesday) it is apparent that a general slump in prices may occur at any time, seeing that the Lenten season is so near and society events are about over. Usually Bride and Bridesmaid roses sell at the same values as each other, but this week such has not been the case; the demand for the white is much smaller than for the pink variety, consequently values for Bride have ruled somewhat lower than Bridesmaid.

Violets always suffer when the weather is too cold or too stormy for the street vendor to handle them, and, as the severity of the storm kept the peddlers off the streets from Saturday until Wednesday, violets accumulated to a very great extent. On Wednesday, however, the weather had moderated enough to enable the peddlers to resume business again and violets began to move, though at a much reduced figure than that which obtained one week ago.

Carnations continue in good demand, especially for fancy and special varieties.

Bulbous flowers are plentiful in all lines. Single tulips, either in pink, or yellow, can be had at $2 per 100. Double pink ones bring $4; Narcissus Poeticus, $1; daffodils, $1.50 to $2.50, according to quality. Valley can be had at from $1.50 to $4 per 100.

Lilac is not moving so freely, and a falling off in price is observed; fine white sprays that recently brought $2 per bunch now hang fire at $1.25. Purple sprays are offered as low as 50c. per bunch.

The only flower for which there is a a demand over the supply is the cattleya; more of these could be sold at present were they obtainable. Some short fronds of adiantum are coming in, for which only 75c. per 100 is realized; for some weeks past adiantum has remained steady at $1.

J. H. Small & Sons have a choice collection of cinerarias in one of their windows. This firm reports heavy business in decorations all through the season.

C. Schenck, secretary of the sporting committee of the Florists' Club, has, up to the present time, received but one communication in regard to the bowling tournament to be held here in August next during the convention of the S. A. F. O. H. Captains of teams that intend entering the tournament should notify Mr. Schenck at their earliest convenience. The club already heard from is Philadelphia.

Eugene Dailledouze recently showed us the silver cup won by No. 3 in Buffalo last week, and it is a beauty—so is No. 3.

Chromley & Perkins have rented the store at 57 West 28th street, and will occupy the same about March 1.

At the Japanese sale held by Cleary & Co. this week, the rarest plant of the collection, a Chabo-hibo, was knocked down to Wm. Plumb.

Visitors: J. C. Vaughan and J. D. Thompson, Chicago, Ill., and C. Fleming, Bridgeport, Conn.

Boston.

The Market.

Business has shown a slight improvement this past week. Beauty are a little more plentiful; still, good ones are short enough, and sell fairly well at $25 to $35, smaller grades ranging in price from $4 to $20 a 100. Bride and Bridesmaid of best quality are scarce; in fact, all grades are, but naturally the finer ones more so. Best quality now realize $16 to $20 a 100. Meteor are in fair supply. The first Jacqueminot of the season were brought in by Henry Cartwright on Wednesday. They were cut from pot-grown plants, and though short stemmed were pretty good flowers. The first dozen brought $2.50.

The scarcity of fine white and Daybreak carnations continues, and these kinds do very well, averaging $3 a 100; smaller grades make $2 and $2.50. Colored sorts are more plentiful and ordinary kinds bring $1.50 to $2 if of good quality; fancies make $3 to $4.

The quantities of bulbous stock on the market increase daily, as does the variety. Von Sions and Trumpet narcissus are very plentiful at $1.50 to $2 a 100, while Princeps make $2.50. Poeticus is now coming in quite plentifully at $1.50 to $2 a 100; Campernelles make 75c. to $1 a 100. Paper Whites are a drug at 75c. to $1 a 100. Tulips also are quite plentiful, and are in greater variety. This week Tournesol, Murillo and other double varieties appeared. Prices on the common ones average $2 to $2.50 a 100, while the double sorts make $3 to $4 a 100. Hyacinths, both Dutch and Roman, are in good supply, the Dutch ones selling well at $3 to $4 a 100, while Romans go rather slowly at $1 to $1.25 a 100. Valley, too, is plentiful, at rates from $2 to $4 a 100. Harrisii and callas are abundant, and do well at $6 to $8 a 100.

Jottings.

President E. M. Wood has returned from a very delightful cruise in Southern waters.

The Boston delegation to the convention of the American Carnation Society has returned, and report a splendid convention and exhibition and a hearty welcome on the part of the Buffalo florists. Several took a trip to see "The Marquis" at the houses of the originator, L. E. Marquisee, and think highly of it. From there the journey was continued to New York, where the carnation houses of Dailledouze Bros. and C. W. Ward were visited and found to be in excellent condition.

Wm. H. Long started Thursday week in charge of the Thorndike Floral Co.'s store on Boylston street.

Mrs. Rogers opened her store on Summer street Monday, February 19; Charles Knowles, formerly with J. Newman & Sons, is now associated with Mrs. Rogers.



WILLIAM WEBER.

Vice-President American Carnation Society.

We are advised by Wm. H. Elliott, of Brighton, who was reported last week as having undergone an operation for appendicitis, that he is getting along very nicely, the operation having been quite successful.

Wm. A. Bock, of North Cambridge, has a fine lot of Boston ferns, azaleas, lilies, rhododendrons, hydrangeas, etc., and has prospects of an attractive showing for Easter trade. He has been kept very busy the past weeks packing ferns for the Western States.

Philadelphia.

The Market.

Evidently the social season is over, not waiting for Lent to come, as the past week has been an unusually quiet one with most of the stores. Many families have already gone to Europe, and others are in the South; as a consequence flowers are not selling freely. Roses are rather more plentiful than last week, excepting Beauty; these are yet short of the demand. No advance in price has been made, the call not being brisk enough. A few extra selected Beauty have sold at $7.20 per dozen, but $6 is about the regular price for the best.

There is yet a demand for red and pink carnations; other colors are in plentiful supply. Yellow is over abundant just now, no doubt owing to non-consumption, there being lots of narcissus to be had. Bulbous stock is still not selling well.

Of the retail stores H. H. Battles has had a very busy week, working late every night—dinners and receptions being the chief functions. On Thursday he had the dinner decorations for the Bar Association function at Horticultural Hall; 650 covers were laid, there being eight tables. Both flowering plants and cut flowers were used.

Jottings.

The theatre benefit of the Bowling Club has been arranged for March 16 at the Walnut Street Theatre. Tickets are now on sale. If a member of the committee doesn't call upon you, ask for tickets at the club room.

Wm. Sutherland is home again from a trip to Great Britain, after passing through many thrilling experiences.

DAVID RUST.

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Chicago.

State of Trade.

A week of real Winter weather, lowest temperature 8 degrees below, has not stopped a good business all along the line. It has been a little tough on shipment of plants, out of as well as into the city, but still it goes right on without very serious damage reported. What a change in this respect from old times.

We also note the grumbler is the exception, which is pretty good evidence of a better condition of things this Winter. If the grower's cut is not what he thinks he has a right to expect he has no kick as to the price for stock he does bring in, at least in the staples of roses and carnations. The whole season through has been good, from Thanksgiving to Lent, for we are now near enough to that once bugbear of the flower man, to be certain that no great drop in prices nor unwieldy glut will befall us in this city before that time.

As one grower observed this morning, with the Spring warmth and sunshine, a heavier crop of flowers is sure, hence, if prices do drop a little the total sum obtained will more than make up for the loss.

Roses may be said to be all cleared off at good prices. Meteor, possibly through extreme cold, hard to find enough to fill demands the past week. Bride and Bridesmaid a trifle more plentiful and a shade lower in prices, if any are left over after orders are filled. Good Beauty still below demand, except shorts and culls, which, however, move with concessions. Perle less in evidence than in former years, and often more could be sold if extra fine. Price: Extra long stem Beauty, $6 to $7 per dozen; mediums, $4 to $5; Bride, Bridesmaid and Meteor, best selected, $8 to $10; firsts, $6; short or weak stemmed, $3 to $4; Golden Gate, $10.

Carnations in good supply, but still excellent sellers from the fancies down to common; rarely any necessity to job lot off. Bradt seem to move better again than awhile back; at any rate they are not so much in evidence after the morning sales. Fancies sell at $3 to $4, very few at $5; best whites not above $3; standards, $2; common stock, $1 to $1.50, and not a great deal of this grade.

Violets plenty for all demand, the cold weather always affecting their sale. Last week a speculator came to grief in attempting to corner for Valentine's Day. Choice fresh stock, doubles, $1 to $1.25 by the 1,000; last week lots sold at $3.50 to $5 per 1,000. Singles and common stock, 40c. to 60c.

Lilies not so plentiful again, selling at $1.50 to $2. Callas, $1.25 to $1.50 per dozen.

Tulips, of prime quality, yellows and reds, sell readily at $4; the so-called Novelty hardly as good as in former years, best sell at $3 to $4; inferior stock something of a drag. Daffodils now abundant, much used in the retail windows for display, which give a Spring-like appearance; price, $1.50 to $3. Romans and Paper Whites, $1.50 to $2. Azaleas are going to be hard to keep for Easter this year if grown in the warm or ordinary greenhouse. Colored sell very well now, however, but in whites there is little demand, though it pays to use the flowers in funeral work. Some good cinerarias in, and pots and pans of Spring bulbs showing that Spring is near upon us.

Club Meeting.—No Quorum.

Owing to absentees at the National Carnation meeting at Buffalo, the below zero weather and absence of several members, who took in Henry Irving's rendition of Robespiere, Vice-president Benthey found no quorum present at the regular club meeting, hence the questions arranged for that particular meeting had to be laid over until the first Friday in March. The committee on entertainment has taken the alleys at Kinsley's for the bowling tournament, the date being February 28, and, as the place is unexceptionable it is expected a good turn out of ladies will be present, both to take part in as well as witness the fun.

Jottings About Town.

Kennicott Bros. Co. had, on Saturday, fine examples of yellow and white Marguerites, still in excellent condition, purchased one week before by one of the firm sojourning there, in the San Francisco market.

Fred. Hills, of Maywood, arrived home from England on Monday, and states was glad to get into sunshine again, as, while in London, he saw that luminary but two hours.

The Deutsche Gärtner Zeitung, copies of which are now being received from Germany, has long reports and photographs of the monster greenhouse establishments of Bassett & Washburn and the Reinberg Bros. of this city. Ess.

St. Louis.

Market News.

At this writing, February 20, we are just at the breaking up of the coldest spell of the Winter—zero, or a little below, was reached; retail business in consequence has been quite slow. The coming week a number of big jobs, in the way of weddings and receptions are on. The situation as regards supply remains practically the same, with prices firm or higher, Bride and Bridesmaid bringing 12c; best carnations, 4c.; valley, 4c.; bulb stock, 3c. A good many violets are in selling readily at 40c. to 50c. per 100. No Beauty are in this market.

We have spent considerable thought and made many inquiries as to the cause of this prolonged shortage that seems to exist all over the West, and have about come to the conclusion that better business is partly responsible; but the principal cause is that the same area of glass has not produced as much, generally, as in previous years. We refer to roses in particular, the quality is certainly much inferior to that of last year, good stock being an exception. Carnations have produced well, and we believe every one growing them this year has done well; certain it is that the call at retail has increased. The carnation is without question the most satisfactory flower for general use.

New Firm.

John M. Hudson & Co. started in the commission business last week. Mr. Hudson was the original commission man in this city, and he says he is now in it to stay. He reports very good business for the first week, and will shortly send men out over the circuit to solicit consignments.

Visitors.

W. Rolker is in town, in the interests of his New York house. Lloyd Vaughan is here again, after a long absence, representing Hageman & Meyer, New York. Mr. Vaughan is very popular with the craft in this city. For a long time he has contended that St. Louis needs a 50,000 or 100,000-foot range establishment to supply it with roses, and we do not doubt but what it would be a success—for if our sister city, Chicago, can support so many vast places we surely ought to use the product of one.

Notes.

The city awarded last week contracts to C. Young & Sons Co., H. J. Weber & Sons Co., and Sander's Nursery for furnishing trees, shrubs and plants, to improve the grounds around the water works, amounting to about $600. Some tree planting will also be done in the parks, but owing to lack of funds it will be limited. C. C. S.

Cleveland.

Trade Notes.

There is little, if any, change in the condition of the flower market since former writing; storekeepers report a brisk business, and flowers are closely cleaned up every day, but little stock being carried over from day to day. Funeral work and decorations form the principal part of the business of the present time and furnish an outlet for the bulk of the product of the growers. Cut flower trade is lively as a general rule, but is affected considerably by weather changes, which at this season are very frequent.

The demand for plants, especially flowering plants, is better than at any previous writing since the holidays, and trade in this line is stimulated largely by moderations in the weather. Azaleas, which a few weeks ago were a glut, find quick sale, and growers have no difficulty in disposing of their plants as soon as they are fit to market; at times retailers find it a hard matter to get enough plants to fill orders. In the line of cut flowers, roses seem to be in very short supply, and all available stock is closely used up. Prices remain unchanged, and $4 to $5 is the present rate for lower grade flowers, while the better stock brings $7 and $8.

Carnations are offered more freely than at time of last report, and present figures on ordinary stock are $1.50 and $2.50; best grades bring a little more, $3 being the ruling price; extras and fancy reach $4 and $5, but few of the latter is offered.

Harrisii lilies are coming in a little better, and prices remain the same as last quoted, viz.: $1.50 per dozen at wholesale, retailing at $3.

Some very fine valley is brought in, and fetches $5 per 100 for extra quality; ordinary moves at $3, retailing at 75c. and $1 per dozen.

Bulb stock is becoming plentiful, and at this writing is quite abundant. Dutch hyacinths are much improved in quality; tulips also are far better than they were a week or two ago, and present prices on the run from $2.50 to $5 per 100, according to grade.

Paper Whites and Romans are on hand in large quantities, and present market values do not vary from quotations contained in former letter.

G. A. T.

Cincinnati.

Trade News.

Business still remains good, with stock not equal to the demand. Carnations are a little off crop. Prices remain about the same as last week.

After the Convention.

Witterstaetter, Murphy and Sunderbruch have returned from Buffalo with glowing accounts of the fine display staged there. We are also glad to note that Cincinnati was well up in the front rank, so far as carnations are concerned. That some of them are pretty good poker players is evident from the fact that they came out second in the "Jack pot." Adonis is a hard one to beat, and will surely be heard from later. But the most remarkable thing that I have noticed, after reading all the reports is, that neither Crane nor America was staged, and Jubilee carried off the honors. What's the matter with the two record-breakers?

C. J. Jones is on the sick list.

E. G. G.

PALM LEAVES FOR PALM SUNDAY. For Church use. THE CLOSED KIND. Orders taken now for shipment whenever desired. Small, $7.50; large, $15 00 per 1000. CASH BEFORE SHIPMENT. BOX 327,
Florida Natural Products Co., Orlando, Fla.
Mention the Florists' Exchange when writing.

SWORD FERNS, pot grown, $12 00 per 1000
PTERIS VICTORIA, 2½ in. pots, $5.00 per 100
ADIANTUM CUNEATUM, 2½ inch pots, $4.00 per 100.
SELAGINELLA EMILIANA, 2½ inch pots, $3.00 per 100.
CRINUM KIRKII, $6 00 per 100.
AMARYLLIS EQUESTRE, $4.00 per 100.
A. WICHERS, San Antonio, Fla.
Mention the Florists' Exchange when writing.

COMMERCIAL VIOLET CULTURE *Now Ready For Delivery.*
Price, $1 50



Palmetto Leaves.
Green, for decorating, all with **Long Stems,** Medium $4 00 and large $5.00 per 1000. Packing free. Low freight rates. Cash with order. Largest and most experienced shippers.
Florida Natural Products Co., Box 327, ORLANDO, FLA.
Mention the Florists' Exchange when writing.

AMPELOPSIS VEITCHII 2 year, strong. per 100, $7.00.
Per 100
Clematis Jackmanii, 2 year, extra strong . $14 00
Standard Hydrangea, P. G., 3-3½ ft..... 18.00
Standard Lilacs, assorted, 3-4 ft..... 10.00
Standard Japan Snowball, 3½-4 ft..... 18.00
These prices are good only till surplus is reduced.
Send for list of other stock. Roses, Herbaceous Plants, Ornamental Trees, Small Fruit and Fruit Trees
Jackson & Perkins Co., Newark, New York.
Mention the Florists' Exchange when writing.

MAPLES! POPLARS!
Silver Maples, 1½ to 2 inch, smooth, straight, low headed, $225.00 per 1000.
Carolina Poplars, 3 to 4 inch, smooth, straight, $35.00 per 100.
F. O. B. cars, E. ST. LOUIS, ADDRESS
Sanders' Nursery, 5600 Delmar Ave. **St. Louis, Mo.**
Mention the Florists' Exchange when writing.

Polystichum Wollastoni Lace Fern
Best and finest for cut, also for center pieces, etc. Size No. 1, 100 plants, $4.00; Size No. 3, 100 plants, $3. Sample box by mail, containing 1 dozen plants, 2 sizes, $1.00.
BABY PRIMROSES Best strain, lavender, for cut and pots. Size No. 1, 100 plants, $3.00; Size No. 2, per 100, $5.00. Sample box by mail, containing 20 plants, 2 sizes, $1.00.
Cash with order, please. Packing careful.
ALBERT KNAPPER, Frankford, PHILA., PA.
Mention the Florists' Exchange when writing.

Manetti Stocks
FOR GRAFTING.
We have received advices from one of our European growers of a consignment of limited number of these, to come on a steamer arriving this week. We offer same at following prices:

In lots of 1000 . .	$12 00	per 1000.
" 2500 . .	10 00	"
" 5000 . .	9 00	"

HENRY A. DREER, Philadelphia, Pa.
714 Chestnut Street.
Mention the Florists' Exchange when writing.

HARDY HERBACEOUS PLANTS
Of these I have an immense stock. The following list must be sold this Spring. All strong, field-grown plants and in prime condition. Special rates will be made on large lots.
PRICE PER HUNDRED, PACKED.

1,000	Achillea, "The Pearl"	$2 50
1,500	" "Cerise Queen"	6 00
500	Anthemis tinctoria	4 00
500	Antirrhinum major	6 00
600	Aster, Novæ-Angliæ rosea	5 00
2,500	Astilbe Japonica	3 00
200	Baptisia Australis	4 00
250	Bocconia cordata	6 00
500	Boltonia latisquamæ	5 00
200	Campanula persicæfolia grandiflora	8 00
200	Campanula persicæfolia grandiflora alba	8 00
600	Carnation Marguerite	8 00
300	Chrysanthemum lacustre	4 00
400	Clematis Davidiana, 2 years	5 00
500	Convallaria majalis	2 50
2,000	Coreopsis lanceolata (true)	3 50
1,000	" grandiflora	3 50
300	Delphinium sinensis	5 00
200	" elatum	6 00
250	Dianthus, "Her Majesty"	5 00
600	" barbatus, Sweet William	5 00
400	Digitalis purpurea	6 00
2,000	Dicentra speciabilis	6 00
700	Euphorbia coroliata	3 00
4,000	Funkia ovata (blue)	4 00
1,500	Gaillardia aristata grandiflora	4 00
3,000	Helianthus Maximiliana	3 00
1,000	" mollis	3 50
3,000	Hemorocallis Dumortieri	5 00
5,000	" fulva	3 00
2,000	**Hollyhocks,** New Allegheny, strong, field-grown	10 00
200	Iberis Tenoriana	5 00
10,000	Iris, German, 12 named sorts	3 50
15,000	" Japanese, 12 named sorts	6 00
1,500	" nudicaule	3 00
8,000	Lavendula vera	5 00
200	Liatria pienostachya	$5 00
500	Lychnis flos cuculi plenissima	6 00
400	Monarda didyma splendena	5 00
5,000	Nepeta glechoma	2 50
2,000	" variegata	3 00
	Œnothera Youngii	5 00
1,000	Opuntia vulgaris	4 00
12,000	**Pæonias, Double,** 25 choice named	10 00
5,000	" mixed	8 00
500	Pardanthus sinensis	3 00
4,000	Phlox, choice named	6 00
500	" Carolina ovata	5 00
2,000	" subulata	3 50
1,000	Penstemon barbatus Torreyi	5 00
500	Physalis Franchetti	6 00
500	Platycodon grandiflorum	5 00
600	" Mariesi	5 00
1,000	Ranunculus acrie fl. pl	4 00
50,000	**Rudbeckia laciniata, "Golden Glow"**	2 00
400	" Maxima	6 00
500	" sub-tomentosa	5 00
500	Santolina incana	4 00
2,000	Sedum Maximum	4 00
1,500	Spiræa Filipendula, fl. pl	6 00
500	" palmata elegans	6 00
2,000	Tradescantia virginica	3 00
400	Valeriana officinalis	0 00
1,500	Veronica amethystina	4 00
400	" incana	5 00
600	" spicata	5 00
500	Violet, Double Russian	5 00

HARDY GRASSES.

1,500	Eulalia gracilima univittata	5 00
10,000	" Japonica variegata	5 00
600	" Zebrina	8 00
800	Uniola latifolia	8 00

J. T. LOVETT, Little Silver, N. J.
Mention the Florists' Exchange when writing.



Semple's Aster

Choicest Home-Grown Seed, in white, shell-pink and lavender,
¼ oz., 25c.; oz., $1.00.
Catalogue on application, of leading flower and vegetable seeds for florists and market-gardeners.
W. C. BECKERT, Allegheny, Pa.

Mention the Florists' Exchange when writing

PRIMULA OBCONICA HYBRIDUM

Extra Fine Stock, in Full Bloom.

If repotted now will make excellent plants for **EASTER TRADE.**

3 inch Pots, $3.00 per 100.

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

PLANTS

For Easter Flowering.

Lilies, Azaleas, Rhododendrons, Geraniums, Heliotrope, Fuchsias, Etc.

Order early before they bloom as the flowers are liable to injury in transportation.

BOSTON FERNS.

N. Exaltata Bostoniensis. Small plants, $5.00 per 100; $40.00 per 1000; not less than 250 at 1000 rate. Large plants, $6.00 to $20.00 per 100.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 inch, $3.00 per doz.
Areca Lutescens, 50c. to $3.00 each.
Latanias, from 75c. to $3.00 each.
Asparagus Plumosus, $1.00 to $1.50 doz.
Asparagus Sprengeri, 3½ in. pots, $1.50 per doz.

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. **Connected with Telephone.**

Mention the Florists' Exchange when writing

MAMMOTH VERBENAS, large, rooted plants, 60c. per 100; $4.50 per 1000. Geraniums, S. A. Nutt, Hill, Grant, La Favorite and Pink, 2¼ in., $2.50 per 100; 3 in., $3.00 per 100. Cyclamen, 3 in., $5.00 per 100, in bud and bloom; 4 in., $1.25 per doz.
Rooted Cuttings, Blue Ageratum, 50c. per 100; Double Petunias, Lobelia, White Stocks, $1 per 100.
Samuel Whittoo, 15 Gray Ave., Utica, N. Y.

Mention the Florists' Exchange when writing.

GERANIUMS. Best bedders, 30 select varieties, and O. B., $6.00; brightest fancy, $5.00 per 1000. New grand, large leaved, and Corona Scarlet, broad gold border, finest for edging, $1.00 per 100.
Fine transplanted stock, prices are per 100: **Begonia** Vernon and Erfordii, $1.50. **Dbl. Petunia Veteran** and other best, $1.50 to $2.00. **Heliotrope, Sage, S. Ginnt Petunia,** $1.20. **Choice Verbena,** 60c. **Pansies,** part in bloom, 80c. Terms cash. Inquiries or calls for list solicited.

DANIEL K. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

NICE, CLEAN STOCK, A No. 1.

Coleus, from 40 to 60 varieties, $5.00 per 1000; 70c. per 100. Verschaffeltii and a good yellow, $7.00 per 1000; 80c. per 100.

Carnations, Cartledge, Wm. Scott, Eldorado, Tidal Wave, Puritan, Kittie Clover, Portia, McGowan, Louisa, Dr. Warder, $10 per 1000; $1.25 per 100. Mary A. Baker, Liberty, Duke of York, $40 per 1000, $5 a 100.

Campbell and **California Violets, Giant Double Alyssum.** Nice, clean, healthy stock, well-rooted, $1.00 per 100, by mail.

We have **Cut Flowers** from **Duke of York,** on stiff stems, 3 ft., 3 in., flowers measuring 3½ in. across.

E. J. CLOUD, L. B. 32, **Avondale, Pa.**

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Chrysanthemums

	Doz.	100
Helen Bloodgood, 2 in	$0.50	$2.50
Glory of the Pacific, 2 in	.40	1.50
O. Bramhall, 2 in	.50	2.00
Begonia, Alba Plena, 2 in	.50	1.50
Geranium, Mme. Salleroi, 2 in	.50	3.00
Salvia Splendens, 2 in	.40	2.00
Rudbeckia, Golden Glow, 2½ in	.50	3.00
Carex Japonica var., 2 in	.50	2.00
Crotons (10 variety), 2 in	.50	3.00
Abutilon, Souv. de Bonn, 3 in	.75	5.00
Cyperus Alternifolius, 4 in	1.00	6.00
Fancy Ferns, for dishes, 2 in., a bargain, at	.50	3

For list of best **Sweet Pea Seed,** see EXCHANGE of January 27, 1900. Satisfaction guaranteed.
Cash with Order.

GEO. L. MILLER, - Newark, Ohio.

Mention the Florists' Exchange when writing

CHRYSANTHEMUMS

Belle of Castlewood,	**Mrs. J. G. Whilldin,**
Bonnaffon,	**Mrs. S. T. Murdock,**
Cullingfordii,	**Mrs. J. J. Glessner,**
Eugene Dailledouze,	**Mrs. H. Weeks,**
Glory of the Pacific,	**Mrs. O. P. Bassett,**
Ivory,	**Nivens,**
J. Woodford,	**Rose Owen,**
Liberty,	**The Queen,**
Minerva,	**V. H. Hallock.**
Mme. F. Bergmann,	**Wm. H. Lincoln.**

From 2½ in. pots, $2.00 per 100.

VERBENAS In 10 best varieties, from 2½ in. pots, strong plants, $2.00 per 100.
Cash with Order. Price List on Application.

R. VINCENT, JR., & SON, White Marsh, Md.

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New Early Yellow Chrysanthemum

WALTER MOLATSCH.

Three Certificates A.C.S. Ready March 1st, 1900. Price, 50c. each; $4.00 per doz.; $25.00 per 100.

For Sale by

DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y.
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H. A. MOLATSCH, - - - Brooklyn, N. Y.
68th St., bet. 8th and 9th Aves.

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SCHMIDT'S PANSIES Have no Equal.

Comprising the cream of all the Leading Strains. Large, stocky plants, 50 cents per 100; $3.00 per 1000; 10,000 for $25.00.

DAISIES (Bellis), strong plants of the largest double varieties, Longfellow and Snowball, 40 cts. per 100; $2.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

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PANSIES

The Jennings Strain. 200,000 fine, stocky plants, from cold frames, varieties the finest, many are curled and fringed. 100 plants by mail, 60 cts.; 1000 plants by express, $3.50; large plants in bud, by express, $5 a 1000; extra fine Pansy blooms, by mail, 50c. a 100.

Pansy Seed of above, $1.00 per pkt.; $5.00 per oz. Separate colors in plants or seed if wanted.

Choice Mixed Gladiolus, all colors, 50 cts. per 100. Extra large **Scarlet Amaryllis Bulbs,** $6.00 per 100; medium size, $3.00 per 100.

Samples sent for 10 cts. Cash with order.

E. B. JENNINGS, Lock Box 254, **Southport, Conn.**
Grower of THE FINEST PANSIES.

Mention the Florists' Exchange when writing.

PANSIES

We grow over a million and can ship at once. Composed of the finest Bugnot, Cassier, Odier and Trimardeau. Large stocky plants, transplanted in cold houses, **60 cts. per 100; $1.00 per 1000.**
Azaleas for Easter large plants $9.00 per doz.
Cinerarias in bloom, 5 in., $1.50 per doz.

WHITTON & SONS, Wholesale Florists,
CITY AND GREEN STS., UTICA, N. Y.

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PANSIES.

Large flowering strain, 50c. a 100; $2.50 a 1000.

Oxalis Floribunda, 2 inch pots, $2.50 a 100.
Geraniums, 16 vars., 2½ in. pots, $3.00 a 100.
Alternantheras. Yellow.....$1.75 per 100. Red..... 2.00 "
Cash with order.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Mention the Florists' Exchange when writing.

Pansies Worth Raising

Good Plants, $4.00 per 1000; $2.50 per 500.

Extra Large Transplanted Plants in bloom, as good as in spring, $2.50 per 100.

☞F. O. B. Express here. Cash with order.

C. SOLTAU & CO., 199 Grant Ave., Jersey City, N. J.

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Pansy Plants in Flower

GIANT MIXED,

For the New York Market, $3.00 per 100.
Cash with order.
Special Prices on Large Quantities.

FINE, LARGE BLOOMS, SURE SELLERS.

JOHN LAPPE,
Juniper Avenue, between Metropolitan Ave. and Grand St.
Telephone 13—I. **MASPETH, N. Y.**
The Largest Pansy Grower in America.

Mention the Florists' Exchange when writing.

ROSES

FINE YOUNG STOCK FROM 2½ IN. POTS

The Following List at $3.00 per 100, $25.00 per 1000.

*Bride
*Marie Lambert
*Duchess Brabant
Wichuraiana
*Yellow Soupert
Bridesmaid
*Purple China
Etoile de Lyon
*Tennessee Belle
*Safrano
Princess Sagan
Agrippina
*Mrs. DeGraw
*Empress of China
*Yellow Rambler
*Marie Van Houtte
*Coquette de Lyon
*Climbing White Pet
*Clothilde Soupert

Following List at $3.00 per 100, $30.00 per 1000.

Maman Cochet
Climbing Malmaison
Reine M. Henriette
Media
Climbing Bridesmaid
Mary Washington
White Maman Cochet
Christine de Noue
Rainbow
Golden Rambler
White La France
Crimson Rambler
Comtesse Frigneusse
Franceska Kruger
Climb. Marie Guillot
Climbing Meteor
Malmaison
*Hermosa
Meteor
*Seven Sisters
Climbing Wootton
Bertha Clavel
Marechal Niel
Vera de Flora
Duchess of Albany
Papa Gontier
*La France

KAISERIN, $3.50 per 100; PRESIDENT CARNOT, $4.00 per 100.

The varieties marked with a star (*) we have in fine 3½ inch stock at **$4.00 per 100.**

Large Assortment of Fine Two-year Old Roses at $10.00 per 100.

MISCELLANEOUS STOCK

Flowering Begonias Rubra, Robusta, F. de Lesseps, Sandersonii, Argentea Guttata, Vernon, nice 2½ inch stock, at **$3.00 per 100;** also Rubra, from 3½ inch pots, at **$4.00 per 100.**

Hardy Pinks Earle of Carlisle, Her Majesty, Laura Wilmer, Brunette, Alma Fimbriata, Juliette, 2½ inch, **$2.50 per 100;** 3½ inch, **$4.00 per 100.**

Moon Vines White and Blue, **$3.00 per 100.** Pink Moon Vine, **$4.00 per 100.**

Ferns N. Cordata Compacta, Exaltata, **$4.00 per 100;** Bostoniensis, **$5.00 per 100;** from 3½ in. pots, **$7.00 per 100.**

SCENTED GERANIUMS, Rose, Mrs. Taylor, Nutmeg, Balm, Oak, Lemon and Geraniums in variety, at $3.00 per 100.
GERMAN IVY, $2.00 per 100.
STROBILANTHES DYERIANUS, $3.00 per 100.
HIBISCUS COOPERI, $3.00 per 100.
TROPÆOLUM PHOEBE, NASTURTIUM, $2.00 per 100.
SANSEVIERA ZEYLANICA, $4.00 per 100.
MARGUERITES, $3.00 per 100.
SALVIAS, $3.00 per 100.
HONEYSUCKLES, Hall's Japan and Golden Japan, $3.00 per 100.
COLEUS, in variety, $2.00 per 100.
AGERATUM Princess Pauline, $3.00 per 100.
SMILAX, $2.00 per 100.
VINCAS, $2.50 per 100.
PERIWINKLES, white and pink, $3.00 per 100.
FARFUGIUM GRANDE, $6.00 a 100.
ALTERNANTHERA, rooted cuttings, $1.00 per 100.
ABUTILONS, 3½ in., $4.00 per 100.

Unless otherwise specified all stock is from 2½ inch pots.

THE NATIONAL PLANT CO., Dayton, Ohio

Mention the Florists' Exchange when writing.

Best Methods of

HEATING GREENHOUSES

Being a collection of thirteen leading essays, selected from a large number submitted in competition. Each essay is accompanied by diagrams illustrating the system advocated.

Price to Florists' Exchange Subscribers, 10 Cts.

Send for a copy at once. You will find it very useful.

ADDRESS

A. T. DE LA MARE PTG. & PUB. CO, Ltd.

2 Duane Street, New York.

HEADQUARTERS FOR

Palms and Ferns.

Fine, clean home grown stock; grown cool. Give us a trial order and be CONVINCED.

J. B. HEISS, The Exotic Nurseries, Dayton, Ohio.

SEND FOR PRICE LIST.

Mention the Florists' Exchange when writing.

LATANIA BORBONICA

4 inch pots..... $2.50 per doz; $20.00 per 100.
5 " ..... 4.75 " 35.00 "
6 " ..... 9.00 " 70.00 "
7 " ..... 1.25 each, and fine specimen plants from $6.00 and upwards.

Areca Lutescens, fine plants from $5.00 upwards.
Kentia Helmoreana and **Forsteriana**—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, well grown, from $2.50 and upwards.
Phœnix reclinata, 4 in. pots, 25c. each, $20 per 100; 5 in. pots, 40c. each, $35.00 per 100; 6 in. pots, 60c. each, $55.00 per 100; 7 in. pots, $1.25 each.
Phœnix Canariensis, Rupicola and **Reclinata,** fine specimen plants, from $3.00 to $5.00 each.
Cocos Weddelliana, from 2 in. pots, $1.50 per doz.
ASPARAGUS SPRENGERI 3 in. pots, $1.00 a doz. 5 in. pots, 25c. each.

JOHN BADER, Troy Hill, Allegheny, Pa.

L. D. TELEPHONE 872.

Mention the Florists' Exchange when writing

Palms Cheap

	In. pots	In. high.	No leav's	Price per 10	Price per 100
Areca Lutescens	4	13-15	2-3	$1.20	$11.00
" "	4½	18-20	3-4	1.60	15.00
" "	5	20-24	4-5	3.50	30.00
" "	6	28-32	5-6	5.50	50.00
Latania Barbonica	3	10-12	4-5	.65	5.00
" "	4	15-18	4-5	1.40	13.00
" "	5	18-20	4-5	3.50	32.00
" "	6	20-22	5-6	5.50	50.00
Corypha Australis	4	12-15	4-5	2 00	15.00
" "	5	18-20	5-6	4.00	35 00
" "	6	26-30	5-7	5 00	45 00
Chamærops Excelsa	4	12-15	4-5	2.00	15.00
" "	5	18-20	5-6	4.00	35.00
Chamærops Humilis Canariensis	4	15-18	4-5	2 00	
" "	5	20-24	4-5	4 50	
Seaforthia Elegans	4	15-18	3-4	1.30	13.00
" "	5	20-24	3-4	2.75	25.00

For other varieties and sizes see Wholesale List.

These plants are all strong and ready for larger pots. All orders must be accompanied by the cash. Address all orders to

W. J. HESSER, PLATTSMOUTH, NEB.

Mention the Florists' Exchange when writing

ASPARAGUS SPRENGERI

2¾ inch, extra strong....$5.00 per 100
3 inch, extra strong.... 7.00 per 100
4 inch, very fine..... 1.75 per doz.
5 inch, very fine..... 2.50 per doz.

PANDANUS UTILIS 2¾ in., heavy, $6 per 100; 3¾ in., heavy, $8 per 100

THE CALLA GREENHOUSES, Calla, O.

Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.

1730 CAMBRIDGE ST.

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FERNS.

A fine assortment for florists use, from 2½ and 3 inch pots. Also

Selaginella Emmeliana, Cyperus Alternifolius, $3.00 per 100.

BABY PRIMROSES, from 3 inch, $4.00 per 100 from 4 inch, strong, $8.00 per 100.

J. G. EISELE, - Philadelphia, Pa.

20th AND ONTARIO STS.

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GALAX LEAVES

To Dealers outside New York City:

Choice Galax..... $0 40 per 1000
Choice Leucothoe..... 2 00 "

Special attention given orders to go in cold storage. ORDER AT ONCE.

J. N. PRITCHARD, Elk Park, N. C.

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It's nice a lasting gift to give,
Which appreciation earns;
Cut Flowers die, but plants will live,
Therefore buy
PALMS AND FERNS

Try a barrel of our **Pine Needle Soil,** for Palms and Ferns, price $1.50 Send for our catalogue.

THE GEO. WITTBOLD CO., Chicago.

1708 N. Halsted Street.

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A SPECIAL LOT OF 1,000,000

FANCY CUT FERNS

Write for Prices.

H. M. ROBINSON & CO. 32, 34, 36 Court Square, BOSTON.

Mention the Florists' Exchange when writing.

Rochester, N. Y.

Those who did not go to Buffalo are sorry and ashamed. Richard Salter, Ferd. J. Keller, J. M. Keller, George J. Keller, Fred. Vick, Fred. Schlegel, Chas. Suhr, Walt. Salmon and Stephen Barry looked at the big carnations Thursday. E. R. Fry went down Thursday evening and remained to represent Rochester at the banquet.

The number of carnations grown about Rochester diminishes yearly. The quality we will not discuss.

We looked in at a few greenhouses last week and found the growers all cheerful. At Schlegel's we found some fine violets—regular Hudson River style. They intend to rebuild part of their houses the coming season and to put up some new glass. A variety of stock is grown, including a few carnations for retail trade. At Keller's we found neither carnations nor roses, but everything else we could think of. Considerable rebuilding was done last year and more is planned for the near future. Mr. Suhr put up a neat display house for retail trade last season. He also is giving less room than formerly to carnations and more to bedding plants, with which he is very successful. At Wilson's we found most of the 30,000 feet of glass in roses—Bride and Bridesmaid—which were in very nice shape. A few carnations are grown "on the side," but most of the room, aside from the roses, is given to plants for the store.

We reached Vick & Hill's extensive place at Barnard Crossing in time to glance hastily through before closing for the week. A new palm house was put up last season, and all looked well kept and prosperous. Catalogue plant trade is a leading feature here, and the carnation houses had been nearly emptied to make room for young plants.

Jas. Vick's Sons are having new and more convenient quarters prepared in the Alliance Bank Building, Main and Stone streets. The move will be made as soon as the Spring rush is over. We noticed in the seed house a neat carton containing 40 varieties of sweet peas in separate packets, with booklet of directions and descriptions. We wonder, now, that some one did not do this before. G. A., JR.

THE BOSTON FERN

A SPECIALTY.

Only orders booked at $5 00 per 100; $40 per 1000.

L. H. FOSTER, 45 KING STREET, Dorchester Mass.

Mention the Florists' Exchange when writing.

Galax Leaves

CHAS. H. RICKSECKER, Linville, N. C.

Mention the Florists' Exchange when writing.

FERNS

From 2¼ inch pots.

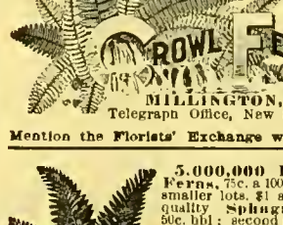
Aspidium Tenaimense..... $2.50 per 100.
Cyrtomium Falcatum..... 3.00 "
Pteris Cretica Magnifica..... 3.00 "

Cash with order.

L. MENAND, Cemetery Ave., Albany, N. Y.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR
LAUREL FESTOONING
MOSSES and FERNS
A SPECIALTY



MILLINGTON, MASS.
Telegraph Office, New Salem, Mass

Mention the Florists' Exchange when writing.



5,000,000 Hardy Cut Ferns, 75c. a 1000, in 5000 lots; smaller lots, $1 a 1000. First quality **Sphagnum Moss,** 50c. bbl; second grade, 35c bbl. **Bouquet Green Roping** well made, 4c. yard. **Laurel Roping,** hand made, 4c. yrd. **Bouquet Green,** loose, 2½c. lb. Cash with all orders for these prices, and goods shipped at an hour's notice. All orders by mail or dispatch promptly attended to.

THOMAS COLLINS, - Hinsdale, Mass.

Mention the Florists' Exchange when writing.

DOUBLE PETUNIAS.

OVER 75 VARIETIES, NAMED.

I have the finest and largest collection in the country, an immense stock, and can fill all orders without delay.

Rooted Cuttings, by mail, $1.25 per 100.
Grandiflora, single, 10 vars., $1.25 per 100.

"I saw the bloom of Mr. Hughes' petunias, both double and single, and they are very fine."
HENRY F. MICHELL.

Heliotrope, 16 vars..... $1.50 per 100
Ageratum, Princess Pauline..... 1.00 "
Ageratum, White and Blue..... .75 "
Abutilon, 4 vars., R. C..... 1.50 "
Swainsona Galegifolia Alba, R. C.. 1.50 "
Fuchsias, 12 vars..... 1.25 "
Flowering Begonias, 12 vars..... 1.50 "
Moon Vines Smith's Hybrid Seedlings, which are the best varieties, transplanted, $2 00 per 100. Cash with order, please.

GEORGE J. HUGHES, BERLIN, N. J.

Mention the Florists' Exchange when writing

GERANIUMS

S. A. Nutt, and Gen. Grant, 2½ in. pots, $2.00 per 100.
CARNATION Mrs. Fisher, from flats, $1.00 per 100; 2½ inch pots, $2.00 per 100.
DOUBLE PETUNIAS, 2 inch, $2.00 per 100.
CHRYSANTHEMUMS, Merry Xmas, Bonnaffon, Merry Monarch, $2.00 per 100.

Cash with order.

WM. KEIR, Pikesville, Md.

Mention the Florists' Exchange when writing

CERANIUMS OUR FOUR NEW SINGLE BEDDERS

Frances Horn. Petals deep carmine lake, center marbled white.
A. V. Gerbig. Bright apricot salmon, shading much deeper towards center; distinct white eye.
Cresco. Color a little lighter than the above, larger florets, 2 to 2½ inches in diameter.
Grandma Miller. Enormous truss, bright scarlet, with distinct crimson veins.
Strong plants, from 2½ in. pots, 25 cents. The 4 for 90 cents; $2.50 per doz.

C. H. GERBIG, - Archbald, Pa.

Mention the Florists' Exchange when writing.

Rooted Cuttings Now Ready

CARNATIONS.—Scott, McGowan, Daybreak, Albertini, Armazindy, Jahn's Scarlet, at $1 a 100; $8 a 1000.
Fuchsias, Heliotrope, Lemon Verbena, Coleus, Double Alyssum, Vinca Variegata and English Ivy, at $1.00 per 100.
Strong, Bushy, English Ivies, 4 ft. high, at $15 per 100. Strong stock plants of Geranium Mars, at $2.50 per doz. Strong stock one-year-old plants of Double and Single Grant, and other good varieties of Geraniums, $15 a 100.

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

Coleus, Crimson Verschaffeltii, Golden Bedder and Golden Queen	100 $0.75	1000 $6.00
In variety	.60	5.00
Alternantheras, P. Major and A. Nana, from soil	.60	5 00
Ageratum, blue and white	.60	
" Princess Pauline	.75	
Double Petunias, 30 varieties	1.25	
Giant Alyssum	.60	
Heliotropes, 12 varieties	1.00	
" 2 inch pots	2 00	
Salvia Splendens and **Bedman**	1.00	
Cannas, Dormant, Standard varieties	2.00	12.50

Plants by the 100, by mail, prepaid. Cash with order.

C. A. HARRIS & CO., DELANSON, N Y

Mention the Florists' Exchange when writing.

1000 Lilium Longiflorum 7 to 9, 6 in pots, just right for EASTER. Write for prices.
Boston Ferns, ready for shifting, 2½ in., 6 cts.; 3 in., 10 cts.; 3½ and 4 in., 18 cts.
Geraniums, Salleroi, Mrs. Taylor, Walnut and Rose, cut back, 2½ cts.
Vinca Major, 2¼ in., 2½ cts.
Trailing Lantana, just what you want for vases, baskets, etc., 2½ cts.
Begonias, in variety, 2½ cts.
Cnaphalium, fine for baskets, 2½ cts.
Panicum Variegatum, 2½ cts.
Achyranthes, 2½ cts.
Coleus, Verschaffeltii, Beckwith Gem in variety. R C., $1.00 per 100.
Ageratum, Tapis blue, dwarf and the best blue to date, 2½ cts. White Cape, dwarf, extra fine white flowers, 2½ cts.
Tradescantia Multicolor, **Double Sweet Alyssum,** 2c. CASH, PLEASE.

A. J. BALDWIN, Newark, Ohio.

Mention the Florists' Exchange when writing.

CLEARING SALE.

CYCLAMEN Persicum Splendens Giganteum, finest strain in the world, in four true colors (August sowing), transplanted twice from flats, $2.50 per 100; $20.00 per 1000. From 2½ in. pots, $4.00 per 100; $35 00 per 1000. A few hundred plants left, from 3½ in. pots, in bud and bloom, $1.00 per doz.; $8.00 per 100.

CHINESE PRIMROSES (Fringed foliage), no finer strain on the market. Single and double, in seven colors, in bud and bloom, from 2½ in. pots, $1.75 per 100. From 3 in. pots, $3.50 per 100. From 4 in. pots, $5.00 per 100.

CINERARIAS Hyb. Max. Grand., strong plants, twice transplanted, $1.00 per 100.

REX BEGONIAS Fine assortment, from 3 in. pots, $5 00 per 100.

PELARGONIUMS Mme. Thibaut, Dr Masters, Fred Dorner, Victor, Mme. Vlolert, Rooted cuttings, mixed, $2 50 per 100. From 3½ in. pots, $1.00 per doz.; $8.00 per 100.

CANNAS (Started from sand bed), ready March 15. Florence Vaughan, Mme. Crozy, Alphonse Bonvier, Queen Charlotte, Austria, $3.50 per 100; $30 a 1000. All the above warranted A No. 1 Stock.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

GALAX LEAVES

For latest prices green and bronze Galax Leaves and Lencothoe, address the introducer,

HARLAN P. KELSEY, Tremont Bldg., BOSTON, MASS.

Mention the Florists' Exchange when writing.

GREEN GOODS. WRITE, TELEGRAPH OR TELEPHONE.

Galax Leaves, Brilliant Bronze, $1.00 per 1000, and Brilliant Green, $1.00 per 1000.
Lencothoe Sprays.....$1.00 per 100 | Wild Smilax, "Hand Picked" Brand. 50 lb. case, $6.50; 35 lb. case, $4.50.
Needle Pines ..... $1 and to $2.50 per 12
Fancy Fern, Dagger Fern, etc., etc., and all kinds of "Green Goods." Prices on application.

HARRY A. BUNYARD. 42 W. 28th St., N. Y. City. TELEPHONE 2065 MADISON SQ.

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ADIANTUM FARLEYENSE

3 in. pots, $25.00 per 100; 4 in., $50 00 per 100; 5 in., $12 00 per doz.; 6 in., $18.00 per doz.

ADIANTUM CUNEATUM 4 inch pots, $12.00 per 100.

BOSTON FERNS Well-grown plants. 6 in. pots, 50 cts. each; 8 in. pots, extra strong, 75c. each; 8 in. pans, $1.00 each; 8 in. pans, extra strong, $1 50 each; 10 in. pans, $2 00 each; 12 in. pots and pans, $5.00 each.

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Manetti and Multiflora Stocks

EXTRA FINE.

$12.00 per 1000.

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A No. 1, at 50c. per 100; $1 00 per 1000.

YELLOW COLEUS 2 inch, per 100, $1.75. Satisfaction guaranteed.

E. J. RAWLINGS, - Quakertown, Pa.

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300,000 VERBENAS

60 finest named varieties, including our new
MAMMOTH WHITE MRS. McKINLEY.
The finest white Verbena grown.

Perfectly healthy. Free from rust.

Rooted cuttings, 60 cts. per 100; $5.00 per 1000.
Plants, $2 50 per 100; $20.00 per 1000.
Our list is the choice from millions of seedlings
Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

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SMILAX FROM FLATS

By mail, 50 cts. per 100; $4.00 per 1000.
2 in. pots, $1.50 per 100; 13.00 per 1000.

Geraniums, 2 in pots...$2.25 per 100; $20 00 per 1000
Hydrangeas, 3 in pots, $5.00 per 100; 4 in. pots, $10.00 per 100.
Canna Clumps.....$3.00 per 100
Send for Samples. Cash with the order.

FRED BOERNER, Cape May City, N. J.

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We are headquarters in the United States for established and imported Orchids.
Our new price list for 1900 is now ready.

Cherry Wood Baskets, Fresh Moss and Peat.

LAGER & HURRELL,
Correspondence Solicited. SUMMIT, N. J.

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Sharon Hill, Del. Co., Pa.

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...CARNATIONS..
and Novelties in Decorative Plants,
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are the cheapest because they are the best. We have in stock over 1000 varieties on own roots, including nearly 200 New Roses not offered elsewhere, as well as all the old favorites, at prices that make it worth your while to send us your list for quotations before buying elsewhere. All sizes from 2½ in. pots up.

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All sizes and kinds. Write for prices.

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Honeysuckles, Hibiscus Cooperi, **Moon Vine,** White and Blue. **Ruhra** } 2½ in pots at **Begonia, Strobilanthes Dyerianus** } $3 per 100.

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SCENTED GERANIUMS—
Lemon, Nutmeg, Balm, Rose, } 2½ in. pots, at $3 per 100.

Ageratum, Princess Pauline, 2½ in., at $3.00 per 100
Ruhra Begonia, 3 in. pots, at $4.00 per 100.
Hardy Pinks, 6 varieties, 3 in. pots, at $4.00 per 100.
Cash with Order.

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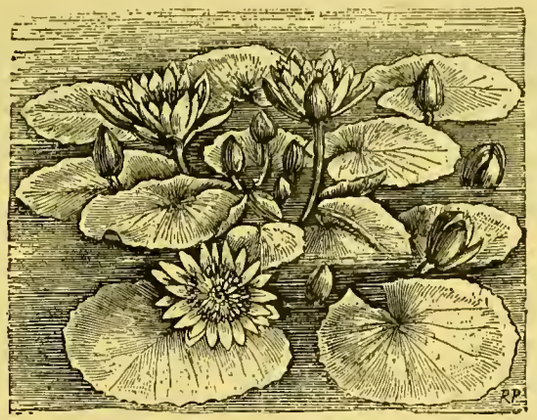

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Intending planters will gain a long start and early blooms by procuring dormant tubers of the tender Nymphæas now, and starting same indoors, thus securing strong plants for planting at proper season, and also save the expense of heavy express charges.

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Strong branching plants well equipped with roots, best forcing and pot varieties, **$6 per 100; $55 per 1000.** In following varieties:—Golden Gate, Muriel, Graham, Mrs. Robert Garrett, Mosella, Burbank, C. Soupert, Gen. Jacq., Mme. Chas. Wood, Crimson Rambler, Magna Charta and Neyron.

	100	1000
Golden Gate, nice 2½ in.....	$3.00	$25.00
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50 other varieties. Send your list for prices.

Baby Primrose, 2½ in. in bloom	3.00	25.00
Asparagus Plumosus Nanus, 2½ in.....	4.50	40.00
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Hardy White Pink, Her Majesty, 2½ in.....	2.50	20.00

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Prices will apply on not less than ten of a variety. Packed in first-class shape, F. O. B. Los Angeles.
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$7.00 per 100—Mignonette, Parquerette.
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$8.00 per 100—Clio, Soupert, Coq. de Lyon, D von lensis, Duch. de Brabant, Earl of Dufferin, Empress of China, Fisher Holmes, Hermosa, Homer, Beauty of Glazenwood, Meteor, Mme. G. Druant, Queen Scarlet, Queen of Prairies, Rainbow, Souv. de Wootton, White Rambler, La France.
$8.50 per 100—Bar. de Rothschild, Bride, Gen. Jack, Reine Marie Henriette, safrano.
$9.00 per 100—Bon Silene, Capt. Christy, Crimson Rambler, Duch. of Albany, La Reine, L. V. Houtte, Lux Mosa, M. P. Wilder, Marg. Dickson, Ulrich Brunner.
$10.00 per 100—Alf. Colomb, Anne de Diesbach, Belle Sieb echt, Cecile Brunner, Etoile de Lyon, Gen. Washington, Jules Finger, Coq. de Blanches, Ell Lambert, Dinsmore, Countess Frigneuse, Dr. Grill, Francska Kruger, Isabella Sprunt, Jas. Nahonnand, Princess Bonnie, Lady Pirzance, Lord Penzance, Magna Charta, Mrs. Laing, Niphetos, Paul Neyron, Perle des Jardins, Prince Camille de Rohan, Souv. de la Malmaison, Souv. du Pres. Carnot, Vis. Folkestone, Waban, White La France, Wichuraiana, Yellow Rambler, John Hopper.
$15.00 per 100—Bridesmaid, Cath. Mermet, Cloth of Gold, Climbing Wootton, Golden Gate, Gloire de Dijon, Kaiserin Augusta Victoria, Laurette, Maman Cochet, Mme Watteville, Mar. Niel, Papa Gontier, Crown Princess Victoria, Gen. Robt. E. Lee.
$25.00 per 100—Climbing Kaiserin
We can spare a few hundred La France "xxx" at $10 00, which we consider the finest stock of this sort ever offered in the U S
We have a grade of La France, which will run about 15 to 18 inches, nice, symmetrical plants, at $7.50 per 100; $75.00 per 1000. We will deliver by express, prepaid 1000 of this grade to any point in U. S. for $90.00.

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100 IMPORTED BUDDED HARDY ROSES, In 10 Leading Varieties, $10.00

MANETTI and MULTIFLORA Stock, per 100, $1 50; per 1000, $10.00.

PALM SEEDS—Kentia Belmoreana (Fresh), per 100, 75c; per 1000, $4.50; per Case, 3500, $14.00.

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4½-6 inch. Per 100, $1.00. Per 1000, $7 50.

Send For Catalogue of Spring Bulbs and Plants.

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MONTHLY AND EVER-BLOOMING ROSES

DORMANT FIELD-GROWN PLANTS.

	12	100
Hermosa, 1st size.....	$2 00	$12 00
Hermosa, 2d size.....	1 25	8 00
Mosella, (Yellow Soupert)	2 00	15 00
Souvenir d'un Ami..	$2 50	$18 00
Clothilde Soupert....	2 00	15 00

For **Rhododendrons, Azaleas, H. P. Roses, Crimson Ramblers, Spring Bulbs,** and **Japan Ball Ferns,** refer to Feb. 3d of *Florists' Exchange*, page 101.

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Roses, Clematis, Rhododendrons, Etc.

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Strong Two Year, Field Grown.

Crimson Rambler, 4 to 5 feet canes, $15. 2d size, 2 to 3 feet canes, $8 per 100.
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Hybrid Perpetual, in fine assortment $10 per 100.
Wichuraiana, Japan Creeping Rose, $6 per 100.
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Tree Roses, fine heads, $30 per 100.
Liberty, New Red Forcing Rose, from 2½ in. pots, 12 plants at 60c. each; 25 at 50c. each; 50 at 3 c. each 100 at 25c. each.
General Assortment of Everblooming Roses, from 2½ in. pots $3 per 100; $25 per 1000.

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Rooted Cuttings.

Mrs. Thomas Lawson,	$14 per 100
The Marquis	$10 "
Ethel Crocker	$10 "
Olympia	$12 "

Rhododendrons, Large stock of best hardy varieties, 15 in. to 2 ft. high, clean, bright foliage and well set with buds, $45 to $150 per 100

Azalea Mollis, Strong bushy plants well set with flower buds, $35 per 100.

Hydrangea Paniculata Grandiflora. 2½ to 3 feet $10 a 100. Tree form, 4 to 5 ft., $25 a 100.

Fruit and Ornamental Trees, Shrubs, Etc, in large assortment.

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Fine ROSES and CARNATIONS, Specialties.

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...Wholesale Prices of Cut Flowers...

	Names and Varieties	New York Feb. 23, 1900	Boston Feb. 22, 1900	Philadelphia Feb. 22, 1900	Baltimore Feb. 22, 1900	Buffalo Feb. 21, 1900
Roses	A. BEAUTY, fancy—special	40.00 to 60.00	25.00 to 35.00	40.00 to 75.00	.... to	40.00 to 60.00
	" extra	25.00 to 30.00	16.00 to 20.00	40.00 to 50.00	30.00 to 50.00	20.00 to 30.00
	" No. 1	15.00 to 20.00	8.00 to 12.50	20.00 to 30.00	20.00 to 25.00	10.00 to 15.00
	" Culls & ordinary	2.00 to 12.00	3.00 to 6.00	6.00 to 12.00	8.00 to 12.00	4.00 to 8.00
	Bride, 'Maid, fancy—spc'l	10.00 to 15.00	16.00 to 20.00	15.00 to 20.00	.... to	10.00 to 15.00
	" extra	6.00 to 10.00	12.50 to 16.00	12.00 to 15.00	.... to 8.00	8.00 to 10.00
	" No. 1	3.00 to 6.00	8.00 to 10.00	8.00 to 10.00	.... to 6.00	5.00 to 7.00
	" No. 2	2.00 to 3.00	3.00 to 6.00	3.00 to 8.00	.... to 4.00	3.00 to 4.00
	K. A. Victoria	.... to	.... to	6.00 to 12.00	4.00 to 8.00	.... to ....
	La France	3.00 to 6.00	.... to	4.00 to 10.00	4.00 to 6.00	.... to ....
	Meteor	2.00 to 10.00	2.00 to 10.00	4.00 to 12.00	6.00 to 8.00	3.00 to 10.00
	Papa Gontier	.... to	.... to	4.00 to 8.00	3.00 to 4.00	3.00 to 4.00
	Perle	2.00 to 6.00	.... to	4.00 to 8.00	3.00 to 5.00	3.00 to 5.00
	Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
	ORCHIDS—Cattleyas	40.00 to 50.00	.... to 35.00	.... to 60.00	.... to	.... to ....
	Cypripediums	.... to 12.50	8.00 to 12.50	.... to	.... to	.... to ....
	Deudrobium formosum	.... to	.... to	.... to	.... to	.... to ....
Carnations	1of'r grades, all colors	.75 to 1.00	1.00 to 1.25	.... to 1.00	.75 to 1.25	.50 to .75
	STANDARD VARIETIES White	1.00 to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	1.00 to 2.00
	STANDARD VARIETIES Pink	1.00 to 2.00	.... to 1.50	1.50 to 2.00	1.50 to 2.00	1.00 to 2.00
	STANDARD VARIETIES Red	1.00 to 2.00	.... to 1.5	1.50 to 2.00	1.50 to 2.00	1.00 to 2.00
	STANDARD VARIETIES Yel.&Var.	1.00 to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	1.00 to 2.00
	*FANCY— White	3.00 to 6.00	2.50 to 3.00	2.00 to 3.50	2.50 to 3.00	2.50 to 4.00
	*FANCY— Pink	3.00 to 6.00	2.00 to 2.50	2.00 to 3.50	2.50 to 3.00	2.50 to 4.00
	*FANCY— Red	3.00 to 6.00	2.00 to 2.50	2.00 to 3.50	2.50 to 3.00	2.50 to 4.00
	*FANCY— Yel.&Var.	4.00 to 8.00	2.50 to 3.00	2.00 to 3.50	.... to	2.00 to 4.00
	NOVELTIES	10.00 to 15.00	3.00 to 4.00	2.50 to 5.00	.... to	.... to ....
	ADIANTUM	.75 to 1.00	.... to 1.00	.75 to 1.50	.... to 1.00	.75 to 1.25
	ASPARAGUS	35.00 to 50.00	.... to 50.00	35.00 to 60.00	25.00 to 75.00	30.00 to 60.00
	CALLAS	6.00 to 8.00	6.00 to 8.00	6.00 to 10.00	6.00 to 10.00	8.00 to 12.00
	HYACINTHS	1.25 to 1.50	1.00 to 4.00	1.00 to 2.00	1.00 to 2.00	3.00 to 6.00
	LILIES	10.00 to 12.50	6.00 to 8.00	.... to	.... to	15.00 to 20.00
	LILY OF THE VALLEY	1.50 to 3.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00
	MIGNONETTE—ordinary	1.00 to 2.00	1.50 to 3.00	1.50 to 2.00	1.50 to 3.00	2.00 to 3.00
	" fancy	2.00 to 5.00	.... to 4.00	3.00 to 4.00	.... to	4.00 to 6.00
	NARCISSUS	1.50 to 2.00	.75 to 5.00	2.00 to 3.00	.... to 2.50	.... to ....
	SMILAX	8.00 to 10.00	10.00 to 12.50	12.00 to 15.00	12.00 to 25.00	10.00 to 15.00
	SWEET PEAS	1.00 to 1.50	.... to	2.00 to 3.00	.... to	2.00 to 3.00
	TULIPS	2.00 to 4.00	1.00 to 4.00	2.00 to 4.00	2.00 to 4.00	3.00 to 4.00
	VIOLETS	.25 to .50	.50 to .60	.... to .25	.40 to .60	.40 to .75
	VIOLETS, special	.60 to .75	.... to .75	.50 to 1.00	.... to	.75 to 1.25

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

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Asparagus Plumosus, Orchids, Mignonette, Brides, 'Maids, American Beauties
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Can furnish at short notice. Prices according to quality of goods. Long Distance Telephone, 2161 and 2071.

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UNTIL FURTHER NOTICE
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AM. BEAUTIES and VALLEY Our Specialties.
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We have a fine grade of everything in market at present.
Send us a Trial Order and we will do the rest.
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Shipped to any part of the country.
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Mention the Florists' Exchange when writing.

...Wholesale Prices of Cut Flowers...

	Names and Varieties	Chicago Feb. 21, '00	St. Louis Feb. 20, '00	Cincinnati Feb. 21, '00	Milwaukee Feb. 19, '00	Pittsburg Feb. 19, '00	Toronto Feb. 13, '00
Roses	A. BEAUTY, fancy—special	50.00—60.00	....—50.00	....—	35.00—50.00	60.00—75.00	....—40.00
	" extra	35.00—40.00	25.00—40.00	....—	20.00—25.00	40.00—50.00	....—30.00
	" No. 1	15.00—25.00	12.50—20.00	....—	12.50—15.00	20.00—30.00	....—15.00
	" Culls & ordinary	6.00— 8.00	5.00—10.00	....—	4.00— 6.00	10.00—15.00	....—10.00
	Bride, Maid, fancy-spec'l	8.00—10.00	10.00—12.50	....—	....—15.00	12.00—15.00	....—12.00
	" extra	6.00— 7.00	7.00— 8.00	....—	....— 8.00	8.00—10.00	....— ....
	" No. 1	4.00— 5.00	....— 6.00	6.00— 8.00	4.00— 6.00	6.00— 7.00	....— ....
	" No. 2	....— 3.00	4.00— 5.00	....—	3.00— 4.00	4.00— 5.00	2.00— ....
	K. A. Victoria	....—	....—	....—	....—	....—	....— ....
	La France	....—	....—	....—	....—	....—	....— ....
	Meteor	4.00— 8.00	6.00— 8.00	3.00— 7.00	6.00— 8.00	4.00—15.00	2.00—12.00
	Papa Gontier	....—	....—	....—	....—	....—	....— ....
	Perle	4.00— 6.00	4.00— 6.00	4.00— 5.00	4.00— 6.00	3.00— 6.00	2.00— 6.00
	Souv. de Wootton	....—	4.00— 6.00	....—	....—	....—	2.00—12.00
	ORCHIDS—Cattleyas	....—	....—	....—	....—	....—	....—25.00
	Cypripedium	....—	....—	....—	....—	....—	....— ....
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	Inf'r grades, all colors	.75— 1.25	1.00— 1.50	... —	1.00— 1.50	.75— 1.00	1.00— 2.00
	STANDARD VARIETIES White	1.25— 1.50	2.00— 2.50	....— 2.00	1.00— 1.50	1.50— 2.00	2.00— 3.00
	STANDARD VARIETIES Pink	1.50— 2.00	2.00— 2.50	1.50— 2.00	1.00— 1.50	1.50— 2.00	2.00— 3.00
	STANDARD VARIETIES Red	1.50— 2.00	2.00— 2.50	1.50— 2.00	1.00— 1.5	1.50— 2.00	2.00— 3 00
	STANDARD VARIETIES Yel.&Var.	1.50— 2.00	2.00— 2.5	1.50— 2.00	1.00— 1.50	1.50— 2.00	2.00— 3.00
	*FANCY— White	2.00— 3.00	....— 3.00	3.00— 4.00	2.00— 3.00	3.00— 4.00	3.00— 4.00
	*FANCY— Pink	4.00— 5.00	....— 3.00	3.00— 4.00	2.00— 3.00	3.00— 4.00	3.00— 4.00
	*FANCY— Red	4.00— 5.00	....— 3.00	3.00— 4.00	2.00— 3.00	3.00— 4 00	3.00— 4.00
	*FANCY— Yel.&Var.	4.00— 5.00	....— 3.00	3.00— 4.00	2.00— 3.00	2.00— 3.00	3.00— 4.00
	(*The highest grades of standard var) NOVELTIES	....—	....—	....—	....—	....—	....— ....
	ADIANTUM	.50— 1.00	....— 1.25	1.00— 1.50	....— 1.50	1.00— 1.25	.75— 1.00
	ASPARAGUS	50.00—60.00	....—	....—	....—60.00	35.00—50.00	20.00—50.00
	CALLAS	12.50—15.00	12.50—15.00	....—10.00	. ..—12.50	....—	6.00—12.00
	HYACINTHS	2.00— 6.00	2.00— 2.50	....— 2.00	....—	1.50— 3.00	2.00— 3.00
	LILIES	15.00—20.00	....—	....—12.00	....—	12.00—15.00	....— ....
	LILY OF THE VALLEY	3.00— 4.00	3.00— 4.00	....— 4.00	....— 5.00	2.00— 3.00	2.00— 3.00
	MIGNONETTE—ordinary	2.00— 4.00	....—	....—	....— 2.00	1.00— 1.50	....— ....
	MIGNONETTE— fancy	....—	....—	....—	3.00— 4.00	2.00— 3.00	....— ....
	NARCISSUS	2.00— 4.00	....— 3.00	....— 3.00	....—	2.00— 3.00	2.00— 4.00
	SMILAX	10.00—12.00	12.50—15.00	....—15.00	....—15.00	10.00—15.00	....— ....
	SWEET PEAS	....—	....— 1.00	....—	....—	....—	....— ....
	TULIPS	3.00— 4.00	2.00— 4.00	3.00— 4.00	2.00— 4.00	2.00— 4.00	2.00— 4.00
	VIOLETS	.40— .50	....— .40	.75— 1.00	....— .50	.50— .75	.50— 1.00
	VIOLETS—special	75— 1.00	....— .60	....—	.75— 1.00	1.00— 1.25	....— 1.50

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

WIETOR BROTHERS,
SUCCESSORS TO
ROGERS PARK FLORAL CO.,
Wholesale Growers of Cut Flowers
OFFICE AND SALESROOM,
51 WABASH AVE., CHICAGO.
Headquarters for AMERICAN BEAUTIES.

E. G. HILL & CO.
Wholesale Florists
RICHMOND, INDIANA.

WHOLESALE
FLORIST
1322 Pine Street,
ST. LOUIS, MO.

C. A. KUEHN,
WHOLESALE FLORIST,
1122 Pine St., St. Louis, Mo.
A COMPLETE LINE OF WIRE DESIGNS.

HOLTON & HUNKEL CO.,
WHOLESALE FLORISTS
AND FLORISTS' SUPPLIES.
Manufacturers of Wire Designs.
457 Milwaukee St. MILWAUKEE, WIS.
'Phone Main 874. P. O. Box 103.

Mention the Florists' Exchange when writing.

Wholesale Cut Flowers
...and...
Florists' Supplies.
C. C. POLLWORTH CO, Milwaukee, Wis.
Mention the Florists' Exchange when writing.

FLORISTS BOXES



THE J. W. SEFTON MFG. CO.
241-247 S. JEFFERSON ST.
CHICAGO, ILL.

Mention the Florists' Exchange when writing.

PREPARED PALM MATERIAL.

Selected Palmetto Leaves, good shape with long stems. Three sizes: Small, Medium and Large.—
Dried and Cured only, $5, $6 and $7 per 1000.
Prepared and Pressed Leaves, only need painting, $12, $17 and $19 per 1000.
Prepared and Painted, for decorating or to make up into plants, $4, $6 and $8 per 100.



Raw Cycas Leaves, dried and pressed, $14, $21 and $40 a 1000. Raw Areca and Chamadorea Leaves, dried and pressed, $12, $15 and $20 per 1000. Palm Fibre, for making up plants, 10c. per lb. Prepared Cycas Leaves, Cycas Wreaths. All varieties of dried Palm Leaves, Artificial Smilax, Needle Pines.
FLORIDA NATURAL PRODUCTS CO., Box 327, Orlando, Fla.
Mention the Florists' Exchange when writing.

NOTICE. NOTICE.
The Fifth Annual Trade Exhibition
Of CARNATION and other NOVELTIES will be held by
THE BOSTON CO-OPERATIVE FLOWER GROWERS' ASSOCIATION
Saturday, March 3d, 1900 10 o'Clock A. M.
At THE FLOWER MARKET, Boston, Mass.

All growers of Novelties or varieties of Standard Merit are cordially invited to bring or send on for exhibition samples of same. Circulars giving full information mailed upon application to
JOHN WALSH, Manager of the Market.

We are the Distributing Agents of the Largest, Best and Most Reliable Growers in this vicinity.

PITTSBURGH CUT FLOWER CO. LTD. FORT PITT 1765 A. D. COL. BOUQUET. PITTSBURGH, PA.

504 Liberty St.
FLORISTS' SUPPLIES.

ASPARAGUS PLUMOSUS NANUS
CUT STRINGS, 8 feet long,
35 to 50 cts. per String.
Shipped to any part of the country.

Roses, Carnations, Violets, Valley, Sprengeri, Smilax, Galax, Ferns, Wild Smilax,

Mention the Florists' Exchange when writing.

Room Wanted.

Cinerarias, from 4 in. pots, $5.00 per 100; with pots, $6.00 per 100, for Easter blooming.
Primroses, 4 in. pots, choice colors, in bloom, from $6.00 to $8.00 per 100.
Umbrella Plants, 4 in. pots, $7.00 per 100.
Begonia Vernon, 4 in. pots, $8.00 per 100.
Primula Obconica, in bloom, 4 in. pots, $6.00 per 100.
Cyclamens, 4 in. pots, in buds, $8.00 per 100.
Azaleas, bud and bloom, white and pink, 75c. each.
Standard Azaleas, 2 ft. high, white and other colors, 80c.
Cineraria Hybrida, 6 in., in buds, $2 50 per doz.
Freesias, 4 in. pots, in bloom, $1.00 per doz.
State particularly if wanted with or without pots.
CASH WITH ORDER. PLEASE.

GODFREY ASCHMANN,
1012 Ontario Street, Rising Sun, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

A few thousand left in 2½ in. pots at $30.00 per 1000; $3.25 per 100. **S. A. Nutt, La Favorite, Richard Brett, Wilhelm Pfitzer, Mazet Delayas, J. M. Garr, Mrs. E. G. Hill, Wonder, Granville, Rev. Atkinson, Mme. Salleroi, Geraniums,** in soil, $1.50 per 100; $12.00 per 1000.
Also, **Rose Geranium Cuttings,** $18 00 per 1000; $2.00 per 100.
COLEUS, Crimson Verschaffeltii and Golden Queen, $7.00 per 1000, 75c. per 100; 2 in. pots, $1.50 per 100. Coleus in variety, $5.00 per 1000, 60 cts. per 100; 1¾ in. pots, $1.25 per 100.
AGERATUM, Blue and White, 75c. per 100; 1¾ in. pots, $1.25 per 100. Princess Pauline, $1.00 per 100; 1¾ in. pots, $1.50 per 100.
GIANT ALYSSUM, $1.00 per 100.
SALVIA, Splendens and Bedman, $1.25 per 100; 2 in. pots, $1.75 per 100.
HELIOTROPE, 6 vars., named, $1.00 per 100; 1¾ in. pots, $1.50 per 100.
CUPHEA (Cigar Plant), $1.00 per 100.
FUCHSIAS, $1.50 per 100; 2½ in. pots, $2.50 per 100.
FEVERFEW, $1.50 per 100; $12.00 per 1000; 2 in. pots, $2.00 per 100.
VINCAS, $1.25 per 100; $10.00 per 1000. 4 in. pot, $8.00 per 100; $70 per 1000. Fine plants.

The above are rooted cuttings, except when noted. Cash must accompany all orders.

J. E. FELTHOUSEN, Schenectady, N.Y.

Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

Asparagus Plumosus, 3 in., $8.00 per 100.
Rex Begonia, 3 in., mixed, $4.00 per 100.
Marguerite Daisy, large flowering white, 2 in., $3.00 per 100. **Nephrolepis Cordata Compacta and Boston Fern,** 2 in., $4.00 a 100.
Kentia Belmoreana and Forsteriana, 4 in., nice plants, 40c. each; 3 in., 20 cts. each.

Geraniums: Double Grant, Bonnatt, 2 in., $3.00 per 100. Single Grant, Murandi, Sam Sloan, 2 in., $2 50 per 100.

English Ivy, 2 in., $3 00 per 100.

Campbell Violets, rooted runners, 50 cts. per 100.

NEW CARNATION KITTATINNY.

A new money making carnation; a white sport from Daybreak. Any one can grow it that can grow Daybreak, as it is identically the same in every respect except color, which is pure white; and with me it is a stronger grower and larger flower, and as a first-class all-round white can't be outclassed. Stock limited, and orders will be filled in strict rotation. Price per 100 Rooted Cuttings, $6.00.

Carnations, rooted cuttings. Daybreak, Iago, Flora Hill, $1.25 per 100. Scott, Fisher, Portia, McGowan, Alaska, Peach Blow, 75c. per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

BARGAINS

For retailers, jobbers, landscape gardeners, etc., for bedding, cemetery planting, etc. I am booking orders now for Spring or present delivery of all kinds of bedding, vase and ornamental plants in bud and bloom, or without, as desired, grown with especial care, bushy and hardy, in 2½ inch pots, or larger ones, if desired.

BLOOMING PLANTS Geraniums, Petunias, Verbenas, Scarlet Sage, Heliotrope, Vincas, Ageratum, Alyssums, Phlox, China Pinks, Snapdragon, Asters, Nasturtiums, Cupheas, Torenias, Cannas, Dahlias, etc., and 4 inch pot Roses.

FOLIAGE PLANTS Coleus, Alternantheras, Antherieums, Echeverias, Centaureas, Fancy Caladiums, Carex Japonica var. Mesembrianthemum, etc.

VASE PLANTS AND VINES

Hardy and tender, Dracænas, Palms, etc., Yuccas, Aucuba and other Evergreens, Shrubs, Hardy Perennials, etc.

Correspondence solicited, state quantity and size and time wanted, and I will give lowest prices.

N. STUDER, Wholesale Grower of Plants, **Anascotia, D. C.**

Mention the Florists' Exchange when writing.

Unequaled Varieties VERBENAS Vigorous Stock.

	100	1000
Best Mammoths, strong pot plants...	$3.00	$25.00
" " rooted cuttings.....	1 00	8.00
Older " "	.75	6.00
" " strong pot plants...	2.50	20.00

ROOTED CUTTINGS CARNATIONS VIGOROUS STOCK

General Maceo, G. H. Crane, $6.00 per 100 $50.00 per 1000.
America, Melba, Gen. Gomez, Mrs. G. M. Bradt, 75c. per doz.; $5.00 per 100; $40.00 per 1000.
White Cloud, Gold Nugget, $1.00 per 100; $30.00 per 1000.
Lion Ton, New York, Jubilee, Frances Joost, $2 50 per 100; $20.00 per 1000.
Armazindy, Flora Hill, Eldorado, Daybreak, John's Scarlet, Sea Shell, Victor, $2.00 per 100; $15.00 per 1000.
Alaska, Lizzie McGowan, Wm. Scott, Portia, $1.50 per 100; $12.00 per 1000.

Rooted CHRYSANTHEMUMS Cuttings

Send for list of 90 best Varieties.

CYCLAMEN GIGANTEUM.

From 3 inch pots, in bud, $8.00 per 100
" 3½ " " 10.00 "

Strong Tubers CANNAS DORMANT.

Alphonse Bouvier, Florence Vaughan, Doyen J. Sisley, F. R. Pierson, Italia, Burbank, Souv. de A. Crozy, John White, Pierson's Premier, Comte de Bouchard, Papa, Pres. McKinley, $3 00 per 100; $25.00 per 1000.
Chas. Henderson, Paul Marquant, Paul Bruant, Austria, Thos. S. Ware, Crrole, $2.50 per 100; $20.00 per 1000.

ROSES.

Bridesmaid, Ban Silene, Catherine Mermet, Duchess of Albany, Golden Gate, La France, Maid of Honor, Niphetos, Perle des Jardins, Pres. Carnot, Sunset, The Bride, Wootton, from 2½ in. pots, $5.00 per 100, $40.00 per 1000.

MISCELLANEOUS.

	100	1000
Anthemis, Double Golden Marguerite.	$2.00	
Ageratum, blue and white.....	1.00	$8 00
" Princess Pauline.....	1.50	
Coleus, all leading sorts	1.00	8 00
Fuchsias, double and single.....	2.00	15.00
Feverfew.....	1.50	12.00
Heliotrope, light and dark	1 25	10.00
Impatiens Sultani.....	2.00	
Moon Vines, true.....	2.00	15.00
Salvias, Splendens and Bedman.....	1.25	10.00

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

All stock enumerated below sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded. At 100 rates rooted cuttings will be shipped prepaid; at 1000 rates at purchaser's expense by express.

HARDY PINKS. We have 50,000 Hardy Pink Rooted Cuttings in cold house, well-rooted, and in excellent condition. 8 sorts as follows:
Her Majesty. Giant white.
Alba Fimbriata. White, fringed.
Brunette. Pink, with maroon markings.
Earl of Carlisle. Variegated maroon, rose and white.
Juliette. Cherry red, variegated pink and white.
Gertrude. White, maroon markings.
Laura Wilmer. Pink, with darker shadings, fringed.
May. Beautiful flesh pink, very fragrant.
$1.00 per 100; $8.00 per 1000.

Salvia splendens compacta. $1.00 per 100; $8.00 per 1000.
Lady Hume Campbell Violet. Clean, no disease; rooted cuttings from sand. 60c. per 100; $5.00 per 1000.
Double Petunia. Labeled, 25 sorts. $1.25 per 100; $10.00 per 1000.
Giant Double Alyssum. 75c. per 100; $6.00 per 1000.
Clematis Paniculata. Transplanted seedlings; nice, thrifty plants, $2 00 per 100.
Heliotrope. Eight sorts, labeled. $1.00 per 100; $8.00 per 1000.
Fuchsias. 25 varieties, best sorts, labeled, single and dbl. $1.25 a 100; $10 a 1000.
Strobilanthus Dyerianus. $1.00 per 100.

CARNATIONS See Florists' Exchange Jan. 20, or send for list

REX BEGONIAS Well-established young plants, from sand bed, mixed, in fine assortment, $1.50 per 100; $12.50 per 1000.

50,000 COLEUS Now rooted, clean and free from mealy bug. GOLDEN BEDDER and GOLDEN VERSCHAFFELTII, 75c. a 100; $6 a 1000. RED VERSCHAFFELTII and 30 other best commercial sorts, 75c. a 100; $5 a 1000.

Madeira Vine Roots. Fine plump tubers. 60c. per 100; $4.00 per 1000.

A. B. DAVIS & SON, Purcellville, Va.
(Near Washington, D. C.)

Mention the Florists' Exchange when writing.

Choice Plants! Low Prices!

All following are in first-rate condition.

CLEMATIS PANICULATA, strong, in flats, 100 Mailed, $1.25.
BEGONIA VERNON, 6 sorts, mixed, in flats, 100 Mailed, $1.25.
PEPEROMIA ARGYREA and **ARIFOLIA,** 100 Mailed, $1.25.
LYGODIUM SCANDENS, climbing fern, 2 inch pots, per 100, $3.00.
PTERIS TREMULA, 2 inch pots, per 100, $3 00.
PTERIS DEWEVANA, new, 1899, 2 inch pots, per dozen, $2.00.
NEPHROLEPIS WASHINGTONIENSIS, new 2 inch pots, 6 mailed, $1.25.
NEPHROLEPIS PHILLIPENSE, 2 inch pots, strong, per 100, $4.00.
GENISTA RACEMOSA, 5 inch, full bushes, full of flower spikes, per dozen, $2.00.
CYPERUS ALTERNIFOLIUS, 4 inch, per 100, $5.00. Carefully Packed. Cash with Order.

JOHN H. LEY, Good Hope, Washington, D.C.

Mention the Florists' Exchange when writing

CYCLAMEN PERSICUM GIGANTEUM

No finer strain on the market. Transplanted in flats $2 00 per 100; $18.00 per 1000.
Forget-Me-Not, stocky pot plants, $2.00 per 100. Large clumps for benching or dividing, $4.00 per 100.
Baby Primrose, in bud and bloom, $3.00 per 100.
Rudbeckia, Golden Glow, $3.00 per 100.
Double Petunias, in splendid mixture. Rooted cuttings, $1.00 per 100.
Alternanthera, 50 cts. per 100; $4 00 per 1000.
Salvia Splendens and **Bonfire,** $1.00 per 100.
Heliotrope, remarkable fragrance, no scentless varieties, $1.00 per 100.
Fuchsias, single, in variety, $1.00 per 100; Double, $1.50 per 100.
Feverfew, Dwarf Gem, $1.50 per 100.
Ageratum and **Parlor Ivy,** each, at 75c. per 100.
CARNATIONS. Scott and McGowan, $1 00 per 100; $6.00 per 1000. Daybreak, $1.25 per 100; $10 a 1000. Flora Hill, $1.50 per 100; $12.00 per 1000. Bon Ton, $2.00 per 100. Gomez, $4 00 per 100. Bear in mind we allow discount of 10 per cent. on all orders placed for Carnations before March 1st next.
Rooted Cuttings of all plants by the 100 are sent by mail

ORANGE FLORAL CO., West Orange, N. J.

Mention the Florists' Exchange when writing.



New Ever-blooming Geranium

AMERICA

Finest grower for pots or bedding. Color, white, salmon and rose in full sun, color of Begonia Gl. de Lorraine.

Floriferousness Phenomenal
Strong plants, 50c. each; $5.00 per doz.

MARS 2¼ inch pots, $5.00 per 100.

Set of Best 15 Novelties of 1899 Such as La Fraicheur, Emanuel Arene, Dryden, Southey, etc., for $2.00. This is the best bargain of the season. Plants guaranteed A1 in every respect.

CASH, PLEASE.

H. EICHHOLZ, Waynesboro, Pa

100,000 CUTTINGS

	Per 100
Alternantheras, red and yellow.....$5 per 1000,	$0.60
Alternantheras, a mixture struck..$9 per 1000,	1.00
Ageratum blue and white,	1.00
" Princess Pauline,	1 25
Alyssum, Double Giant,	1.00
Begonia Erfordii.....	2.00
" Rex.....	2.00
" Inc. Gigantea	2.00
Carnation, White Cloud,	3.00
" Triumph, Albertini, and Flora Hill,	2.00
COLEUS—	
Fancy and large leaf.....	1.00
Verschaffeltii, yellow and selected kinds, $7 a 1000,	.80
Mixed colors, $5 per 1000,	.60

	Per 100
Forget-Me-Not (Winter Flowering).....	$2.00
GERANIUMS—	
Named	2.00
Mixed	1.50
Mrs. Parker (Double Pink) Silver Leaf.....	4.00
Silver Leaf, Rose Scented	1.50
Mme. Salleroi.....	1.25
Double New Life.....	4.00
Mrs. Pollock and Happy Thought.....	2 00
Bronze.....	$1.50
Mars, Freak of Nature...	3.00
Mme. Bruant.....	2.50

	Per 100
Fuchsias, assorted.....	1.50
" Sun Ray (variegated)	4 00
" Trailing Queen	1.50
German Ivy.....	1.25
Heliotrope, purple and white.....	1.25
Impatiens Sultani.....	2.00
Lemon Verbena	1.50
Lantana, assorted.....	1.50
" trailing.	2.00
Manettia Bicolor.....	2.00
Tradescantia Tricolor.	2.00
Salvia.....	1.25
Vinca Var., extra strong	1.50

Let us book your order for the **BEST LATE WHITE 'MUM** at $2.00 per 100.

PLANTS. PLANTS.

	Per 100
Anthericum, 3 in.....	$6.00
BEGONIAS—	
Rex, assorted, 2¼ in.....	$4.00
" named, 2¼ in.....	6.00
Dracæna Indivisa, in flats.....	5.00
Fragrant Calla, 2¼ in., 1.50 per doz.	

	Per 100
Fragrant Calla, 4 in., $3.00 per doz.	
Forget-Me-Not (Winter Flowering) 2¼ in.....	Per 100 $4.00
GERANIUMS—	
Mrs. Parker.....	6.00
Happy Thought, 2¼ in...	4.00
Silver Leaf, 2¼ in.....	4.00
Mrs. Pollock, 2¼ in.....	4.00

	Per 100
LEMON VERBENAS, $3.00, $4.00 and.....	6.00
Mignonette, 2 in.....	2.00
Manettia Bicolor, 2¼ in.	4.00
Primula Obconica, 2 in.	2.00
In flats.....	1.50
Primrose, in bud, 2¼ in.	3.00

Terms, Cash or C. O. D. **GREENE & UNDERHILL, Watertown, N.Y.**

Mention the Florists' Exchange when writing

200,000 ROOTED CUTTINGS AND PLANTS FOR PROMPT SHIPMENT.

We guarantee Rooted Cuttings and Plants to reach you in a healthy condition; if not so, return at our expense.

The Spring is coming, if you do not have time to get a Money Order, have the R. C. and Plants sent C. O. D. with privilege of examining at Express Office.

CARNATIONS.

	Per 100
Mrs. Thos. W. Lawson.....	$14 00
Ethel Crocker, pink.....	10 00
Olympia, variegated.....	12 00
The Marquis, pink.....	10 00
Genevieve Lord, pink.....	10 00
G. H. Crane, scarlet.....	5 00
America, scarlet.....	4 00
Melba, light pink.....	3 00
Mrs. G. Bradt, variegated.....	3 00
Glacier, white, fine.....	3 00
Maude Adams, dark pink.....	3 00
Gomez, dark red.....	4 00
Mrs. F. Joost, pink.....	2 50
Gold Nugget, yellow	3 00
Argyle, pink, fine.....	1 50
Triumph, pink.....	1 50
Daybreak, abell pink.....	1 00
Empress, dark red.....	1 00
Flora Hill, white.....	1 25
White Cloud, white.....	2 50
Mary Wood, white, fine.....	3 00
Jubilee, scarlet.....	1 50
Psyche, variegated.....	1 00
Gen. Maceo.....	4 00
Armazindy	1 50

12 cuttings at 100 rate.
On R. C. Carnations by mail, add 20c. per 100.

PLANTS.

	Per 100
Clara Bedman Salvia.....	$2 00
Geranium De Roo Mitting.....2¼ inch....	7 00
Geranium Double Snow Drop, "	7 00
Geranium Mme. Salleroi..... "	2 00
New Yellow Baby Primrose.... "	7 00
22 Coleus, fine, named, new..... "	4 00
20 Standard Coleus, named.... "	1 50
30 Double Petunias, mixed.... "	2 00
Primula Obconica, 3½ inch.....	2 50
Primula Obconica, 2¼ inch.....	2 00
Primula Chinese, 2¼ inch.....	1 00
Primula Chinese, in bud and bloom, 3½ in.,	2 50
Primula, from flats, strong.....	50
Velvet Plant.....	2 00
15 Begonias, flowering, named, 2¼ inch....	1 50
Forget-Me-Not, winter flowering, 2¼ inch,	1 50
Iresines, 2 varieties, red, yellow, 2¼ inch..	1 50
Cannas, large flowering, mixed.....	1 00
Mesembryanthemum Erectum, 2¼ inch..	1 50
California Moss..... " ..	1 50
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Alternanthera, 4 varieties..... " ..	1 50
Feverfew, Little Gem..... " ..	1 50
Feverfew, yellow foliage..... " ..	1 50
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Cigar Plant..... " ..	1 50
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Lobelia, Crystal Palace Gem, "	1 50

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Buffalo.

The Carnation Convention Locally.

The recent convention of carnationists here might have been termed an exciting absorbent as regards the personality of many of the local craftsmen. What an eight-year growth this society has made. Several years back at the meeting in the Tifft House here, a 20-foot square room held the exhibit. Another, but a bit larger, accommodated the business. Daybreak carnation was then first beheld by some, and what a revelation in color in carnations it was. The Scott, on its first exhibition, was christened. The judgment was done by a hasty look at the stocks. No points business considered. Trnly, things move.

The method here inaugurated by local management of admitting the public free, but under ticket admission, these procurable at the various florist stores, operated nicely in a way that discriminated in favor of those who wished to put themselves out of the way to procure admissions. It resulted in the same flower-lover classes of people attending that we see at paid flower shows, and the wandering, ill-mannered riff-raff that follow crowds, if it's free, were nicely absent. The weather was cold but pleasant.

Money still talks! "Which is the Lawson flower that was bought for $30,000?" This was the continually repeated question that curiosity had provided for so many tongues. No. 666 is a bumper for size, while its beauty is not to be lightly treated.

What an attraction the natural Niagara has. Seems every out-of-town person was bent on visiting there. A bit strange to us here who consider Niagara too cold and bleak in Winter to visit more often than at decade periods.

The local stores had frequent visitors. Miss Rebstock pays a compliment to the good looks of the out-of-town boys, but found fault with their calling in such decided "bunches."

Entertainment, we termed it, and not a banquet. Dress suits seemed hardly *de rigeur*, and were not expected.

Charles Keltsch's perennial smile stood him clear through the managing ordeal, even when authority was necessarily exercised to stop a beginning of giving away of exhibit blooms to pretty covetous visitors.

Robert Kilts' suspenders seem not such a slow article.

Demonstrator Scott knows when a man may be called down—and does it, too.

Trade Notes.

There has been a good call for funeral work on a number of days recently, and which helped a trade that otherwise inclines quiet. Flowers are becoming more plentiful, usually ample for the demands.

It is now announced that F. H. Taylor, at present manager of Concessions for the Pan-American Exhibition, has been appointed Chief of Horticulture, and Wm. Scott his assistant, the latter, however, to be given direct supervision and management of the floricultural department. Congratulations are in order on all sides.

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NOTES BY THE WAY.

GENEVA, N. Y.—W. and T. Cass report a good season, both in nursery and plant branches. They have a grand lot of Dracæna indivisa, grown especially for vase work. This plant does finely in the rich soil hereabouts.

AUBURN, N. Y.—The ravages of the eel worm will cause Alfred Patrick to throw out one house of roses, clean out soil, kerosene benches thoroughly and plant grafted stock, which he hopes will resist the pest. It is not often one hears of too much business, yet the record of funeral work and weddings surpasses anything ever before experienced, and a corresponding shortage of roses made the task of giving satisfaction more difficult. Carnation White Cloud is fine. I noted a grand house of this variety at Mr. Marquisee's.

WATERTOWN, N. Y.—Greene & Underhill are much pleased with a light pink seedling carnation, Ma Belle; it originated with Mr. Marquisee, but was not placed upon the market. It is an improved Daybreak. The demand for begonias exceeds supply. A. Stoeckle showed me the prettiest Marie Louise violets, blooms possessing that rich color and fragrance so essential to this flower. He is picking 1,000 per diem and has no difficulty in disposing of them at home. He is cutting fine Bride and Bridesmaid from those new houses he recently built, and which are equal span, 220x20 feet each.

OGDENSBURG, N. Y.—Situated at the extreme northwestern end of the Empire State is a snug concern which well represents our business. Here I learned something that will interest those who are ever anxious to get Lilium Harrisii in at Christmas and force out what little use they now possess in the endeavor. Mrs. Lawrence never keeps the house above 50 degrees night, and had a handsome crop in easily and with little disease. This lady has, in Spring, quite a sale of carnations in pots, which reminds me that Houghton & Clark, of Boston, had a fine lot for the holidays. They sold better and higher in proportion than any other blooming plant.

OTTAWA, ONT.—The Imperial violet is a favorite here. Edward Mepsted, foreman for Chas. Scrim, thinks the new house well adapted to this variety. Marie Louise and California are in prime condition. I noted a grand house of roses—Sunsets—very fine.

Graham Bros. have added considerably to their plant since my last visit. They have a well equipped range and grow for both store and catalogue trade, which is extensive. They report seed business as opening up most auspiciously.

W. M.

Newport, R. I.

The Horticultural Society's annual ball was held Wednesday evening, February 7, at the Masonic Hall, and proved an unqualified success, the society netting over $120 on the affair. The hall was beautifully decorated with plants, flowers and electric lights. The grand march was led by floor director Alderman Louis Shanteler, with Miss Laurie, daughter of the society's president, Robert Laurie, followed by over 100 couples, the fun being kept up until the "sma'" hours of the morning. The premier award in the prize cake walk was made to Messrs. Meikle and Casey. During the intermission supper was served in the upper hall.

The committee of arrangements were: Messrs. A. E. Burland, Louis Shanteler, William T. Libby, Simon Koschny and W. H. Maher, and the Reception Committee: Robert Laurie, Robert Johnston, Alex. Ogg, Richard Gardner and Bruce Butterton.

At the society's meeting on the 14th inst. a schedule for the Rose and Strawberry Show was approved; it will be issued shortly.

At several public entertainments given here recently we have noticed large hanging baskets of Begonia Gloire de Lorraine used to good effect in the decoration.

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1000 3 " "	5.00	48 10 " "	4.80
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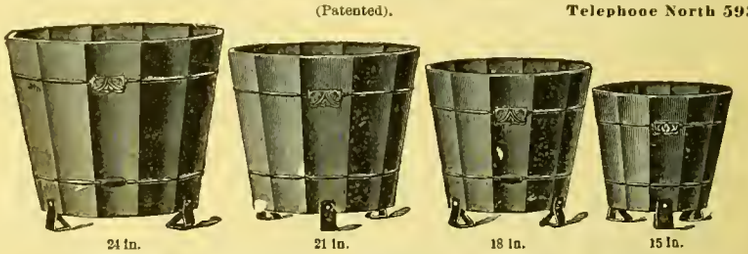

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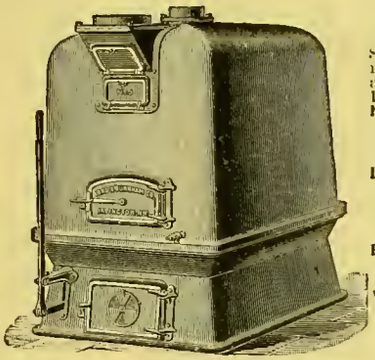

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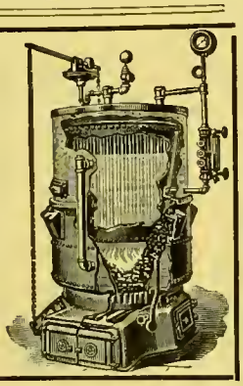

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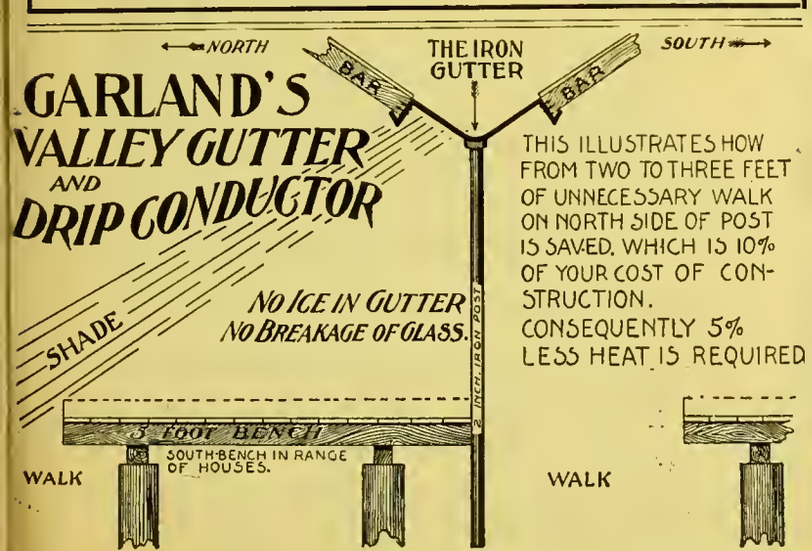

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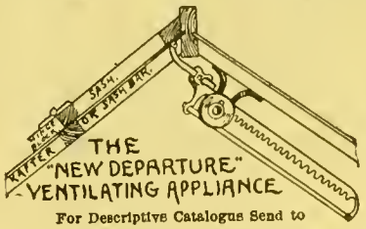

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GOLD FISH Large or small (shipped safely by express), $5.00 per 100.
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FISH GLOBES Send for our Special Price List.
FISH FOOD.....per dozen boxes, 40 cts.
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TOBACCO STEMS Per bale, 250 lbs., $1.50.

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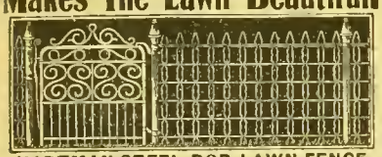
Makes The Lawn Beautiful.



HARTMAN STEEL ROD LAWN FENCE
adds to the attractiveness and value of the home. Strong and durable; keeps out everything but the sunshine. Unequaled for School Lawns, Church Enclosures, Parks, Cemeteries, Private Lots, etc. Catalogue free.
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Or Room 80, 309 Broadway, New York City.

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STRING IT!

(Your SMILAX and ASPARAGUS)
With the MEYER GREEN SILKALINE.

Also made in fancy colors for Bouquet Tying.
FOR SALE BY LEADING DEALERS.
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ANTHERICUM PICTURATUM, 3 inch pots $5 per 100; 4 in. pots, $8 per 100.
DRACÆNA INDIVISA 4 in. pots, $1 per doz.; 5 in pots, $1.50 per doz.
UMBRELLA PLANT 3 in. pots, $5.00 per 100.
PHŒNIX RECLINATA $6.00 per doz.
GERANIUMS Best varieties only, from soil, $2.50 per 100; $20.00 per 1000.

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For Florist, Store and Greenhouse; Wire Frames, Cape Flowers, Cycas Leaves and Wreaths, Metal Designs, Wheat Sheaves, Etc. Also Seeds and Bulbs. Send for latest lists to

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Largest Stock in the Country.

All goods up-to-date and of superior quality. Write us for prices and other information. Our new catalogue sent on application to the trade only.

NEW CAPE FLOWERS!

Price on Application.

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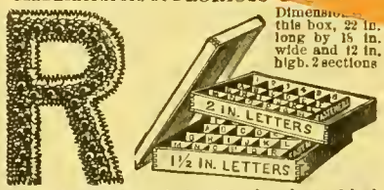
Manufacturers of FLORISTS



Dimensions of this box, 22 in. long by 15 in. wide and 12 in. high. 2 sections

This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1½ or 2 inch size, per 100, $2.00.
Script Letters, $1.00.
Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

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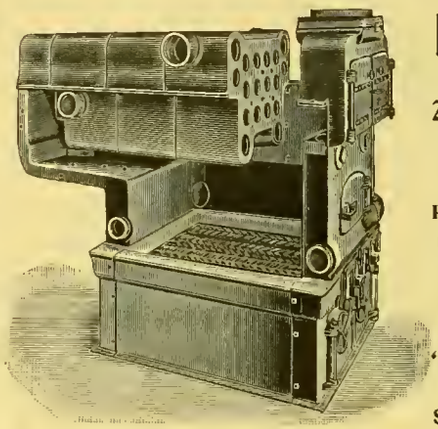

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233 Mercer Street, New York.

FIVE PATTERNS OF BOILERS,
Nineteen Sizes.
Perfect Sash Raising Apparatus.
Rosehouses, Greenhouses, Etc., of Iron Frame Construction erected complete or the Structural Iron Work shipped ready for Erection.
Iron Frame Benches with the
"Perfect Drainage Bench Tile"
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Send 4c. Postage for Illustrated Catalogue

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IMPORTERS AND DEALERS IN **SUPPLIES**

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RECEIVED PER STEAMER . . . GEORGIAN . . .

NEW CAPE FLOWERS

"New" Enameled **POTCOVERS** superior to anything in the market. Any color you desire.

6 inch.....$3 per dozen	9 inch.....$6 per dozen	11 inch.....$8.25 per dozen
7 inch..... $4 per dozen	10 inch.....$7 per dozen	12 inch.....$10.00 per dozen
8 inch..... $5 per dozen		

Stands to match 75 cents each.

A. HERRMANN, Manufacturer of Metal Floral Designs..... Importer and Dealer in Florists' Supplies,
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ESTABLISHED 1866 **EMIL STEFFENS** SUCC.TO N. STEFFENS. AND STEFFENS BROS.

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LILIES == EASTER

One Suggests the Other.

High-class liberal patronage and early ordering are desirable to the florist. For promoting such we offer **New and Elegant Easter Souvenirs** in true to natures effect.

High art combined with business. Their beauty is a surprise to everybody.

A variety is offered. **Prices moderate. Samples for 10 cts.** Early selecting and ordering an advantage.

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Lehman's Wagon Heaters

Will protect Plants from freezing in the coldest weather at the cost of one-half cent per hour.

NO DANGER OF FIRE.
NO GASES TO INJURE PLANTS.
NO ODOR. NO SMOKE. NO DIRT.

Over 125 000 in actual use every Winter by Florists, etc.



Send for Descriptive Circular and Price List.

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ELECTRIC FERTILIZER

GUARANTEED TO CONTAIN

PHOSPHORIC ACID, 9%; SULPHATE OF AMMONIA, 5%; SULPHATE OF POTASH, 7%; also SULPHATE OF MAGNESIA, LIME, SODA, SULPHURIC ACID, Etc.

This product is a complete fertilizer for all Greenhouse Plants, Fruits, Vines, Flowers and Farm Plants. Ten days after use it will show its beneficial nourishing action on the plants. It contains ingredients, which, by means of a chemical treatment, will continue to benefit the plants for a whole year.

Among the Many Testimonials Received We Submit the Following:

TO THE ELECTRIC FERTILIZER CO.:

GENTLEMEN—After a thorough analytical examination of your "Electric Fertilizer" I find that it possesses the following advantages over all other brands:

1. The proportion of the several ingredients to one another I consider wisely selected.
2. All microbes and vermin which threaten to destroy the roots and the young shoots of plants are exterminated by the use of the Electric Fertilizer, and the formation of new insects absolutely prevented.
3. The existing plant foods contained in your Fertilizer become by your special treatment readily absorbed.

I am convinced that the Electric Fertilizer, after its introduction upon the market, will find ready purchasers.

Most respectfully signs,
PROF. L. DELMARS, Physiological Chemist,
874 Lexington Avenue, New York.

PRICE, $38.00 per ton. Single Bags of 167 lbs., $3.50.

I have given my exclusive attention to and carefully watched the results of the **Electric Fertilizer** on every plant and am now convinced that it is of a far superior quality to any fertilizer I have ever used before. The results obtained from its use on both flower and vegetable plants surpassed by far my expectations. After a thorough trial I sincerely recommend the **Electric Fertilizer** to all Florists, Gardeners and Farmers.

JOSEPH SKLENKA, Florist and Gardener,

Principal Agent for the ELECTRIC FERTILIZER. 279 Lockwood St., Long Island City, N. Y.

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THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant.

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL.

Vol. XII. No. 9. NEW YORK, MARCH 3, 1900. One Dollar Per Year.

TUBEROUS-ROOTED BEGONIAS

Single, in separate colors—white, pink, scarlet, etc., $3.00 per 100; $25.00 per 1000.

Double, in separate colors—yellow, scarlet, pink, etc., $5.00 per 100; $40.00 per 1000.

GLOXINIAS. Finest strain Hybrida Crassifolia Erecta Grandiflora, finest mixed. $4.00 per 100; $30.00 per 1000.
Separate colors—white, red, blue, red bordered blue, white-bordered blue, $5.00 per 100.

TUBEROSE PEARL. Extra quality bulbs, $1.00 per 100; $7.50 per 1000.

CALADIUM ESCULENTUM. Large bulbs, 6 to 9 ins. in circumference, $3 per 100.
Extra sized bulbs, 9 to 12 ins. in circumference, $6.00 per 100.

DAHLIAS. We offer an elegant assortment of all the finest varieties of the Cactus, or Decorative; Large-flowering, or Show; Pompon, or Small-flowering, and Single. Strong field-grown roots, finest assortment of varieties, $6.00 per 100; extra choice sorts, $8.00 per 100.

CANNAS. Strong, dormant roots of the leading kinds, like Florence Vaughan, Pres. McKinley, Admiral Avellan, Leonard Vaughan, Comte de Bouchard, Mlle. Berat, Mme. Crozy, Chas. Henderson, Pres. Cleveland, Secretaire Chabanne, etc., $3.00 per 100.

POT-GROWN LILACS FOR EASTER FORCING. Strong plants, well budded—Marie Legraye and Chas. X., two best varieties, $6.00 per doz.

DEUTZIA GRACILIS. Strong plants, fine for Easter forcing, $12.00 per 100.

We also have a fine lot of **HYBRID PERPETUAL ROSES** Strong field-grown plants, $12.00 per 100.

CRIMSON RAMBLER ROSES. Strong, field-grown plants, $16 per 100.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

THE ADJECTIVE NEW

Correctly Qualifies Our Goods.

THEY ARE NOT A CONTINUATION OF FORMER YEARS.

The motive, the goods involved, the source from whence they came, and the conditions that regulate prices are wholly different.

"GET YOUR MONEY'S WORTH" and send for our Wholesale Catalogue of **New Seeds, Bulbs and Plants,** just issued.

MEASURED BY FORMER PRECEDENTS, as well as current standards, the values recorded therein are truly interesting.

As before said, we shall continue to appear in this corner each week, with our specials in **NEW SEEDS, NEW BULBS** and **NEW PLANTS, but our much appreciated phenomenal success and the steadily increasing business has forced us to put our many specials in book form.**

DON'T SEND FOR IT if you expect a book for adorning the parlor table.

Asparagus Plumosus Nanus.

Nothing will pay you better to grow—it can be put to so many uses—try a thousand seeds for $9.00; every one grows and makes a plant worth a quarter before Summer.

CLUCAS & BODDINGTON CO.,

342 WEST 14th STREET, Telephone 461 18th. **N. Y. CITY.**

Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS.

ORDERS BOOKED NOW In order of receipt, for Rooted Cuttings of the Famous....

Mrs. Thomas W. Lawson,

The $30,000 Queen of CARNATIONS FOR SPRING DELIVERY.

COMMENCING FEBRUARY 1st, 1900.

Prices:

Per dozen	$3
Per 100	$14
Per 1000	$120
Per 5000	$500
Per 10,000	$800

TERMS: Strictly Cash, or C.O.D. from Unknown Parties.

The quoted prices are for THE TRADE ONLY, and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower.

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

Thos. F. Galvin 124 Tremont St., BOSTON, MASS.

FINE NEW PLANTS

Ready for Immediate Shipment.

Russelia Multiflora A splendid **vase plant,** strong, vigorous grower, producing immense sprays, 3 feet or more in length, literally covered with coral red flowers; also very effective in baskets and window boxes; easily grown; extra strong plants from 3½-inch pots. $1.25 per dozen; $8.00 per 100; small plants, $5 per 100.
See cut on page 215.

Russelia Elegantissima Similar to above but stronger grower. Same price as above.

Browallia Gigantea A fine blue flowered plant, valuable for bedding; never out of flower Winter or Summer; blooms with great profusion in beds in Summer and covered with flowers the entire Winter in the greenhouse. We have kept single plants two years and they were never out of flower during the entire period. Fine, strong 2½-inch stock. 75 cts. per dozen; $5.00 per 100.

Tropæolum Phœbe An attractive, strong growing, novel flowered nasturtium; free bloomer, producing fine long strings. Very effective as a greenhouse climber; also for vases, trellises or pillar work. Strong plants from 3-inch pots. 15 cts. each; $1.00 per dozen; $8.00 per 100.

Calla Fragrans A strong growing, free blooming, dwarf compact growing calla, producing large fragrant blooms; decidedly the best of all callas for house culture. Fine strong plants from 4-inch pots. 20 cts. each; $2.00 per dozen.

Baby Primrose (Forbesii.) We have a fine stock of this useful little plant, which blooms continuously with us in greenhouse or cold frame. Strong 2-inch stock. 75 cts. per dozen; $5.00 per 100.

Acalypha Sanderi Fine strong, cool-grown plants, from 3-inch pots, well furnished with tails. If grown properly this makes a striking decorative plant. 15 cts. each; $1.50 per dozen; $10.00 per 100.

Nephrolepis Cordata Compacta
Extra strong 4-inch plants. $1.25 per dozen; $8.00 per 100.

Asparagus Plumosus Nanus
Extra strong 3-inch stock. $1.25 per dozen; $8.00 per 100.

Asparagus Springeri
Strong 2-inch plants, with firm bulbs. $4.00 per 100; $37.50 per 1000.

The above plants are well established, thoroughly hardened, and ready for immediate shipment. Also see our advt. on page 215.

THE COTTAGE GARDENS, Queens, N. Y.

C. W. WARD, Manager.

PROCRASTINATION Is The THIEF OF TIME



NOTHING GAINED BY DELAYING YOUR ORDERS.

TUBEROSES. 1st Size, 4 to 6, $1 per 100 $7.00 per 1000.

CINNAMON VINES 1st Size, 50c. per doz.; $2.50 per 100.

MADEIRA VINES. Extra Strong, 50 cts. per doz.; $2.00 per 100.

CALADIUMS. Medium, $6.00 per 100.

ASTERS. Leading Varieties. Trade Packet, 25 cents.

LOBELIA. Crystal Palace Compacta. Trade Packet, 25 cts.

STOCKS. Early Forcing, ten weeks. Trade Pkt., 25 cts.

VERBENA. Mammoth. Trade Pkt., 25 cts.

Mention this paper. **WM. ELLIOTT & SONS, 54 and 56 Dey St., N. Y.**

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SPRING BULBS.

Begonias Single Tuberous Rooted, Scarlet, Crimson, Rose, Salmon, Yellow, White and Mixed, per doz., 50 cts.; per 100, $3.00.

Gloxinias, extra choice mixed. 60 cts. per doz; $4.00 per 100.

Madeira Vines, 3oc. per doz.; $2.00 per 100.

Caladium Esculentum (Elephant's Ear). 5x7 inch, 50 cts. per doz.; $2.50 per 100. 7x9 inch, 75 cts. per doz.; $4.00 per 100. 9x11, $1.00 per doz.; $6.00 per 100.

Cannas, dormant roots, Dwarf French. $2.00 per 100.

SPRING SEEDS.

ASTER SEMPLE'S. in Pink, White, Lavender, Purple, Crimson, 15 cts. per package; 75 cts. per oz.

QUEEN OF THE MARKET, White, Crimson, Rose, Light and Dark Blue, 15 cts. per package; 60 cts. per oz.

Cobæa Scandens, 10c. a package; 40c. per oz.

Phlox Nana Compacta, Fireball, 25 cts. per package; $3.50 per oz. Snowball, 25 cts. per package; $2.00 per oz.

Salvia Nana Compacta, Bonfire, 25 cts. per package; $3.00 per oz.

Salvia Silver Spot, 25 cts. per package.

STUMPP & WALTER CO., 50 BARCLAY ST., NEW YORK.

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VICK'S SEEDS

FOR FLORISTS.

All Home-Grown Seeds.

	¼ Oz.	Oz.
Aster, Vick's Daybreak, Pink	$1.50	$4.00
" " Purity, White	2.00	6.00
" Branching Comet, White	2.50	8.00
" Vick's Branching, in colors, White, Pink, Crimson and Purple, each	.25	.75

Trade List, also Garden and Floral Guide, now ready. Send for it.

JAMES VICK'S SONS, Rochester, N.Y.

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WE ARE GROWERS AND FOUNTAIN SOURCE OF FOLLOWING SPECIALTIES:

Lima Beans—Bush and Pole; Kentucky Wonder; Tall Oerm'n Wax; Creaseback; All other sorts Pole; Bermuda Grass; Canaigre; Carrot; Celery; Lettoce; Onion; Parsnip; Radish; Salsify; Salt Bush; These New Vars. Centaurea Imperialis; Dianthus, Oriental Beauties; Masterpiece Pansy; Winter Pineapple Muskmelon; Chilian Watermelon; Australian Brown Onion; Triumph Radish; Roselle, or Lemonade Plant; Asters, choice; Cosmos, choice; Sweet Peas; Verbenas; Calla Bulbs, Freesia Bulbs; Seeds of all varieties of Acacias, Cypresses, Eucalyptus, Palms, Thujas; Musa Eusets; Camphor Tree; Grevillea; California Big Tree; California Redwood Tree, Etc.

Correspondence Solicited.

JOHNSON & MUSSER SEED CO., LOS ANGELES, CAL.

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SOME SEEDS

You Need, and Which We Offer in Best Germinative Quality as Long as Stock Lasts:

	100	1000	5000
ASPARAGUS PLUMOSUS NANUS, (True)	$1.00	$9.00	$40.00
ASPARAGUS SPRENGERI	.75	5.00	20.00
COCOS WEDDELIANA	1.00	7.00	32.50
LATANIA BORBONICA	.40	2.50	10.00
KENTIA BELMOREANA or **FORSTERIANA**	.60	4.50	20.00
SMILAX SEED	oz., 30c.; lb., $2.50		

BENARY'S FINEST PRIZE STRAIN SEED OF STOCKS, In 6 separate colors, large pkt., 25c.; 1 oz., 50c.; 1 lb., $5.00, (To close out.)

SWEET PEA SEED, crop 1899, all standard sorts, your choice, 30c. per lb.; $2.50 per 10 lbs. Eckford's finest Hybrids, per lb., 25c.; 10 lbs., $2.00.

	100 seeds.	1000 seeds.
CYCLAMEN PERSICUM GIGANTEUM, in separate colors	$1.00	$7.00
" " " mixed colors	.75	5.00
CINERARIA HYB. GRANDIFL., Max or **Naua,** About 500 seeds, 25 cents.		
PRIMULA, in separate colors	.30	2.00
" mixed	.20	1.50
PANSY SEED, Prize Mixture		.25

SEND FOR COMPLETE NEW LIST.

FOR EASTER FORCING.

	Each.	Doz.	100
FERN BALLS, 9-10 ins. diameter	$0.75	$8.00	$60.00
FERN WREATHS, large, 10-12 ins. diameter	.60	6 00	45.00
" " 8-9 ins. diameter	.40	4.00	30.00
AZALEAS, in full bud, 5-6 in pots, 12-14 ins., crown, extra fine plants.		6.00	50.00

To close out, a **lot of TREE PÆONIES,** in four colors. Each, 35c.; Doz., $3.50. (This is half price.)

BULBS. BULBS.

USEFUL TO PLANT NOW.

	Doz.	100
BEGONIAS, Tuberous-Rooted, single, 1-2 in., 5 colors, separate	$0.40	$2.50
" " " double, " " "	.75	5.00
GLOXINIA ERECTA CRASSIFOLIA, 1-3 in., choice	.50	3.00
GLADIOLI, in separate colors. Extra choice florist's mixture	1.00	8.00
CALADIUM, fancy-leaved, 10 best sorts, 1-1½ in	1.00	7.00
" " " 1½-2 in	1.25	10.00
CALADIUM ESCULENTUM, sound, fine, center shoots, 5x7	.40	2 50
" " " " " " 7x9	.60	4.80
" " " " " " 9x11	.80	6.00
" " " " " " Monsters	1.25	10 00
Extra fine brand **VALLEYS**	100, $1.00;	1000, $9.00

PLANT NOW TO HAVE THE FIRST IN FLOWER.

	Doz.	100
LILIUM AUREATUM, 8x9	$0.60	$4.50
" 9x11	1.00	7.00
" **SPECIOSUM RUBRUM,** 8x9	.60	4.00
" " " 9x11	.85	6.50
" " **ALBUM,** 8x9	.75	5 50
" " " 9x11	1 00	7.00

5 per cent. Discount for Cash with Order.

CYCAS REVOLUTA Stems ready April. Secure prices and stock now. It will be scarce this season in smaller sizes.

Send for Prices and Information on anything you wish. All questions cheerfully answered.

H. H. BERGER & CO., 47 Barclay St., New York.

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COX SEED CO.

Wholesale Seedsmen

14 & 16 Ninth Ave., NEW YORK. 411, 413, 415 Sansome St., SAN FRANCISCO.

Mention the Florists' Exchange when writing.

PALM SEEDS

FRESH ON HAND.

	100	1000	3000
Phœnix Tenuis	$0.75	$5 00	$13.50
" **Pumila**	1.00	8.00	22.50
Pandanus Utilis	1.25	10.00	27.50
Asparagus Plum. Nanus, true	1.25	9.00	26.50
" **Sprengeri**	.75	6.50	18.00

L. J. SCHILLER, 404 E. 34th Street, New York.

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A LIMITED QUANTITY OF

SEEDS FOR SPRING SOWING

Separate colors. **Semples Asters,** Crimson, Lavender, Pink, Purple, White. **Betteridge's Prize Quilled,** Mixed, at $1.00 per oz. **Giant Branching Comet,** rose pink, white, white striped pink, $2.00 per oz. **Silver Tip,** blue and pink, per trade pkt., 25 cts. **Mignonette,** Allen's Defiance, 50 cts. per oz. **Golden Machet,** 25 cts. per oz. **Pure Machet,** 25 cts. per oz.

AMERICAN ROSE COMPANY, WASHINGTON, D. C

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BUTTERCUP OXALIS

Bulbs will be ready for July delivery.

MAMMOTH	$6.00 per 1000
1st SIZE	4.00 "
2d SIZE	3.00 "

California prices. On all orders of less than 1000 add 25 per cent.

CHAS. H. CAMPBELL, Richland, Cala.

Mention the Florists' Exchange when writing.



Mention the Florists' Exchange when writing.

TUBEROSES=The Pearl

Size, 4 to 6 inches circumference,

Per 1000, **$6.50 Net.**

CASH WITH ORDER.

HULSEBOSCH BROS., Englewood, N. J.

Mention the Florists' Exchange when writing.

SEEDS for Profit

FLORISTS' FLOWER SEEDS

Sweet Peas

Wholesale Catalogue on application.

WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., New York City.

Mention the Florists' Exchange when writing.

Mrs. Shepherd's Grand New ZONALE GERANIUM SEED

"Good Venture Strain."

Saved from my Magnificent Collection of New Large Flowering varieties.

Snow White, Blush, Pink Shades, Scarlets, Crimson, Aureole types, Variegated in infinite variety. A SPLENDID MIXTURE. Send to

Mrs. THEODOSIA B. SHEPHERD,

Ventura-by-the-Sea, Cal., for trade list.

Mention the Florists' Exchange when writing.

OUR 1900

SPRING ISSUE

Book for Florists

Is now being mailed to our regular customers. It is overflowing with

"GOOD THINGS FOR THE FLORISTS."

If you don't get a copy, we shall be glad to send you one. A postal card will start it.

Asparagus Sprengeri. Per 100 seeds, 60 cents; 250 seeds, $1.25; 1000 seeds, $5.00; 3000 seeds, $13.50.

VAUGHAN'S SEED STORE,

NEW YORK: 14 Barclay St. **CHICAGO:** 84-86 Randolph St.

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ESTABLISHED 1802

THORBURN'S SEEDS

Our Wholesale Price List of

Choice Flower Seeds

FOR FLORISTS

Is now ready. A post card will bring it to you. We have still on hand some of our

LILY OF THE VALLEY PIPS

The finest that come to this country; per 1000, $10.00. Cases of 3000 at $9.00 per 1000.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

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OUR NEW MARCH FIRST

Market Gardeners and Florists' Wholesale Catalogue

Is now ready, and if you do not receive a copy by mail, write for it.

SPECIAL OFFER OF BULBS.

	Doz.	100
BEGONIA, Tuberous Rooted—		
Single Mixed	$0 35	$2 00
Rose, Crimson, Scarlet, Piok, Yellow and White	40	2 50
GLOXINIAS, choice mixed	50	3 50

	100
CALADIUM Esculantum, small size	$3 50
Medium size	6 00
Large size	12 00
TUBEROSES, Double Pearl No. 1, per 100, 85c.; per 1000, $6 50.	

JOHNSON & STOKES, 217 and 219 Market Street, Philadelphia, Pa.

Mention the Florists' Exchange when writing.



Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANNER RODGERS, Chicago, Ill., President; ALBERT McCULLOUGH, Cincinnati, First Vice-President: F. W. BOLGIANO, Washington, Second Vice President; S. F WILLARD, Wethersfield, Conn., Secretary and Treasurer.

New York.—R. Buongiorno, who kept a seed store in Middle Village, N. Y., died suddenly on Tuesday last.

W. A. Prosser, until lately manager for Vaughan's Seed Store here, has severed his connection with that concern.

Rochester, N. Y.—During the past two weeks the following persons called on the several seed firms here: Chas. P. Braslin, representing several California firms; H. Cheeseman, representing Cox Seed Co., New York; H. H. Harries, of the firm of Goodwin, Harries & Co., Chicago, Ill.; John Barclay, of Vaughan's Seed Store. They all report lots of business from all sections. Many lines of stock are already sold out; some varieties could not be obtained at any price. Wholesale houses anticipate a general rush in March for filling in orders. It may be noticed that nearly all firms are contracting at higher prices than they did last season. There seems to be quite an advance in contract prices for peas, beans, onion seed and other stocks that were short the past season.—B.

Clover Seed.—A recent bulletin issued by the Vermont Experiment Station states: "Clover seed absolutely pure is an unknown quantity in this market. The station made a number of examinations last year. Twenty samples of red clover seed showed an average impurity of 1.8 per cent. by weight. Twelve samples of alsike clover showed an average impurity of 3.2 per cent. By actual count in small samples the seeds of noxious weeds averaged about 300 to each ounce of the clover seed. These were principally sorrel, plantain, goosefoot, quack grass, pig weed, wild carrot and kale, in the order named. Besides these there was more or less mixture of other seeds like timothy, herds grass, etc., and of other species not counted as weeds. These samples were all secured of dealers in Vermont."

Our Paris Letter.

CROP REPORTS.

The seed stocks have been slightly injured by frosts which occurred in December. Late seedlings of beets, carrots and marigolds which were not in the pits were killed. Cabbages, Winter lettuce, etc., were much injured. The vegetable and flower seed trade in this country is good, and most of the available stocks will be exhausted this season. But there has been little demand up till now for field seeds; crops of Lucerne and Sainfoin have been large in France, and a high price is asked for clover of first quality.

No damage from frost to trees and shrubs is reported from the nurserymen at such commercial centers as Angers, Orleans and Ussy, but in the north of France, especially around Lille, shrubs such as aucubas, euonymus, ligustrum, laurus, cotoneaster, etc., and tea roses were much injured, standard tea roses being completely killed.

THE EXHIBITION.

Preparations for the Universal Exhibition here are progressing favorably, and horticultural matters are now completed. Undernoted is a list of the classes and places where the various exhibits will be held:

The section of horticulture begins with Class 43, which is devoted to horticultural implements and sundries. These will be exhibited under the Horticultural Palace. The greenhouses, frames, etc., belonging to same class, will stand on isolated sites, part in the Champs Elysées Gardens and part at Vincennes.

Class 44—Vegetables, will occupy several hundred yards at Vincennes.

Class 45 for fruit and fruit trees. The position for these has not yet been decided on. It appears, however, that they will be located at Vincennes, also, except those under the title of "formed and standard fruit trees," which will be planted on the banks of the Seine on each side of the Alexander III. bridge, 9,000 square yards being devoted here for that purpose.

Class 46 includes ornamental trees and shrubs, everlasting and deciduous, conifers, roses, etc., perennial and annual flowers. These will occupy about 4,000 square yards in the Trocadero's Gardens; 2,000 square yards on the Invalides Esplanade (more especially the roses), the non-decorative exhibits of same class being at Vincennes.

Class 47 is set aside for stove and greenhouse plants. These will occupy a big house on the right of the group of large greenhouses, and the houses included in Group 43.

Class 48 for seeds, stocks and seedlings. The seeds will be exhibited in a large house of the group of houses. At Vincennes will be shown the stocks and seedlings.

The lawn competitions will take place in the Champs-Elysées.

Carnations will have no permanent exhibition, only temporary shows.

At Vincennes, the Horticultural Exposition will occupy two isles in the River Marne, containing about 30,000 square yards. The Horticultural Palace is composed of two large houses, and will be devoted principally to plants of Class 47, including foreign exhibits belonging to that class.

In the Champs de Mars quantities of Spring bulbs, such as hyacinths, tulips, anemones, ranunculus, crocuses, etc., were planted last Autumn. The bedding Spring flowering plants, such as hellisperennis, myosotis, pansies, silenes, stocks, etc., will be planted this Spring. The Dutch bulb growers also planted, in Autumn, their lots for competition, in the Trocadero's Gardens, and it is certain that this show will be a splendid one.

The new Champ de Mars Park was completed last Autumn, all the trees and shrubs, very well assorted, having been planted in good condition and remained uninjured by the frost.

The rose exhibition, belonging to Class 46, will provide a splendid display on the Invalides Esplanade, being disposed in six French gardens, especially made for that purpose, upon the West Railway Station.

In Paris, an International Horticultural Congress will be held in the Exhibition Congress Palace on the 25th and 26th of May. Particulars may be had from Mr. Ern. Bergman, secretary, 84 Rue de Grenelle, Paris. There will also be an International Rose Congress, regarding which I shall give further information, the date being not yet fixed.

Among foreign exhibitors the most advanced are the Japanese, under the direction of a manager of the Imperial Gardens of Tokio. The principal things to be exhibited will be, during the season, bulbs of lilium and iris, old plants, 40 varieties of Japanese acer, chrysanthemums, etc.

The past frosts have only slightly retarded the general horticultural work of the exhibition, and it is hoped by the official staff that they will be ready for the date of opening, which is fixed for April 15. T.

CLEMATIS PANICULATA AND AMPELOPSIS VEITCHII

$40.00 to $70.00 per 1000. $35.00 to $50.00 per 1000.

We have the above in large quantities, 2 and 3 years old, field-grown.

GRASSES, $2.00 per 100. CAL. PRIVET, $12.00 per 1000.

Stock for transplanting. Shrubs in large quantities cheap. Send for wholesale list.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Mention the Florists' Exchange when writing.

CANNAS The THREE BEST Solid Red CANNAS: BLACK PRINCE, $10.00 per 100; PHILADELPHIA $4.00 a 100; DUKE OF MARLBOROUGH, $1.00 a 100.

BOSTON FERN Strong, 2½ inch, $5.00 per 100. | **CRIMSON RAMBLER** 3½ to 4 ft., $15 per 100.

THE CONARD & JONES CO., West Grove, Pa.

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CALIFORNIAN SEEDS

Contract Prices for 1900 Harvest on Application.

WHOLESALE ONLY.

PERRY WATSON & CO.,

SACRAMENTO, CAL.

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DOUBLE PEARL TUBEROSE BULBS

Sound, healthy stock, No. 1—4 inches up, at $1.00 per 100; $6.00 per 1000. No. 2—3 to 4 ins., 50 cents per 100; $3.00 per 1000.

CHAS. BLACK, Highistown, N. J.

GERMAIN FRUIT CO.'S

California Grown Seeds.

SPECIALTIES:

Wax Beans,	Cosmos,	Onion,
Lima Beans,	Verbenas,	Lettuce,
Salt Bush,	Asters,	Celery,
Bermuda Grass,	Tree and	Carrot,
Johnson Grass,	Shrub Seeds.	Parsnip,
Sweet Peas,		Salsify.

Calla, Freesia, Amaryllis Bulbs, Pampas Plumes. Correspondence Solicited.

LOS ANGELES, CAL.

Mention the Florists' Exchange when writing.

Best Quality at Lowest Rates.

ROMAN HYACINTHS,

NARCISSI, FREESIA,

and other French Bulbs for forcing.

BERNARD SON, 29 Boulevard du Musé, Marseille, France.

Bulb Grower and Exporter.

Established 1872. Bulbfields-Hyères, Ollioules

WHOLESALE ONLY.

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DAHLIAS!

The cream of the lists. Our stock includes the well-tried desirable older varieties as well as the latest acquisition. Booking order now. Be quick.

Undivided Roots in variety, $60.00 per 1000,

Our semi-annual trade list now ready.

THE WM. H. MOON CO.,

Glenwood Nurseries, MORRISVILLE, PA.

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DANISH CAULIFLOWER SEED.

Early Dwarf Danish Snowstorm, selected up by my grower for a quarter century. Always uniformly good, solid, large white heads and early.

No matter what you pay, you cannot get a finer strain. Oz., $2.50. Sample free.

Prices on quantity on application.

A. E. WOHLERT, Importer, Altoona, Pa.

Mention the Florists' Exchange when writing.

NOW IS THE TIME TO BUY

ASPARAGUS PLUMOSUS NANUS SEED—(Home grown), $1.00 per 100 seeds. $9.00 per 1000 seeds.

ASPARAGUS SPRENGERI SEED, New Crop—75c. per 100 seeds; $6.00 per 1000 seeds.

HENRY F. MICHELL

1018 Market St., Phila.

WHOLESALE PRICE LIST OF SEEDS, BULBS &c. ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS.

Mention the Florists' Exchange when writing.

FANCY-LEAVED CALADIUMS

	10	100
Bulbs 1½ to 2½ inches in diameter, 15 to 25 varieties	$2.50	$20.00
Bulbs, 1 to 1½ inches in diameter, 8 to 8 varieties	1.50	12 00

The first size will make grand specimen plants or stock bulbs. No larger or finer are in the market.

LATANIAS and PHŒNIX.

	100
Latanias, 4 inch pots, 2-3 characterized leaves	$20.00
Latanias, 5 inch pots, 4-5 characterized leaves	30.00
Phœnix Reclinata, Canariensis and Pumila, 15-18 inches	20.00
Phœnix Reclinata, Canariensis and Pumela, 20-24 inches	30.00

Not less than 50 at above rates.

GRAFTED ORANGES and LEMONS.

	10	100
10 to 15 best varieties, 4 inch pots, 10-12 inches high	$2.50	$20.00
10 to 15 best varieties, 4 inch pots, 15-18 inches high	3.50	30.00
10 to 15 best varieties, 4 inch pots, 20-24 inches high	6,00	

	100	1000
1,000 Prairie Roses, very strong	$7.00	
1,000 Moss Roses, " "	7.00	
2,000 Hybrid Wichuraiana (Maoda's),	5.00	$40.00

Quotations include packing.

P. J. BERCKMANS CO., Augusta, Ga.

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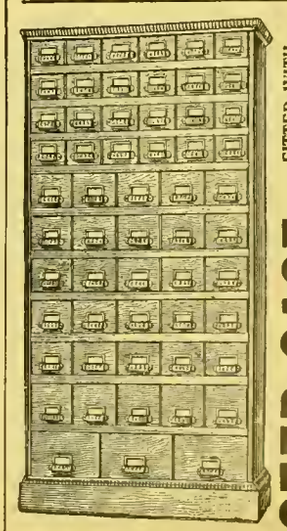

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TREES Fruit Trees, Small Fruits, including grapes. Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. **Rochester, N. Y.**

Mention the Florists' Exchange when writing.

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogues on application. Send estimate of wants for prices.

THE WM. H. MOON CO., GLENWOOD NURSERIES, **Morrisville, Pa.**

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THE STORRS & HARRISON CO., Box 936, PAINESVILLE, OHIO.

Leading American Nurserymen, offer one of the Most Complete Assortments of

FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.

46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

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F. & F. NURSERIES SPRINGFIELD, NEW JERSEY.

Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.

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TREES! TREES!

Norway, Sugar and Silver Maples
Norway Spruce and Arbor Vitæ.

WM. J. CHINNICK, Trenton, N. J.

Mention the Florists' Exchange when writing.

NORWAY MAPLES.

1000 8 to 10 feet.
1000 6 to 7 "
700 4 to 6 "
700 3 to 4 "
100 1 to 2 "

IRISH JUNIPERS.

500 3 to 4 feet.
500 2½ to 3 "
500 2 to 3 "

10,000 Peach Trees, General Assortment

The Maple and Juniper will be sold at very low prices in order to close out.

C. L. LONGSDORF,

Oak Hill Nurseries, Flora Dale, Adams County, Pa.

Mention the Florists' Exchange when writing.

CABBAGE PLANTS

Jersey Wakefield and other vars., from cold frames, transplanted, 25 cts. a 100; $1.50 a 1000; $12.50 a 10,000 if by mail, add 20 cts. per 100.

LETTUCE Boston Market, Tennis Ball, Curled Simpson, Grand Rapids, and other vars., 15c. per 100; $1.00 per 1000; $8.50 per 10,000; if by mail, add 10c. per 100.

TOMATO Small plants for transplanting, in several varieties, 15 cts. per 100; $1.00 per 1000.

PEPPER Small plants for transplanting, in several varieties, 25c. per 100; $2.00 per 1000. If by mail, add 10c. per 100.

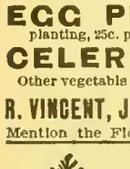
EGG PLANTS New York Improved for transplanting, 25c. per 100, $2.00 per 1000.

CELERY Golden Self Blanching and White Plume, 15c. per 100, $1.00 per 1000

Other vegetable plants in season. Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md

Mention the Florists' Exchange when writing.



HAVE purchased the Elgin Nurseries, containing more than seven millions of **EVERGREENS**, part on rented land that must be cleared this spring:

Colorado Blue Spruce, 2 to 3 ft....$25.00 per 100
Douglas Spruce, 1½ to 2 ft. ..... 10.00 "
Douglas Spruce Seedlings, 6 to 8 in. 8.50 per 1000
Hemlock Spruce, extra quality, 1½ to 2 ft..... 10.00 per 100
Balsam Fir, 1 to 1½ ft..... 35.00 per 1000
White Pine, 1½ to 2 ft..... 50.00 "
4,000,000 Seedling White Pine, 6 to 8 in ..... 5.00 "
Ponderosa Pine Seedlings, 10–12 in. 10.00 "
Six Acres Dwarf Mountain Pine, 3 to 4 ft. good quality, $10.00 per 100; 5c. each in car lots.
Several Million of Arbor Vitæ—In fact everything in the line of Hardy Evergreens, and any size desired. Write at once for Trade List and Special Prices.

D. HILL, Dundee, Ills.

EVERGREEN SPECIALIST.

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Grape Vines

Descriptive and Price List free.
Currants, Gooseberries and other Small Fruit Plants. Extra quality. Warranted true.
T. S. HUBBARD CO., FREDONIA, N. Y.

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AMERICAN ELMS

8 to 10 ft., 1 to 1½ in. caliper. 25 Elms, 6 to 9 in. caliper, fine specimens, well developed heads. Send for price list.

SAMUEL C. MOON, Morrisville, Bucks Co., **Pa.**

Mention the Florists' Exchange when writing.

100,000 PRIVET

	Per 1000		Per 1000
1½-2 ft.	$20.00	3-4 ft.	$35.00
2-3 ft.	30.00	4-5 ft.	45.00

Usual Assortment of ROSES, Including Crimson Rambler.

HIRAM T. JONES, Union County Nurseries,
ELIZABETH, NEW JERSEY.

Mention the Florists' Exchange when writing.

IRISH and SWEDISH **JUNIPERUS**

		100	1000
6 to 9 inches, transplanted		$5.00	$40.00
9 to 12	" "	6.00	50.00
12 to 15	" "	7.00	60.00
15 to 18	" "	8.00	75.00
18 to 24	" "	10.00	
24 to 30	" "	13.00	
30 to 36	" "	15.00	
15 to 18	" Saxon Juniper	6.00	

Rooted Cuttings, ready in May, $20.00.

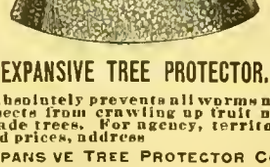
ROSES Clean, healthy plants, from 2 inch pots. Prices and samples to buyers on application. Am. Beauty, Golden Gate, Niphetos, Perle, Sunset, La France, Albany, Wootton, Testout, Bride and Bridesmaid. One-year-old dormant pot-grown Wootton, $5 per 100

ISMENE CALATHINA White summer-blooming Amaryllis, strong bulbs, first size, $12 50; second, $10 00 per 100.

JOSEPH HEINL, Jacksonville, Illinois.

Mention the Florists' Exchange when writing.

A Picture of the....



EXPANSIVE TREE PROTECTOR.

Absolutely prevents all worms and insects from crawling up fruit and shade trees. For agency, territory and prices, address

EXPANSIVE TREE PROTECTOR CO., ROCHESTER, N. Y.

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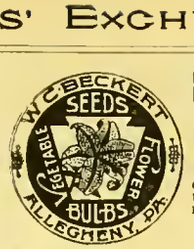


Semple's Aster

Choicest Home-Grown Seed, in white, shell-pink and lavender, ¼ oz., 25c.; oz., $1.00. Catalogue on application, of leading flower and vegetable seeds for florists and market-gardeners.

W. C. BECKERT, Allegheny, Pa.

Mention the Florists' Exchange when writing.

Zebra Grass. Plants of 3 to 5 spines each, at $2 50 per 100, $20 per 1000

JNO. S. KERR, Sherman, Tex.

Mention the Florists' Exchange when writing.

CLEMATIS.

Coccinea and Crispa, **$30.00 to $45.00 per 1000**

BULBS.

Zephyranthes Sulphurea (big yellow flower) $6 a 1000. Milla, Bessera and others. Cacti and Cacti Seed. Send for prices. **WILLIAM TELL, Austin, Texas.**

Mention the Florists' Exchange when writing.

CALIFORNIA PRIVET CUTTINGS

From choice plants, grown at the sea shore, for sale. In view of the immense demand for Privet, nurserymen should increase their stock of this favorite hedge plant.

Send $1.25 for sample of 1000 cuttings.

Atlantic Coast Nursery, 606 Fourth Avenue, Asbury Park, N. J.
JAMES H. CORNELL, Prop.

Mention the Florists' Exchange when writing.

THE PINEHURST NURSERIES,

OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.

Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda nitida, Fothergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Dionæa muscipula, Lupinus diffusus, Phlox subulata, Sarracenias, etc., etc. **Ask for Trade Lists.**

Mention the Florists' Exchange when writing.

SURPLUS FOR SPRING 1900

Can yet do **PEACHES** and **JAPAN PLUMS** in limited quantity; also **MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY, STRAWBERRIES** from best leading varieties. Prices for same given upon application.

MILFORD NURSERIES, Milford, Del

ALEX. PULLEN, PROPRIETOR.

Mention the Florists' Exchange when writing.

FRUIT AND FLOWER PLATES

Seed Packets and Supplies of all kinds for
NURSERYMEN, FLORISTS and SEEDSMEN
SEND FOR PRICE LIST.

Stock Cuts, 10c. per square inch. Engraving by all processes. Printing and lithographing.

Illustrated Catalogues a Specialty.

VREDENBURG & CO., - Rochester, N. Y.

Mention the Florists' Exchange when writing.

AMPELOPSIS VEITCHII 2 year, strong, per 100, $7.00.

	Per 100
Clematis Jackmanii, 2 year, extra strong	$14 00
Standard Hydrangea, P. G., 3-3½ ft.	18.00
Standard Lilacs, assorted, 3-4 ft.	10.00
Standard Japan Snowball, 3½-4 ft.	18.00

These prices are good only till surplus is reduced. **Send for list of other stock.** Roses, Herbaceous Plants, Ornamental Trees, Small Fruit and Fruit Trees

Jackson & Perkins Co., Newark, New York.

Mention the Florists' Exchange when writing.

FRUIT and ORNAMENTAL TREES,

Shrubs, Vines and Roses.

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., Geneva, N. Y.

Mention the Florists' Exchange when writing.

MAPLES! POPLARS!

Silver Maples, 1½ to 2 inch, smooth, straight, low headed, $225.00 per 1000.
Carolina Poplars, 3 to 4 inch, smooth, straight, $35.00 per 100.

F. O. B. cars, E. ST. LOUIS, ADDRESS

Sanders' Nursery, 5600 Delmar Ave. **St. Louis, Mo.**

Mention the Florists' Exchange when writing.

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN

WILSON J. PETERS, Troy, O., President; D. S. LAEE, Shenandoah, Ia., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

In opening the bids for the nursery stock required for the different parks of Pittsburg, it was found that Thomas Meehan & Sons, the nurserymen and landscape engineers, of Germantown, Philadelphia, Pa., were the lowest of all bidders. This firm was awarded the contracts for every section, amounting in all to nearly 10,000 hardy trees, shrubs, vines and evergreens.

J. S. Kerr, proprietor, Sherman, Texas, reports that nursery trade is the best on record.

The Southwestern Nursery Association.—The nurserymen of Oklahoma and Indian Territory perfected an organization to be known as the Southwestern Nursery Association. The following officers were elected: President, J. A. Taylor, Wynnewood; vice-president, J. W. Stevens, Yale; secretary and treasurer, J. W. Preston, Kingfisher. The association will hold its next meeting at Oklahoma on the second Wednesday in January. A semi-annual meeting will be held when the Executive Board makes the enll.

Nursery Legislation in New York State. F. W. Kelsey, New York, has addressed the following letter to Hon. A. W. Litchard, chairman Assembly Committee on Agriculture, Albany, N. Y.:

"The principle involved in the practical application of Assembly Bill No. 901 would be class legislation pure and simple. A contingent of fruit growers having apparently just reached the panic stage of the insect injury scare, rush to the Legislature to compel another most important contingent—the producers of the material upon which fruit is grown—to be at great loss and expense to protect them, the first contingent, so that they may be relieved from any necessary effort in protecting themselves.

"Granting that costly and dangerous fumigation by hydrocyanic gas would be a preventive against dissemination, which is questioned by some of the ablest entomologists, what equity or fairness can there be in attempting to benefit one

HARDY HERBACEOUS PLANTS CHEAP.

	Per 100
Bellis Perennis, double daisies, red or white	$1 00
Caryopteris Mastacanthus, 12 in. high	4 00
Coreopsis Lanceolata	4 00
Delphinium Formosum, blue	3 00
Digitalis, assorted	3 00
Gypsophila Paniculata, from 2 in. pots	2 00
Hemerocallis Sieboldii	4 00
Lychnis Chalcedonica	4 00
Lychnis Haageana Hybrids, from 2 in. pots	2 00
Hardy Pinks, Her Majesty, from 2 in. pots	2 00
Hardy Pinks, Anne Boleyn, 3½ in. pots	4 00
Statice Armeria	3 00
Hibiscus Crimson Eye	3 00
Myosotis Alpestris	3 00
Gaillardia Grandiflora	3 00
Eulalia Japonica	4 00
Geum Atrosanguineum	4 00
Sweet William	3 00
Funkia Sieboldii variegata	4 00
Rudbeckia Golden Glow	3 00
Hollyhocks, 4 colors, red, pink, white yellow	4 00
Japanese Iris, 8 named varieties, double	4 00
German Iris, mixed colors	8 00
Papaver Bracteatum, from 2 in. pots	2 00
Panaies, extra fine strain, large clumps	1 00
Pyrethrum Roseum, from 2 in. pots	2 00
Achillea, The Pearl	4 00
Aquilegia, double white and mixed, from 2 in. pots	2 00
Campanula Pyramidalis, blue and white, from 2 in. pots	2 00

Above stock is in fine shape and can be delivered now. Cash, or references, please.

EDWARD B. JACKSON, Stamford, Conn

Mention the Florists' Exchange when writing.

class, mutually interested, solely at the expense of the other? This principle, or rather lack of principle, would of itself be sufficient to remove the bill from the possibility of public favor or approval by the Legislature.

"In cases where the fruit growers or others desire fumigation of nursery stock or vegetation generally, there can hardly be objection to their applying gas in any form, degree, kind or manner they desire on their own premises, or of their recommending legislation for themselves that does not encroach upon the equal rights and privileges of other classes of citizens. But what justification can there be for the attempt to use the power of the state to injure others for their special benefit?

"In this respect the bill in question appears entirely unjust, surprisingly inequitable, wholly impracticable, and if enacted into law will inevitably result in great injury to a very large and important state industry; will necessarily result in sectional antagonisms, and must, from the necessities of the case, fail in accomplishing the results desired.

"According to such unquestioned authorities as Dr. C. L. Marlatt, Entomologist of the Department of Agriculture, and Professor John B. Smith, State Entomologist of New Jersey, than whom no scientists of the country have had broader experience or more thorough knowledge of the whole insect pest question and the practical remedies, it is about as practicable to undertake to eradicate, exterminate or to effectually prevent the dissemination of such minute pests as the San José scale by legislation as to legislate against the rays of the moon, the action of the tides or the laws of gravity.

"Permit me to express the conviction that the injury already resulting from the panic and legislation thus far enacted has been the occasion of greater loss to the horticultural interests of this state and this country, as a whole, than the loss by the insects themselves, large though that may be.

"Assembly Bill No. 901 not only tends to accentuate this unfortunate situation, but in its burdensome and inequitable provisions is perhaps the most objectionable measure yet introduced for consideration before a legislative body."

Rare Evergreens.—The Cedar of Lebanon is a tree that would find ready sale were some one to take hold of it and push it a little. The name connected with Biblical history naturally attracts every one, while the plant of itself has considerable attraction. It is not unlike the larch in appearance, but of course without the ever-present cones of the larch, and entirely evergreen. One drawback is its lack of great hardiness. Near Philadelphia it does very well, and some large old specimens may occasionally be met with. It has been grown farther north, but may be termed decidedly rare. Protection from the sun and strong winds for the first couple of years after transplanting is at least desirable.

Another cedar that is generally associated with the other, to some extent, is the Deodar cedar. It is considerably more attractive than the Lebanon, being of a very pretty grayish color, and graceful in every branch. Of the two, it is least hardy. Its growth is more compact from the start, that of the Lebanon being usually rapid and sparsely furnished with branches.

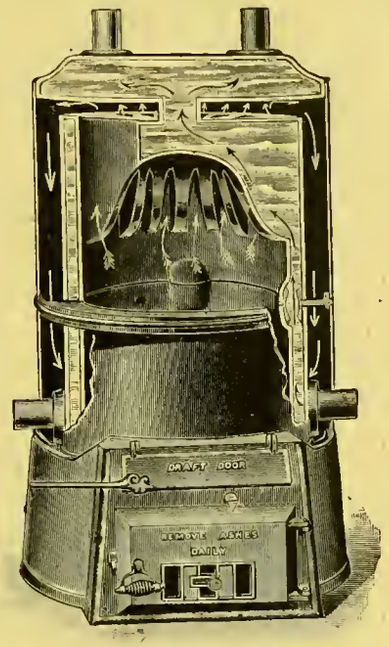
The blue Atlas cedar closely resembles the Lebanon except in color, this one being a beautiful light blue. Botanically, it is known as Cedrus atlantica glauca.

Kalmia angustifolia is a species of laurel rarely seen in cultivation. It suffers in comparison with the other well-known species, latifolia, in having smaller flowers and narrower leaves; though in its favor may be mentioned its greater abundance of bloom and extreme hardiness. The last is not a very strong point, as latifolia does well pretty far north, and seems to answer general requirements. Broad-leaved evergreens are always greatly sought in this country, these and the rhododendrons being most popular.

The Mahonia is a broad, holly-leaved evergreen plant of dwarf habit, and used quite extensively for massing in dry and poor soil. Mahonia japonica occasionally produces remarkably large leaves—dark green and of curious shape. Mahonia aquifolia has smaller and narrowing leaves which turn reddish brown in the Fall and Winter. Both produce showy racemes of yellow flowers in early Spring. They belong to the family of Berberis, which name they frequently bear.

S. MENDELSON MEEHAN.

Hugging 12 Long, Thin



shallow water chambers, the flames and radiant heat from the fire so envelop the water chambers that all the heat is taken up by the water and instant, rapid and continuous circulation is secured.

COMPACTNESS
combined with
GREAT EFFICIENCY
and
REASONABLE COST
is secured in these boilers.

POWER, ECONOMY AND DURABILITY
are all here evident to even an inexperienced judge.

THE UP-TO-DATE FLORIST
can get ahead of his competitors by cutting off expenses and the great waste in the business in the cost of heating.

Write for our NEW CATALOGUE A and PRICES.

GIBLIN & CO., Utica, N. Y.

Mention the Florists' Exchange when writing.

PLANTS
For Easter Flowering.

Lilies, Azaleas, Rhododendrons, Geraniums, Heliotrope, Fuchsias, Etc.

Order early before they bloom as the flowers are liable to injury in transportation.

BOSTON FERNS.

N. Exaltata Bostoniensis. Small plants, $5.00 per 100; $40.00 per 1000; not less than 250 at 1000 rate. Large plants, $8.00 to $20.00 per 100.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 inch, $3.00 per doz.
Areca Lutescens, 50c. to $3.00 each.
Latanias, from 75c. to $3.00 each.
Asparagus Plumosus, $1.00 to $1.50 doz.
Asparagus Sprengeri, 3½ in. pots, $1.50 per doz.

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. **Connected with Telephone.**

Mention the Florists' Exchange when writing.

PRIMULA OBCONICA HYBRIDUM

Extra Fine Stock, in Full Bloom.

If repotted now will make excellent plants for **EASTER TRADE.**

3 inch Pots, $3.00 per 100.

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

SMILAX FROM FLATS

By mail, 50 cts. per 100; $4.00 per 1000.
2 in. pots, $1.50 per 100; 13.00 per 1000.

Geraniums, 2 in pots...$2.25 per 100; $20.00 per 1000
Hydrangeas, 3 in. pots, $5.00 per 100; 4 in. pots, $10.00 per 100.
Canna Clumps.....$3.00 per 100

Send for Samples. Cash with the order.

FRED BOERNER, Cape May City, N. J.

Mention the Florists' Exchange when writing.

AZALEAS FOR EASTER

We offer a very fine lot of AZALEAS, comprising the most distinct and best varieties in cultivation, embracing all shades of crimson, white, pink and rose color. They are shapely specimens, well "headed," double and single flowered, and will make splendid plants for Easter decoration. It is almost impossible to ship Azaleas when in bloom and have them arrive in good condition, hence the necessity of procuring them in advance before the buds open.

ORDER EARLY. NOTE THE SIZES.

Prices of Azaleas:	Per doz.	Per 100
10 to 12 inch heads, established plants, in pots	$5 00	$40 00
12 to 14 " " " " "	6 00	50 00
14 to 16 " " " " "	9 00	70 00

Six sold at dozen rates, 25 at 100 rate.

PETER HENDERSON & CO., 35 and 37 Cortlandt St., **NEW YORK.**

Mention the Florists' Exchange when writing.

AZALEAS FOR EASTER

Place your orders for Azaleas now, while we can still give you a full assortment of varieties in the following sizes:

	Inch Diam.	Per Doz.	Per 100
5 inch pots, bushy crowns, well set.....	10 to 12	$5.00	$40.00
5 and 6 inch pots, bushy crowns, well set,	12 to 14	6.00	50.00
6 and 7 inch pots, bushy crowns, well set,	13 to 15	9.00	70.00

ALSO A GRAND LOT OF SPECIMEN PLANTS OF

MME. VAN DER CRUYSSEN of exceptionally good value, at $1, $1.50, $2, $2.50, $3 and $5 each.



MISCELLANEOUS PLANTS FOR FORCING.

ACACIA ARMATA (Paradoxa), Nicely budded plants, from 5 inch pots, 50 cents each; $5.00 per dozen; $40.00 per 100.
AZALEA MOLLIS (Hardy Azalea), Finely shaped, bushy plants, covered with buds, 12 to 15 inches high, 50 cents each; $6.00 per dozen; $45.00 per 100.
DEUTZIA GRACILIS. A nice lot of bushy plants, suitable for 6 and 7 inch pots, $1.00 per dozen; $7.00 per 100.
LILACS FOR FORCING. Fine pot-grown plants, well set with buds, of the following varieties: Charles X, Marie Legraye and Mme. Lemoine, $6.00 per dozen; $45.00 per 100.

HENRY A. DREER, 714 Chestnut Street, **PHILADELPHIA, PA.**

Mention paper.

CYCLAMEN

OUR WELL-KNOWN

Giganteum Strain

In 4 separate colors, in extra fine and healthy condition.

AUGUST SEEDLINGS $6.00 per 100; $50.00 per 1000.

OCTOBER SEEDLINGS $4.00 per 100; $30.00 per 1000.

SAMPLES FREE. CASH WITH ORDER.

LEHNIG & WINNEFELD, Hackensack, N.J.

Mention the Florists' Exchange when writing.



New Ever-blooming Geranium

AMERICA

Finest grower for pots or bedding. Color, white, salmon and rose in full sun, color of Begonia Gl. de Lorraine.

Floriferousness Phenomenal

Strong plants. 50c. each; $5.00 per doz.

MARS 2¼ inch pots, $5.00 per 100.

Set of Best 15 Novelties of 1899 Such as La Fraicheur, Emanuel Arene, Dryden, Southey, etc., for $2.00. This is the best bargain of the season. Plants guaranteed A1 in every respect.

CASH, PLEASE.

H. EICHHOLZ, Waynesboro, Pa

Mention the Florists' Exchange when writing.

DOUBLE PETUNIAS.

OVER 75 VARIETIES, NAMED.

I have the finest and largest collection in the country, an immense stock, and can fill all orders without delay.

Rooted Cuttings, by mail, $1.25 per 100. **Grandiflora**, single, 10 vars., $1.25 per 100.

"I saw the bloom of Mr. Hughes' petunias, both double and single, and they are very fine."
HENRY F. MICHELL.

Heliotrope, 16 vars.	$1.50 per 100
Ageratum, Princess Pauline	1.00 "
Ageratum, White and Blue	.75 "
Abutilon, 4 vars., R. C.	1.50 "
Swainsona Galegifolia Alba, R. C.	1.50 "
Fuchsias, 12 vars.	1.25 "
Flowering Begonias, 12 vars.	1.50 "
Baby Primrose, strong, 2 inch	3.00 "
Mayn Vines, Smith's Hybrid Seedlings, which are the best varieties, transplanted, $2.00 per 100.	

Cash with order, please.

GEORGE J. HUGHES, BERLIN, N. J.

Mention the Florists' Exchange when writing.

CLEARING SALE.

CYCLAMEN Persicum Splendens Giganteum, finest strain in the world, in four true colors (August sowing), transplanted twice from flats, $2.50 per 100; $20.00 per 1000. A few hundred plants left, from 3½ in. pots, in bud and bloom, $1.00 per doz; $8.00 per 100.

CHINESE PRIMROSES (Fringed foliage), no finer strain on the market. Single and double, in seven colors, in bud and bloom, from 2½ in. pots, $1.75 per 100. From 3 in. pots, $3.50 per 100. From 4 in. pots, $5.00 per 100.

CINERARIAS Hyb. Max. Grand., strong plants, twice transplanted, $1.00 per 100.

REX BEGONIAS Fine assortment, from 3 in. pots. $5.00 per 100.

PELARGONIUMS Mme. Thibaut, Dr Masters, Fred Dorner, Victor, Mme. Vinert, Rooted cuttings, mixed, $2.50 per 100. From 3½ in. pots, $1.00 per doz.; $8.00 per 100.

CANNAS (Started from sand bed), ready March 15. Florence Vaughan, Mme. Crozy, Alphonse Bouvier, Queen Charlotte, Austria, $3.50 per 100; $30 a 1000. All the above warranted A No. 1 Stock.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

200,000 ROOTED CUTTINGS AND PLANTS FOR PROMPT SHIPMENT.

We guarantee Rooted Cuttings and Plants to reach you in a healthy condition; if not so, return at our expense.

The Spring is coming, if you do not have time to get a Money Order, have the R. C. and Plants sent C. O. D. with privilege of examining at Express Office.

CARNATIONS.

	Per 100
Mrs. Thos. W. Lawson	$14 00
Ethel Crocker, pink	10 00
Olympia, variegated	12 00
The Marquis, pink	10 00
Genevieve Lord, pink	10 00
G. H. Crane, scarlet	5 00
America, scarlet	4 00
Melba, light pink	3 00
Mrs. G. Bradt, variegated	3 00
Glacier, white, fine	3 00
Maude Adams, dark pink	3 00
Gomez, dark red	4 00
Mrs. F. Joost, pink	2 50
Gold Nugget, yellow	3 00
Argyle, pink, fine	1 50
Triumph, pink	1 50
Daybreak, shell pink	1 00
Empress, dark red	1 00
Flora Hill, white	1 25
White Cloud, white	2 50
Mary Wood, white, fine	3 00
Jubilee, scarlet	1 50
Psyche, variegated	1 00
Gen. Maceo	4 00
Armazindy	1 50

12 cuttings at 100 rate.

On R. C. Carnations by mail, add 20c. per 100.

PLANTS.

	Per 100
Clara Bedman Salvia	$2 00
Geranium De Roo Mitting, 2¼ inch	7 00
Geranium Double Snow Drop, "	7 00
Geranium Mme. Salleroi, "	2 00
New Yellow Baby Primrose, "	7 00
22 Coleus, fine, named, new, "	4 00
20 Standard Coleus, named, "	1 50
30 Double Petunias, mixed, "	2 00
Primula Obconica, 3½ inch	2 50
Primula Obconica, 2¼ inch	2 00
Primula Chinese, 2¼ inch	1 00
Primula Chinese, in bud and bloom, 3½ in.,	2 50
Primula, from flats, strong	50
Velvet Plant	2 00
15 Begonias, flowering, named, 2¼ inch	1 50
Forget-Me-Not, winter flowering, 2¼ inch,	1 50
Iresines, 2 varieties, red, yellow, 2¼ inch	1 50
Cannas, large flowering, mixed	1 00
Mesembryanthemum Erectum, 2¼ inch	1 50
California Moss, "	1 50
Lycopodium Dent, "	1 50
Alternantbera, 4 varieties, "	1 50
Feverfew, Little Gem, "	1 50
Feverfew, yellow foliage, "	1 50
Dusty Miller, "	1 50
Cigar Plant, "	1 50
Vinca, variegated, trailing, "	2 00
Ferns, mixed, our selection, 2½ inch	5 00
Lobelia, Crystal Palace Gem, "	1 50

Five plants at 100 rates.

THE MORRIS FLORAL CO., - - Morris, Ill.

Mention the Florists' Exchange when writing.

XXX STOCK

GERANIUMS. The very finest single and double varieties grown. Extra strong and healthy plants out of 3½ inch pots, choicest named or mixed, including many new varieties, $3.50 per 100.

FUCHSIA, Madame Bruant. New giant double purple, the finest and most free of all the purples, $3.50 per 100.

FUCHSIA, Madame Carnot. New giant double white; mammoth; the finest and most free of all double whites, $3.50 per 100.

Read what The Exchange says of these Giant Fuchsias, Nov. 18, 1899, page 1156.

HELIOTROPES. Large flowering, light and dark, strong bushy plants, ready for 3½'s, $2.50 per 100.

GAZANIA SPLENDENS. Choice large yellow flowering; very showy pot plant; ready for 3½'s strong, $2.50 per 100.

LOBELIA, Emperor William. Dwarf finest bright blue, ready for 3½'s, $2.00 per 100.

LOBELIA, New Double Blue. Dwarf, extra fine and a perfect beauty; ready for 3½'s, $3.50 per 100.

CYCLAMEN GIGANTEUM seed. Choicest giants mixed, 200 sds., $1.00; ½ pkt., 50c.

CHINESE PRIMROSE seed. Finest large fringed, single and double, 500 seeds, $1.00.

PRIMULA Obconica. Improved bright rose color; very finest of all Obconicas, 1000 sds, 50c.

PANSY, Finest Giants. Choicest mixed, 3500 sds., $1.00; ½ pkt., 50c.

CINERARIA. Large flowering dwarf; very choicest mixed 1000 sds., 50c.

PHLOX, Pumila Compacta. New, very dwarf, beauties for pots, mixed, pkt., 20c.

Extras added liberally to every order.

JOHN F. RUPP, The Home of Primroses, Shiremanstown, Pa.

Mention the Florists' Exchange when writing.

HEALTHY STOCK.

No Better on the Market.

Carnations, McGowan, Scott, Pa, XXX, 75c. per 100, $6.00 per 1000; express prepaid on 1000 lots. Flora Hill, Jubilee, Meteor, Rose Queen $1.25 per 100.

Vinca Variegata, large double strong, $1 per 100.

Cannas, best varieties, $1.50 per 100; $10.00 per 1000.

Ageratum, Princess Pauline, 1.00.

Alternanthera, 50c. per 100.

Cyclamen giganteum, Primula Obconica, in bloom. $2.50 per 100.

Cinerarias, ex strong, 4-in. $1.00 per doz; $6.00 per 100

RICHARD INSALL, West Moorestown, N.J. Lock Box 514.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

Carnations, Scott, McGowan, Daybreak, Albertini, Armazindy, Jahn's Scarlet, $1.25 a 100; $10 a 1000

Fuchsias, Heliotrope, Lemon Verbena, Coleus, Double Alyssum, Vinca Variegata and **English Ivy**, $1.00 per 100. **Strong, Bushy, English Ivies**, 4 feet high, $15.00 per 100. Strong stock plants of **Geranium Mars**, $2.50 per doz. Strong stock, one-year-old plants of **Double** and **Single Grant**, and other good vars. of Geraniums, $15.00 per 100.

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

Choice Plants! Low Prices!

All following are in first-rate condition.

CLEMATIS PANICULATA, strong, in flats, 100 Mailed, $1.25.

BEGONIA VERNON, 6 sorts, mixed, in flats, 100 Mailed, $1.25.

PEPEROMIA ARGYREA and **ARIFOLIA**, 100 Mailed, $1.25.

LYGODIUM SCANDENS, climbing fern, 2 inch pots, per 100, $3.00.

PTERIS TREMULA, 2 inch pots, per 100, $3.00.

PTERIS DEWEYANA, new, 1899, 2 inch pots, per dozen, $2.00.

NEPHROLEPIS WASHINGTONIENSIS, new, 2 inch pots, 6 mailed, $1.25.

NEPHROLEPIS PHILLIPENSE, 2 inch pots, strong, per 100, $4.00.

GENISTA RACEMOSA, 5 inch, full bushes, full of flower spikes, per dozen, $2.00.

CYPERUS ALTERNIFOLIUS, 4 inch, per 100, $5.00. Carefully Packed. Cash with Order.

JOHN H. LEY, Good Hope, Washington, D.C.

Mention the Florists' Exchange when writing.

Rooted Cuttings

Alternanthera, rooted in August, 50 cts. per 100; $4.00 per 1000.

Salvia Splendens and **Bonfire**, $1.00 per 100; $8.00 per 1000.

Heliotrope, $1.00 per 100; $8.00 per 1000.

Fuchsias, single, $1 per 100; Double, $1.50 per 100.

Feverfew, Dwarf Gem, $1.00 per 100; potted plants, $1.50 per 100.

German Ivy and **Ageratum**, 75 cts. per 100.

Lobelia, dwarf and trailing, $1.00 per 100.

Sulanna Jns. Alba, fragrant white flowers all summer, fern for vases, $1.50 per 100.

Paris Daisy Giant, pot plants, $2.00 per 100.

Forget-Me-Not, rooted cuttings, $1.00 per 100; 2 in. pots, $1.50 per 100; 4 in. pots, $5 00 per 100.

Pansies, nice, young stock, 50c. a 100; $2.50 a 1000. Large plants in bud, $4.00 per 1000.

Cyclamen P. Giganteum Universum, finest strain, $2 00 per 100; $18.00 per 1000.

Rudbeckia, Golden Glow, $3.00 per 100.

Vinca Variegata, $1.00 per 100.

Verbenas, 60 cts. per 100; $5 00 per 1000.

CARNATIONS—Scott and McGowan, $1 per 100; $6 00 per 1000. Daybreak, $1.25 per 100; $10.00 per 1000. Flora Hill, $1.50 per 100; $12.00 per 1000. Bon Ton, $2.00 per 100. Gomez, 60 cts. per doz.; $4.00 per 1000. Joost, $2 50 per 100.

Cash with order.

All rooted cuttings quoted by the 100 sent by mail.

ORANGE FLORAL CO., West Orange, N. J.

Mention the Florists' Exchange when writing.

Water Lilies.



Nymphæa Zanzibarensis.

We are headquarters for Water Lilies and Aquatic Plants of all kinds. SOW NOW SEEDS OF

Victorias, Nelumbiums and Nymphæas.

Intending planters will gain a long start and early blooms by procuring dormant tubers of the tender Nymphæas now, and starting same indoors, thus securing strong plants for planting at proper season, and also save the expense of heavy express charges.

We shall be pleased to furnish estimates, and our specialist, MR. WM. TRICKER, will be glad to offer practical suggestions to those intending planting either large or small ponds.

HENRY A. DREER, 714 Chestnut St., Phila.

Mention paper.

CATALOGUES RECEIVED.

BARTELDES & Co., Denver, Col.—Price List of Grass and Field Seeds.

SILKIN BROS., Falmouth, Me.—Price List of Plants, Seeds and Bulbs.

THEO. BOCK, Hamilton, O.—Price List of New and Choice Chrysanthemums.

A. I. ROOT Co., Medina, O.—Descriptive Price List of Bee-Keepers' Supplies.

WOOD BROS., Fishkill, N. Y.—Trade Price List of Plants and Rooted Cuttings.

FLORAL ELM GREENHOUSES, Des Moines, Ia.—Catalogue of Flowering Plants, etc.

C. C. POLLWORTH Co., Milwaukee, Wis.—Price List of Select Rooted Cuttings of Carnations.

WM. J. HESSER, Plattsmouth 'Neb.—Wholesale Price List of Palms and other Decorative Plants.

A. T. COOK Hyde Park, N. Y.—Catalogue of Garden Seeds, with a list of Novelties and Specialties.

THE SUBURBAN EQUIPMENT Co., New York.—Illustrated Catalogue of Greenhouses, Fences, etc.

W. E. BARRETT Co., Providence, R. I.—Illustrated Catalogue of Farm, Vegetable and Garden Seeds.

L. E. ARCHIAS SEED Co., Carthage, Mo.—Catalogue of Farm, Garden and Flower Seeds, etc. Illustrated.

F. W. BOLOGIANO, Washington, D. C.—Illustrated Catalogue of Seeds for market gardeners, implements, etc.

THE W. C. HELLER & Co., Inc., Montclair, N. J.—Illustrated Catalogue of Steel Seed Boxes, Seed Cases, etc.

OLD COLONY NURSERIES, Plymouth, Mass.—Catalogue of Ornamental Trees and Shrubs, Hardy Perennials, etc.

A. B. DAVIS & SON, Purcellville, Va.—Illustrated Catalogue of Plants and Flowers; 25c. mail collections a specialty.

JOSEPH BANCROFT & SON, Cedar Falls, Iowa.—Illustrated Descriptive Catalogue of Plants, Seeds, etc., with a list of novelties.

THOMAS MEEHAN & SONS, Germantown, Pa.—Wholesale Trade List of Nursery Stock, Hardy Perennial and other plants.

COOKE & MCCORD, Tarrytown, N. Y.—Descriptive Catalogue of Choice Seeds and Plants, with a list of novelties. Illustrated.

MUZZY BROS., Paterson, N. J.—Catalogue of Seeds, Implements, etc., with a very full list of novelties, well printed and illustrated.

HULSEDOSCH BROS., Eoglewood, N. J.—Wholesale and Retail Catalogue of Dutch Bulbs, Seeds and Plants, with list of specialties.

WILLIAMS & SONS Co., Batavia, Ia.—Wholesale Price List of Roses, Carnations, Palms, etc.; also of Florists' and Nurserymen's Supplies, Labels, etc.

C. H. JOOSTEN, New York.—Trade Price List of Spring and Summer Flowering Bulbs, Roses, Roots, Plants, etc.; also Price List of French Fruit Tree Stocks.

PINEHURST NURSERIES, Pinehurst, N. C.—Wholesale Catalogue of Woody and Herbaceous Plants; also Prist List of Seeds of Conifers, Palms, Trees, etc.

SCHLEGEL & FOTTLER, Boston, Mass.—Catalogue of Bulbs, Seeds, Fertilizers, etc.; also Market gardeners' Price List and Wholesale List. Full list of novelties and specialties. Illustrated.

ELLWANGER & BARRY, Rochester, N. Y.—General Catalogue for 1900. This handsome and instructive catalogue is divided into three parts, Fruits and Small Fruits; Ornamental Trees, Shrubs, Pæonies, Hardy Border Plants; and Roses. The lists of each are very complete, and the descriptions given are equally valuable. The firm has selected as cover illustrations sprays of lilac on a gilt ground, producing an exceedingly rich effect.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

SITUATION wanted by young man for general greenhouse work or driver. Henry Bauer, 385 East 10th St., New York.

WANTED. A situation in greenhouse to learn the business; have good references, N. C., care Florists' Exchange.

WANTED. Situation with florist, to learn the business, by young man, single; willing to work. Address L. K., care Florists' Exchange.

SITUATION wanted by a young man 25 years of age; first-class grower of Ericas and Easter plants. Distance no object. Address Joe Krapka Winfield, L. I.

SITUATION wanted by a first-class florist, married, competent to take charge of commercial or private place. Address A. Bjelke, P. O. Box 131, West Orange, N. J.

SITUATION wanted as gardener and florist, married; 16 years' experience in all branches, competent to take charge. W. Tyler, 64 State Street, Northampton, Mass.

SITUATIONS WANTED.

GARDENER and florist wants best private place, expert all-around grower of popular plants; total abstainer. "Headgardener," care Jackson, florist, 151 East 73d St.

FIRST-CLASS decorator and maker-up wants situation; worked in England, France, Germany, New York, and now engaged in Pittsfield; can furnish references. Lars Goranson, 511 North St., Pittsfield, Mass.

THE ADVERTISER, a well-known young man who is about giving up his own business, is open for an engagement as salesman or manager with a first-class house only; can furnish first-class references, etc.; hustler. Address N. D., care Florists' Exchange.

SEEDSMAN, of many years' experience and thoroughly acquainted with all lines of seeds and bulbs, also catalogue work, and is accustomed to handling cut flowers and design work, wants a permanent situation. Best of references. N. H., care Florists' Exchange.

SITUATION WANTED.

Gardener and florist, married, Swiss, 36, no family; 21 years' practical experience in all branches of horticulture, competent to take full charge of any gentleman's place; first-class city references. Address I. Baumgartner, Westchester P. O., Lorillard's Place, N. Y. City.

POSITION WANTED.

Thoroughly conversant with landscape gardening, surveying, levelling, projecting plans, road making; thorough knowledge of hardy trees and shrubs and general horticultore. Irreproachable references. Apply N. K., care Florists' Exchange.

HELP WANTED.

WANTED March 1, good all-around grower and propagator of general stock, especially roses; state wages and reference. J. E. Jackson, Gainesville, Ga.

WANTED, assistant in greenhouse, experienced in plant growing and packing; wages $10.00 a week. Louis Dupuy, Whitestone, Long Island, via 34th Street Ferry and L. I. R. R.

WANTED. A good all-around man who understands the growing of general stock; must be a good worker; steady job; married man preferred. A. L. Miller, Jamaica Ave., Brooklyn, N. Y.

HELP WANTED.

WANTED, a single young man for general greenhouse work, near New York; must come recommended as to habits, honesty and ability; fair wages given. Address N. J., care this paper.

WANTED—Young man capable of taking care of conservatory and being generally useful in retail store; must be able to drive delivery wagon. Wages $12 per week. Apply to N. B., care Florists' Exchange.

WANTED, a good all-around single man who understands propagation and is not afraid of work; strictly temperate; state wages and references; steady employment with board. J. E. Felthouse, Schenectady, N. Y.

WANTED at once, an experienced man, single, who understands the growing of general greenhouse stock, including roses, palms and ferns; must have experience in making up designs; one who is honest and willing to work; none need apply except those who can fill the position. Wages $25.00 to $35.00 per month and board. State experience and reference. Address Wm. A. Bock, North Cambridge, Mass.

WANTED

At once, a single man to assist foreman in growing roses, and willing to do anything around the greenhouses; no one but a capable man need apply.

M. S., care Florists' Exchange.

SEEDSMAN WANTED.

A permanent position for young man with thorough knowledge of the seed business and first-class salesman; state wages, age, experience, etc.; half fare paid to suitable man. The Pacific Seed Company, Sacramento, Cal.

MISCELLANEOUS WANTS.

WANTED, in large quantities, Milkweed (Fairy Flower, or Silk Ball). Send prices to Florida Natural Products Co., Box 327, Orlando, Fla.

WANTED—1,200 feet of 1¼ second-hand gas pipe; also 6,000 feet 14-inch second-hand D S glass, A or B quality. Address J. S. L., Box 903, Hartford City Ind.

WANTED—To rent or lease, commercial place fully equipped, in good tenantable condition, within reach of Boston. State full particulars to N. E., care Florists' Exchange.

WANTED to rent, 8000 to 12,000 feet of glass, must be in good condition, suitable for roses and carnations; near New York State. Full particulars, address John Davie, Westhampton, L. I.

BUSINESS OPPORTUNITIES.

FOR SALE. A florist business in New York City that has been established many years in its present location; a fine opportunity for the right party. N. F., care Florists' Exchange.

TO LEASE.—12 greenhouses, about 60,000 feet of glass, within 50 miles of New York City, filled with palms, roses, carnations and other miscellaneous stock; business established 17 years and will be leased to responsible party from April 1st, stock to be sold on inventory. Address John Young, 51 West 28th Street, New York.

FOR SALE. The best greenhouse property in the New England States. On account of death it must be sold, it is a chance of a life-time; established 30 years; here a fortune is to be made; it is a rare chance. I will let it go at a bargain as I am too old to run it and I have other special reasons. For information address P. Gormley, Worcester, Mass.

FOR SALE or rent. Greenhouses and 8 acres of land, within five miles of center of Philadelphia, in an improving district; 45,000 feet covered with glass, steam heated, stocked with roses, carnations, asparagus, smilax, violets, etc.; 12-room dwelling, stable, 7 tenant houses. For further particulars address Evans' Rowlandsville Nurseries, Station F, Philadelphia, Pa.

FOR SALE, at Contentment Island, Darien, Conn. Two greenhouses, one 175 feet long, erected last summer at a cost of over $3000; apparatus capable of heating four more houses; water supplied by new hot air engine; nearly eight acres of most fertile land, much of it well planted in fruit trees and small fruits; barn, horse, wagon, etc. Death of owner cause of selling. Terms $6000, part cash. For full particulars, address H. E. Ferris, Administrator, South Norwalk, Conn.

SALE OR RENT.

Eight Greenhouses, fully equipped with steam. Apply H. W. BOUREAU, 420 Sansom St., Philadelphia, Pa.

MISCELLANEOUS.

TYPEWRITER for sale. First-class machine Address, Gardner & Son, Osage Nurseries, 125 N. 7th St., Osage, Iowa.

STEAM and hot water boiler for sale, as good as new; has been used less than one winter; good reason for selling. For price, etc., address Hopp & Lemke, Paul P. O., E. Grand Rapids Mich.

FOR SALE. 100 boxes 10x15 double thick glass; 25 boxes 10x12 double thick glass; 2500 ft. 1¼ in. wrought iron piping; lot of valves, tees, ells and fittings; one 16 horse upright boiler; one 45 horse upright boiler; one steam pump (Dean). Washington Place Greenhouse, Newtown, Bucks Co., Penn.

GREENHOUSE PLANT FOR SALE AT A BARGAIN



LOCATED in center of town 25 miles from New York City, and 4 miles from Long Branch, with superior train service.

Property consists of 3 acres of land in a high state of fertility. Twelve greenhouses (over 20,000 feet of glass) of the most improved style, heated by steam and in perfect condition—not a pane of glass out or anything out of order. A large ice house filled, a cold storage house 100 feet long, and a dwelling house. Complete water system with ample facilities for supply.

Houses are now filled with plants and are in full operation, and there is a large quantity of pots, potting soil, etc., on hand. Will sell property and stock with goodwill in large trade of ten years' standing in cut flowers and bedding plants, at a very low figure, or land and buildings alone.

Everything new and in perfect order. The greenhouses are adapted for growing either roses and carnations or plants for bedding purposes.

Reason for selling, ill health of owner.



For map of property and further particulars call upon or address **HENRY DECKER, Temple Court, NEW YORK**

Mention the Florists' Exchange when writing.

ADIANTUM FARLEYENSE

3 in. pots, $25.00 per 100; 4 in., $50 00 per 100; 5 in., $12.00 per doz.; 6 in., $18.00 per doz.

ADIANTUM CUNEATUM 4 inch pots, $12.00 per 100.

BOSTON FERNS Well-grown plants. 6 in. pots, 50 cts. each; 6 in. pots, extra strong, 75c. each; 8 in. pans, $1.00 each; 8 in. pans, extra strong, $1.50 each; 10 in. pans, $2.00 each; 12 in. pots and pans, $5.00 each.

EMERSON C. McFADDEN, TEL. 10 B, Short Hills. **Short Hills, N. J.**

Mention the Florists' Exchange when writing.

THE BOSTON FERN

A SPECIALTY.

Only orders booked at $5 00 per 100; $40 per 1000.

L. H. FOSTER, 45 KING STREET, **Dorchester Mass.**

Mention the Florists' Exchange when writing.

FERNS.

A fine assortment for florists use, from 2¼ and 3 inch pots. Also

Selaginella Emmelionn, Cyperus Alternifolius, $3.00 per 100.

BABY PRIMROSES, from 3 inch, $4.00 per 100 from 4 inch, strong, $8.00 per 100.

J. G. EISELE, - Philadelphia, Pa.

20th AND ONTARIO STS.

Mention the Florists' Exchange when writing.



PALMS

AND OTHER

DECORATIVE PLANTS

At Greatly Reduced Prices.

Stock large and in fine condition.

Send for new Wholesale list. Special prices on large orders. Send in list of your wants.

W. J. HESSER, Plattsmouth, Neb.

Mention the Florists' Exchange when writing.

Polystichum Wollastoni Lace Fern

Best and finest for cut, also for center pieces, etc. Size No. 1, 100 plants, $4.00; Size No. 3, 100 plants, $8 Sample box by mail, containing 1 dozen plants, 2 sizes, $1 00.

BABY PRIMROSES Best strain, lavender, for cut and pots. Size No 1, 100 plants, $3 00; Size No. 2, per 100, $5.00. Sample box by mail, containing 20 plants, 2 sizes, $1.00.

Cash with order, please. Packing careful.

ALBERT KNAPPER, Frankford, PHILA., PA.

Mention the Florists' Exchange when writing.

ASPARAGUS SPRENGERI

2¼ inch, extra strong....$5 00 per 100
3 inch, extra strong.... 7.00 per 100
4 inch, very fine..... 1.75 per doz.
5 inch, very fine..... 2.50 per doz.

PANDANUS UTILIS 2¼ in., heavy, $6 per 100; 3¼ in., heavy, $8 per 100

THE CALLA GREENHOUSES, Calla, O.

Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.

1730 CAMBRIDGE ST.

Mention the Florists' Exchange when writing.



Send for Our List of

Kentias, Latanias, Ficus,

Asparagus, Dracænas, etc. Azalias for immediate sales, assorted colors, from 60 cts. to $2.50 each. Ask for our price list of Perpetuated Palms. Samples sent on request. Address

THE GEO. WITTBOLD CO., Chicago,

1708 N. Halsted Street.

Mention the Florists' Exchange when writing.

LATANIA BORBONICA

4 inch pots..... $2.50 per doz; $20.00 per 100.
5 " ..... 4.75 " 35.00 "
6 " ..... 9.00 " 70.00 "
7 " ..... 1.25 each, and fine specimen plants from $6.00 and upwards.

Areca Lutescens, fine plants from $5.00 upwards.

Kentia Belmoreana and Forsteriana—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, well grown, from $2.50 and upwards.

Phœnix reclinata, 4 in. pots, 25c. each, $20 per 100; 5 in. pots, 40c. each, $35.00 per 100; 6 in. pots, 60c. each, $55.00 per 100; 7 in. pots, $1.25 each.

Phœnix Canariensis, Rupicola and Reclinata, fine specimen plants, from $3.00 to $5 00 each.

Cocos Weddelliana, from 2 in. pots, $1.50 per doz.

ASPARAGUS SPRENGERI 3 in. pots, $1.00 a doz. 5 in. pots, 25c. each.

JOHN BADER, Troy Hill, **Allegheny, Pa.**

L. D. TELEPHONE 872

Mention the Florists' Exchange when writing.

FERNS!

From 2¼ inch pots.

Cyrtomium Falcatum..... $3.00 per 100.
Pteris Cretica Magnifica..... 3.00 "
Aspidium Tenaniense..... 2.50 "
" " from 3½ in. pots 7.00 "

Cash with order.

L. MENAND, Cemetery Ave., **Albany, N. Y.**

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR

Palms and Ferns.

Fine, clean home grown stock; grown cool. Give us a trial order and be CONVINCED.

J. B. HEISS, The Exotic Nurseries, **Dayton, Ohio.**

SEND FOR PRICE LIST.

Mention the Florists' Exchange when writing.



Insertion will be given in this column to all communications free from animus, but the opinions expressed do not necessarily reflect our own.

Greenhouse Heating by Steam.

Editor Florists' Exchange.

In question (43) by Subscriber the answer might have been made plainer by giving the following facts so that Subscriber and others could see where the economy comes in. Steam is made from water and weighs the same as does the water evaporated. One pound of water makes one pound of steam at any pressure and requires one pound of water to be evaporated to make it, but heat required to make one pound of steam varies with the pressure, as also does the space filled with one pound of steam. At 5 pounds pressure 228 degrees Fahr. is required to make steam, or, rather, is the boiling point of water, and 1 pound of steam will fill piping at that pressure to the extent of 19.72 cubic feet; at 10 pounds pressure, 240 degrees Fahr. and 15.99 cubic feet; at 15 pounds pressure, 250 degrees Fahr. and 13.49 cubic feet; at 20 pounds, 259 degrees and 11.65 cubic feet. Subscriber and others can see that as pressure increases the degree of heat is necessarily increased, and that means firing (coal and labor), while the area in cubic feet of pipe filled decreases. Therefore pressure requires more firing to fill a certain amount of piping from these two facts, viz., a greater degree of heat and more water to be evaporated at this increase of temperature. A. T. HOYT.

Canna Italia.

Editor Florists' Exchange.

I note with surprise in February 17 issue of the FLORISTS' EXCHANGE, page 164, a statement relative to Canna Italia, viz., that a writer in December 30, 1899, page 1297, claimed that Canna Italia is simply a cross between Mme. Crozy and C. flaccida.

I am not a hybridizer, but I bought Italia, Austria and Burbank same season, and was told the first two were of the Crozy type, while the Wizard of Floriculture, Burbank, of California, had secured Burbank from fertilizing with our native C. flaccida on a Crozy canna. While Austria and Italia are distinctly Crozy types, most assuredly my plants of Burbank are scarcely distinguishable from C. flaccida, the only difference being that they have a very few specks of red in center and produce a much larger bloom, which is firmer in texture than C. flaccida. My flowers remain open or fresh in cloudy weather often three days, and often I gather spikes with from three to seven open fresh blooms on one stem. This, to my taste, is the grandest of all cannas ever grown, producing flowers often 6 to 7 inches in diameter by 4 to 5 inches in length. M. I. T.

Editor Florists' Exchange.

On page 164 you have a few lines from Messrs. Dammann & Co., stating that the Italian type of cannas are "absolutely sterile." We have had Italia and Burbank produce seeds. We feel that if we thoroughly understood the organisms of flowers we could have them seed freely. BETSCHER BROS.

Editor Florists' Exchange.

Dammann & Co., Italy, were, I believe, the first to improve the orchid flowered canna in that country, but it is just so much humbug when they say the process is far from simple. Their cannas may be sterile, although I prefer finding that out for myself; but in the experiments noted it was not stated that their cannas were used as seed bearers. G. W. O.

Reports on Carnations.

Through the courtesy of C. W. Ward, Queens, L. I., we present the following communication to our readers, together with Mr. Ward's reply thereto:

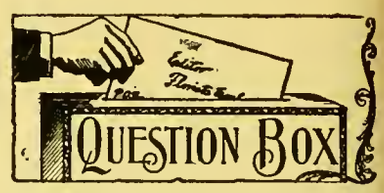
MR. C. W. WARD.

Dear Sir: I was a little amused, and still provoked, when reading the different growers' opinions on carnations in the FLORISTS' EXCHANGE of February 10. I think some of the writers had better give up trying to grow carnations if they have such success as they say with some kinds. I got a few plants of John Young from you, the first sent out. I have a bench now of 200 plants, and I can safely say, up to this time, I have cut 1,000 flowers from them and they are just as full of buds as they can be. The one who described the variety as requiring a surgical operation to open the flowers needs to study a little more about carnations, I think. I never saw any plant open its flowers quicker. Another good quality it has, is that you can cut the flower with an 18-inch stem. I have them break with two and three shoots and all come along together and bring out good flowers. My plants will now average 20 flowering stems. They may not be those fancy, large blooms, but such solid, sweet fringed blossoms, and stems like pencils! They always sell for good prices.

One person says "C. A. Dana makes too much grass." With me it is very profitable grass, for every shoot throws such a handsome flower in a short time. I am wondering what kinds some of those men are looking for for profit. True, Scott is a little old, but it will not do as badly as it is described, as regards bursting, etc., if grown properly. Bon Ton, with me, is a picture of health; such handsome blue healthy foliage, and a good bloomer! The grower is to blame for its ill health. What a pity to call the good Eldorado a rusty, busty, knock-kneed grower. It is subject to rust, but if a grower has a liking for his plants he will find out they are often not to blame as much as himself, and by using copper-solution ammoniated, with a little fostile, rust can be kept down.

I have several kinds I got from you, and when they don't thrive well I know it is my fault, and it would be a mistake to write and put in print the bad qualities of the plants when they are not to blame. I have been in carnation houses where no supports were used; the growers said it did not pay. Then one said it did not pay to disbud; then the next thing was that the plant was no good. It is a pity such people ever tried to grow flowers, for they missed their calling. GEORGE LISBURG.

Dear Sir: Yours of 24th at hand. I am pleased to know that you are succeeding well with carnations. I am inclined to think your climate materially aids you in carnation cultivation, as you have cool Summer nights and a moist atmosphere to assist your Summer growth. Many of those who fail in growing carnations have to contend with adverse soil and climatic conditions; and in some localities few varieties succeed. There is, however, as you suggest, plenty yet to learn, and the grower who studies the needs of his plants and succeeds in growing what others fail to grow, will win out in the end. More knowledge of growing, less criticism of varieties, is what is most needed. C. W. WARD.



(44) **Carnations for Name.**—The flowers sent to us were very poor specimens. No. 1 is evidently Jubilee, No. 2 Mrs. G. M. Bradt. Both are good bloomers and are as free from rust as any other varieties.

(45) **Substitute for Carnation Victor Wanted.**—What carnation will take the place of Victor—color and habit. Our Victor did fine until January, then the ends of the flowers became impaired. We find other florists have the same trouble. —READER.

(46) **To Germinate Holly Seeds.**—Soak the seeds in water until the pulp can be removed, then dry them and sow in the Spring, covering the seeds about one inch. Another method is to gather the seeds in Autumn when they are ripe, store away in sand until Spring and then sow in the ground one inch deep.

(47) **Treatment of Seed of Red Cedar and Holly before Sowing.**—Red cedar does not ripen its seeds until the second year; after the seed is sown it will often lay dormant one year. This, however, can be avoided to a certain extent if the seeds are soaked and the pulp removed before sowing, or the pulp can be removed by covering with ashes for a few days. Seeds of holly also need to have the pulp taken away, and may be treated same as those of the red cedar.

(48) **Bottom Heat for Callas.**—I was thinking of heating the soil under callas in a solid bed, by placing a drain or sewer pipe of 2 or 3 inches diameter about 1 foot under the ground, and running a 1-inch steam pipe inside of the drain pipe. Would that be advisable?

—The method suggested for giving bottom heat to callas in a solid bed is practical, but the same results can be obtained by planting the callas on a raised bench, under which heating pipes are run.

(49) **Height of Bench.**—Can roses or carnations be grown successfully in a house 14x200 feet; walls 5 feet high, two 4-foot benches, with walks in center and around outside, even-span roof, of 60 degrees? If so, how high should top of bench be from floor of house. Continuous ventilator, 30 inches deep, open rom ridge.—B. B.

—Roses and carnations should do fairly well in a house such as is described. Have the top of the bench 4 feet from the floor, this will give the surface of the bed all the advantages of light and air to be gained.

(50) **Growing Asparagus for Market.**—Am going to try to grow asparagus for market, and am in a town where I can get heavy meadow, much that is composed of old leaves and trees decomposed for centuries. Now, what I would like to know is, will that be a good soil in which to grow asparagus, or would about the same soil as is adapted to smilax be preferable?—J. F.

—In preparing the beds for the asparagus to be grown indoors, soil similar to that used for growing smilax is the best to use, and will give far better results than the muck mentioned could afford.

(51) **Greenhouse Heating.**—Will a Weathered No. 6 hot-water conical boiler heat one greenhouse for carnations, 20x50, and one 18x50 feet? What size main, flow and return, pipes to boiler are required? If I use two flow pipes, what size should they be, and how many 2-inch returns for the house 18x50 feet? —H. W. M.

—The No. 6 Weathered boiler will heat two carnation houses, 20x50 feet and 18x50 feet respectively, and will have sufficient surplus power to heat another carnation house 18x50 feet. Figuring for New York and vicinity, I would say a carnation house 20x50 feet should have two flows 3½ inches and nine returns 2 inches; carnation house 18x50 feet should have two flows 3½ inches and eight returns of 2-inch pipe. The main flow and returns from boiler should be two 3½-inch flows and two 3½-inch returns.—S. BURNS, of T. W. Weathered's Sons.

E. G. HILL & Co.

Richmond Indiana

NEW ROSES ...FOR 1900...

FRENCH GERMAN ENGLISH AND IRISH

WE have a large stock of these novelties of the year, which are especially recommended to catalogue men and growers of general collections of roses. Our stock is in the very finest condition and consists of strong grafted plants. Those wishing full descriptions send for "Special Novelty Price List."

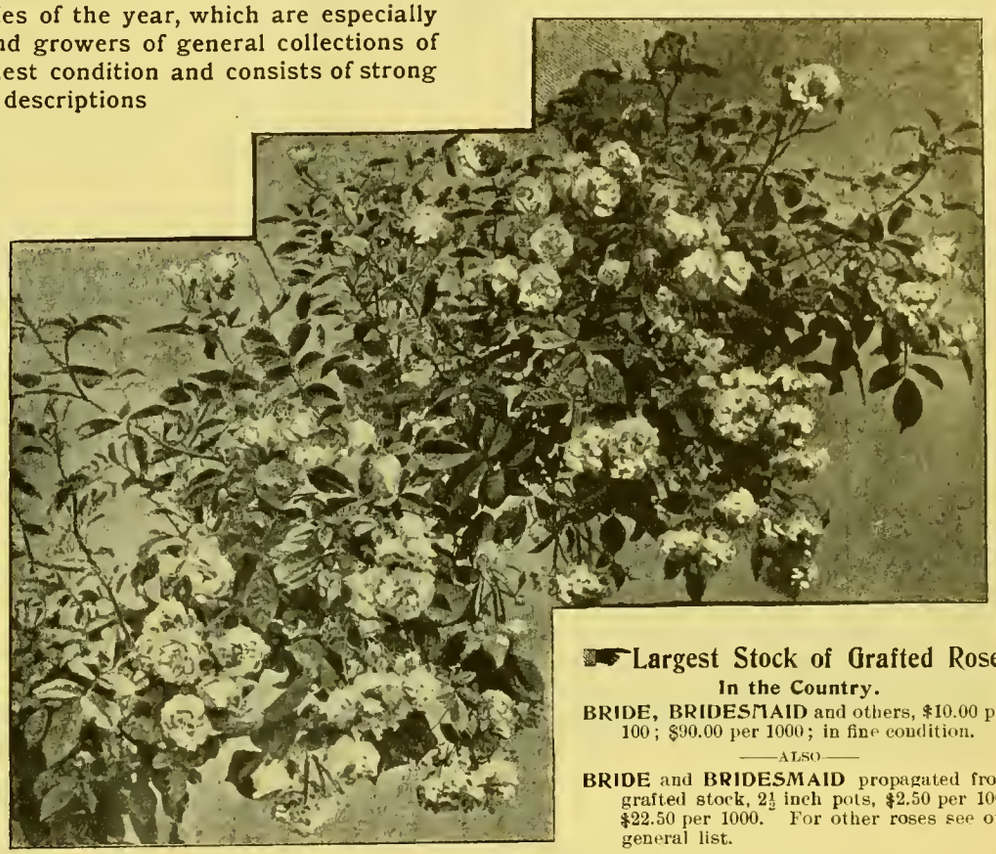
New English Rambler Rose "PSYCHE"

This is a seedling from the celebrated Crimson Rambler, and a fit companion for that most useful of climbing roses. Here is the raiser's description:

"We are particularly glad to be able to offer to the public what we believe to be the **first** English raised seedling from *Turner's Crimson Rambler*. This new seedling is peculiarly distinct and beautiful. As has been happily said, *Psyche* is the old-fashioned rose modified to meet the more exacting requirements of to-day. There are many traits in its habit and growth to remind us of the most beautiful old garden roses, but as will be seen by the accompanying illustration, the exquisite form of the blooms is well suited to please the more fastidious taste of modern rosarians. In foliage *Psyche* closely resembles *Turner's Crimson Rambler*. The growth is vigorous, long and healthy.

"The bunches of flowers are produced freely and contain from 8 to 35 blooms, the color is pale rosy pink suffused at the base of the petals with salmon and yellow. In the bud stage the flowers much resemble those of *Golden Fairy*, the seed parent."

We offer magnificent young grafted plants with 10 to 12 inches of growth, well established, or own rooted plants, if preferred. $9.00 per dozen; $50.00 per 100.



New English Rambler Rose "PSYCHE."

The New Forcing Rose (Tea) SUNRISE

The most gorgeous rose of its class yet introduced. This has made a sensation in England and taken first honors wherever shown. In close bud form it shows the high, brilliant colors, seen only in the "Austrian Copper," scarlet and yellow. As it opens, the color deepens, the scarlet turning darker red, the yellow to orange and copper, the inside of the petal golden yellow. The open rose is large, perfectly double and of grand form. The foliage is glossy and thick, the new growths being the darkest and most beautiful found among roses. The form and color of bud, its freedom of growth and bloom, will give *Sunrise* a high place among forcing roses.

Strong grafts ready now. $1.00 each; $75.00 per 100.

"The table at N.R.S. annual dinner was prettily decorated with roses, the most attractive being the bowls of Mr. Piper's gold medal rose *Sunrise*, which looked perfectly charming with its blooms in all stages, shading from orange-red buds to the pale-orange full-bloom flowers. This rose is just the thing for table decoration, its bronze foliage showing off well on the white cloth."

"**Tea-Scented Rose Sunrise.**—We are reminded of the great value of this exquisitely beautiful rose for the supply of flowers during the Winter months by a box of blooms which has been received from Mr. G. W. Piper, who had the good fortune to secure this fine novelty. Not only are the flowers bright and effective in coloring, but they pervade the editorial sanctum with their delicious perfume."—*Gardener's Magazine*, Feb. 10, 1900.

Baldwin (H. T.). Grand red rose; large; double; very fragrant; one of the very freest bloomers extant; easy to propagate. $15.00 per 100 (own root).

Grus an Teplitz (H. T.) Has the color and freedom of Agrippina; the rose is a large, bushy, free grower, literally covered with bloom for market use and the catalogue trade this will take first rank; very fragrant. $10.00 per 100 (own root).

Besides these we have the following collection.

Send for full descriptions and prices.

THIRTEEN TEA ROSES.

A. Foures. Red, yellow and orange.
Ant. Weber. Rosy pink.
F. L. Segers. (Safrano × Adam).
Lucie Faure. (Seedling of Niphetos; very free, ivory white).
L. Lapoyade. (Milk white, veined carmine; seedling of Reine Marie Henriette).
Mrs. Mawley. Salmon, shading to carmine
Mme. J. Laperriere. (Jules Finger × C. Mermet); rose color.
Mme. L. Coulon. (Kaiserina Aug. Vic. × Luciole); flesh rose.
Mme. L. Duranthon. (First class certificate).
Mme. J. Charreton (Two certificates and a medal).
Pierre Migron. Yellow, petals edged with rose.
Queen Olga of Greece. Rosy pink
Souv. de Rose Terrel. (Kaiserin Aug. Vic. × Mme. Jos. Schwarz).

FIVE HYBRID TEA ROSES.

Bessie Brown. Creamy white.
Duc d' Aremberg. (Mme. Lombard × Belle Siebrecht).
Hofgarten Graeber. (Seedling of Mme. Festout).
Shandon. Crimson.
J. Wesselhoft. Extremely free; fine yellow bud.

EIGHT HYBRID PERPETUALS.

Souv. Alex. Hardy. Dark crimson; extra.
Baron Girod. Crimson, flaked white, silver medal.
Ernest Morel. Seedling from "Jacq." Fiery red; free and fragrant.
Mrs. Rumsey. Rose color; fine.
Principessa di Napoli. Clear rose; free and fragrant.
Prof. Schmidt. Scarlet, shading to crimson.
Robt. Duncan. Rosy lake
Rudolph Einbard. Velvety red; free.

ONE BOURBON.

Mlle. Marthe H. Rose color; lined yellow.

NOW is the time to secure fine stock for propagation this Summer.

Largest Stock of Grafted Roses In the Country.

BRIDE, BRIDESMAID and others, $10.00 per 100; $90.00 per 1000; in fine condition.

—ALSO—

BRIDE and **BRIDESMAID** propagated from grafted stock, 2½ inch pots, $2.50 per 100; $22.50 per 1000. For other roses see our general list.

Rooted Carnation Cuttings

Fine Stock. Both New and Old Sorts.

The New Chrysanthemums of the year.

Finest collection ever offered of

New Geraniums

In extra fine stock, including **CLYDE, JEAN VIAUD** and **FANCY SORTS.** $3.00 per dozen.

Grand New Bruant Type HELIOTROPE **LA DUSE**

$2.00 per dozen. $15.00 per 100.

Asparagus Sprengeri

Elegant stock. 2½ inch, $4.00 per 100. 3 inch, $6.00 per 100.

SEND FOR OUR GENERAL LIST IF NOT AT HAND.

E. G. HILL & CO. Richmond, Indiana.

(52) **Carnation Mrs. James Dean.**—Is it profitable to grow Mrs. James Dean carnation for $3 per 100, by good care; and which pink would fill the place better?—SUNSCRIBER.

—I cannot answer, as I don't know what it costs the questioner to grow his carnations. It pays us at $2 to $6 per 100, according to New York market changes. I cannot tell what new one will take its place, as we have yet to test the novelties of this year. Mrs. Dean needs early planting (August 1 to 15) and not too late pinching. It comes into bloom with us October 25 to November 1, when treated right, and continues to flower without interruption thereafter. If planted late, or pinched too late, it will not come in flower till Christmas.—C. W. WARD.



Vase of Carnation The Marquis.

(53) **A Geranium Trouble.**—I send you by this mail a geranium plant. Can you tell me what is the trouble with it and how to remedy it? I built a small house last Fall. The house is heated by a No. 2 Weathered Sons' heater, which is situated at one end of the house. I do not think the trouble is gas, as the draft is perfect. I keep the temperature at night at from 50 to 60 degrees, during the day from 55 to 65 degrees; have a continuous ventilator and give air every day when the temperature goes to 65 degrees. I fumigate once a week and am not troubled with insects.—W. H. F., Rhode Island.

—The leaves of the geranium appear to be burned, either by gas escaping from the boiler or by too heavy fumigating with tobacco. Seeing the house is so small, the latter might easily occur, and it would be advisable to reduce the quantity of tobacco used. As the boiler is located in the house it is just possible that an escape of gas, when fuel is being added or when the ashes are removed, is the cause of the injury. Due care in fumigating and looking after the boiler will no doubt remedy the evil.

(54) **Longiflorum Lilies for Easter.**—I have a batch of Japanese longiflorum lilies that have been potted and growing since early in the Fall. I have not forced them since January 1. They have been in a temperature of 55 to 60 degrees with full sun all day. They are now about 8 inches high and showing from four to eight buds each; stem ¾ to 1 inch in diameter, with hard foliage, strong, and furnished from bottom to top. No red spider or aphis. No fertilizer has been given the lilies; they are in 6-inch pots, of good, rich soil. How can I draw them up to 15 or 20 inches? Will they develop the buds by Easter—seven weeks from now? The buds have not yet left the leaves, but are plainly seen without parting any leaves.—SUBSCRIBER.

—Keep the temperature near the 60-degree mark and the flowers will be in all right for Easter. The stems will, of course, be longer than they now are, by the time the blooms open, yet, to have them as long as possible, they will require to be put further from the glass; this can be done either by lowering the bench or putting the plants into a higher house.

(55) **Rose Golden Gate.**—Can you tell me whether it is worth while to grow many Golden Gate roses next season? My experience with this rose has been this: Last year I bought 25 of the rooted cuttings for trial. The 25 plants have afforded me more blooms than any other 25 rose plants in my houses. (Last week I cut 18 flowers). They are planted in a small bench across the east end of one of my houses (end furthest from the furnace). The conditions may be exceptionally favorable for them. I grow Bride, Bridesmaid and Beauty in the same house. The minimum temperature at night has been 54 to 56 degrees, until the last few weeks, when it has been raised to 58 to 60 degrees. One rose grower told me that his Golden Gate all showed weak stems. My experience has been the reverse, weak stems having been the exception. Many of my blooms were borne three or four feet above the bench, rendering it easy to cut 20 to 24-inch stems.—E. W.

—Seeing that the varieties of roses grown in quantities are so few, we would not hesitate to devote more space in the greenhouse to Golden Gate. It is a beautiful rose, and with stems such as are mentioned, it would no doubt prove profitable.

Boston.

Market Notes.

Business holds about the same as last reported, but with a prospect of slackening up somewhat with the advent of the Lenten season. Good roses are becoming more plentiful, and since Saturday have been in sufficient supply. Beauty are still of rather poor quality. There are, however, a few fine ones which do fairly well, at 35c. to 50c. a 100. The supply of Bride and Bridesmaid has increased quite perceptibly within a week, and, as a rule, these varieties have improved in quality. Prices now range on these roses from $3 to $8 and $10 for common grades, No. 1's and extras going at from $12.50 to $16. Meteor are fairly plentiful, but move slowly. Jacqueminot are a little more in evidence this week than last, and the quality is improving. They are still held at $2.50 to $3 a dozen.

Carnations are yet rather short in supply, especially the fine grades, though they move a little morwe sloly this week than last.

Bulbous stock is very plentiful and increasing in quantity. Von Sion, Trumpet and Princeps now make $1.50 per 100, with choice stock at $2; Paper Whites make $1 to $1.50; Poeticus and Campernelles, $1.50 a 100.

Tulips are in great variety and, as a rule, have been of very good quality. Single varieties make $2 and $2.50 a 100, while the doubles easily fetch $4 a 100.

Dutch hyacinths are quite plentiful, at $3 to $4 per 100, and sell well. Roman hyacinths continue very abundant, at $1 to $1.50 a 100.

Longiflorum lilies, of good quality, just now bring $2 a dozen, and are rather scarce at that figure. Callas are in good supply, at 75c. to $1.25 a dozen. Valley is very plentiful, and the best of it, outside of a limited supply of extra stock, is selling for $3 a 100. Violets are in very good supply.

Here and There.

That patriotic body, the "Old Guard," was again summoned to celebrate Washington's Birthday at "The Windmill," Wenham, Mass., under command of Capt. Edward Hatch. In spite of disagreeable weather nearly every member answered at roll call. A very enjoyable day was spent and a hearty vote of thanks extended to Mr. Hatch. The Department of Co-Operative Purchase of the S. A. F. O. H. being luckily represented in the party, received quite an extensive order for "glass."

Fred. L. Harris, gardener for H. H. Hunnewell, Esq., has the sympathy of his many friends in his affliction occasioned by the death of his wife, which occurred on Saturday, February 24. At the funeral, held on Tuesday, many prominent gardeners and florists were present.

Welch Bros. are receiving shipments regularly of that fine red carnation, Fred. King, for which they find a great demand.

A cablegram has been received announcing the arrival of N. F. McCarthy at Belgium, whither he has gone on a business trip. F. J. N.

Buffalo.

Market News.

Several days of zero weather, beginning Friday last, accompanied by a severe gale and snowfall, stagnated business to quite an extent recently. Aside from this it has kept up very fair. Flowers for funerals have been in steady call. Some decorating for reception and dinner affairs was called for on Washington's Birthday, on the occasion of Gov. Roosevelt being here at the unveiling of a tablet in the arsenal of the 65th Regiment, N. G. S. N. Y., placed to commemorate victims of the Spanish War.

Flowers are neither scarce nor plentiful. L. Harrisii and calla blooms incline to accumulate somewhat.

Jottings.

Wm. Scott, as manager of the floricultural features of the Pan-American Exposition, has been duly installed in office, at No. 726 Ellicott Square Building.

A feature that is novel, locally at least, is the refrigerated air method of cooling in the daintily constructed cases of Rebstock's branch in the Hotel Iroquois. Always clean, no ice to handle, it seems another decided advancing step.

Prof. J. F. Cowell is on a Southern trip.

E. H. Giesy, of Lockland, O., paid us a pleasure visit on Tuesday, and last week Mr. Smith, of Smith & Fetters, Cleveland, and Walter Mott, were in town.

VIDI.

Carnation The Marquis.

Our illustrations, presented herewith, show a vase and house of this grand new variety, the greenhouse having been photographed during the week of Buffalo Convention of American Carnation Society. As an indication of the estimation in which The Marquis is held, we are informed by the originator, L. E. Marquisee, of Syracuse, N. Y., that 150,000 have already been sold, and orders are constantly coming in. The Marquis was one of the great attractions at the recent carnation exhibition at Buffalo. It was constantly surrounded by large crowds of people, the lady visitors being very enthusiastic; and, as Mr. Marquisee remarks, "the ladies are the final judges after all." The variety has also wonderful vitality.



House of Carnation The Marquis.
[Photograph taken February 15.]

RUSSELIA MULTIFLORA



RUSSELIA MULTIFLORA.

A splendid **vase plant,** strong, vigorous grower, producing immense sprays, 3 feet or more in length, literally covered with coral red flowers; also very effective in baskets and window boxes; easily grown.

Extra strong plants from 3½-inch pots. $1.25 per doz.; $8.00 per 100; small plants, $5.00 per 100.

Russelia Elegantissima.

Similar to above but stronger grower. Same price as above.

NEW AND RARE

GERANIUMS

We have the following sterling New Varieties, well established in 2½-inch pots ready for immediate shipment.

Now is the time to get Strong, Healthy Stock.

	Each.	Per Doz.
Pasteur	$0 75	$7 50
America	50	5 00
Aquarelle	$1 00	$10 00
C. W. Ward	50	5 00
Jean Viaud	$0 50	$5 00
Jean Remean	75	7 50

The set of 6 varieties for $3.50.

	Each.	Per Doz.
M. H. Tilmant	$0 35	$3 50
J. B. Varrone	35	3 50
La Fraicheur	35	3 50
M. Canovas	35	3 50
Richelieu	$0 35	$3 50
Malgache	35	3 50
Marie Fournier	35	3 50
Pouschkine	$0 35	$3 50
De La Vigne	35	3 50
Andrew Lang	35	3 50

The set of 10 varieties for $3.00.

	Each.	Per Doz.
Cerise	$0 25	$2 50
Rudyard Kipling	20	2.00
Le Congo	25	2 50
Pierre Le Brum	15	1 50
Double H. Jacoby	15	1 25
Dryden	15	1 25
Nydia	$0 15	$1 25
E. Arene	15	1 25
La Fayette	15	1 25
Dr. Despris	15	1 25
Caesar	15	1 25
Kleber	$0 15	$1 25
Pink Domino	15	1 25
H. Charron	15	1 25
Paul Barre	15	1 25
H. de Parville	15	1 25
Mme. Goyeux	15	1 25

The set of 17 varieties for $2.50.

CANNAS

We have the Largest and Finest Stock of Strong, Healthy Roots in America. All in Splendid Order for Immediate Shipment.

	Per 100	Per 1000
Mme. Crozy	$2 50	$20 00
Secretary Chabanne	2 50	20 00
Count de Bouchard	2 50	20 00
Mlle. Berat	3 00	25 00
Burbank	$2 50	$20 00
J. D. Cabos	3 00	25 00
President McKinley	3 00	25 00
President Cleveland	3 00	25 00
Robert Christie	$2 50	$20 00
Chas. Henderson	2 50	20 00
Florence Vaughan	2 50	20 00
Yellow Crozy	5 00	

1200 Roots, 100 of each of above varieties, for $25.00, or $23.75 if cash is sent with the order.

CARNATION CUTTINGS

FINE STRONG STOCK FOR IMMEDIATE SHIPMENT

	Per 100	Per 1000
Olympia	$12 00	$100 00
Genevieve Lord	10 00	75 00
Morning Glory	6 00	50 00
Mrs. G. M. Bradt	5 00	40 00
Bon Ton	3 00	25 00
Scott	$1 50	$12 00
McGowan	1 50	12 00
General Maceo	6 00	50 00
General Gomez	5 00	40 00
G. H. Crane	$6 00	$50 00
White Cloud	4 00	30 00
Mrs. Jas. Dean	3 00	25 00
Daybreak	2 00	15 00

Also ETHEL CROCKER, MARQUIS and LAWSON for March 15th and later delivery.

All orders where cash is sent with order are entitled to 5 per cent. discount.

Now is the time to send in your orders.

THE COTTAGE GARDENS, C. W. WARD, Manager. Queens, N. Y.

Grand Rapids.

Cold waves are causing the mercury to jump around zero. It is a little too hard on the coal bin, but there is nothing like getting used to it. Everybody is busy; funeral work has held out very persistently. Shipping is still as brisk as at any time this Winter, taxing the ability of the growers to properly fill orders as received.

All flowers, save violets, are scarce, but white and pink roses and white carnations seem to be in shortest supply. Beauty will be more plentiful if this bright weather continues. Roses bring $1.50 per dozen, selected blooms, $2; not many are sold though at the latter figure. Perle is not first-class, and bring only $1 per dozen. Carnations realize 35c. and 50c. per dozen, while a few extra sized Bradt and Mary Wood, with Ireue, bring 75c. per dozen. Lilies are not plentiful, bringing $1.50 per dozen. Complaint is heard on all sides as to the awful mixture sent out as Harrisii this year; there are many rubrum and speciosum among them, one florist having several hundred and no earthly use for them. He is awaiting the arrival of the bulb agent, with a rod behind the door.

What a tempest has been aroused by the discussion of the points awarded "Enquirer" at Cincinnati and Chicago. The discussions on this subject are as eagerly looked forward to as are evening papers for the latest war news. Opinion is about equally divided here between Bock and Rudd, but in a general way the discussion is productive of much good.

B. Eshner, of M. Rice & Co., and J. E. Killen were recent visitors.

G. F. C.

Toronto.

Trade Notes.

Business has been fairly good, with stock plentiful. Roses are getting more abundant and carnations and violets are in over supply. Daffodils, both single and double, are very plentiful and cheap, $2 per 100 being the standard price on the street. Tulips are also in large supply, and unless special stock or varieties they sell at about $2 per 100.

Association Meeting—A Carnation Show.

The meeting of the Gardeners and Florists' Association was held Tuesday last. The Executive Committee reported that the annual supper had been a great success. John H. Dunlop gave a very interesting account of the Carnation Society's Convention at Buffalo and a description of many of the varieties on exhibition, and he said he had asked most of the exhibitors to send a few specimens of their varieties to our carnation meeting on March 8. Arrangements were made for that meeting, and a good committee appointed to receive and stage the blooms. Any flowers sent will be well looked after, and should be shipped so as to reach here by the evening of the 7th inst. Packages should be marked "flowers for exhibition," and addressed to C. W. Irwin, Custom House Broker, Toroto, Ont. It is expected that many members of the trade from outside points will be present, and the meeting will no doubt be a first-class one.

The weather just now is very cold—about 10 degrees below zero—and that is hard on the coal eap.

THOS. MANTON.

Montreal.

Trade News.

The close approach of Lent has had a slight temporary effect for the better; but on the whole trade is as slow as it is possible to be without being utterly stagnated. The postponement of the many big social affairs usually held has ended in abandonment, the subscriptions instead being poured into the patriotic funds. The present prospects for trade during Lent are anything but encouraging.

The Canadian Trade Journal.

The first number of our Canadian paper is to hand, and has proved rather a disappointment to the many who were expecting a paper of interest to the private gardener and amateur. A memorial on the matter is being sent from this city to the publishers, and no doubt a change will soon be effected.

Club Items.

At a committee meeting, held in Messrs. Wilshire Bros.' store, Tuesday evening, it was decided to give a chrysanthemum show next Fall, and a committee was appointed to secure $300 as a guarantee for success of same. A permanent ribbon badge was selected for the use of the members; the same will be issued at the next regular meeting.

B.

YELLOW COLEUS (Good variety). 2 inch, $1.50 per 100.
PETUNIAS, DOUBLE FRINGED 2 inch, $2.00 per 100.
E. I. RAWLINGS, - Quakertown, Pa.
Mention the Florists' Exchange when writing.

MAMMOTH VERBENAS large, rooted plants, 60 cts. per 100; $4.50 per 1000. Geraniums, Hill, Grant, La Favorite and Pink, 3 in., $3.00 a 100. Cyclamen, 3 in., $5.00 per 100, in bud and bloom; 4 in., $1 25 per doz. **Rooted Cuttings,** Blue Ageratum, 50c. per 100; Double Petunias, Lobelia, White Stocks, $1 per 100. **Samuel Whitton,** 15 Gray Ave., Utica, N. Y.
Mention the Florists' Exchange when writing.

GERANIUMS OUR FOUR NEW SINGLE BEDDERS
Frances Horn. Petals deep carmine lake, center marbled white.
A. V. Gerbig. Bright apricot salmon, shading much deeper towards center; distinct white eye.
Cresco. Color a little lighter than the above, larger florets, 2 to 2½ inches in diameter.
Grandma Miller. Enormous truss, bright scarlet, with distinct crimson veins.
Strong plants, from 2½ in. pots, 25 cents. The 4 for 90 cents; $2.50 per doz.
C. H. GERBIG, - Archbald, Pa.
Mention the Florists' Exchange when writing.

300,000 VERBENAS
60 finest named varieties, including our new **MAMMOTH WHITE MRS. McKINLEY.** The finest white Verbena grown.
Perfectly healthy. Free from rust.
Rooted cuttings, 60 cts. per 100; $5.00 per 1000.
Plants, $2 50 per 100; $20.00 per 1000.
Our list is the choice from millions of seedlings
Send for Circular.
J. L. DILLON, Bloomsburg, Pa.
Mention the Florists' Exchange when writing.

FUNKIA LANCIFOLIA GREENLEAFED.
A fine hardy bordering plant. The spikes of Lavender-blue flowers are nice for funeral work, $2.00 per 100; $15.00 per 1000.
EULALIA striated, $2 00 per 100.
PANSIES. $4.00, $10.00 and $12.00 per 1000.
HELIANTHUS MULTIFLORUS PLENUS, $2.00 per 100 strong pieces.
Will exchange for carnations or other stock needed. **W. C. JENNISON, Natick, Mass.**
Mention the Florists' Exchange when writing.

COLEUS. Red and yellow, $6 00, bright fancy, $5 00 per 1000. **New Coleus,** large leaved, gorgeous colors, and **Corona,** best edging, scarlet, wide gold border, $1.00 per 100.
Following all **transplanted** prices are per 100.
Begonia Vernon and **Erfordii,** $1.50. **Petunia** S. Fringed, $1.20. **Dbl.,** only select best, $1.75. **Verbena,** mixed, brightest colors, 60c. **Bugnot Pansy,** part in bloom, and **Sage,** 85c. **Geraniums,** bedding varieties, rooted cuttings only. Terms cash. Get trade list and details.
DANIEL K. HERR, Lancaster, Pa.
Mention the Florists' Exchange when writing.

GERANIUMS
Alphonse Riccard, Poitevine, Pr e Dubois, Poirault, J. D. Cabos, Mme. Jaulin, E. G. Hill, L. Fages Chaplin, La Favorite, Nutt, Raspail Imp., John Doyle, etc., 2½ in., $3.00 per 100; $25.00 per 1000.
Stocks, German, Ten-Weeks, white or mixed, 2½ in., $1 50 per 100. **Cannas,** Mme. Crozy, Charlotte, Paul Marquant, A. Bouvier, Burbank, $1.50 per 100. **Pansy,** Parisian, Bugnot, $3.00 per 1000. **Bellis Perennis,** fl. pl., Myosotis Victoria, $4 00 per 1000.
Shellroad Greenhouse Co., Grange P. O., Balto., Md.
Mention the Florists' Exchange when writing.

GOING At $3.50 per 1000!
Alternanthera, Summer struck, red and yellow, large, bright and fine.
500 **Weeping Lantana,** 20 inches long, $1.50 per 100; **Dreer's Petunias,** 500 strong plants, $2.00 per 100; 4000 **Coleus,** Verschaffeltii, Velvet Mantle and other fancy varieties, R. C., $3.00 per 1000. Must have the room the above plants occupy within ten days. No order filled after March 15 at above prices.
JESSIE T. ELLIS, Griffin, Ga.
Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

	100	1000
Coleus, Crimson Verschaffeltii, Golden Bedder and Golden Queen	$0.75	$6.00
In variety	.60	5.00
Alternantherns, P. Major and A. Nana, from soil	.60	5.00
Ageratum, blue and white	.60	
" Princess Pauline	.75	
Double Petunias, 30 varieties	1.25	
Giant Alyssum	.60	
Heliotropes, 12 varieties	1.00	
" " 2 inch pots	2 00	
Salvia Splendens and **Bedmaa**	1.00	
Cannas, Austria only, dormant	1.00	
Geraniums, standard bedders, 3 inch pots, our selection	3.00	

Plants by the 100, by mail, prepaid. Cash with order.
C. A. HARRIS & CO., DELANSON, N Y.
Mention the Florists' Exchange when writing.

READ Our "Ad" on Page 200, February 24, 1900, AND THEN WRITE US.

WE want a good man to assist in propagating; must have experience; with good reference; $40 00 per month for the first year.

GREENE & UNDERHILL, Watertown, N.Y.
Mention the Florists' Exchange when writing.

BARGAINS
For retailers, jobbers, landscape gardeners, etc., for bedding, cemetery planting, etc. I am booking orders now for Spring or present delivery of all kinds of bedding, vase and ornamental plants in bud and bloom, or without, as desired, grown with especial care, bushy and hardy, in 2½ inch pots, or larger ones, if desired.

BLOOMING PLANTS Geraniums, Petunias, Verbenas, Scarlet Sage, Heliotrope, Vincas, Ageratum, Alyssums, Phlox, China Pinks, Snapdragon, Asters, Nasturtiums, Cupheas, Torenias, Cannas, Dahlias, etc., and 4 inch pot Roses.

FOLIAGE PLANTS Coleus, Alternantheras, Anthericums, Echeverias, Centaureas, Fancy Caladiums, Carex Japonica var. Mesembrianthemum, etc.

VASE PLANTS AND VINES
Hardy and tender, Dracænas, Palms, etc., Yuccas, Aucuba and other Evergreens, Shrubs, Hardy Perennials, etc.

Correspondence solicited, state quantity and size and time wanted, and I will give lowest prices.

N. STUDER, Wholesale Grower of Plants, **Anascotia, D. C.**
Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT
Asparagus Plumosus, 3 in., $8.00 per 100. **Rex Begonia,** 3 in., mixed, $4.00 per 100. **Marguerite Daisy,** large flowering white, 2 in., $3 00 per 100. **Nephrolepis Cordata Compacta and Boston Fern,** 2 in., $4.00 a 100. **Kentia Belmoreana and Forsteriana,** 4 in., nice plants, 40c. each; 3 in., 20 cts. each.

Geraniums: Double Grant, Bonnatt, 2 in., $3.00 per 100. Single Grant, Murandi, Sam Sloan, 2 in., $2.50 per 100.

English Ivy, 2 in., $3.00 per 100.

Campbell Violets, rooted runners, 50 cts. per 100.

NEW CARNATION KITTATINNY.

A new money making carnation; a white sport from Daybreak. Any one can grow it that can grow Daybreak, as it is identically the same in every respect except color, which is pure white; and with me it is a stronger grower and larger flower, and as a first-class all-round white can't be outclassed. Stock limited, and orders will be filled in strict rotation. Price per 100 **Rooted Cuttings,** $6.00.

Carnations, rooted cuttings. Daybreak, Iago, Flora Hill, $1.25 per 100. Scott, Fisher, Portia, McGowan, Alaska, Peach Blow, 75c. per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.
Mention the Florists' Exchange when writing.

GERANIUMS
A few thousand left in 2½ in. pots at $30.00 per 1000; $3.25 per 100. **S. A. Nutt, La Favorite, Richard Brett, Wilhelm Pfitzer, Mazet Delayas, J. M. Garr, Mrs. E. G. Hill, Wonder, Granville, Rev. Atkinson.**
Mme. Salleroi, Geraniums, in soil, $1.50 per 100; $12.00 per 1000.
Also, **Rose Geranium Cuttings,** $18 00 per 1000; $2.00 per 100.
COLEUS, Crimson Verschaffeltii and Golden Queen, $7.00 per 1000, 75c. per 100; 2 in. pots, $1.50 per 100. Coleus in variety, $5.00 per 1000, 60 cts. per 100; 1¾ in. pots, $1.25 per 100.
AGERATUM, Blue and White, 75c. per 100; 1¾ in. pots, $1.25 per 100. Princess Pauline, $1.00 per 100; 1¾ in. pots, $1.50 per 100.
GIANT ALYSSUM, $1.00 per 100.
SALVIA, Splendens and Bedman, $1.25 per 100; 2 in. pots, $1 75 per 100.
HELIOTROPE, 6 vars., named, $1.00 per 100; 1¾ in. pots, $1.50 per 100.
CUPHEA (Cigar Plant), $1.00 per 100.
FUCHSIAS, $1.50 per 100; 2½ in. pots, $2.50 per 100.
FEVERFEW, $1.50 per 100; $12.00 per 1000; 2 in. pots, $2.00 per 100.
VINCAS, $1.25 per 100; $10.00 per 1000. 4 in. pot, $8.00 per 100; $70 per 1000. Fine plants.
The above are rooted cuttings, except when noted. Cash must accompany all orders.

J. E. FELTHOUSEN, Schenectady, N.Y.
Mention the Florists' Exchange when writing.

Room Wanted.
Have six large houses crowded with choice Easter plants. Azaleas by the thousand, watch the ad. to time. **Primroses,** 4 in. pots, choice colors, to bloom, from $6 00 to $8.00 per 100. **Umbrella Plants,** 4 in. pots, $7.00 per 100. **Begonia Vernon,** 4 in. pots, $8.00 per 100. **Primula Obconica,** to bloom, 4 in. pots, $6 00 per 100 **Cyclamens,** 4 in. pots, in buds, $8.00 per 100 **Azaleas,** bud and bloom, white and pink, 75c. each. **Standard Azaleas,** 2 ft. high, white and other colors, 80c. **Cineraria Hybrida,** 6 in., in buds, $2 50 per doz. State particularly if wanted with or without pots.
CASH WITH ORDER. PLEASE.
CODFREY ASCHMANN,
1012 Ontario Street, Rising Sun, Philadelphia, Pa
General Agents for **O. Van den Plas, Ghent, Belgium,** for Azaleas, Rhododendrons, etc. Orders booked now for Fall delivery.
Mention the Florists' Exchange when writing.

NICE, CLEAN STOCK, A No. 1.
Coleus, from 40 to 60 varieties, $5.00 per 1000; 70c. per 100. Verschaffeltii and a good yellow, $7.00 per 1000; 80c. per 100.

Carnations, Cartledge, Wm. Scott, Eldorado, Tidal Wave, Puritan, Kittie Clover, Portia, McGowan, Louisa, Dr. Warder, $10 per 1000; $1.25 per 100. Mary A. Baker, Liberty, Duke of York, $40 per 1000, $5 a 100.

Campbell and California Violets, Giant Double Alyssum. Nice, clean, healthy stock, well-rooted, $1.00 per 100, by mail.

We have **Cut Flowers** from **Duke of York,** on stiff stems, 3 ft., 3 in., flowers measuring 3½ in. across.

E. J. CLOUD, L. B. 32, **Avondale, Pa.**
Mention the Florists' Exchange when writing.

Unequaled Varieties VERBENAS Vigorous Stock.

		100	1000
Best Mammoths,	strong pot plants	$3.00	$25.00
" "	rooted cuttings	1 00	8.00
Older "	"	.75	6.00
" "	stroog pot plants	2.50	20.00

ROOTED CUTTINGS CARNATIONS VIGOROUS STOCK
General Maceo, G. H. Crane, $6.00 per 100 $50.00 per 1000.
America, Melba, Gen. Gomez, Mrs. G. M. Bradt, 75c. per doz.; $5.00 per 100; $40.00 per 1000.
White Cloud, Gold Nugget, $1.00 per 100; $30.00 per 1000.
Bon Ton, New York, Jubilee, Frances Joost, $2 50 per 100; $20.00 per 1000.
Armazindy, Flora Hill, Eldorado, Daybreak, Jahn's Scarlet, Sea Shell, Victor, $2.00 per 100; $15.00 per 1000.
Alaska, Lizzie McGowan, Wm. Scott, Portia, $1.50 per 100; $12.00 per 1000.

Rooted CHRYSANTHEMUMS Cuttings
Send for list of **90 best Varieties.**

CYCLAMEN GIGANTEUM.
From 3 inch pots, in bud, $8.00 per 100
" 3½ " " 10.00 "

Strong Tubers CANNAS DORMANT.
Alphonse Bouvier, Florence Vaughan, Doyen J. Sisley, F. R. Pierson, Italia, Burbank, Souv. de A. Crozy, John White, Pierson's Premier, Comte de Bouchard, Papa, Pres. McKinley, $3 00 per 100; $25.00 per 1000.
Chas. Henderson, Paul Marquant, Paul Bruant, Austria, Thos. S. Ware, Creole, $2.50 per 100; $20.00 per 1000.

ROSES.
Bridesmaid, Bon Silene, Catherine Mermet, Duchess of Albany, Golden Gate, La France, Maid of Honor, Nipheton, Perle des Jardins, Pres. Carnot, Sunset, The Bride, Wootton, from 2¼ in. pots, $5.00 per 100, $40.00 per 1000.

MISCELLANEOUS.

	100	1000
Anthemis, Double Golden Marguerite	$2.00	
Ageratum, blue and white	1.00	$8 00
" Princess Pauline	1.50	
Coleus, all leading sorts	1.00	8 00
Fuchsias, double and single	2.00	15.00
Feverfew	1.50	12.00
Heliotrope, light and dark	1.25	10.00
Impatiens Sultani	2.00	
Moon Vines, true	2.00	15.00
Salvias, Splendens and Bedman	1.25	10.00

TRADE LIST ON APPLICATION.
WOOD BROS., Fishkill, N. Y.
Mention the Florists' Exchange when writing.

MANETTI AND MULTIFLORA STOCK

Per 100, $1.00; per 1000, $8.00.

PALM SEEDS KENTIA BELMOREANA, per 100, 75 cents; per 1000, $4.50; per case of 350, $14.00

MONSTER BULBS Excelsior Dwarf Pearl TUBEROSES, 4½ 6 in., 8c., $1 00, 1000, $7 50, 10,000, lots more.

HARDY HOLLAND LOW-BUDDED ROSES Per 100, $10; per 1000, $75.

Send for Catalogue of Roses and Spring Flowering Bulbs.

C. H. JOOSTEN, Importer, 85 DEY ST., New York.

Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,

ROSES, PALMS, CROTONS,

...CARNATIONS..

and Novelties in Decorative Plants,

Market and 49th Sts., PHILADELPHIA, PA

Mention the Florists' Exchange when writing.

D. & C. ROSES

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" 5000 . . 9 00 "

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Strong branching plants well equipped with roots, best forcing and pot varieties, $6 per 100; $55 per 1000. In following varieties:—Golden Gate, Muriel, Graham, Mrs. Robert Garrett, Mosella, Burbank, C. Soupert, Gen. Jacq., Mme. Chas. Wood, Crimson Rambler, Magna Charta and Neyron.

	100	1000
Golden Gate, nice 2½ in.	$3.00	$25.00
Mrs. Robert Garrett, 2½ in.	3.50	30.00

50 other varieties. Send your list for prices.

Baby Primrose, 2½ in. in bloom	3.00	25.00
Asparagus Plumosus Nanus, 2½ in.	4.50	40.00
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Double Petunias (Mottled), 2½ in.	3.00	
Hardy White Pink, Her Majesty, 2½ in.	2.50	20.00

JOHN A. DOYLE CO., Springfield, Ohio.

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THIS WILL BE THE CRY WHEN THE PLANTS ARE ALL SOLD.

The demand for the **New Crimson-Scarlet Rose LIBERTY** has been so great that **OUR STOCK FOR MARCH DELIVERY IS ALL SOLD.** We are now booking for April, and as all orders are filled strictly in rotation, florists who have not as yet secured their stock should order at once.

OWN ROOT PLANTS, FROM 2½ INCH POTS.

50 Plants or more and less than 100, 30c. each
100 Plants and up to 1000 . . . . . 25c. each
1000 Plants and over . . . . . $200.00 per 1000
3 inch pot plants, 5c. each additional.

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50 Plants or more and less than 100, 50c. each
100 Plants and up to 1000 . . . . . 40c. each
1000 Plants or more . . . . . $350.00 per 1000
3 inch pot plants, 5c. each additional.

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	12	100
Hermosa, 1st size	$2 00	$12 00
Hermosa, 2d size	1 25	8 00
Mosella, (Yellow Soupert)	2 00	15 00
Souvenir d'un Ami	$2 50	$18 00
Clothilde Soupert	2 00	15 00

For Rhododendrons, Azaleas, H. P. Roses, Crimson Ramblers, Spring Bulbs, and Japan Ball Ferns, refer to Feb. 3d of *Florists' Exchange*, page 101.

BOBBINK & ATKINS, RUTHERFORD, N. J.

Nurseries and Cellars at Carlton Hill, N. J.

Mention the Florists' Exchange when writing.

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For Immediate Delivery.

IRISH AND ENGLISH Grown and in fine condition for inside grafting.

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Roses, Clematis, Rhododendrons, Etc.

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Strong Two Year, Field Grown.

Crimson Rambler, 4 to 5 feet canes, $15. 2d size, 2 to 3 feet canes, $8 per 100.
Yellow Rambler, $8 per 100.
Hybrid Perpetual, in fine assortment $10 per 100.
Wichuraiana, Japan Creeping Rose, $5 per 100.
Wichuraiana Hybrids, 4 varieties, $8 per 100.
Tree Roses, fine heads, $30 per 100.
Liberty, New Red Forcing Rose, from 2½ in. pots, 12 plants at 50c. each; 25 at 50c. each; 50 at 3c. each: 100 at 25c. each.
General Assortment of Everblooming Roses, from 2½ in. pots $3 per 100; $25 per 1000.

CARNATIONS.

Rooted Cuttings.

Mrs. Thomas Lawson	$14 per 100.
The Marquis	$10 "
Ethel Crocker	$10 "
Olympia	$12 "

Rhododendrons. Large stock of best hardy varieties, 15 in. to 2 ft. high, clean, bright foliage and well set with buds, $45 to $150 per 100.

Azalea Mollis. Strong bushy plants well set with flower buds, $35 per 100.

Hydrangea Paniculata Grandiflora. 2½ to 3 feet $10 a 100. Tree form, 4 to 5 ft., $25 a 100.

Fruit and Ornamental Trees, Shrubs, Etc., in large assortment.

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OUR BRIDES and HENRIETTES we might term "fancy" stock. Bride will run close to two feet, which is prime for that sort. Henriette, heavy, running two to three feet. Most Teas and H. T's will run close to two feet, some sorts even larger, while a few of the poorest growing sorts will not run much over one foot. The Hybrids will of course average up heavier than tender varieties, all being very fine. Leading sorts we can do in quantity, being especially heavy on such as Bride, Henriette, La France, Bon Silene, Brabant Soupert, Devoniensis, Safrano, Wootton, Carnot, White Rambler, etc. La France in grades from 7 to 9 cts.; the 7-cent grade being about 12 to 15 inches high, and woody.

An average assortment of these ROSES will weigh in neighborhood of 300 pounds to the 100 plants, packed light, not including weight of packing case, while a selection of all heavy sorts will weigh more. This stock is freshly dug, grown in our virgin soil of Southern California, free from disease and insects, and will give you and your trade satisfaction. We have sold thirty thousand roses during the past sixty days, but have twenty-five thousand more which must be sold—hence, extremely low prices appended.

Prices will apply to not less than 10 of a variety, properly packed, f. o. b. Los Angeles.

$7.00 per 100—Bon Silene, Dio more, Duch. de Brabant, Duch. of Albany (rather light), Fr. Kruger, La France, Lady Pezzaace, Lord Pezzaace, Marie Ducher, Mogoubette, Mme. G. Fruaat, Marie Lambert, Mme. Bravy, Parquerette, Reichow, Souv de Wootton, Wabash, White Bath, White Rambler, Devoniensis.

$7.50 per 100—Alf. Colomb, Clo. Soupert, Coq de Lyon, Earl of Dufferin, Empress of China, Dr. Grill, Fisher Holmes, Homer, La France, Bar. de Rothschild, Belle Siebrecht, Bride, Beauty of Glazenwood, Capt. Christy, Crimson Rambler, Gen Jack, Gen. Washington, Hermosa, Jules Finger, John Hopper, Jas. Sabonnand, La Reine, L. Y Houtte, M. P. Wilder, Marg. Dickson, Mrs. J. Laing, Paul Neyron, Prince Camille de Rohan, R. M. Henriette, Safrano, Pres. Carnot, Folkstone, White La France.

$9.00 per 100—La France, Malmaison, Ulrich Brunner.

$10 00 per 100—Isabelle Sprunt, Cath Mermet, Cecile Brunner, Duch of Albany xxx, Etoile de Lyon, Dijon, Magna Charta, Mme Watteville, Papa Gontier, Perle, White La France xxx, Yellow Rambler.

$15.00 per 100—Cloth of Gold, Climbing Wootton, Climbing Safrano, Kaiserin, Testout, Mrs Rob. Garrett, Princess Beatrice, Gen. Robt. E. Lee.

$25.00 per 100—Climbing Kaiserin, Mamau Cochet xxx

JAPANESE IRIS **$7.00 per 100.** These are grown from plants of our own importation, and comprise the best named varieties grown in Yokohama; they are field-grown and well rooted

OWN ROOT plants **LEAD.** The only place in U. S. where you can get good stock of own root, field-grown roses in variety, including tender sorts.

Shipments by freight must be prepaid here, and we require at least 25 per cent. cash with all orders; balance payable on arrival of stock. Less than five hundred plants, cash with order. A few hundred plants can be shipped by express, packed light, so that considering our extremely low prices, plants will not come high laid down at most any point.

Come at us quickly and make sure of 'em.

THE HOWLAND NURSERY CO., Los Angeles, Cal.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO., LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.

To foreign countries in postal union $2.00. Payable in advance. The date on the address label indicates when subscription expires.

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Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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We beg to acknowledge receipt, from the publishers, The Macmillan Company, New York, of a copy of the first volume of the Cyclopedia of American Horticulture, embracing the letters from A to D inclusive. A review of this very valuable work will appear later. The Cyclopedia will be issued in four volumes, the price of each being $5.

The Man With An Ad.

There's the man with the pick and the man with the hoe,
And the man with the horny spade,
But the man with the "ad," is the man ever glad,
For he collars his share of the trade.

There's the man with the frown, and the man with the sigh,
And the man of perpetual grief,
But just make up your mind that no man of that kind
In an "ad." has the slightest belief.

For the man of the East or the man of the West
With a smile and a face all aglow,
Is the man who has had, by the aid of an "ad,"
A trade that has brought in the dough.

—BOOT AND SHOE RECORDER.

Perfection Reached?

We have read Mr. Rudd's explanation of his amended rendering of Holy Writ and accept the amendment because he is the author it. We are, of course, not accountable for his inability to comprehend our meaning—others seem to have grasped it. After all is said and done we are still of the opinion that the scale of points of the American Carnation Society is "a standard to judge by," notwithstanding Mr. Rudd says "the scale of the American Carnation Society is not a standard to judge by—never was a standard to judge by—never will be. It is a numerical statement of the society's idea of the relative value of the attributes of the carnation (as what? A perfect flower, or an article of commerce?) and can only be used in estimating the total value of any flower by comparing that flower with some standard, either existing or ideal." But do not the points in the scale stand as the equivalent for that standard, either existing or ideal, and is not the value of the flower on which comparison is made judged by that standard? It may be that it is an undescribed or undefined standard to judge by, but we cannot see otherwise than that it is a standard.

In another portion of his communication appearing in our contemporary of February 17, in response to Mr. Bock's letter, Mr. Rudd registers "emphatic protest" against the use of the word *perfection*. That, of course, is his privilege. It seems to us, however, that the gentleman is confounding perfection with the highest attainment of cultural skill in the development of the flower. We should like to quote for his edification the following from the "Philosophy of Florists' Flowers," to show that there really does exist a degree of perfection so far as it is possible for mortal man to comprehend it. The author of the work referred to states:

"In every species of flower, even though we should never reach it in practice to see it, there certainly is an external standard of perfection; because care and cultivation uniformly develop certain qualities, differing in each species, which are only dimly, and perhaps not at all, seen in their wild or natural state."

It appears to us that the society's scale should aim to analyze the uniform qualities developed by care and cultivation each one of which should have an equal value, presenting as a completed whole "an external standard of perfection." That, however, does not seem to be the case. Irrespective of *perfection* in its truest meaning, the society, by its scale, separates the qualities of the carnation by certain relative divisions that will demonstrate which attributes are necessary to be developed in order that the flower, when put before the public, will appeal as a selling commodity to the public. This view of the situation we obtain from a careful reading of the discussion at Philadelphia when the scale of points, as it now stands, was formulated and adopted by the society. In that discussion occur such expressions as these: "If a lady walks into a greenhouse, or up to a counter, and she sees a beautiful color and it suits her, and it (the flower) is of a good fair size, that settles the matter. There is not one in a hundred that will ask whether the flower is fragrant, or investigate whether it is fragrant." If that be so, then we should have it understood that the analysis demonstrated by the scale shows the component parts, and their relative value of a *commercial variety* of *excellence only*, and such values liable to be altered by the caprice of fashion. Viewed in the latter light our ideals of perfection, external or otherwise, so far as that condition in the carnation as indicated by the Carnation Society's scale is concerned, are brushed aside.

Mr. Rudd asks as regards perfection in this discussion, "Who can tell the limit for size?" We are of opinion that grossness never yet formed "perfection" in anything, unless the ensemble were in complete symmetry, and a large bloom thus formed, while it may show a high degree of cultural skill in the attainment, has but the same status of perfection, artistically, as the small flower built equally symmetrically. It would seem that "perfection," as the society's scale measures it, is synonymous with grossness, length and thickness of stem, lack of fragrance, and any color that will sell. But is that perfection? It will be well, however, that the society make it clearly understood what is really meant by the acquisition of 100 points secured under its scale.

We believe that it is possible for a "perfect" flower to be described, so far as man is capable of comprehending it, just as it is possible to stipulate as to what constitutes a perfect man or animal. Judges of carnations must have had in their mind's eye an ideal of perfection in every case when seedlings seeking recognition were brought before them. It would be quite easy, then, for these gentlemen to describe, either by scientific rule or otherwise, the basis upon which their decisions were awarded. We hope they, individually, will do so.

But even after the various attributes have been defined, both scientifically, and, let us say, commercially, the factor of good taste still enters into the question. On this point we should like again to quote from the "Philosophy of Florists' Flowers," as follows: "When the rules of science have defined what is invariable and necessary, a large field will still remain open for individual taste to luxuriate in without reproach; limited, indeed, on all sides from transgressing its proper bounds, but within its ample space unfettered. This is the region of taste, to which belongs whatever is not claimed by the more rigid exactness of scientific rule. But beyond its legitimate sphere it can have no jurisdiction. Whatever nature (which is the law of our Maker) requires, taste cannot dispense with it as out of fashion; whatever it rejects, taste cannot patronize into a beauty. It may prefer color to color, at its pleasure, and dispute over the rival claims of its several favorites, which have naturally an equal claim to admiration; but it is out of place when it demands precedence for an angular over a flowing outline, or for a disproportionate or unmeaning shape over one of which every part has reference to the whole; nor ought it to be allowed to stamp a conventional value upon an incongruous assemblage of colors.

"A cultivated taste does not often err thus. And by a cultivated taste, I mean simply one that is conversant with a flower in its varieties, and takes an interest in their observation. It is curious to observe the fact a person rapidly acquires in discerning anything that is a natural defect, or the parent of a natural advantage, merely by frequent, unconscious comparison. And this is the origin of the agreement there is between florists in the 'points' of flowers. And the reason it is not more perfect is because the faculty is not equally cultivated in all, nor is it perfect in any."

We think the last paragraph furnishes a very good explanation of the judgment of the Chicago gentlemen, which has given rise to this interesting discussion.

Cut Flower Prices.

In our issue of February 17, page 164, we publish a communication from Frank P. Myers, Philadelphia, regarding cut flower prices. Mr. Myers' letter shows an unaccountable unfamiliarity with the workings of the cut flower market in this particular, and the purport of his averments appears to be to throw a suspicion of dishonesty on commission dealers in general and to accuse the trade papers, for the purposes of gain, of collusion in the wholesale men's alleged nefarious scheme in particular. This is a little rough, and so far as the latter inference is concerned has no foundation in fact. (We will let the commission man answer for himself if he think it necessary). Even Mr. Myers himself unconsciously helps us out of the fix into which he would so rashly plunge us. He says: "As I understand it, prices are intended as a guide for the storekeeper as well as the grower," and he intimates cases where he had to "reduce prices on the foundation of those quoted in the trade papers the previous week."

Now, supposing every purchaser of cut flowers assumed the position taken by the parties cited by Mr. Myers, and insisted that the (low) prices quoted in the trade papers should be held to be arbitrary values and compelled the wholesale man to sell at these as Mr. Myers' customers did him, presumably, how in the name of all that is beautiful could the commission man be "made happy" by such deals, seeing his income materializes from the prices he obtains for the stock he sells? The trade paper would, in such instances, prove very much of a foe rather than a friend or accomplice.

Another assertion of Mr. Myers that is untenable is the one wherein he asseverates that it is a question whether the trade papers, for an alleged mercenary purpose, have not helped to get prices of flowers down to "the starvation line." If Mr. Myers has been in the business long enough, he should know that the average prices of cut flowers are to-day higher than they were a decade ago, and that in spite of the disproportionate increase in the supply, as compared with the augmented demand in that time, his unfounded allegation to the contrary notwithstanding!

Our correspondent, in his zeal to secure redress for a supposed wrong, has allowed his common sense to run riot. He fails to grasp the fact that the trade papers do not make the market prices; that they simply record the values that are fixed by the men handling the commodities sold; that these values fluctuate daily, as do those of many other articles, and are regulated by the law of supply and demand.

In a previous issue we have defined our position and our aim in the matter, and to that we can add nothing more. It is unfortunate, of course, that Mr. Myers judges us so harshly; but that is often the reward of a good intention faithfully and conscientiously carried out. Were we to quote the prices daily, which by the way would be an utter impossibility, we could only present what our weekly report aims to and does convey—an idea, approximately, of how the market stood for the dates given; and because we do so that does not necessarily imply connivance with dishonesty for personal gain—an imputation, however, which we can afford to pass over with the contempt that it deserves.

And if we were interrogated on the subject we should answer without the least hesitation that we believe the trade press (and the commission men, too) do much more to "help the grower" than Mr. Myers seems inclined to admit, and that notwithstanding the imaginary shortcomings of each, related with so much acerbity by the Philadelphia gentleman.

The American Rose Society.

The completed schedule of premiums for the exhibition of the Rose Society to be held in Eden Musee, New York, March 27-29 next, is now ready, and should be distributed in a day or two. The number of special premiums has been greatly augmented by cups and cash prizes, many of the local horticultural societies making contributions of premiums. The event is being most favorably received in fashionable circles in New York City, and a number of distinguished visitors to the exhibition is already assured. There is every likelihood of a first-rate display.

The schedule will be sent to those making application to the secretary, Leonard Barron, 136 Liberty street, New York City. Members' tickets for admission to the exhibition have been distributed to all who have paid their dues.

The annual general meeting of the society will be held in the Fifth Avenue Hotel, Fifth avenue and Twenty-third street, New York City, on March 28, 1900, the chair to be taken at 2 o'clock p. m. Officers will be elected, meeting place for next year considered, and other business transacted. Professor Byron D. Halsted will lecture on "Some Diseases of the Rose."

The Pan-American Exposition.

The announcement of the appointment of William Scott, of Buffalo, as assistant superintendent of horticulture, with immediate charge of the floricultural department of the Pan-American Exposition, 1901, will be received with pleasure by Mr. Scott's numerous friends in the trade. We would bespeak for Mr. Scott that assistance in the way of trade firms making exhibits, to which he himself and the importance of the occasion is entitled and demands; in other words, do all you can to enable Mr. Scott to keep his end up, which he undoubtedly can and will do with proper encouragement afforded.

Symbiosis of the Heather.

In the bright Autumn days the Scottish moorlands are covered from end to end with crimson heather in full bloom. The heather is one of the hardiest of plants, and is so well adapted to its growing place that we cannot imagine the moorlands without it. It looks as if it belonged to the bleak, mist-drenched soil and grew out of it of its own accord. We naturally suppose that each heather bush of the myriads upon which we gaze supports itself by means of its own roots, taking out of the brown peat by their own vital powers, in the exercise of their own special functions, the nourishment which it needs. Of all plants, the heather, we should suppose, would be the most independent and self-sustaining, growing as it does so luxuriantly in such desolate situations. But science tells us that this is not the case. The heather is rooted not in the dead peat, but in the living mycelial material in which its rootlets are wrapped up. It cannot nourish itself, but must be nourished by a foster-parent, so to speak, which prepares its food for it, and reduces the peat on which it grows to a condition which it is able to absorb and circulate as food throughout its system. If you dig up carefully a heather bush by the roots and examine the finer fibres at the end of these roots, you will find that they are covered with a thin, whitish mantle or cobweb of delicate threads. This is not a part of the roots; it does not belong to the heather at all. It is a separate living plant growing on the heather roots—the spawn of a minute fungus. It is found upon every heather bush, and spreads from root to root, causing all the wide acres of bright moorland vegetation to flourish from year to year by its living action. The connection between these two organisms is not only of the closest character; it is also life-long. When once the partnership is formed it continues uninterruptedly as long as they both exist. As the roots grow and spread, the spawn of the fungus grows and spreads with them. Were this living fungous growth to be taken away from the roots of the heather, the bush, even if supplied with every other requisite, growing in its own proper soil and furnished with its own suitable food, would soon wither and die. And the true secret of the failure, which so often attends the transplanting of heather, is, that in the process this fungous growth is torn away from the roots, and it takes some time to form a new growth of it in the new soil, while in the meantime the heather, bereft of its accustomed partner, languishes and dies. The first Scottish emigrants to Canada took with them some heather bushes to plant in the new country in order to remind them of the dear old Highland home. But they did not know that they had broken off the strange association of the heather plants with their fungoid friends in their native peat mould; and therefore the experiment necessarily proved abortive, and the poor Highlanders had to weep over the sad failure, naturally attributing it to a sentimental cause.—Rev. Dr. Hugh MacMillan, F. R. S. E., in The Quiver.

The Rev. Hugh MacMillan states that the roots of a fungus prepares food for the heather, and that the heather roots furnish dead material as food for the fungus. I am asked whether this view is sound. It has been found that many plants do live in companionship in this way, and the term symbiosis has been coined to represent the phenomena. But I have not heard that the heather is one of this class. The article, on the whole, is written very intelligently, and seems to have been founded on well-recorded facts. On my grounds the heather thrives as in its native wilds, but I have never suspected it of this habit. When the frosts of Winter have passed, I shall have pleasure in examining the roots.

THOMAS MEEHAN.

We are in receipt of the first number of our Canadian contemporary, "The Canadian Gardeners and Florists' Exchange," published in London, Ont. The ambition of the paper as outlined is "to grow not only in size and circulation, but also in usefulness, and to become an indispensable adjunct to the Canadian trade." The first issue gives evidence that no effort is being spared toward the attainment of this ideal. It carries a very representative showing of advertisements, and the reading matter is bright, newsy and up-to-date. We wish the new-comer every success.

BOOKS RECEIVED.

BOTANY, THE STORY OF PLANT LIFE. By Julia Mac Nair Wright. Publishers The Penn Publishing Company, Philadelphia. Cloth 50c.—The author has divided her book into twelve chapters, the title and subject matter of which is made to fit each month of the year. Every chapter contains in itself a "Story of Plant Life," plain, charmingly told, and easily understood. The work is designed for general reading, but also serves a useful purpose as a text book on the subject upon which it treats.

FLOWERS AND HOW TO GROW THEM. Eben E. Rexford. Publishers The Penn Publishing Company, Philadelphia. Price 50c.—This little work, intended for the amateur, gives some very good instruction regarding the selection of plants for the house, and how to care for them.

PAMPHLETS RECEIVED.

VEST POCKET GUIDE TO CULTURE OF FLOWERS, W. Atlee Burpee & Co., Philadelphia, Publishers.—A very serviceable booklet, giving cultural directions for the most popular flowers, together with planting tables for the Spring months.

A HAND-BOOK OF LOUISIANA, issued by the Louisiana State Board of Agriculture and Immigration.—This pamphlet, for a copy of which we are indebted to Harry Papworth, of New Orleans, gives some interesting facts relative to the geographical and agricultural features of the state, together with the crops that can be grown. Copies of the book may be had from Professor W. C. Stubbs, Louisiana State Experiment Station, applicants inclosing a 2-cent stamp.

FLOWER FANCIES, a 32 pp. booklet, issued by the Booklet Publicity Co., 208 Summer street, Boston.—Here is a taking brochure which retail florists could well use as an advertising medium, it having been prepared specially for that purpose. For prices in quantities, terms, etc., address as above.

Two very useful pamphlets, by Warren H. Manning, secretary of The American Park and Outdoor Art Association, have just appeared. One is entitled "A Handbook for Planning and Planting Home Grounds," the object of which is to induce people to study and plan the arrangement of their home grounds, however small these may be. The pamphlet gives many serviceable hints as to how the work can best be done, and furnishes a classified and descriptive list of subjects to be used, and which are best adapted to the purpose in view. The other pamphlet is entitled "Directions for Surveying and Arranging Home and School Grounds." The known ability of the author is a guarantee of the soundness of the instruction conveyed. The pamphlet contains many helpful illustrations.

Among the Magazines.

THE FORUM for March contains its usual array of timely and interesting articles. No dull contribution graces its pages. Among the 12 papers to be found in this number are "Government Deposits in Banks," by George E. Roberts, director of the United States Mint. Mr. Henry O. Dwight discusses "Our Mohammedan Wards;" George F. Becker, United States Geologist, portrays "Rights and Wrongs in South Africa;" F. Cunliffe-Owen writes entertainingly of "Englishmen in the United States;" William Ordway Partridge, the celebrated sculptor-author, contributes an article on "The True Relation of Sculpture to Architecture;" Ho Yow, Chinese Consul-General to the United States, gives his views concerning "Western Benefits Through China's Development," and Prof. W. P. Trent furnishes a review of "Mr. Stephen Phillips's Play."

GOOD HOUSEKEEPING for March presents a choice variety of contents. "Talks with Fathers and Mothers" is the caption of a new and important department by Margaret E. Sangster, whose pronounced opinions regarding parental duty are freely and convincingly expressed, and there are many other articles of interest to the housekeeper. A new feature in this magazine is the illustrating in half tone a number of fancy dishes, with full description how to prepare them, while there is the usual wealth of brief articles, departments, original verse, and sound editorial comment on vital topics of the day. The magazine is worthy of the careful reading of all who aspire to the best in home life. $1 a year; single copies 10 cents. George D. Chamberlain, publisher, Springfield, Mass.

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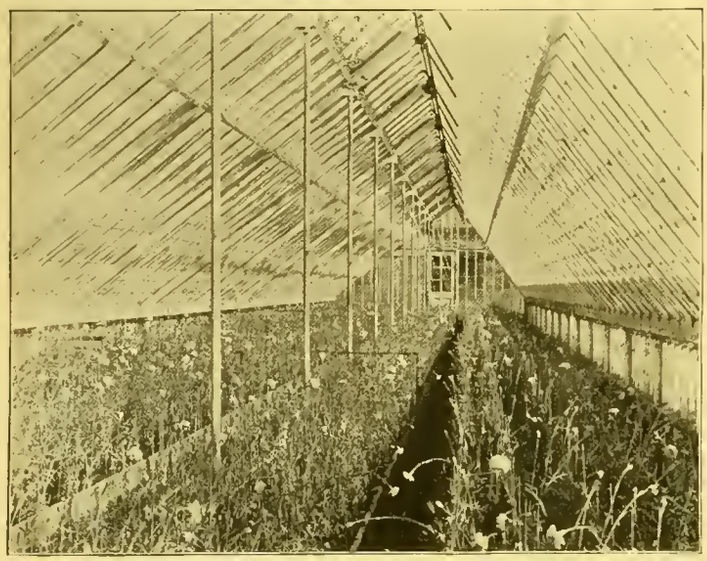
HINTS and HELPS.

Trillium grandiflorum being offered at $8 per 1,000 presents a good opportunity for this beautiful native being given a test for forcing. The bulbs should have been prepared for forcing some time ago, but it is not too late yet if they are in anything like good condition. But even if it is too late for this season, the plants will keep in the pots during the Summer and be all the better for it next year. Trillium grandiflorum has the largest and showiest flowers of the family, being pure white; those of T. stylosum are smaller and tinged with bright pink when they get well developed.

Two Good Calceolarias.—Where an easily got up plant is wanted to make a display in Winter, few things are better than Calceolaria scabiosæfolia and C. pinnatifida. They are not miffy by any means. Seed may be sown at any time of the year and in less than three months' time we have bushy plants from 2 to 3 feet high covered with light yellow flowers. The pouches of C. scabiosæfolia are longer than they are broad, and in C. pinnatifida the reverse is the case. They have, of course, much smaller flowers than those of the common greenhouse calceolarias, but the number is much greater and the colors of the flowers and foliage harmonize well. One thing must be kept in mind: they must be kept growing right along from the seedling stage to the fully developed specimen 2 or 3 feet high. They will flower themselves to death in a 2-inch pot if not shifted on. Very rich, sandy loam, and the coolest house suits them. They both set seed very freely.

Fern Balls.—It is said these are made up of several species of davallia, such as D. Mariesii and D. bullata. I have, however, only seen one species of davallia in them, and that is D. Mariesii; there may be other species, but this is not likely when the supply of rhizomes of D. Mariesii is plentiful. The latter is deciduous, losing its foliage in the Fall of the year and lending itself well to the fern ball idea. D. bullata is evergreen; furthermore, the fronds are not produced on the evergreen species until the rhizomes are well developed, several of the species forming rhizomes several inches long before the fronds start growing. D. Mariesii, on the other hand, keeps on developing fronds along with the growth of the rhizomes, so that we see them during the growing season furnished with fronds almost to the point. In the Fall of the year, when the foliage begins to turn brown, the water supply should be curtailed and the plants given a period of rest until February, when an increase of temperature and water may be given to start the foliage. Odd effect may be obtained with these structures, especially with those which are round and flattened, by stringing three or four on a wire stake, after the manner of Japanese gongs, and hanging to the roof of the greenhouse.

Asparagus Sprengeri set seeds so freely, and they germinate so well that there is little need of dividing the old plants to get up a supply, especially for pot or basket plants. This species is extremely useful in a variety of ways, even in 2-inch pots; it comes in well for mixing with ferns in small pans, or it may be used for providing the green where Caladium argyrites, peperomia and other variegated foliage plants are employed in filling dishes for temporary use. For these purposes A. Sprengeri may be employed over and over again, as it takes little hurt from frequent handling.



House of Daybreak Carnation at S J Reuter's, Westerly, R. I.

Cyclamen Seeds in the process of germinating, if sown thickly, are apt to disturb the surface soil when the first leaves are being developed, therefore sprinkle a little finely sifted soil among the seedlings to fill up any irregularities on the soil in which rootlets and the small bulb-like formation may be exposed. It will be noticed that the swollen root stocks are formed before any of the leaves make their appearance, even before the first leaf is free from the seed. Belonging to the primrose family one would expect an entirely different method of germination. It is a question with some which is the best method of procedure—to prick off the seedlings into boxes, or directly into pots. If the seedlings can be kept in a uniformly moist condition, that is, neither too wet nor too dry, there is no question about the pot method being the best for the preservation of the roots. A first-class plan which I saw adopted last season, consists of having a suspended shelf about a foot from the glass. The part on which to stand the pots has a piece of wood nailed on each side, high enough so that the shelf will hold about two inches of cocoanut fiber. The pots are pressed into the fiber when arranging them on the shelf with a side motion, which presses the fiber against the ones in place and at the same time makes room for itself among the fiber. The fiber helps to keep up an equal state of moisture and temperature for the roots of the plants.

Alternantheras, old plants, which were lifted in the Fall for propagating purposes, cut back and boxed, should now be fixed up. The boxes should be placed where the plants will get an abundance of light and heat. Some very sandy soil should be thrown among the crowns to induce the plants to throw out roots previous to division. After dividing the pieces may be put in 2 or 2½-inch pots, and treated similarly to cuttings. This is a much better method of getting up large quantities of the dwarf-growing varieties of alternanthera than from cuttings.

Cuttings of such plants as alyssum, ageratum, heliotrope and double petunias may be put in now, as bench space will admit. When quick propagation is necessary in order to get up a large stock in a short space of time, the back and front boards of the propagating bench may be heightened above the sand about six inches, and panes of glass stretched across above the cuttings; or, better still, sash may be made for the purpose and hinged at the back. In this way, by keeping up a humid atmosphere among the leaves, and a fairly good bottom heat, cuttings will root much quicker than when on the open bench.

Mignonette.—When the seeds of this plant are sown in thumb pots and left to develop instead of using the pricking-off process, the pots should not be left undrained just because they happen to be small. Put some finely broken pots in the bottom or some substance which will drain the surplus water quickly from the ball. In sowing, fill the pot only partly with soil, as the seedlings will have long stems to them. The further from the glass the longer the stem. After they are germinated, and the first leaf has been made after those of the cotyledons have fully developed, add a little soil around the necks of the seedlings to keep them secure in the soil, so that they will not be liable to be twisted around every time they are watered.

Azalea Buds.—Plants of the Indian azalea put in to force will sometimes push out the foliage buds at first instead of those of the flowers, and sometimes they will start simultaneously. If allowed to go on, the foliage buds will rob the flower of some of the sustenance intended for it, and weak, undeveloped, or fewer flowers will result. These foliage buds should be carefully removed as soon as they can be got at.

The Tuberous-Rooted Ipomœas, such as I. paniculata, I. scabra and I. Hardingei, which are intended to be planted out for the decoration of the home ground and for the production of seed, should be started shortly. This treatment is meant for the very large tubers. These may be placed in shallow boxes and given a position in the carnation house, where they are allowed to make the long, wiry shoots. As these shoots are produced almost without leaves, they do not interfere with the welfare of the carnations.

Aralia papyrifera is superior to the castor bean for bold foliage effects, growing not quite so tall and more bushy than any of the species and varieties of Ricinus. It is also hardy in many places, coming up year after year and forming colonies when thoroughly established. It is hardy south of Philadelphia and will stand out much further north if the crowns are protected with litter. To propagate, dig up the root, cut both large and small into pieces about two inches long, and put in boxes of sandy soil. As soon as the sprouts are of sufficient length they may be put each in a 3-inch pots, when at the end of three months they will be sufficiently well established to be planted out.

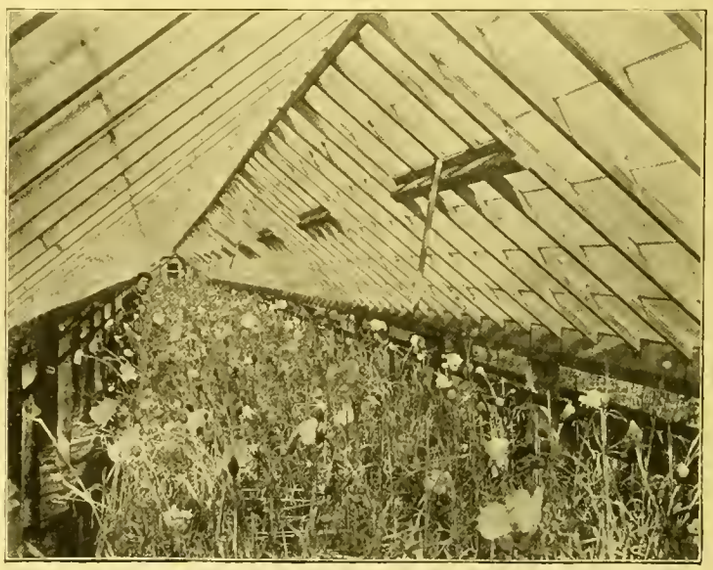
The Sedums or stonecrops are among the toughest subjects handled by the plant grower. Rain or shine, frost or snow, seems alike to them. On a well prepared border, or among rocks, where other things would die, they thrive luxuriantly. Any of the free-growing kinds are useful for furnishing a carpet of green in varying shades among the dwarfer-growing herbaceous plants, keeping the soil open and robbing them of little or no moisture. For increasing the stock of the rarer kinds fill boxes with loam and sand, not too firm, and pull the plants into pieces of three or more growths; make a hold with the end of the forefinger, putting the pieces in by their bases, firming around them. Put in a sunny, cool house and water only sparingly.

Bougainvillea Cuttings.—Plants which have been in the forcing house for some time will be sending out many shoots which do not have any prospects of being furnished with bloom, and by their removal the plant will be benefited all the more. These shoots make very good material for cuttings to supply small plants for next season's use. They had better not be put in a close frame, as they take their own time in rooting and are rather liable during that period to the damping-off process. Shade the cuttings when necessary, to keep them from wilting.

G. W. O.

BRIEFS FOR BUSY FLORISTS.

LILIES will need watching, and probably changing over a little to have the most of them in flower at Easter time. Longiflorums that are just showing the buds nicely will be about right, and will come along without any hard forcing. Those that are not yet showing buds will need all the heat they can get to have them in flower on time. Harrisii lilies are proving a greater dissappointment than they did last year even; fully 50 per cent. of the bulbs seem to have produced plants that are diseased and practically worthless. Japan longiflorums, however, so far, are giving the best of satisfaction, and the difference in cost of the two is a mere nothing as compared with the difference in the results obtained. When the buds are just beginning to show on the lilies, then is the time to look after the green fly. Whatever the method used to keep these pests down, do it persistently about this period; then, after the buds are large enough to stand away from the foliage, the rest will be easy, the force of every syringing tending greatly to keep the fly down.



House of Carnation White Cloud, grown by S. J. Reuter, Westerly, R. I.

POINSETTIAS that were put away to dry down at New Year's time may be taken and cut into suitable lengths and rooted, leaving two eyes on each piece. Although this can be done at a later period the bottom heat that is available at this time makes the rooting process much more certain. The old plants may be kept over if desired and planted outdoors when the weather is warm enough, when a crop of cuttings may be afterward taken that will make short, stocky plants, suitable for using several together in one pot or pan.

ALTERNANTHERAS that have been kept in flats through the Winter should be

potted up at the earliest convenience and given a good light position—as near the glass as possible. If stock is at all short they should be induced to grow as rapidly as possible by gentle forcing, so as to produce a crop of cuttings that can be rooted before the time for Summer planting arrives.

THE PROPAGATING BENCH must be kept busy from now on. Iresines, or achyranthes as they are called, acalyphas, salvias, coleus, and all such soft bedding plants, should be got in without delay.

SEEDS OF ANNUALS for early planting, such as asters, stocks, zinnias, celosias and phlox, may be sown this week, though the main batch should not go in for a couple of weeks yet.

CHARGES FOR PACKING.

As the values on everything have gone up we think a charge for boxes and packing should be made, at the rate of 25c. each, and we are in favor of this.

THE MORRIS FLORAL CO.

We believe that if the rule could be established between the principal shippers, a charge for box and packing would be both fair and proper. We believe the charge should be actual cost of material and time used.

THE GEO. WITTBOLD CO.

In regard to charging for packing palms and other plants I never charge, and do not think it right or fair to do so. I make a price on plants that includes packing and delivering to express or freight office, then the buyer knows what he is paying. I cannot see the advantage of making a low price on plants, then adding to it by charging for packing. Make a price that covers all such every time. W. J. HESSER.

In reference to the article of W. H. Taplin, on page 133 of the FLORISTS' EXCHANGE of February 10, I would say, that we think it but right that the charge for packing should be paid by the purchaser, and have considered this matter many times, although we advertise packing free. Our packing, including boxing, cotton and paper, costs us more than our coal bill, which, as every one knows, is a big item. Our packing costs us about 5 per cent. of our sales.

J. L. DILLON.

We do not hesitate to say there should be a charge on packing—and not less than 5 per cent. of the invoice in ordinary florist and nursery stock. It is a custom among nurserymen to charge for packing. Why should the same not exist among florists? We pay out large amounts for packing on goods received and at the same time are compelled to purchase packing material to ship goods to our customers who, we trust, will eventually appreciate the situation and share our opinion, and at least a portion of the expense. F. L. ATKINS.
Of Bobbink & Atkins.

Referring to Mr. W. H. Taplin's article on page 133 of the EXCHANGE of February 10, we must admit that the cost of lumber for boxes, etc., is a serious item of expense to us, but as the great majority of growers continue to advertise "packing cases free of cost to purchaser," we do likewise. We believe that a nominal charge should be made for packing; but wishing for such a charge and having it are two separate items. So long as there are some growers who are thoroughly willing to furnish cases free, the others will have to follow. It is a part of the competition of trade, and we accept it as a matter of course. This question will probably adjust itself in due season. H. WEBER & SON.

We certainly think that wholesale men are entitled to charge for packing plants and other stock sent to florists, which is a very heavy expense to all wholesale men. We do not see how anybody could say in advance just what the charge would be, as it will vary according to the quantity of goods and character of the order. However, we doubt if it would be possible to make such a change. Florists' goods have been packed free for so many years that it would be next to impossible to bring about such a charge for packing plants, unless the entire wholesale trade would agree to it and stick to it, and we fear the latter would be impossible.

THE STORRS & HARRISON CO.

It is my opinion that it would be proper and right to charge actual cost of packing, now that plants, as a general rule, are sold so cheap; and first-class plants which, of course, bring a better price, require so much more careful handling and packing. I think it is in the interest of the buyer to have his plants properly packed, and I can see no reason why he should not be willing to pay actual cost for it. Furthermore, it requires a trained, and consequently more expensive, man to properly select and pack the plants; and, of course, the material for boxes, etc., cannot be gotten for nothing. I think a charge of 10 per cent. of the price of the plants ordered would be about right. N. STUDER.

In our business we have never made any charge for packages and packing in any way, shape or form, for one or two particular reasons:

In the first place we think it is antique and out of date, and we have on several occasions felt like returning the goods to the parties, especially when packed in green, heavy lumber, as good kindling is cheap in our section of the country. In the second place we advertise for cash, and the party purchasing sends just money enough to cover the price of the goods wanted. Your charge for packing is sent along; there is an account on your books, then that is apt to stay there in some cases for a long time with some parties. In the third place we think that if a seller wants to be up-to-date he ought to figure the cost of packing in the prices of goods offered, then the purchaser knows just what the goods will cost him at the shipping point.

RICHARD VINCENT, JR.

In regard to packing plants and charging for same, I hardly think it would be wise as the competition is too great in this country. In Europe they charge for packing, and if they do not the price is put on the plants; and if the plants cannot be sold here they can be there, especially azaleas and palms. The plants we raise here we have to sell here, as very few go to Europe. I know it is outrageous and expensive to pay for packing and pay duty also on the box, and it would be well for the Society of American Florists to look into this matter, as I have heard them calling for protection. They thought they could raise the azaleas and the bulbs here, as they had the soil, but they omitted to state that the climate would have to be imported to do so; and the very persons that stood up for protection then do not now want it, as they had to pay 140 per cent. duty on glass and 25 per cent. on articles imported this present day, whether these can be raised in this country or not.

WM. A. BOCK.

We would think it most desirable if nurserymen and plant growers could agree to do away entirely with the custom of making extra charges for boxes and packing, but unless it can be universally agreed upon it is difficult for any one firm to take the initiative, for the reason that in considering and comparing prices a purchaser scarcely ever takes into consideration the cost of packing, and the firm who makes quotations inclusive of all packing charges is therefore at a disadvantage. It would be especially desirable if this custom of making an extra charge for boxes could be done away with among nurserymen, for upon some of the more bulky kinds of trees and shrubs, the cost of packing is often equal to a very high percentage of the cost of the stock itself and sometimes even equalling same. It is absolutely impossible for one to make a close estimate upon a bill of stock which includes goods that he is able to purchase elsewhere, even though he may be provided with a good assortment of price lists from other growers, for until the stock is packed and the bill for boxes ascertained, one cannot tell at all closely what is to be the actual cost of the stock.

JACKSON & PERKINS CO.

Mr. Taplin's article in regard to shippers of plants making a charge for packing is one that requires the attention of all plant growers. Either the prices of trees and plants must be advanced sufficiently to cover the cost of packing material, or first cost of same should be charged. Mr. Taplin states that many of our European friends are experts at packing plants for export, which is in the main true; but their charges are frequently beyond reason. Labor for packing should not be charged, but first cost of material should in every instance be added to the invoice. For instance, many small orders are received by all nurserymen who grow both greenhouse plants and fruit trees, necessitating frequently a box which will cost from 50c. to 75c. for an order that will net less than $5 in the aggregate. In this instance the cost of packing is often more than 10 per cent. of the price of the goods, taking into consideration that within the past six months the price of lumber has more than doubled. Rope, bagging, wire, nails, moss and every other material required for packing has advanced from 50 to 150 per cent. in value. Nurserymen frequently quote trees and plants at the nursery at a certain price. If a customer comes individually and carries off the stock without packing, he is charged the same price that another has to pay whose bill of trees and plants frequently entails an expenditure of a dollar for packing. This is onerous to the nurseryman. Let the man who buys his trees and carries them off himself be charged a certain price, but let the one who orders plants sent by freight also be charged the same price, but in addition at least for the first cost of the material required to prepare the trees and plants for careful carriage.

As to the schedule of prices for packing, this depends entirely upon the size of the package, and should be from 25c. to 50c. for small bales and boxes, up to $2 and $3 for the largest-sized packing cases for fruit trees and palms.

We have been large importers of European stock for more than 40 years past, and have never objected paying for packing when it was done in such a manner as to insure the good condition of plants in transit. On the other hand, we export perhaps as large a quantity of nursery stock to foreign countries as any other firm in America, and our customers never object paying a reasonable charge for careful packing.

P. J. BERCKMANS.



FIG. 1.—Appearance of Carnation Buds injured with Hydrocyanic Acid Gas two weeks after treatment. FIG. 2.—Size of injured buds at time of treatment.
FIG 3.—Size of uninjured buds at time of treatment.
[See Prof. Sirrine's paper, page 183, Feb. 24 issue.]

Prospect Park Greenhouses, Brooklyn.

There has just been added to the range of greenhouses in Prospect Park a new conservatory 50x100 feet, and 45 feet in height. Lord & Burnham had the building contract and they have made a perfect job, and turned over to the park authorities a conservatory that is a beauty and a pleasure to the men who have to operate it. Head Gardener Thomson is to be congratulated upon the quality of the large palms and other decorative plants with which the older houses were overcrowded. He was at once able to fill the new structure with large specimens in perfect health and vigor and numerous in variety. Through the center of the house a group of magnificent specimens of cycas are placed, among the largest being C. circinalis and C. revoluta. There are also many fine specimens of caryota and phœnix, together with latanias' kentias, seaforthias, pritchardias, etc., many of which did duty at the World's Fair in Chicago and are still as beautiful as ever.

In the show houses adjoining flowering plants hold full sway, cinerarias, azaleas, rhododendrons, acacias and genistias, all in full bloom, are a picture to look upon. Several plants of the Bird of Paradise (Strelitzia reginæ) are in full flower, some having as many as five or six spikes each.

In the houses devoted to the growing of the bedding plants for the park, everything is in good shape, reflecting great credit on the foreman, J. Whalley, and the staff of men under him.

At the meeting of the Central New York Horticultural Society, held at Syracuse, N. Y., February 27, Mary Rogers Miller, of Cornell University, delivered a lecture on the subject of "Nature Study."

The briskness in other lines of business, particularly iron, is making it hard for the florist to secure good help, the iron makers offering better inducements in the way of wages.

TOBACCO STEMS
"Good Strong Kind."
60 CTS. PER 100 LBS.
BALES WEIGH 500 LBS.
TOBACCO DUST
"THE BLACK STUFF."
Fine or Coarse to Your Order.
50 to 1000 lbs., 2 cents per pound.
H. A. STOOTHOFF,
116 WEST STREET, NEW YORK CITY.
Mention paper.

Tobacco-Whale Oil Soap for syringing for washing plants. We Know its Goodness. All Seedsmen Keep it

OBITUARY.

Elbert S. Carman.

Elbert S. Carman, formerly editor-in-chief of The Rural New-Yorker, died at his home in New York City, Wednesday morning, February 28, after a short illness, of pneumonia.

Mr. Carman was born in Hempstead, L. I., in 1838. His early education was obtained in a private school in Brooklyn and a boarding school in New Canaan, Conn. He entered Brown University in 1854. After graduating his first venture was in the wholesale woollen business as clerk for Abernethy & Co., in New York, with whom he remained eight years. During all this time he wrote for the daily papers and for such periodicals as Turf, Field and Farm, and Forest and Stream. Subsequently he took to horticultural writing. His articles were first written as a pastime and published by Moore's Rural New-Yorker. The editor recognizing merit in these productions made Mr. Carman associate editor, and finally, in 1876, the latter purchased the paper and the entire business. He changed its name to The Rural New-Yorker, and by years of faithful, hard work was largely instrumental in bringing it up to a standard of excellence that ranks it as one of the leading agricultural and horticultural authorities in America. During all his years of journalism he kept up the study of horticulture. One of his early acts was to acquire a small country place at East Rockaway, and subsequently at River Edge, N. J., where he built him a home, and there, on a few acres, made valuable progress in solving the questions of tillage, fertility and hybridizing, and improvment of varieties; and where nearly all of the recently introduced varieties of fruits, vegetables and flowering, ornamental and useful plants suitable to the climate were tested side by side with older sorts. The conclusions formed from these investigations were published in The Rural New-Yorker.

Mr. Carman was very successful in his attempts at hybridizing various plants, among them potato and wheat; also the blackberry and raspberry, having obtained several valuable results in each case. Particularly serviceable was his work in the hybridization of roses upon the Rosa rugosa, the best of the resulting kinds being roses Agnes Emily and Cerise Carman. His valuable paper on cross-breeding and hybridization, read before the Society of American Florists, at Boston, in 1890, will yet be fresh in the memories of many of our readers. Mr. Carman was also the author of some publications, among them "The New Potato Culture." He retired from The Rural New-Yorker last year.

For a man whose name was so constantly before the public the deceased was of a singularly retiring disposition, and he was seldom seen at meetings of agriculturists or exhibitions. His life was in his work and in his home, and it was only by contact with the man in his daily walk and work that one could learn the breadth and simple honesty of his character, his lack of ambition save to do good work, his indifference to public judgment on his acts, yet sensitiveness to criticism of his motives and the charity of his feelings toward rival workers.

Mr. Carman married in 1873 Miss Agnes E. M. Brown, daughter of Professor D. F. Brown, in whom he found a valuable helpmeet, who rendered him very material assistance in his various pursuits and contributed much toward his success and renown. His widow, with one son, Travers D. Carman, now a student at Princeton, and a daughter, Cerise, a senior at Barnard College, mourn his loss. The funeral took place on Friday.

Mrs. R. J. Mendenhall.

Mrs. R. J. Mendenhall, wife of the well-known Minneapolis florist, died recently at her home in that city, of pneumonia. Abby G. Mendenhall was the daughter of Captain Silas Swift, a merchant tailor of West Falmouth, and was born August 19, 1832. She was married to R. J. Mendenhall, of North Carolina, February 11, 1858, and in April the young couple came to Minneapolis. From the pioneer days Mrs. Mendenhall had always been a friend to those needing help. The Friends' Society of Minneapolis counted her as one of its efficient members, and she represented it at the national meetings on several occasions. Much sympathy is felt for the aged husband in his sad bereavement.

George H. Bender.

George H. Bender, a florist of Louisville, Ky., died suddenly at his home, February 24. The coroner pronounced death due to diabetes. Deceased was 48 years old.

New York.

The Market.

The Lenten season is here, and the flower market is already feeling some depression on account thereof. Whether the dullness will prevail right through to Easter remains to be seen; judging by the experience of the past year or two the slackness will be only temporary, and business will resume its normal condition in the course of a week or ten days.

The season, so far, has been satisfactory; prices of flowers of all sorts have kept up well, and the supply of higher grades of roses and carnations has not been in excess of the demand, except on one or two occasions. This week special Beauty, Bride and Bridesmaid have gone down a few points, but the demand is still large enough to use up the quantity coming in. For the top grade of Bridesmaid $12 per 100 ruled at the beginning of the week, but by Thursday this had settled down to $10.

Carnations remain almost stationary in values. There was an increased call for fancy Bradt Monday and Tuesday, and some close cutting had to be done to fill orders.

Washington's Birthday proved a good thing for the violet men, the day being mild made it possible for the street peddlers to use up the accumulation that had taken place. Since then, however, the weather has not been favorable, and at this writing there are many thousands of violets in the hands of the commmission men; and some sales have transpired at as low a figure as $10 per 1,000.

Bulbous flowers are not coming in quite as heavy as they did, still there are plenty to supply all wants. From the great differences in quality it would seem that the day is not far distant when the stock will have to be graded as fancies, extras, No. 1's and No. 2's, and so on. Romans can be had at from 75c. to $1.50; narcissus, $1 to $2; tulips, $2 to $4; lily of the valley, $1.25 to $3; Harrisii and longiflorum lilies, $8 to $12.

Smilax is somewhat scarce and prices have jumped upward, extra long strings fetching as high as 20c.

Cattleyas remain steady at 50c. Some dendrobiums are coming in that are cut with short stems; these find but a very meagre demand. There are few dendrobe growers that like to cut much wood away, however.

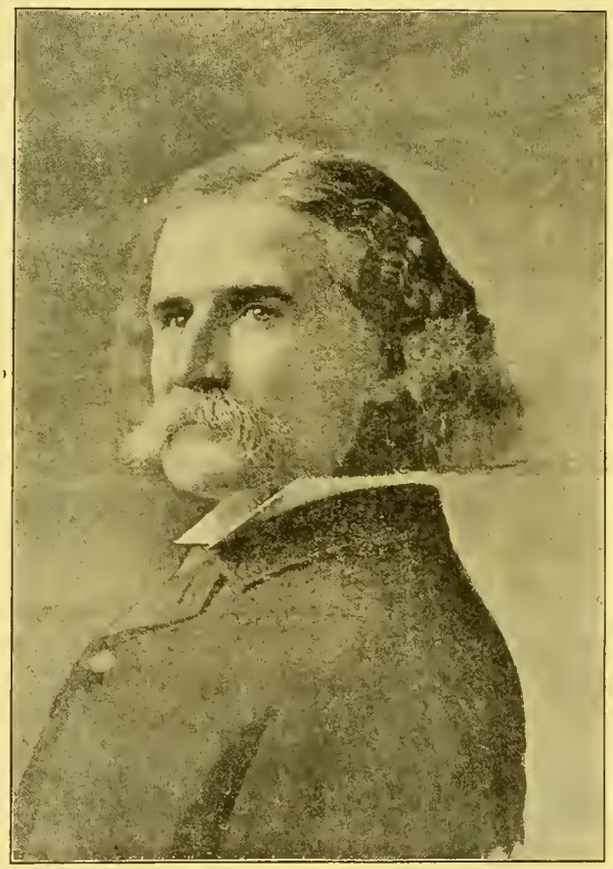
Among the Retailers.

A new retail store has been opened at the corner of 46th street and Fifth avenue. The style is Aldred & Co., the firm being composed of O. H. Aldred, M. F. Huss and E. W. Weimar. O. A. C. Oehmler, late with Z. D. Blackistone, of Washington, D. C., is manager.

The electric fountain and basin in Alex. McConnell's window has been especially effective this week, being surrounded with yellow tulips, daffodils and genistas, the whole having a Spring-like appearance.

Potted violets and Dutch hyacinths are a feature just now and fill the bill to perfection as Spring plants.

W. J. Brower says the blush seedling carnation of Dailledouze Bros. is the most perfect and wonderful carnation he has ever seen. This is the same variety that won the silver cup at Buffalo, and was exhibited as No. 3.



THE LATE ELBERT S. CARMAN.

Round About.

The new Botanical Museum in the Bronx Park will be completed and turned over to the city about the 10th inst. Early in April the Museum will be given by the city to the Botanical Society, which will at once fill it with a valuable collection and open the building to the public. Besides the Museum, the city has nearly finished for the society a large horticultural hall, and will build two greenhouses, which will cost about $40,000 each.

Gus. Bergman, one of John Young's employees, who has been seriously ill since Christmas, is again well enough to get outdoors, but will not be able to attend business for some time yet.

At the meeting of the New York Gardeners' Society, Monday evening, it was decided to hold their carnation show on the 27th inst. The location has not yet been decided upon. Unfortunately, the date conflicts with that of another exhibition, it being the first day of the show of the American Rose Society. Judging by past experience it does not seem that this city can give two flower exhibitions on the same day, and do them both full justice.

Thos. W. Weathered's Sons report an unprecedented busy season in prospective in the greenhouse building line. C. B. Weathered has returned from a successful tour in western New York, after taking in the Carnation Society's meeting in Buffalo.

Lehnig & Winnefeld, Hackensack, N. J., are, as usual, turning out some grand cyclamen plants. A recent production of theirs measured 42 inches across, and bore 181 open perfect flowers, netting the high price of $15. It was only one year from seed, and was in the condition named by January 15.

New York Market Florists' Association.

The first meeting of the season of this association will be held March 15. When a meeting place has been decided upon; notice will be mailed to the members.

A. D. ROSE, Secretary.
Montclair, N. J.

St. Louis.

Weather and Trade Notes.

We have had all kinds of weather the past week—rain, sunshine, cloudy, finally winding up in one of the worst blizzards of the season, with the thermometer down below 10 degrees, making it about the hardest spell of the Winter. So far we have not heard of any losses, but it is not improbable that some have occurred. The condition of the cut flower market is practically unchanged; not nearly enough stock is received to supply the demand, which has been very good. A few Beauty are coming in now and sell readily at $5 to $6 per dozen. Carnations still bring 2c. to 4c.; violets, $3 to $5 per 1,000; roses, 4c. to 10c.; Von Sion, Romans and narcissus at 3c.; Harrisii, 12c. to 15c. Smilax, same price.

A Euchre Party.

This took place on the evening of the 23d ulto., a very inclement one indeed. Still, a crowd of about 200 braved the elements and played for the 60 prizes donated by the florists. These prizes consisted of palms and boxes of cut flowers, ranging in value from a 25c. mignonette to a $5 palm. Azaleas and other blooming plants were also given. Under the excellent management of Messrs. Weber, Kunz and Beneke, the affair went off very smoothly; everybody had a good time and the prize winners were delighted, the ladies especially. The disappointed looks on the faces of the losers made us wish they could all have prizes. One curious feature was very noticeable, and that was the small attendance of the florists themselves. The crowd was made up of outsiders principally. Among the ladies present were Madames Weber, Young, Kunz, Beneke and Meinhardt. Miss Lulu Beneke entertained the company during the evening with select piano music.

Visitors.

Martin Reukauf, representing Bayersdorfer & Co., Philadelphia; Charles A. Stevens, manager for Geo. A. Kuhl, of Pekin, Ills. C. C. S.

Watertown, N. Y.

On the 9th, and also on the 13th ultimo, our fires in all the boilers were put out and remained so for about 10 hours, caused by the inadequate system of sewerage and the water backing up and coming above the fire pots. In order to maintain the fires for some time after we could start them we were obliged to have a force of men pumping. The loss to us has been very great, and in consequence thereof we have been unable to fill orders as we had expected to, as thousands of plants have damped of.

We shall, however, be in a position very soon to take care of all back orders and hope those who are waiting will be as charitable as possible.

GREENE & UNDERHILL.

St. Joseph, Mo.

The past week has been almost too cold for business—mercury from zero to 8 degrees below several mornings. None of the florists has reported any serious losses from frost. Flowers have been scarce, with fair demand for small decorations. Several funerals in and out of the city used up all the surplus stock in light colors. American Beauty are scarce, outer petals curled and off color. The supply of teas is light, all off crop, with good prospects for heavy cutting later. Violets are also scarce; Romans plentiful. X. X.

BOWLING

New York.—Monday evening a semi-annual business meeting of the Bowling Club was to have been held, but owing to the absence of A. S. Burns, through sickness, no business was done. Those present rolled a few games; the scores made follow:

	1	2	3
Hafner	158	126	140
Traendly	134	137	150
Marshall	115	160	141
Siebrecht	147	150	142
Lang	129	170	136
Schenck	108	141	..
Withers	112	..	..
Manda	152	..	..
Butterfield	123	129	119
Moody	180	126	170
Donlan	103	..	..

St. Louis.—The Florists' Bowling Club scores were as under for Feb. 26:

	1	2	3	4	5
C. A. Kuehn	124	166	176	165	148
J. J. Beneke	137	209	147	139	165
C. C. Sanders	138	164	125	155	108
J. W. Kunz	139	172	152	134	164
F. C. Weber	88	161	142	177	137
W. Adels	90	117	110	93	132

Philadelphia.—Following are the scores in the game played on February 26:

CENTURY WHEELMEN, SECOND TEAM.

	1	2	3	Total
Benson	130	165	136	431
Kimball	102	134	116	352
Gulager	100	100	116	316
Richman	134	108	104	346
Jones	138	106	117	361
Fitler	163	179	132	474
Total	767	792	721	2280

FLORISTS', SECOND TEAM.

	1	2	3	Total
Kift	134	151	135	420
Westcott	115	130	158	403
Harris	135	142	143	420
D. Scott	154	128	118	400
Kuester	130	166	128	424
Walker	150	157	165	472
Total	818	874	847	2539

High score on Philadelphia Florists' Club alleys last week—Kuester, 245.

The Bowling Tournament.

NEW YORK WINS BY 221 PINS.

The final games in the tournament were played on the Flatbush alleys, Thursday evening last. New York put up a big score and succeeded in winning the prize (six regulation balls) by 221 pins. Flatbush was second, being 259 pins ahead of the Hudson County boys. The total number of pins down for the full series is: New York, 5,001; Flatbush, 4,777; Hudson County, 4,518.

Good fellowship prevailed throughout, and the wish was expressed by many of the players that more of such matches occur.

The scores made Thursday evening were as under:

NEW YORK.

	1	2
Traendly	124	128
O'Mara	142	136
Hafner	123	166
Manda	110	151
Roehrs	145	159
Lang	163	166
Totals	807	906

FLATBUSH.

	1	2
Riley	164	155
Raynor	136	84
Schmutz	141	119
Prosser	118	112
Zeller	109	152
E. Dailledouze	150	124
Totals	818	746

HUDSON COUNTY.

	1	2
Hansen	132	143
Kogge	111	120
Fisher	131	128
Hillebrech	122	121
L. Hansen	121	96
Brown	121	140
Totals	738	746

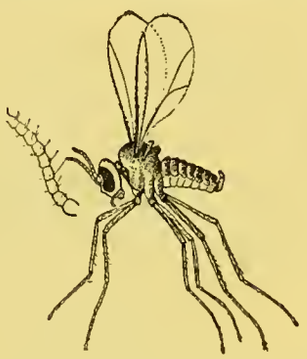
After the match the Flatbush team took the entire crowd to Prospect Park Hotel, where a good substantial dinner was served. When the cigars were reached short talks were made by Papa Zeller, Captains Dailledouze, Traendly and Brown, and other gentlemen. The songs of Schmutz and Stewart proved entertaining, and the speech of L. Hafner was fitting and to the point. The gathering was a pleasant social affair, and it adjourned at a seasonable hour.

Some New Plant Pests.

A pamphlet just issued by the U. S. Department of Agriculture, Division of Entomology (Bulletin No. 22, New Series), entitled "Some Miscellaneous Results of the Work of the Division of Entomology," contains two or three articles of especial interest to greenhouse men. These are: "Two New Cecidomyians Destructive to Buds of Roses;" "A New Violet Pest;" and some detailed experiments with hydrocyanic acid gas in greenhouse work.

As regards the rose pests in question the pamphlet states:

"At intervals during the past 12 years complaints have reached this office in regard to certain kinds of insects which infest the buds of roses grown under glass, causing them finally to wither and turn black. The blossom buds, as well as those for the production of wood and foliage, are thus attacked, and in several instances during an entire season not a single flower of certain varieties was produced in some of the rose houses owing to the depredations of these pests. For some curious reason the only varieties of roses known to be subject to these attacks are the Meteor, Wootton, La France, and a sport of the latter known as the Duchess of Albany. No other variety of rose has been known to be attacked, although frequently grown in the same house side by side with plants of the kinds mentioned which had in some cases lost all of their buds.



Neocerata rhodophaga.
Adult much enlarged, antenna more enlarged at left (original).
[Reproduced from Bulletin 22, Division of Entomology, U. S. Department of Agriculture.]

"The pests in question are small legless larvæ, which are to be found within the buds at the bases of the outer scales, or sepals, if a blossom bud is examined. These larvæ are of a white color when young, but become orange red in the latter part of their larval periods. Their manner of transformation is at present not known to the writer, but it is probable that they enter the earth and pass through their various changes in a cell or cavity formed just beneath the surface. So far as I am aware, they have never been known to attack roses grown in the open air, and this would seem to indicate that they were originally natives of some tropical region, from which they have been imported into this country, either upon plants, cuttings, or in the soil in which the plants were imported."

The one species, which is named Diplosis rosivora, is fully described in the bulletin, as is also the other—a new genus and species which has been named Neocerata rhodophaga. As regards remedies the pamphlet states:

"Some of the rose growers whom I have visited inform me that they exterminated these pests in their rose houses by a continued and liberal use of Persian insect powder, and Mr. L. E. Wood writes that he has complete success in the use of California buhach, a very similar product, which has been recommended by this Division against this pest for years past. One grower assures me that he accomplished the same thing by a liberal use of refuse tobacco stems obtained from a cigar factory. These stems were placed beneath the benches on which the infested roses were growing, and some were also placed on the heating pipes. The stems were quite moist when obtained, and the heat of the rose house caused a constant evaporation, which was sufficiently deadly in its effects upon these fragile insects as to result in their death, without at the same time producing a perceptible injury to the rose bushes. The same grower also informed me that when these pests first made their appearance in one of his rose houses he had all of the rose bushes in that house cut off close to the ground, only to find that when these bushes began to grow the pests were soon apparently as abundant as before."

The new violet pest referred to is what has already been treated upon in the FLORISTS' EXCHANGE as the "gall fly" (Diplosis violicola). It is pictured and fully described in the bulletin, which adds: "The remedy generally employed against this pest consists in picking off and destroying the infested leaves. It is also amenable to the hydrocyanic gas remedy, as detailed in Circular No. 37, 2d Ser., of this Division, and undoubtedly also to the buhach insect powder, recommended as a specific against the 'gall flies' on roses. Tobacco, however, cannot be safely used to any great extent on violets grown under glass."

Cleveland.

Trade Notes.

Within the past week we have experienced many changes in the weather, and since the last writing we have had the coldest spell of the Winter, the thermometer registering four degrees below zero on Tuesday morning. At the present time a driving rain, following a 4-inch fall of snow, makes things most disagreeable. In spite of such unfavorable conditions our florists report a fairly good trade; decorative and funeral work has been coming in freely, and this constitutes the principal part of the business doing at this time. With the advent of Lent a change for the worse is looked for, and will no doubt cause a decided falling off in the line of decorations.

Market conditions do not show any change from those of last week; good stock is in demand, at the same prices as last quoted. Bulb stock is offered more freely than at any previous writing, and shows considerable improvement in quality; but on account of the increased quantity offered prices have not advanced. There seems to be plenty of good flowers to meet the demand, but no overstock is noticeable. Several large wedding decorations during the early part of the week consumed a large amount of the best stock brought in by the growers.

G. A. T.

Philadelphia.

Market Items.

The early part of the past week business was very good, there being but little stock left over in the cut flower commission houses; but from Wednesday on trade slackened. Flowers are not over-plentiful. Roses are still in good demand, Beauty being in better supply than last week, but more long-stemmed flowers can yet be used. Prices range from 75c. to $6 per dozen, a few extra selected for shipping reaching $7.20 per dozen. Of tea roses white flowers are in most demand. Bulbous stock is selling fairly well; anything white going off best, white tulips, $3 to $4 per 100, being used when roses are not obtainable. Carnations are selling well, fancy flowers bringing $4 per 100; average stock $1.50 to $2 per 100. The best violets are going well, but at 75c. per 100—there are too many on hand of inferior grades.

Jottings.

H. P. Hugenholtz, representing K. J. Kuyk, of Holland, is in town this week, and speaks well of the condition of business.

Isaac Kennedy, for the past six years foreman for John Burton, has left that position and gone to Cleveland, O., to take charge of the greenhouse establishment of J. M. Gasser.

DAVID RUST.

Woburn, Mass.

The Cummings' greenhouses were flooded February 25, the work of picking violets having had to be done in rubber boots.

CORNING, N. Y.—A. H. Woeppel reports very satisfactory returns from Daybreak, Jubilee and White Cloud. He grows these kinds first-class. Roses in solid beds are in constant crop. Business is reported good.

HORNELLSVILLE, N. Y.—For the first time Daybreak is not satisfactory with W. A. Wettlin, who has hitherto had remarkable success with this carnation. A bench has been thrown out to make room for Spring stock, among which are several thousand geraniums, nice stocky plants. Crane, Gomez and White Cloud carnations are very satisfactory. Seed trade is opening up well.

ALBANY, N. Y.—John Dingwall has a fine batch of flowering stock, chiefly azaleas, for Easter. His supply of bedding plants is as large as usual, in anticipation of a good demand. H. G. Eyres says he is kept ever busy. Lent will bring the first breathing spell since Christmas. F. A. Danker notes an increasing demand for choice stock. Goldring Bros. dissolve partnership on March 1. Fred. will retain the houses at Slingerlands. W. M.

Gloversville, N. Y.

During the past cold snap someone carelessly left the door of E. T. Denham's greenhouse open, and before it was noticed quite a number of ferns and palms were ruined.

G. W. Pool has purchased two lots near the centre of the city, and will build in the Spring two or more 17x84-feet houses for carnations and roses. He has again received the city order for ornamental trees, etc., for the parks. It is said there was quite a spirited contest, as the order is larger than in former years.

There is a rumor that another florist will build a carnation house, 25x300 feet, the coming season, and, if true, we wish him success, as there is no reason why a house of these dimensions should not be a success here. We have 18,000 inhabitants at present and not enough carnations to fill orders. E. T. C.

FIRES.

HOPKINSVILLE, Ky.—Through a fire which occurred here, February 17, J. T. Savage lost part of his greenhouse and stock, the damage amounting to about $750, with no insurance. The house was heated by brick flue.

CHANGES IN BUSINESS.

GALT, Ont.—A. Young has purchased the greenhouses of William Wray, and will shortly take possession. Mr. Wray has been in impaired health for some time.

ELWOOD, Ind.—W. H. Woerner has purchased the property and greenhouses of Mrs. W. E. Goode, and will add another rose house.

CONCORD, N. H.—F. P. Main and Chas. H. Barrett have established a new flower stand at No. 1 Blanchard's Block.

PLANTS and FLOWERS.

CHINESE PRIMROSES.—I send by this mail a few sample blooms of our improved strains of Chinese primroses. These are from our seed plants and are not quite as fine as they had been a month ago, but we think they are about as good as any produced. JOHN F. RUPP.
Shiremanstown, Pa.

[The flowers of the primulas received show the strain to be a very pleasing one. The colors are desirable, some of the pink shades being especially fine. Quite a few of them were semi-double, and all were of a good size. This strain of primula cannot be too highly commended for its uniformity of size and its choice shades of color.—ED.]

PANSIES.—We have been favored by H. Beaulieu, Woodhaven, N. Y., with sample blooms of the new Mme. Perret strain of pansies. The flowers are large, the stems strong and of good length, and the markings are very pretty. The plant shows great vitality.

Galax Leaves
CHAS. H. RICKSECKER, Linville, N. C.
Mention the Florists' Exchange when writing.



Palmetto Leaves.
Green, for decorating, all with Long Stems. Medium $4.00 and large $5.00 per 1000. Packing free. Low freight rates. Cash with order. Largest and most experienced shippers.
Florida Natural Products Co.,
Box 327,
ORLANDO, FLA.
Mention the Florists' Exchange when writing.

IMPERIAL VIOLET

Color—The darkest blue grown.
Form—The largest and most double.
Fragrance—Strong and lasting.
Health—The most vigorous.
Productiveness—Last season from 4000 plants I picked 281,7 0 No. 1 blooms; average per plant over 70; this year the blooms from November to February have averaged me $2.00 per 100, wholesale.

If you have got enough of raising run-out stock, weakened by unskillful methods of culture, get a stock of this magnificent strain, and my book on Violet Culture, and you can find out the possibilities of profit in growing a **GOOD** Violet.
You don't have to hunt a market for these flowers, it hunts you.

ROOTED CUTTINGS.

Price per **1000, $45.00**; per **100, $5.00**; per **Dozen, $1.00.**
500 at 1000 rate; 50 at 100 rate.

3000 now ready to take out of the sand, for immediate delivery. Address all orders to

W. L. MINOR, Violet Specialist,
No. 826 Belmont St., Brockton, Mass.

Mention the Florists' Exchange when writing.

VIOLETS—Princess of Wales

The only Violet to grow; strong rooted cuttings, $1.00 per 100. 2½-in. pots, $2 00 per 100.
EVENDEN BROS., Williamsport, Pa.

Mention the Florists' Exchange when writing.

PANSIES. Large flowering strain, 50c. a 100; $2.50 a 1000.
Oxalis Floribunda, 2 inch pots, $2.50 a 100.
Geraniums, 16 vars., 2½ in. pots, $3.00 a 100.
Alternantheras. Yellow.....$1.75 per 100. Red..... 2.00 "
Cash with order.
JOS. H. CUNNINGHAM, Delaware, Ohio.

Mention the Florists' Exchange when writing.

SCHMIDT'S PANSIES Have no Equal.

Comprising the cream of all the Leading Strains. Large, stocky plants, 50 cents per 100; $3.00 per 1000; 10,000 for $25.00.

DAISIES (Bellis), strong plants of the largest double varieties, Longfellow and Snowball, 40 cts. per 100; $2.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

Pansies Worth Raising

Good Plants, $4.00 per 1000; $2.50 per 500.
Extra Large Transplanted Plants in bloom, as good as in spring, $2.50 per 100.
☞F. O. B. Express here. Cash with order.
C. SOLTAU & CO., 199 Grant Ave., Jersey City, N. J

Mention the Florists' Exchange when writing.

PANSIES

The Jennings Strain. 200,000 fine, stocky plants, from cold frames, varieties the finest, many are curled and fringed. 100 plants by mail, 60 cts; 1000 plants by express, $3.50; large plants in bud, by express, $5 a 1000; extra fine Pansy blooms, by mail, 50c. a 100.
Pansy Seed of above, $1.00 per pkt.; $5.00 per oz. Separate colors in plants or seed if wanted.
Choice Mixed Gladiolus, all colors, 50 cts. per 100. Extra large **Scarlet Amaryllis Bulbs,** $6.00 per 100; medium size, $3.00 per 100.
Samples sent for 10 cts. Cash with order.
E. B. JENNINGS, Lock Box 254, **Southport, Conn.**
Grower of THE FINEST PANSIES.

Mention the Florists' Exchange when writing.

Pansy Plants in Flower

GIANT MIXED,
For the New York Market, $3.00 per 100.
Cash with order.
Special Prices on Large Quantities.
FINE, LARGE BLOOMS, SURE SELLERS.

JOHN LAPPE,
Juniper Avenue, between Metropolitan Ave. and Grand St.
Telephone 13—L. **MASPETH, N. Y.**
The Largest Pansy Grower in America.

Mention the Florists' Exchange when writing.

Firms Who Are Building.

PADUCAH, Ky.—The work of repairing the greenhouses of C. L. Brunson & Co., damaged a few days ago by fire, is progressing rapidly. In the reconstructing Mr. Brunson planned for increased facilities, rendered necessary by the growth of patronage.

STOUGHTON, Mass.—H. W. Mann is building a greenhouse, 18x50 feet, for carnations.

Oceanic, N. J.

The third annual ball of the Monmouth County Horticultural Society was one of the greatest events of the season. There were over one hundred couples in the grand march, and some of the most prominent people of Oceanic and neighboring towns were present. At 12 o'clock supper was served, and before the regular order of dancing began again an Irish breakdown and also a cakewalk were presented, in which Hugh Birch showed his ability as a clown. At about 4 o'clock the orchestra played "Home, Sweet Home." Much credit for the success of the affair is due the Committee of Arrangements, which consisted of George Kuhn, Robert Murphy, Thomas Macintosh and Albert Brighton. B.

Bloomfield, N. J.

Ernest Petzold, a florist of Mill street, suffered a severe loss Wednesday last, when some one smashed 48 of his sashes. Under the glass were many violet plants, and those that were not destroyed by the falling glass were killed by frost.

CARNATIONS ROOTED CUTTINGS.

Wm. Scott.....per 1000, $10 00
Mande Adams ....per 100, 3 50
Mrs. F. Joost..... per 100, 2 50
Lady Emma..... ..per 1000, 12 50
☞ Unrooted at half price.
☞ Write for prices on large lots.

CHARLES LENKER, Freeport, L. I.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS
Rooted Cutting.

Golden Wedding, Lincoln, Ivory, Maud Dean, Nevins, Queen, Major Bonnaffon, Glory of Pacific, good, clean stock, true to name; well rooted from propagating bench. 75 cents per 100. Cash with order.

MILLER & CLARK, - Jamesville, N. Y.

Mention the Florists' Exchange when writing.

New Early Yellow Chrysanthemum
WALTER MOLATSCH.

Three Certificates A.C.S. Ready March 1st, 1900. Price, 50c. each; $4.00 per doz.; $25.00 per 100.
For Sale by
DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y.
AND
H. A. MOLATSCH, - - - Brooklyn, N. Y.
68th St., bet. 8th and 9th Aves.

Mention the Florists' Exchange when writing

CHRYSANTHEMUMS

Belle of Castlewood,	**Mrs. J. G. Whitidin,**
Bonnaffon,	**Mrs. S. T. Murdock.**
Cullingsfordii,	**Mrs. J. J. Glessner,**
Eugene Dailledouze,	**Mrs. H. Weeks,**
Glory of the Pacific,	**Mrs. O. P. Bassett,**
Ivory,	**Nivens,**
J. Woodford,	**Rose Owen,**
Liberty,	**The Queen.**
Minerva,	**W. H. Hallock,**
Mme. F. Bergmann,	**Wm. H. Lincoln.**

From 2½ in. pots, $2.00 per 100.

VERBENAS In 10 best varieties, from 2½ in. pots, strong plants, $2.00 per 100.
Cash with Order. Price List on Application.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

Chrysanthemums

	Doz.	100
Helen Bloodgood, 2 in.	$0.50	$2.50
Glory of the Pacific, 2 in.	.40	1.50
G. Bramhall, 2 in.	.50	2.00
Begonia, Alba Picta, 2 in.	.50	1.50
Geranium, Mme. Salleroi, 2 in.	.50	3.00
Salvia Splendens, 2 in.	.40	2.00
Rudbeckia, Golden Glow, 2½ in.	.50	3.00
Carex Japonica var., 2 in.	.50	2.00
Cannas (10 variety), 2 in.	.50	3.00
Abutilon, Souv. de Bonn, 3 in.	.75	5.00
Cyperus Alternifolius, 4 in.	1.00	6.00
Fancy Ferns, for dishes, 2 in., a bargain, at	.50	3

For list of best **Sweet Pea Seed**, see EXCHANGE of January 27, 1900. Satisfaction guaranteed.
Cash with Order.

GEO. L. MILLER, - Newark, Ohio.

Mention the Florists' Exchange when writing.

Portchester, N. Y.

The Westchester County Gardeners' Association held its regular monthly meeting Saturday, February 24, with President Shore in the chair. Messrs. Fremd, Williamson, Anderson, Smith and Duncan were appointed Executive Committee for the present year. There was an excellent exhibition of carnations on the tables. Geo. M. Hay captured the prize for best collection, in which he had some 60 blooms in 10 varieties. Mr. Hay was also first for best 18, and Wm. Anderson second. Joseph Dexter was awarded a special prize for his collection of California varieties. These were certainly a revelation in carnation growing. For size of flower and rigidity of stem they have seldom been equalled in this section. The varieties were Iris Miller, Grace Runyon, Leslie Paul, Helen Dean and John Carbone.

Very noticeable was the large vase of Olympia exhibited by John N. May.

Robert Williamson exhibited a collection of vegetables, including cauliflower, tomatoes, beets, mushrooms, lettuce and escarole. Other exhibits included cinerarias by John Fraser, anthurium seedling by Geo. Draycott and carnation seedlings by John Harper.

The prizes included some beautiful glass vases, the gifts of Frederick Fremd, of the Rye Nurseries.

This was the first of a series of monthly exhibitions, and if the good work goes on every meeting will prove a gala night for the gardeners of Westchester County.

Messrs. F. R. Pierson Co. have offered $15 in prizes for chrysanthemum Col. D. Appleton, and Messrs. Peter Henderson & Co. have offered $10 in prizes for six distinct "Ostrich Plume" and six distinct anemone—flowered chrysanthemums at the Fall exhibition.

The society meets again March 24, in Irving Hall, Porchester, N. Y.

JOHN W. DUNCAN, Secretary.

Tarrytown, N. Y.

The regular monthly meeting of the Tarrytown Horticultural Society was held Thursday evening, 22d ult., President Turner in the chair. A letter was read from the secretary of the American Rose Society asking our society's cooperation at their forthcoming exhibition. The society unanimously agreed to donate $15 as a special premium. The following gentlemen were elected to membership: Jas. Clark and Michael Ward, Irvington; Theodore Dinkle, Peter Smith and Wm. Kearney, Tarrytown. The following were proposed for membership: J. J. Doulan, New York; Eli Jago, Irvington; Wallace Odell, John Whalquist, R. W. Husted, Tarrytown.

E. A. Neubrand reported that the dinner given by the Dutchess County Horticultural Society was a complete success, that our representatives thoroughly enjoyed themselves.

The vice-president, Wm. Stevenson, had a most excellent table of plants, including finely grown specimens of azaleas, cinerarias, primulas, Spiraea astilboides, Adlumia cirrhosa and a nice lot of Paper White narcissus, for which he was awarded a certificate of merit. A similar award was given to P. M. Pierson, Briarcliff Greenhouses, Sing Sing, for a vase of "Defiance" mignonette. The flower spikes averaged 15 inches in length and the foliage was like monstrous chrysanthemum leaves. Honorable mention was awarded to L. A. Martin, for a vase of violet Princess of Wales, also to John Bosbard, for a vase of Marie Louise.

The Executive Committee reported upon the schedule for the next chrysanthemum show to be held in November. It was ordered to be printed and preliminary copies put in circulation.

L. A. Martin read a lengthy paper upon vegetable growing. He gave some good advice regarding soil, manuring, situation, etc., also a complete calendar of operations for the vegetable garden, with very full instructions regarding species, variety, dates of sowing, etc.; quite a lively dicussion followed.

The following syllabus was announced:

March—Chrysanthemus, Jas. T. Scott.
April—Indoor Roses, A. A. Taaffe.
May—Small Fruits, Thos. Cockburn.
June—Outdoor Roses, Wm. Turner.

JAS. T. SCOTT.

James. T. Scott left Tarrytown March 1, and has accepted a position as florist at the House of Refuge, Randall's Island, N. Y.

East Haven, Conn.

The recent high winds and storm damaged the greenhouse of John Long & Bro., and plants to the value of $75 were destroyed.

NEW CROP **WINTER-BLOOMING**

Carnation Seeds!

Hand Fertilized, 25c. per 100. Cash with order.

AMERICAN ROSE CO., Washington, D C.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS
OF CARNATIONS.

Both new and old varieties at lowest prices for good stock. Special rates on orders booked for future delivery. Satisfaction or money refunded. Send for price list.

GEO. A. RACKHAM, 880 Van Dyke Avenue, DETROIT, MICH.

Mention the Florists' Exchange when writing.

SOUTHERN FLORISTS
Plant Southern-Grown CARNATIONS.

20,000 Rooted Cuttings. 15,000 2-in. Pot Plants.
For Sorts and Prices write to
SOUTHERN NURSERY, San Antonio, Tex.
BOX 328.

Mention the Florists' Exchange when writing.

Rooted Cuttings of New and Standard

CARNATIONS.

SEND FOR PRICE LIST.

WM. SWAYNE, Kennett Square, Penn.

Mention the Florists' Exchange when writing.

Rooted Cuttings of Carnations
NOW READY

Jubilee, White Cloud, New York, and all standard varieties. Write for prices

VIOLETS Orders booked now for rooted cuttings. If you want the best stock obtainable give us your order now for April delivery and you will get the best.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

Rooted Cuttings—Carnations

Gomez, Maceo, Jubilee, White Cloud, Flora Hill, Daybreak, Scott, McGowan, Portia, Eldorado and Anna Webb.
WRITE FOR PRICES.
EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

CARNATION CUTTINGS

Now ready of all the leading varieties.
All stock guaranteed A1.
If not satisfactory, money refunded.
CHICAGO CARNATION CO.,
Greenhouses and Address, **JOLIET, ILLS.**

Mention the Florists' Exchange when writing.

Carnations, Rooted Cuttings, Crane, $6 per 100 America, $5 per 100
White Cloud, $4 per 100; Jubilee, $2 per 100; Scott Daybreak Victor, F. Hill, McGowan, Evelina Genesee, Eldorado, $1.25 per 100, $10 per 1000.

Roses, 2-inch Pots, Select Stock. American Beauties, 5 cts.; Perles 4 cts.; Brides and Bridesmaid, 3 cts.
Send for list of other varieties.
WM. MURPHY, Sta F, Cincinnati, O.

Mention the Florists' Exchange when writing.

EVANSTON Cuttings

Get your Rooted Cuttings of **EVANSTON**, orange scarlet, money maker, from original stock.
Price, $2.50 per 100; $20 per 1000.
ADDRESS
M. WIELAND, 1917 Maple Avenue, EVANSTON, ILL.

Mention the Florists' Exchange when writing.

CARNATIONS John Young, New York, Eldorado, Hector, $1.50; G. H. Crane, $6.00; White Cloud, $4.00; Mrs. Jas. Dean, $3.00 per 100. Unrooted John Young and New York at half price.
GERANIUM. Gen. Grant, S. A. Nutt, La Condable, 3 inch, $3.00.
DOUBLE PETUNIAS, 2½ inch, $2.00.
HELIOTROPE. Rooted, $1.00; 2 inch, $2.00.
VINCA var., potted, at $1.50 and $2.50 per 100. Orders for started Cannas booked.
WILLIAM STUPPE, Hollis, L. I., N. Y.

Mention the Florists' Exchange when writing.



CARNATIONS

Rooted Cuttings.

Flora Hill, $1.50 a 100, $14.00 per 1000.
Lizzie McGowan, $1.00 a 100; $9.00 a 1000;
Wm. Scott, $1.00 a 100. $9.00 a 1000.

AGERATUM

Cope's Pet, blue; Lady Isabel, white, 60c. a 100; $5.00 a 1000.

COLEUS

Twenty best named varieties, including C. Verschaffeltii and Golden Bedder, all money makers, R. Cuttings, 70c. a 100; $6 00 a 1000.

DAISIES California, white, Yellow Castle, yellow, the best all-round Daisies: both stand the heat and dry weather. Well-rooted Cuttings, $1.00 per 100; $9.00 per 1000; 2 in., strong, $2.00 per 100.

DOUBLE GIANT SWEET ALYSSUM

Rooted Cuttings, $1.00 per 100.

We pay the express on all R. Cuttings. Our guarantee goes with everything we send out, to please you; for that CASH, PLEASE. Send for list.

C. HUMFELD, Clay Center, Kas.

Mention the Florists' Exchange when writing.

"SCOTT"

CARNATIONS, Clean, Healthy Rooted Cuttings.

	Per 100.	1000.
Extra Heavy from Soil,	$2.25	$20.00
Well Established from Soil,	1.75	15.00
Strong, from Sand,	1.25	10.00

Cash with order, please.

JOHN CURWEN, JR., Glen Head, L. I., N.Y.

Mention the Florists' Exchange when writing.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing.

As Long As They Last

CARNATIONS.

Victor, rooted cuttings.....per 100, $1 50
Daybreak, rooted cutings... " 1.25
Portia, rooted cuttings..... " 1.00

GERANIUM Mountain of Snow, per 100, $1 25.

GEORGE SMITH, Manchester, Vt.

Mention the Florists' Exchange when writing.

Well Rooted Carnation Cuttings

Strictly first-class stock, from our own greenhouses.

Wm. Scott, Edith Foster, Daybreak, Freedom.....$1.00 per 100.
Mrs. Frances Joost.....$2.50 per 100.
Flora Hill.....$1.50 per 100.

Ready now. Orders booked for future delivery from sand or soil.

N. F. McCARTHY & CO., Boston, Mass.
84 Hawley Street.

Mention the Florists' Exchange when writing.

CARNATIONS

Large Stock of Strong Rooted Cuttings Now Ready.

G. H. CRANE, MORNING GLORY, MACEO, GLACIER, GOMEZ, AMERICA, RED MRS. BRADT (or Chicago), MARY WOOD and other good standard sorts.

MRS. GEO. M. BRADT for March delivery—all the early stock sold.

FIVE 1900 NOVELTIES.

MRS. THOS. LAWSON, ETHEL CROCKER, THE MARQUIS, OLYMPIA and GENEVIEVE LORD. At introductory prices.

We make a Specialty of Rooted Cuttings, and have three houses of stock growing for that purpose only.

Send for Descriptive Price List.

F. DORNER & SONS CO.,

LAFAYETTE, IND.

Mention the Florists' Exchange when writing.

20,000 Wm. Scott CARNATION CUTTINGS

Must be sold to make room, at $6.00 per 1000 or 4000 for $20.00. **Mrs. Joost,** $2.50 per 100, $20.00 per 1000. **Melba,** $3.00 per 100, $25.00 per 1000. **Flora Hill, Victor, Daybreak,** $1.25 per 100, $10.00 per 1000. **Mayor Pingree,** $1 00 per 100, $7.00 per 1000.

DOUBLE PETUNIA Strong plants, in 3 in. pots, $3.00 per 100.

GERANIUMS Mixed, 3 inch pots, $3.00 per 100.

Cash with order.

CARL E. TAUBE, Trenton, N. J.
MERCER FLORAL CO.

Mention the Florists' Exchange when writing.

New Carnation-ALMA

The most productive Carnation we have. Rose Pink, new, $5.00 per 100; $40.00 per 1000.

Daybreak, $2.00 per 100; $15.00 per 1000.
Wm. Scott, Genesee, Evelina, Portia and **Bon Ton,** $1.50 per 100; $10.00 per 1000.
Victor, $1 50 per 100; $12.00 per 1000.
F. Hill, $1.75 per 100; $15.00 per 1000.
White Cloud, $2.50 per 100; $20 per 1000.
Jubilee, $2.00 per 100; $15.00 per 1000.

BABY PRIMROSE 3 in., strong, per doz., $1.50; per 100, $10 00.

C. MERKEL & SON, Mentor, Ohio

Mention the Florists' Exchange when writing.

Ethel Crocker

Absolutely the best Pink CARNATION ever offered the Trade.

A fact fully borne out by its record, being equally good with Craig, Hill, and myself. (An assurance that it is not a success in one soil and a failure in another.) By its having been shown at the Flower Shows and Clubs since early in September. (An assurance that it is not a good late carnation, but an all season variety.)

In color, size, fragrance and stem it is just what the "storemen" want.

In habit, constitution and freedom of bloom, it is just what the grower wants. It produces more flowers to the square foot than any other known variety, and is never out of crop from September to July.

With 18,000 stock plants to work from there is no danger of it being over-propagated, and all orders intrusted to me will be filled with cuttings selected from the plants and the order filled by myself, thus doubly assuring good stock.

Honest sample blooms furnished, prepaid, at $1.00 per dozen. Amount deducted from all orders for 100 or over. Up to date, every sample excepting one out of several hundred sent, has brought an order.

PRICE—Per 100, $10.00; per 25, $2.50; per 1000, $75.00; per 250, $18.75.

☞ **PRICE LIST FOR STANDARD VARIETIES READY NOW.**

HERR'S PANSIES—Good little plants at 75 cts. per 100; $4.00 per 1000.

ALBERT M. HERR - - Lancaster Pa.

Mention the Florists' Exchange when writing.

Carnation Cuttings.

	Per 100
MRS. LAWSON	$14.00
G. H. CRANE	5.00
AMERICA	3 00
MELBA	3.00
LESLIE PAUL	3.00
GOV. GRIGGS	3.00
MRS. BRADT	3.00
FRANCES JOOST	2.50
EVANSTON	2.50
JUBILEE	2.50
VICTOR	2.00
WHITE CLOUD	2.50
FLORA HILL	2.00
GOLD NUGGET	2.00
TRIUMPH	2 00
DAYBREAK	1.25
ARGYLE	1.25
ARMAZINDY	1.25
LIZZIE McGOWAN	1.00
EVELINA	1.00
MAYOR PINGREE	1.00
WM. SCOTT	1.00
NIVEA	1.00
MORELLO	1.00

10 PER CENT. DISCOUNT ON THOUSAND LOTS.

Rose Cuttings.

METEOR	per 100,	$1.50
BRIDESMAID	"	1 50
PERLE	"	1.50
BRIDE	"	1.50
GOLDEN GATE	"	2.50

Write for prices on large lots.

All plants and cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded. Write for prices on larger lots.

PETER REINBERG, 51 Wabash Ave., Chicago.

Mention the Florists' Exchange when writing.

ROOTED CARNATION CUTTINGS.

	Per 100	Per 1000
ETHEL CROCKER	$10 00	
AMERICA	5 00	$40 00
G. H. CRANE	6 00	50 00
FLORA HILL	1 50	10 00
WHITE CLOUD	3 50	30 00
MRS. JOOST	2 50	20 00
DAYBREAK	1 50	10 00
VICTOR	1 50	12 50
BRADT	5 00	40 00

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CARNATIONS.

	Per 100	Per 1000
Mrs. Lawson	$14 00	$120 00
G. H. Crane	5 00	
America	5 00	40 00
White Cloud	2 50	20 00
Frances Joost	2 50	20 00
Triumph	2 50	20 00
Evanston	2 50	20 00
Jubilee	2 00	15 00
Gold Nugget	2 00	15 00
Mrs. McBurney	$2 00	$15 00
Flora Hill	1 25	10 00
Daybreak	1 25	10 00
Argyle	1 25	10 00
Armazindy	1 25	10 00
Lizzie McGowan	1 00	7 50
Mayor Pingree	1 00	7 50
W. Scott	1 00	7 50
Tidal Wave	1 00	7 50
Morella	1 00	7 50

ROSES.

	Per 100	Per 1000
La France	$2 00	$17 50
Perle	1 50	12 50
Bridesmaid	1 50	12 50
Meteor	$1 50	$12 50
Bride	1 50	12 50

Stock to be first class and to be sold under the conditions that they shall be returned immediately if not satisfactory. Address

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The Peerless New Light Pink Carnation.

THE demand has been such that we are compelled to announce that stock for delivery prior to March 20 is all sold. Experts agree that it is the best selling pink yet produced. The color is just right, the ladies say, and they surely know. We know, too, that its stems are the grandest of any carnation, quite a factor, too, and more particularly so since it also possesses a size which entitles it to a place in the front row, an odor so sweet as to cause immediate notice, a growth and freedom of bloom which delights the grower; an individuality incomparably its own. This is a striking feature in any carnation, and Genevieve Lord possesses it to a greater extent than any other carnation; this is why it sells so readily and makes the demand for blooms far greater than the supply.

If you want this record-breaker in your list next winter, order at once. If you delay it may be too late.

PRICE, $2.00 per doz.; $10.00 per 100; $75.00 per 1000.

We can also furnish at introducers' prices all of the "big new ones."

Also Best NEW and STANDARD CHRYSANTHEMUMS.

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Open every Morning at 6 o'Clock A. M. for the Sale of Cut Flowers.
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Telephone 788 18th St.

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Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
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"Always Ready to Receive Fine Stock."
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ROSES Wholesale Florist, ORCHIDS
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39 W. 28th STREET, NEW YORK.
Receiving Extra Quality AM. BEAUTIES and all other varieties of Roses.
TELEPHONE 902 MADISON SQUARE. CARNATIONS.

...Wholesale Prices of Cut Flowers...

	Names and Varieties	New York Mar. 2, 1900	Boston Mar. 1, 1900	Philadelphia Mar. 1, 1900	Baltimore Feb 27, 1900	Buffalo Feb. 21, 1900
Roses	A. BEAUTY, fancy—special	30.00 to 50.00	35.00 to 50.00	50.00 to 60.00	.... to	40.00 to 60.00
	" extra	25.00 to 30.00	20.00 to 25.00	30.00 to 41.00	35.00 to 50.00	30.00 to 30.00
	" No. 1	10.00 to 20.00	12.50 to 16.00	20.00 to 30.00	20.00 to 30.00	10.00 to 15.00
	" Culls & ordinary	2.00 to 4.00	4.00 to 8.00	10.00 to 20.00	8.00 to 16.00	4.00 to 8.00
	Bride, 'Maid, fancy—spc'l	8.00 to 10.00	.... to 20.00	12.00 to 15.00	.... to	10.00 to 15.00
	" extra	6.00 to 8.00	.... to 16.00	10.00 to 12.00	.... to 8.00	8.00 to 10.00
	" No. 1	3.00 to 5.00	8.00 to 12.50	8.00 to 10.00	.... to 6.00	5.00 to 7.00
	" No. 2	2.00 to 3.00	2.00 to 6.00	5.00 to 8.00	.... to 4.00	3.00 to 4.00
	K. A. Victoria	.... to	.... to	.... to	4.00 to 8.00	.... to ....
	La France	3.00 to 6.00	.... to	.... to	4.00 to 6.00	.... to ....
	Meteor	2.00 to 8.00	3.00 to 12.50	5.00 to 12.00	8.00 to 10.00	3.00 to 10.00
	Papa Gontier	.... to	.... to	.... to	3.00 to 4.00	3.00 to 4.00
	Perle	2.00 to 5.00	.... to	4.00 to 6.00	3.00 to 5.00	3.00 to 5.00
	Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
	ORCHIDS—Cattleyas	40.00 to 50.00	30.00 to 35.00	50.00 to 60.00	.... to	.... to ....
	Cypripediums	.... to 12.50	.... to	15.00 to 20.00	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	.75 to 1.00	.75 to 1.00	1.00 to 1.50	1.00 to 1.25	.50 to .75
	STANDARD VARIETIES White	1.00 to 2.00	1.00 to 2.0	1.00 to 1.50	1.50 to 2.00	1.00 to 2.00
	STANDARD VARIETIES Pink	1.00 to 2.00	1.00 to 2.00	1.00 to 1.50	1.50 to 2.00	1.00 to 2.00
	STANDARD VARIETIES Red	1.00 to 2.00	1.00 to 2.00	1.00 to 1.50	1.50 to 2.00	1.00 to 2.00
	STANDARD VARIETIES Yel.&Var.	1.00 to 2.00	1.50 to 2.50	1.00 to 1.50	1.50 to 2.00	1.00 to 2.00
	*FANCY— White	3.00 to 5.00	2.50 to 3.00	2.00 to 3.50	2.50 to 3.00	2.50 to 4.00
	(*The highest grades of standard var) Pink	3.00 to 5.00	2.00 to 2.50	2.00 to 4.00	2.50 to 3.00	2.50 to 4.00
	(*The highest grades of standard var) Red	3.00 to 5.00	2.50 to 3.00	2.00 to 4.00	2.50 to 3.00	2.50 to 4.00
	(*The highest grades of standard var) Yel.&Var.	4.00 to 8.00	2.50 to 3.00	2.00 to 4.00	2.50 to 3.00	2.00 to 4.00
	NOVELTIES	10.00 to 15.00	3.00 to 4.00	4.00 to 5.00	.... to	.... to ....
	ADIANTUM	.75 to 1.00	.... to 1.00	1.00 to 1.50	.... to 1.00	.75 to 1.25
	ASPARAGUS	35.00 to 50.00	.... to 50.00	.... to 50.00	25.00 to 75.00	30.00 to 60.00
	CALLAS	5.00 to 8.00	6.00 to 10.00	10.00 to 15.00	8.00 to 10.00	8.00 to 12.00
	HYACINTHS	.75 to 1.50	1.00 to 4.00	1.00 to 4.00	.... to 2.00	3.00 to 6.00
	LILIES	8.00 to 12.50	12.50 to 16.00	.... to	.... to	15.00 to 20.00
	LILY OF THE VALLEY	1.25 to 3.00	2.00 to 3.00	3.00 to 5.00	2.00 to 4.00	2.00 to 4.00
	MIGNONETTE—ordinary	1.00 to 2.00	1.00 to 2.00	2.00 to 3.00	1.00 to 2.00	2.00 to 3.00
	MIGNONETTE—fancy	2.00 to 6.00	3.00 to 4.00	3.00 to 4.00	.... to	4.00 to 6.00
	NARCISSUS	1.00 to 2.00	1.00 to 2.00	2.00 to 4.00	.... to 2.50	.... to ....
	SMILAX	10.00 to 20.00	10.00 to 12.50	15.00 to 20.00	12.00 to 25.00	10.00 to 15.00
	SWEET PEAS	1.00 to 1.50	2.00 to 3.00	2.00 to 3.00	.... to	2.00 to 3.00
	TULIPS	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	3.00 to 4.00
	VIOLETS	.25 to .50	.50 to .60	.50 to .75	.40 to .60	.40 to .75
	VIOLETS, special	.60 to .75	.... to .75	.75 to 1.00	.... to	.75 to 1.25

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

BOSTON, MASS.
Asparagus Plumosus, Orchids, Mignonette, Brides, 'Maids, American Beauties
WELCH BROS.
PROPRIETORS
CITY HALL CUT FLOWER MARKET,
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Kaiserins, Meteors, Carnots, Violets, Valley, Carnations
Can furnish at short notice. Prices according to quality of goods. Long Distance Telephone, 2161 and 2071.

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UNTIL FURTHER NOTICE
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AM. BEAUTIES and VALLEY Our Specialties.
1612-14-16-18 Ludlow St., PHILADELPHIA, PA.

We have a fine grade of everything in market at present.
Send us a Trial Order and we will do the rest.
EDW. C. HORAN,
47 West 28th Street,
Telephone, 421 Madison Sq. NEW YORK.
CUT FLOWERS AT WHOLESALE.
Receiving Daily Fine PRES. CARNOT KAISERINS, METEORS, BEAUTIES, Etc.

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CYCAS PALM LEAVES Always on Hand.

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84 HAWLEY STREET, BOSTON.

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FOR
ROSES, CARNATIONS
And all kinds of Seasonable Flowers.
GIVE US A TRIAL

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Consignments of First-class Stock Solicited.
Valley in quantity. Telephone connection.

GEO. M. MOSS,
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32 South 17th St., PHILADELPHIA, PA.
Long Distance 'Phone, 14330 D.
Consignments of choice ROSES, CARNATIONS, VIOLETS solicited.
Fine VALLEY in stock at all times.

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Consignments of Choice Valley and Roses Solicited.

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SEEDS — Finest Strains for Florists. Send for our 1900 Catalogue, which contains among other seeds of merit, a complete list of the Standard and New SWEET PEAS.

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ASPARAGUS PLUMOSUS NANUS CUT STRINGS, 8 feet long
50 Cents per String.
Shipped to any part of the country.
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...Wholesale Prices of Cut Flowers...

Names and Varieties	Chicago Feb. 28, '00	St. Louis Feb. 26, '00	Cincinnati Feb. 27, '00	Milwaukee Feb. 27, '00	Pittsburg Feb. 19, '00	Toronto Feb. 27, '00
Roses—A. Beauty, fancy—special	50.00—60.00	....—50.00	....—	40.00—60.00	60.00—75.00	25.00—35.00
" extra	35.00—40.00	35.00—40.00	....—	25.00—30.00	40.00—50.00	20.00—25.00
" No. 1	15.00—25.00	20.00—30.00	....—	12.50—18.00	20.00—35.00	10.00—15.00
" Culls & ordinary	3.00— 8.00	8.00—15.00	....—	4.00— 8.00	10.00—15.00	....— ....
Bride, Maid, fancy-spec'l	8.00—10.00	....—12.50	7.00—10.00	10.00—12.00	12.00—15.00	....—12.00
" extra	5.00— 6.00	....—10.00	6.00—10.00	....— 8.00	8.00—10.00	....— ....
" No. 1	4.00— 5.00	7.00— 8.00	7.00— 8.00	4.00— 6.00	6.00— 7.00	....— ....
" No. 2	....— 3.00	6.00— 6.00	6.00— 7.00	....— 3.00	4.00— 5.00	3.00— ....
K. A. Victoria	....—	....—	....—	....—	....—	....— ....
La France	6.00— 8.00	....—	....—	....—	....—	....— ....
Meteor	6.00—10.00	6.00— 8.00	3.00— 7.00	6.00—10.00	4.00—15.00	3.00—12.00
Papa Gontier	4.00— 7.00	....—	....—	....—	....—	....— ....
Perle	3.00— 6.00	4.00— 6.00	4.00— 6.00	4.00— 8.00	3.00— 6.00	....— ....
Souv. de Wootton	....—	4.00— 6.00	....—	....—	....—	2.00—10.00
ORCHIDS—Cattleyas	40.00—50.00	....—	....—	....—	....—	25.00—35.00
Cypripediums	12.00—15.00	....—	....—	....—	....—	....—10.00
Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations—Inf'r grades, all colors	1.00— 1.25	....— 1.50	....— 1.50	....—	.75— 1.00	1.00— 1.50
Standard Varieties—White	1.25— 1.50	2.00— 2.50	....— 2.00	1.00— 1.50	1.50— 2.00	2.00— 4.00
Standard Varieties—Pink	1.50— 2.00	2.00— 2.50	1.50— 2.00	1.00— 1.50	1.50— 2.00	2.00— 3.00
Standard Varieties—Red	1.50— 2.00	2.00— 2.50	1.50— 2.00	1.00— 1.50	1.50— 2.00	2.00— 3.00
Standard Varieties—Yel. & Var.	1.50— 2.00	2.00— 2.50	1.50— 2.00	1.00— 1.50	1.50— 2.00	2.00— 3.00
Fancy (highest grades of standard var)—White	2.00— 3.00	....— 3.00	3.00— 4.00	2.00— 4.00	3.00— 4.00	4.00— 5.00
Fancy (highest grades of standard var)—Pink	3.00— 4.00	....— 3.00	3.00— 4.00	2.00— 4.00	3.00— 4.00	4.00— 5.00
Fancy (highest grades of standard var)—Red	3.00— 4.00	....— 3.00	3.00— 4.00	2.00— 4.00	3.00— 4.00	4.00— 5.00
Fancy (highest grades of standard var)—Yel. & Var.	3.00— 4.00	....— 3.00	3.00— 4.00	2.00— 4.00	2.00— 3.00	4.00— 5.00
Novelties	....—	....—	....—	....—	....—	....— ....
Adiantum	.50— 1.00	....—	....— 1.00	....— 1.50	1.00— 1.25	....— ....
Asparagus	40.00—50.00	....—	....—	....—60.00	35.00—50.00	20.00—50.00
Callas	8.00—12.00	12.50—15.00	....—10.00	10.00—12.50	....—	6.00—10.00
Hyacinths	2.00— 6.00	2.00— 3.00	2.00— 3.00	5.00— 6.00	1.50— 3.00	2.00— 6.00
Lilies	15.00—18.00	12.50—15.00	....—15.00	....—	12.00—15.00	....—10.00
Lily of the Valley	2.00— 4.00	3.00— 4.00	....— 4.00	....—	2.00— 3.00	2.00— 3.00
Mignonette—ordinary	2.00— 4.00	....—	....—	....— 2.00	1.00— 1.50	....— 3.00
Mignonette—fancy	....—	....—	....—	3.00— 4.00	2.00— 3.00	....— 6.00
Narcissus	2.00— 4.00	....— 3.00	....— 3.00	....—	2.00— 3.00	2.00— 4.00
Smilax	10.00—12.00	12.50—15.00	12.00—15.00	12.50—15.00	10.00—15.00	15.00—20.00
Sweet Peas	....—	1.00— 2.00	....—	....—	....—	....— ....
Tulips	2.00—	2.00— 4.00	3.00— 4.00	3.00— 4.00	2.00— 4.00	1.50— 4.00
Violets	.40— 4.00	....— .40	....— .50	....— .50	.50— .75	....— .40
Violets—special	.75— .50 1.00	....— .60	....— 1.00	....— 1.00	1.00— 1.25	....— 1.50

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Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

J. B. DEAMUD,
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Wholesale Cut Flowers
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SUCCESSORS TO
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Wholesale Growers of Cut Flowers
OFFICE AND SALESROOM,
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Headquarters for AMERICAN BEAUTIES.

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FLORIST
1322 Pine Street,
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Mention the Florists' Exchange when writing.

C. A. KUEHN,
WHOLESALE FLORIST,
1122 Pine St., St. Louis, Mo.
A COMPLETE LINE OF WIRE DESIGNS.

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HOLTON & HUNKEL CO.,
WHOLESALE FLORISTS
AND FLORISTS' SUPPLIES.
Manufacturers of Wire Designs.
457 Milwaukee St. MILWAUKEE, WIS.
'Phone Main 874. P. O. Box 103.

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Wholesale Cut Flowers
...and...
Florists' Supplies
C. C. POLLWORTH CO, Milwaukee, Wis.

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We are headquarters in the United States for established and imported Orchids.
Our new price list for 1900 is now ready.
Cherry Wood Baskets, Fresh Moss and Peat.
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Correspondence Solicited. SUMMIT, N. J.

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Commercial Violet Culture
Price $1.50. Send for Prospectus.

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HAVE YOU SHIPPED TO 106?
This is the New Number of
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Wholesale Commission Florist,
106 WEST 28th ST., NEW YORK.
Telephone, 167 Madison Square.
LONG EXPERIENCE AND EVERY FACILITY FOR HANDLING
ROSES, CARNATIONS, VIOLETS, VALLEY,
and all other stock in season.
CONSIGNMENTS SOLICITED.

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White ORCHID BLOOMS & OTHER CHOICE FORMS

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504 Liberty St.
FLORISTS' SUPPLIES.

ASPARAGUS PLUMOSUS NANUS
CUT STRINGS, 8 feet long,
35 to 50 cts. per String.
Shipped to any part of the country.
Roses, Carnations, Violets, Valley, Sprengeri, Smilax, Galax, Ferns, Wild Smilax,

Hot-Bed

Sash

Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.

Quick Shipments.

We have in stock and can ship immediately:

3 ft. x 6 ft., 3 rows 10 in. glass.
3 ft. 3 in. x 6 ft., 4 " 8 in. "
4 ft. x 6 ft., 5 " 8 in. "

Not glazed, 1¾ in. thick.

Delivered Prices

Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.

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Pittsburg.

Market News.

Since writing my last notes several weeks ago, trade has been fair, society affairs numerous, with also an unusual amount of funeral work. Stock is abundant and good, with prices very little changed. Roses are somewhat lower, but carnations hold their own, at from $1.50 per 100 up; the quality is all that could be desired. Tulips and narcissus move somewhat slow; Harrisil lilies are in good demand, and not any too plentiful.

The weather the past week was the worst we've had so far this Winter—very trying for greenhouses, and the strong wind did some harm. The cold was intense, the thermometer being below zero for several nights in succession, with a sharp wind blowing through the smallest opening. The Phipps' Conservatories in Schenley Park suffered a little from broken glass, the wind blowing out any loose lights; otherwise we did not hear of any material damage.

Jottings.

One of the greenhouses of O. Heids, in Reserve Twp., was destroyed by fire during the cold spell.

Mrs. A. C. Patterson died last week. She was the mother of R. C. and Nathaniel Patterson, the well-known florists, who died within the past few years.

George Oesterle, who had charge of Randolph & McClement's conservatories for many years, has resigned his position, not being in the best of health.

W. Rolker, Henry Dreyer, of A. Hermann, New York, and S. S. Skidelsky, of Philadelphia, were recent visitors.

E. C. R.

Chicago.

State of Trade.

As we predicted the demand for flowers up to Lent kept pace with the supply, and prices were, if anything, slightly better, shipments for the New Orleans market for Mardi Gras, contributing largely to this condition. In fact, at all times this southern demand for northern-grown flowers is quite a factor, one house alone consigning to New Orleans, on Sunday, 21 packages. Most of the firms doing a shipping business have a southern trade. The keen, Wintry weather has continued all week; but this means plenty of sun, hence supplies are improving, especially in Beauty, which are now coming along finely.

In carnations the trade still keeps good, and in spite of the increased quantity planted last Fall, so far few have gone to waste.

Among Growers.

M. Wieland, Evanston, will, after this year, discard Daybreak carnation and in its place grow Genevieve Lord and Melba more extensively; also Lawson and other new ones. America will also be planted. Mary Wood is a favorite white, the suffusion of pink on it occasionally proving no objection to its selling qualities. Evanston is still a money-maker, and is always well loaded with buds and flowers. As a yellow Goldfinch will be dropped, Gold Nugget taking its place. Mrs. Frances Joost behaves very well. Violets that at one time did so well here are a failure, and carnations will hereafter be substituted. A general assortment of bulbous stock is grown and is now coming in good.

Jottings.

Wieland & Reich, of Evanston, closed up their store March 1, and will hereafter attend to their retail orders from the greenhouses. They have now a fine grade of tea roses and carnations that easily command a market. Beauty also are fine.

W. R. Roach, with Jerome B. Rice & Co., Cambridge, N. Y., was in the city this week, leaving again for the West. He reports a lively and very satisfactory business. Neal Jacobson was also a visitor looking up his old friends and calling on the big places before leaving for Philadelphia and his new position on Friday.

The sky-scraping Masonic Temple, when the wind is raging, is responsible for all kinds of accidents. On Saturday last, as August Jurgens was passing the alley, with his covered delivery wagon loaded with plants and flowers, the wind caught the wagon and turned it clean over, the wagon heater setting fire to the paper. August, who was not hurt, extinguished the blaze. The wagon was righted and the cut flowers delivered not much the worse, but $25 worth of plants were destroyed.

C. W. Johnson, formerly with W. N. Rudd, was in the city this week on his way to his new position in Seattle, Washington.

Paul Berkowitz, of H. Bayersdorfer & Co., Philadelphia, was also a caller, and reports very good trade. Ess.

Baltimore.

A Successful Show.

Baltimore has solved the exhibition question. To have a successful show, do not charge an admission fee. Our carnation display on Monday last, at the Royal Arcanum Hall, was a great success. There being no admission fee lots of ladies and gentlemen took advantage of viewing this fine exhibition. The advertisement the growers and dealers received was sufficient recompense for their trouble.

Carnations were in abundance—fine stock, grand flowers, demonstrating good culture. I. H. Moss's Mrs. Bradt were great; he received a certificate for same. White Cloud and Melba, from the same exhibitor, vied with Jubilee in the strength of stem and size of flower.

Halliday Brothers made a large showing, for which they received a certificate. Their America were finest in red; Gold Nugget and Scott also showed up superbly, while Mack Richmond, with its intensity of color, proves itself a seller of the first order. Gomez, shown by Halliday Bros., is a splendid dark variety. Jubilee, from some growers, made one think that, despite adverse criticism, Jubilee must be a good variety after all.

Woodfall Bros. had some good seedlings. They love this work and no doubt before many moons Anne Arundel County will show that she produces as good seedlings as can be found anywhere. Lehr Bros., also from Anne Arundel County, showed fine Jubilee and Daybreak, for which they received a certificate. Their violets were of fine color, with strong stems.

Fritz Bauer was ready to scent the hall with mignonette—good stock grown by a good grower, just as are his carnations in pots.

Halliday Bros. have been growing C. M. Wagner's carnation seedlings; these are fine flowers, but lack somewhat in carriage. The stems no doubt will improve with culture. Awarded honorable mention.

John Cook's large white carnation seedlings showed what can be done with a flower by a careful hybridizer. The habit and size of blooms are grand. Certificated.

The new rose Baltimore showed up well; a delicate light pink *a la* Captain Christy, should make it a favorite. Awarded a certificate.

The Ruxton Floral Co. showed cucumbers, and Henry F. Michell, Philadelphia, brought us his new plant stand, for which he received a certificate of merit. The same exhibitor also showed carnation Mrs. Bertram Lippincott, receiving honorable mention for it.

Mr. Holden, for Mrs. Robert Garrett, showed some wonderful cinerarias; they were the attraction of the show. Why can't the florists sell these fine things when in bloom; rich colors, seen in no other class of plants! Mr. Holden's exhibit was awarded a certificate of merit.

Halliday Bros. had some fine large Boston ferns and palms on exhibition.

Among late comers were Weber & Sons, Oakland, with Genevieve Lord and others. Sorry they were not present earlier in the game.

The American Rose Co., Washington, showed the Ivory rose in perfection. It is a go.

The club meeting at night, with a general good time, ended a successful exhibition day. May they come often!

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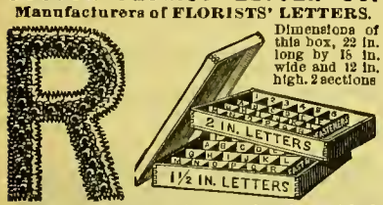

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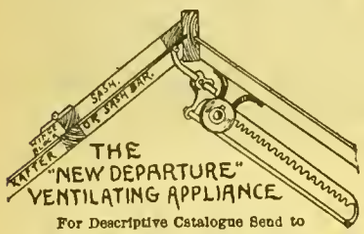

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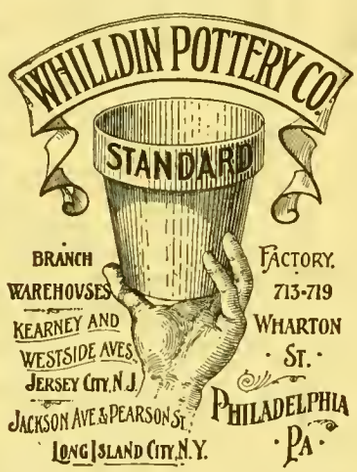

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Cincinnati.

Business Satisfactory.

Business during the past week has been all that one could desire; stock has been fairly good, but somewhat limited. Carnations have held up fairly well and prices are up to the top notch, fancies selling at $4 and $5, ordinary at $2. Roses still remain scarce. Lily of the valley is plentiful, at $4. Tulips are coming in and fetch $3 and $4; narcissus, $3.

We are now passing through another cold spell; the thermometer registered 10 degrees below zero Sunday morning. So far I have not heard of any damage.

I am also glad to report that the new carnation "Enquirer" is not splitting the calyx so badly, and Mr. Witterstaetter informs me that he thinks the cause was the brick in bottoms of benches drying out too fast;, that since he made this discovery and gave the bottom a good watering the splitting has nearly stopped.

H. H. Ritter, of Dayton, O., was a caller Saturday.

Carnation growers take notice that our next meeting is for your benefit, and occurs Saturday, March 10. At this meeting we expect a fine exhibit, and will look for many novelties.

George S. Bartlett was in Sandusky, Saturday, on business.

The floral work at the funeral of the late A. W. Whelpley, public librarian, was the best I have seen in this city for some time. One specially fine piece was a crescent wreath made of bronze galax leaves; on base of same was a large bunch of Meteor roses. It was the work of Miss Critchell. A wreath of palm leaves on an easel was another fine design.

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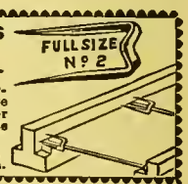

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IMPERIAL LIQUID PLANT FOOD

When used upon **CARNATIONS** growers find that they "have larger and finer flowers, with stiffer stems"

IMPERIAL LIQUID VEGETABLE FERTILIZER
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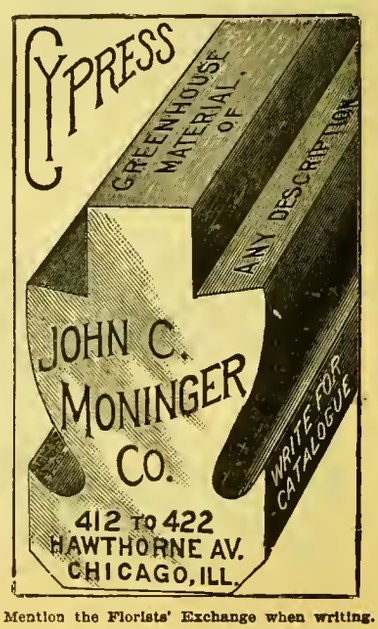

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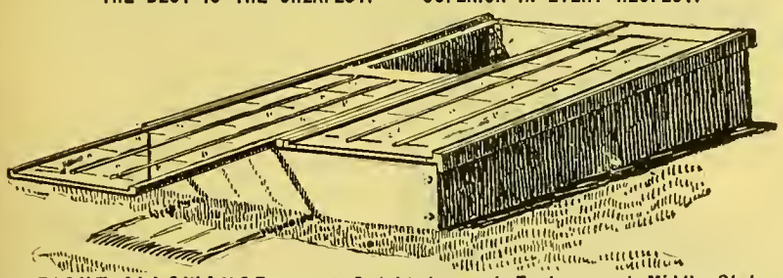

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LENGTH OF SECTION 5 FEET.
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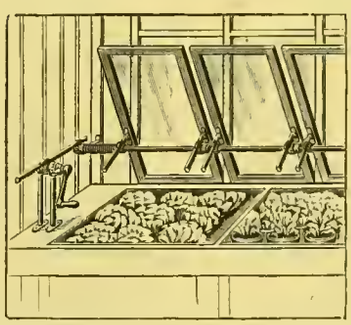

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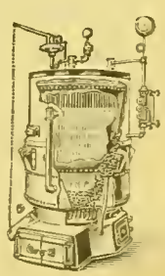

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Stems, fresh packed, bale or case of 300 lbs., $1.50.
Dust, fresh ground.....100 lbs., $2.25; 200 lbs., 3.50.
Extract .....gallon, $1.25; 5 gallons, 4.25.
Nikoteen ....$1.50 per pint; 5 pints, 7.00.
Soap .....30c. per lb.; 25 lbs., $5.00.
Full line of Insecticides and Appliances.
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ANTHERICUM PICTURATUM, 3 inch pots $5 per 100; 4 in. pots, $8 per 100.

DRACÆNA INDIVISA 4 in. pots, $1 per doz.; 5 in pots, $1.50 per doz.

UMBRELLA PLANT 3 in. pots, $5.00 per 100.

PHŒNIX RECLINATA $6.00 per doz.

GERANIUMS Asst., best varieties only, from soil, $2.50 per 100; $20.00 per 1000.

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PALM LEAVES FOR PALM SUNDAY. For Church use. THE CLOSED KIND. Orders taken now for shipment whenever desired. Small, $7.50; large, $15.00 per 1000.
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A SPECIAL LOT OF 1,000,000 FANCY CUT FERNS

Write for Prices.

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ROOTED CUTTINGS

All stock enumerated below sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded. At 100 rates rooted cuttings will be shipped prepaid; at 1000 rates at purchaser's expense by express.

HARDY PINKS. We have 50,000 Hardy Pink Rooted Cuttings in cold house, well-rooted, and in excellent condition. 8 sorts as follows:

Her Majesty. Giant white.
Alba Fimbriata. White, fringed.
Brunette. Pink, with maroon markings.
Earl of Carlisle. Variegated maroon, rose and white.
Juliette. Cherry red, variegated pink and white.
Gertrude. White, maroon markings.
Laura Wilmer. Pink, with darker shadings, fringed.
May. Beautiful flesh pink, very fragrant.
$1 00 per 100; $8.00 per 1000.

Salvia splendens compacta. $1.00 per 100; $8.00 per 1000.
Lady Hume Campbell Violet. Clean, no disease; rooted cuttings from sand. 60c. per 100; $5.00 per 1000.
Double Petunia. Labeled, 25 sorts. $1.25 per 100; $10.00 per 1000.
Giant Double Alyssum. 75c. per 100; $6.00 per 1000.
Clematis Paniculata. Transplanted seedlings; nice, thrifty plants, $2 00 per 100.
Heliotrope. Eight sorts, labeled. $1.00 per 100; $8.00 per 1000.
Fuchsias. 25 varieties, best sorts, labeled, single and dbl. $1.25 a 100; $10 a 1000.
Strobilanthes Dyerianus. $1.00 per 100.
New Pink Trailing Lantana, Mrs. McKinley. $1.25 per 100; $10.00 per 1000.

CARNATIONS See Florists' Exchange Jan. 20, or send for list.

REX BEGONIAS Well-established young plants, from sand bed, mixed, in fine assortment, $1.50 per 100; $12.50 per 1000.

50,000 COLEUS Now rooted, clean and free from mealy bug. GOLDEN BEDDER and GOLDEN VERSCHAFFELTII, 75c. a 100; $6 a 1000. RED VERSCHAFFELTII and 30 other best commercial sorts, 75c. a 100; $5 a 1000.

Madeira Vine Roots. Fine plump tubers. 60c. per 100; $4.00 per 1000.

A. B. DAVIS & SON, Purcellville, Va.
(Near Washington, D. C.)

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Large plants, transplanted in cold frames, grown from a superior strain:

50 cts. per 100; $3.50 per 1000; $15.00 per 5000.

WHITTON & SONS, Wholesale Florists,
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A CHANCE.

5000 Pteris Adiantoides

Out of 2 inch pots, $2.00 per 100.
Strong for Fernery.

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GEN. GRANT, single, 2 inch, $2.00 per 100; 3 inch, $3 00 per 100.

MRS. FISHER CARNATIONS, from soil, $1 00 per 100; 2½ in. pots, $2.00 per 100.

Chrysanthemums, Merry Monarch Bonnaffon, and Merry Xmas, $2.00 per 100.
Cash with order.

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A Few Good Things You Need.

	Per 100.
Dracæna Indivisa, 3 in. pots,	$1.00
" " from flats,	1.00
Irgonia, Crimson King, 2½ in.,	3.00
" " " 4 in.,	5 00
Cyclamen Giganteum, 2½ in.,	3.00
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Umbrella Plants, 5 in.,	10.00
" 4 in.,	7.00
" 3 in.,	4.00
Smilax, from flats,	.75
Begonia Erfordi, rooted cuttings,	1.00
Salvia Splendens, " "	1.00
Impatiens Sultani, " "	2.00
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California Privet, good, strong one-year-old plants, $3 per 100, $20 per 1000.
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Mention the Florists' E[illegible]

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RHODODENDRONS,	AZALEAS,
SPIRÆA JAPONICA,	LILIUM SPECIOSUM
PÆONIES,	BLEEDING HEART
POT GROWN LILACS,	HYDRANGEA IN SORTS.

CLEMATIS and H. P. ROSES, in the best sorts.

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1000 Lilium Longiflorum 7 to 9, 6 in pots, just right for EASTER. Write for prices.

Boston Ferns, ready for shifting, 2½ in., 6 cts.; 3 in., 10 cts.; 3½ and 4 in., 18 cts.
Geraniums, Sallerei, Mrs. Tayler, Walnut and Rose, cut back, 2½ cts.
Vinca Major, 2½ in., 2½ cts.
Trailing Lantana, just what you want for vases, baskets, etc., 2½ cts.
Begonias, in variety, 2½ cts.
Guaphalium, fine for baskets, 2½ cts.
Panicum Variegatum, 2½ cts.
Achyranthes, 2½ cts.
Coleus, Verschaffeltii, Beckwith Gem in variety. R. C., $1.00 per 100.
Ageratum, Tapis blue, dwarf and the best blue to date, 2½ cts. White Cape, dwarf, extra fine white flowers, 2½ cts.
Tradescantia Multicolor, **Double Sweet Alyssum,** 2c. CASH, PLEASE.

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Best Methods of

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Being a collection of thirteen leading essays, selected from a large number submitted in competition. Each essay is accompanied by diagrams illustrating the system advocated.

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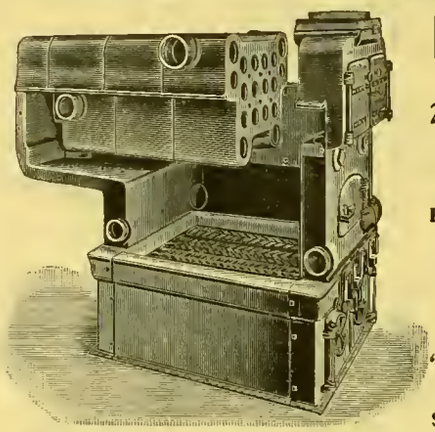

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Nineteen Sizes.

Perfect Sash Raising Apparatus.

Rosehouses, Greenhouses, Etc., of Iron Frame Construction erected complete or the Structural Iron Work shipped ready for Erection.

Iron Frame Benches with the

"Perfect Drainage Bench Tile"

for Slate Tops.

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5,000,000 Hardy Cut Ferns, 7 c. a 1000, to 5000 lots; smaller lots, $1 a 1000. First quality **Sphagnum Moss,** 50c. bbl; second grade, 35c. bbl. **Bouquet Green Roping** well made, 4c yard. **Laurel Roping,** hand made, 4c. yrd **Bouquet Green,** loose, 2½c lb. Cash with all orders for these prices, and goods shipped at an hour's notice. All orders by mail or dispatch promptly attended to.

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LAUREL FESTOONING
MOSSES and **FERNS**
A SPECIALTY

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MILLINGTON, MASS.
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PREPARED TROPICAL PALMS AND CYCAS LEAVES



Send for Catalogue.

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PREPARED PALM MATERIAL.

Selected **Palmetto Leaves,** good shape with long stems. Three sizes: Small, Medium and Large.—



Dried and Cured only, $5, $6 and $7 per 1000.
Prepared and Pressed Leaves, only need painting, $12, $15 and $19 per 1000.
Prepared and Painted, for decorating or to make up into plants, $4, $6 and $8 per 100.
Raw Cycas Leaves, dried and pressed, $14, $21 and $40 a 1000. **Raw Areca and Chamadorea Leaves,** dried and pressed, $12, $15 and $20 per 1000. **Palm Fibre,** for making up plants, 10c. per lb. **Needle Pines,** $1.00 per 100. Prepared Cycas Leaves, Cycas Wreaths. All varieties of Dried Palm Leaves, Artificial Smilax.

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For latest prices green and bronze **Galax Leaves** and **Leucothoe,** address the introducer,
HARLAN P. KELSEY,
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NEW CAPE FLOWERS

"New" Enameled POTCOVERS superior to anything in the market.
Any color you desire.

6 inch.....$3 per dozen	9 inch.....$6 per dozen	11 inch.....$8.25 per dozen
7 inch..... $4 per dozen	10 inch.....$7 per dozen	12 inch.....$10.00 per dozen
8 inch..... $5 per dozen		

Stands to match 75 cents each.

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Orders Filled and Booked Now for the Fall. . . .

RHODODENDRONS $35.00 to $65.00 per 100.
LILACS in all varieties, for forcing, $45.00 per 100.
H. P. ROSES all true to name, $75.00 per 1000; $10.00 per 100.
CRIMSON RAMBLERS extra, $20.00 per 100.
AZALEA Mollis, from $25.00 to $35.00 per 100. **Pontica,** from $35.00 to $45.00 per 100.
PAEONIAS in variety, from $10.00 to $15.00 per 100.

SPIRAEA COMPACTA MULTIFLORA $4.00 per 100.
GLADIOLUS All colors, mixed, No. 1, $9 00 per 1000. All colors, mixed, No. 2, $7.50 per 1000. Light and white, $14.00 per 1000.
TUBEROSES, The Pearl 4x6, $6.50 per 1000.
GLOXINIAS ERECTA Extra, $40.00 per 1000.
TUBEROUS ROOTED BEGONIAS— Single, separate varieties, $25.00 per 1000. Double, separate varieties, $40.00 per 1000.

All varieties of **LILIES** on hand.

CYCAS REVOLUTA The true long leaf variety, will arrive in April. Write for special prices to

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We are a straight shoot and aim to grow into a vigorous plant.

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL.

Vol. XII. No. 10. NEW YORK, MARCH 10, 1900. One Dollar Per Year.

Having Purchased the Entire Stock of the

New Chrysanthemum Col. D. Appleton

We Are Now Ready to Book Orders For It.

This is a magnificent yellow variety of immense size, and is equally desirable for commercial purposes or for exhibition. It is the most valuable chrysanthemum, all things considered, that has been sent out for some time. In 1898 it was exhibited before the New York Committee, when "American Gardening" stated that it was the best seedling brought before that committee that year. "Gardening" stated in 1899, that the Chicago Committee, before which it was exhibited, considered it one of the best chrysanthemums seen in Chicago for a long time. The high value placed upon it by the several committees before which it was exhibited last season will best be shown from the fact that it was awarded not less than 91 points on both commercial and exhibition scales, scoring as high as 95. It is a phenomenal record for any chrysanthemum to score so high both for exhibition and commercially, and **Col. D. Appleton** certainly has a great future.

The flower is a magnificent Japanese incurved, bright yellow, of immense size, measuring 22 in in circumference, with a depth as great as its breadth, not showing any center, lower florets reflexing to the foliage. Besides its immense size and beautiful color, another point in its favor is its almost faultless stem and foliage. Stem is strong, carrying the flower erect; foliage strong, but not too large, and grows fully up to bloom. An idea of the great value of this variety can best be obtained when it is stated that the flowers were sold to one of the leading New York florists last season, who paid $5.00 a dozen for the entire crop.

STRONG PLANTS, 2¼ inch pots, $3.50 per doz.; $25.00 per 100.

We have a very fine collection of **CHRYSANTHEMUMS.**

Among other sorts we can offer as follows:

Silver Wedding, Mlle. Lucie Faure, Polly Rose, **$6.00 per 100.**

G. J. Warren, Mme. Ferlat, Mme. Edmond Roger, Adele, Robt. Owen, Jr., Pride of Ryecourt, Mrs. F. A. Constable, Meta, Pride, Mme. Georges Bruant, Pres. Nonin, etc., **$5 a 100.**

Pres. Graham, Mrs. Perrin, Peter Kny, Vivland-Morell, etc., **$4.00 per 100.**

Mrs. O. P. Bassett, Mrs. H. Weeks, Black Hawk, J. H. Woodford, Mrs. M. A. Ryerson, Evangeline, Eureka, George W. Childs, Pink Ivory, Glory of the Pacific, Lady Fitzwygram, Mrs. S. T. Murdoch, Modesto, Mutual Friend, Mrs. Jerome Jones, Ivory, W. H. Lincoln, Maud Dean, Major Bonnaffon, Culliugfordii, etc., **$3.00 per 100.**

Complete list of the above and also of all other new varieties will be found in our descriptive catalogue, which will be sent on application to any one who may not have received it.

WE ARE ALSO AGENTS FOR THE **LIBERTY ROSE**

This is having a phenomenal sale. Customers wishing early delivery should place orders without delay. Strong plants, 2¼ in pots, **25 plants at 50 cts. each; 50 plants and less than 100 at 30c. each; full hundred lots and up at 25c. each.**

Grafted plants, 25 plants at 60cts. each; 50 plants and less than 100 at 50 cts. each; full hundred lots and up at 40 cts. each.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

ORDERS BOOKED NOW In order of receipt, for Rooted Cuttings of the Famous....

Mrs. Thomas W. Lawson,

The $30,000 Queen of **CARNATIONS** FOR SPRING DELIVERY.

COMMENCING FEBRUARY 1st, 1900.

Prices:	
	Per dozen $3
	Per 100 . . . . . $14
	Per 1000 . . . $120
	Per 5000 . . . $500
	Per 10,000 . . $800

TERMS: Strictly Cash, or C.O.D. from Unknown Parties.

The quoted prices are for THE TRADE ONLY, and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower.

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

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LILIUM LONGIFLORUM BULBS COLD STORAGE.

GUARANTEED IN PERFECT CONDITION.

The keeping of this variety of lily bulb dormant in cold storage is a success. Florists who planted them last year in the months of March, April, May and June received very fancy prices for the flowers and are planting on a larger scale this year. We have reserved a limited quantity for this purpose, and offer them until sold for delivery during Spring and Summer months as follows:

			Per 100	Per 1000
6 to 8 in. bulbs,	400 in a box ...	EVERY FORCER OF BULBS SHOULD	$6.00	$50.00
7 to 9 " "	300 "		9.00	80.00
8 to 10 " "	250 "	TRY SOME OF THESE.	15.00	

Tuberoses.—Double Pearl.

Bulbs measuring 4 to 6 inches in circumference,
25c. per doz.; **75c.** per 100; **$6.50** per 1000.

3 to 4 inches in circumference, **15c.** per doz.; **50c.** per 100; **$3.75** per 1000, or bbl. of 2,000 bulbs for **$6** Every bulb can be depended upon to flower.

Gladiolus.—First Size Bulbs.

Gladiolus. All colors, mixed. This mixture will be found to contain a liberal percentage of white and light kinds and equal to some some of the best mixtures sent out. The bulbs are a little irregular in shape, which does not interfere with their flowering qualities in the least.
Per dozen, **15c.**; 100, **75c.**; 1000, **$6.50.**

Begonias—Tuberous Rooted.

Single Flowers. White, pink, red, yellow and scarlet; separate colors or mixed. Bulbs 1¼ in. and up in diameter. Each, **5c.**; per doz., **40c.**; per 100, **$2.50**; per 1000, **$20.**

Double Flowers. Each, **10c.**; per doz., **65c.**; per 100, **$5**; per 1000, **$15.**

Caladium, or Elephant's Ear

Sound bulbs, with good, live centre shoots.
5 to 7 inches in circumference,
40c. per doz; **$2.25** per 100; **$20** per 1000.
7 to 9 inches in circumference,
60c. per doz.; **$3.75** per 100; **$35** per 1000.
9 to 12 inches in circumference,
$1 per doz.; **$7** per 100; **$60** per 1000.
12 in. and up circum., **$1.50** per doz.; **$10** per 100.

Gloxinias.

Bulbs of large size, measuring 1¼ to 3 in. in diameter.
Finest Mixed.
50c. per dozen; **$3** per 100; **$27.50** per 1000.
Separate Colors. White, red, blue,
60c. per doz.; **$4** per 100.

Richardia alba maculata. (Spotted Calla.)
45c. per doz.; **$3** per 100; **$25** per 1000.

Dahlias.

Dry Roots, Field Grown.

Storm King. Best white for florists. Perpetual bloomer. **30c.** each; **$3** per doz.; **$20** per 100.

Choice Named Varieties. Pompon, Cactus, Show and Fancy. (*See Catalogue, page* 24.)
10c. each; **$1** per doz.; **$8** per 100.

Cocos Weddeliana Seed.

New Crop Now Ready
Per 1000, **$7.00**; 5,000 seeds, **$30.00.**

Latania Borbonica.

New Crop Seed.
$2.00 per 100; 5,000 for **$9.00.**

Asparagus Plumosus Nanus.

Plants from Seed Bed. (Now ready.)
$25 per 1000; **$3** per 100.
Seed, $9.00 per 1000; **$1.00** per 100.

Caladium—Fancy Leaf.

PRICE, dormant tubers, choice named kinds, about 10 distinct new sorts, **$12** per 100; **$1.75** per doz.; **20c.** each.
Mixed, Fine Varieties.....$7.50 per 100; **$1** per doz.; **12c.** each.

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Fine Strong Stock, Ready for Immediate Shipment.

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MAUD DEAN
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ARLINE
ROSE OWEN
and many others

50 cents per dozen; $3.00 per 100.

INDEPENDENCE, OCTOBER SUNSHINE, **75 cts. per doz.; $4.00 per 100.**

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MAYOURNEEN
ADMIRAL DEWEY
WILLOWBROOK
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HARRY A. PARR
SILVER WEDDING
MRS. F. L. BUTTON

75 cents per dozen; $5.00 per 100.

PRIDE OF RYECROFT **$1.00 a doz. $6.00 a 100.** KING OF YELLOWS **25 cts. each. $2.50 a doz.**

A full line of all the Novelties and Best Standard are described in our 1900 List, mailed to any florist upon receipt of his address.

THE COTTAGE GARDENS, Queens, N. Y.

C. W. WARD, Manager.

AN OLD PROVERBIAL SAYING



is that "March comes in like the Devil" is wrong, we will admit, but we assure you that you can't go wrong on these prices.

BEGONIAS. Tuberous-rooted, single, separate colors, 45c. per doz; $2.75 per 100; extra selected, 40c. per doz.; $2.50 per 100.

GLOXINIAS. Separate colors, extra selected, 60c. per doz.; $4.50 per 100.

CALADIUMS. Large Size, $8.00 per 100.

TUBEROSES. 1st Size, 4 to 6, $1 per 100; $7.00 per 1000.

MADEIRA VINES. 50c. per doz.; $1 per 100.

CINNAMON VINES 1st Size, 50c. per doz.; $2.50 per 100.

Mention this paper. **WM. ELLIOTT & SONS,** 54 and 56 Dey St., N. Y.

SPRING BULBS.

Begonias Single Tuberous Rooted. Scarlet, Crimson, Rose, Salmon, Yellow, White and Mixed, per doz., 50 cts.; per 100, $3.00.

Gloxinias, extra choice mixed. 60 cts. per doz; $4 00 per 100.

Madeira Vines, 3oc. per doz.; $2.00 per 100.

Crinum Esculentum (Elephant's Ear). 5x7 inch, 50 cts per doz.; $2.50 per 100. 7x9 inch, 75 cts. per doz; $4 00 per 100. 9x11, $1 00 per doz.; $6.00 per 100.

Cannas, dormant roots, Dwarf French. $2.00 per 100.

SPRING SEEDS.

ASTER Semple's, in Pink, White, Lavender, Purple, Crimson, 15 cts. per package; 75 cts. per oz.

Queen of the Market, White, Crimson, Rose, Light and Dark Blue, 15 cts. per package; 60 cts. per oz.

Cobæa Scandens, 10c. a package; 40c. per oz.

Phlox Nana Compacta, Firehell, 25 cts. per package; $2.50 per oz. Snowhill, 25 cts. per package; $2.00 per oz.

Salvia Nana Compacta, Bonfire, 25 cts. per package; $3.00 per oz.

Salvia Silver Spot, 25 cts per package.

STUMPP & WALTER CO., 50 BARCLAY ST., NEW YORK.

Best Quality at Lowest Rates.

ROMAN HYACINTHS,

NARCISSI, FREESIA,

and other French Bulbs for forcing.

BERNARD SON, 29 Boulevard du Musée Marseille, France.

Bulb Grower and Exporter.

Established 1872. Bulbfields-Hyères, Ollioules.

WHOLESALE ONLY.

Mention the Florists' Exchange when writing.

ESTABLISHED 1802

THORBURN'S SEEDS

Our Wholesale Price List of

Choice Flower Seeds

FOR FLORISTS

Is now ready. A post card will bring it to you. We have still on hand some of our

LILY OF THE VALLEY PIPS

The finest that come to this country; per 1000, $10.00. Cases of 3000 at $9.00 per 1000.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Mention the Florists' Exchange when writing.

DOUBLE PEARL TUBEROSE BULBS

Sound, healthy stock, No. 1—4 inches up, at $1.00 per 100; $6.00 per 1000. No. 2—3 to 4 ins., 50 cents per 100; $3.00 per 1000.

CHAS. BLACK, Hightstown, N. J.

Mention the Florists' Exchange when writing.

H. ZIJP & CO.

UITGEEST, HOLLAND,

Inform their Clients in the United States and Canada that Mr. H. Zijp will arrive at New York about March 14th.

Please address all correspondence to him, till May 7th. care of

MESSRS. KNAUTH, NACHOD & KUHNE, NEW YORK.

Mention the Florists' Exchange when writing.

Fern Spores

Do you grow your own Small Ferns?

Is your collection complete?

We are headquarters for fresh Fern Spores.

Prices: Any variety, $1 per pkt.; $7 per doz.; half pkts., 60 cts. each, $6 per doz.

Try a pkt. of our MIXED SPORES at $1. Contains sufficient to produce 3000 or more plants.

EMERSON C. McFADDEN,

U. S. Exotic Nurseries, Short Hills N. J.

Mention the Florists' Exchange when writing.

GERMAIN FRUIT CO.'S

California Grown Seeds.

SPECIALTIES:

Wax Beans,	Cosmos,	Onion,
Lima Beans,	Verbenas,	Lettuce,
Salt Bush,	Asters,	Celery,
Bermuda Grass,	Tree and	Carrot,
Johnson Grass,	Shrub Seeds.	Parsnip,
Sweet Peas,		Salsify.

Calla, Freesia, Amaryllis Bulbs, Pampas Plumes. Correspondence Solicited.

LOS ANGELES, CAL.

Mention the Florists' Exchange when writing.

JAPAN LILIES { Auratum, Rubrum, Album

We have a good stock of these bulbs, which are scarce this season.

For prices see our "Book for Florists."

CALADIUM ESCULENTUM Clean, sound bulbs, 5-7 in., $3.00; 7-9 in., $4.50; 9-12 in., $8.00. Lots of 250 at 10 per cent. lower.

ASPARAGUS PLUMOSUS NANUS. We are Headquarters for best American grown seed. Per 100, $1.25; per 1000, $10.00; 5000 for $46.00.

ASPARAGUS SPRENGERI Per 100 seeds, 60 cts.; 250 seeds, $1.25; 1000 seeds, $5.00; 3000 seeds, $13.50.

TUBEROSE BULBS Excelsior Dwarf Pearl, Mammoth bulbs, 6 to 8 in., $1.25 per 100; First size bulbs, 4 to 6 in., $1.00 per 100; $7.00 per 1000 (3000 for $20.00); Medium size bulbs, 3 to 4 in., 50 cts. per 100; $3.00 per 1000.

JAPANESE FERN BALLS Per dozen, $4.00.

New York—VAUGHAN'S SEED STORE—Chicago

Mention the Florists' Exchange when writing.

TUBEROSES=The Pearl

Size, 4 to 6 inches circumference, Per 1000, **$6.50 Net.**

CASH WITH ORDER.

HULSEBOSCH BROS., Englewood, N. J.

Mention the Florists' Exchange when writing.

SEEDS for Profit

FLORISTS' FLOWER SEEDS

Sweet Peas

Wholesale Catalogue on application.

WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., New York City.

Mention the Florists' Exchange when writing.

BUTTERCUP OXALIS

Bulbs will be ready for July delivery.

MAMMOTH	$6.00 per 1000
1st SIZE	4.00 "
2d SIZE	3.00 "

California prices. On all orders of less than 1000 add 25 per cent.

CHAS. H. CAMPBELL, Richland, Cala.

Mention the Florists' Exchange when writing.

PALM SEEDS

FRESH ON HAND.

	100	1000	5000
Phœnix Tenuis	$0.75	$5 00	$13.50
" Pumila	1.00	8.00	22.50
Pandanus Utilis	1.25	10.00	27.50
Asparagus Plum. Nanus, true	1.25	9.00	26.50
" Sprengeri	.75	6.50	18.00

L. J. SCHILLER, 404 E. 34th Street, New York.

Mention the Florists' Exchange when writing.

COX SEED CO.

Wholesale Seedsmen

14 & 16 Ninth Ave., NEW YORK.

411, 413, 415 Sansome St., SAN FRANCISCO.

Mention the Florists' Exchange when writing.



DREER'S SPECIAL OFFER

OF SEASONABLE BULBS.

Tuberous Rooted Begonias. The finest strains obtainable.

Singles in separate colors	40c. per doz.	$2.50 per 100.	$20.00 per 1000
" " choice mixture	35c. "	2.00 "	18.00 "
Double in separate colors	85c. "	5.00 "	40.00 "
" " choice mixture	50c. "	4.00 "	35.00 "

New Frilled Begonia. A grand novelty with wavy petals, which are beautifully frilled like the finer forms of petunias. We offer strong bulbs, 25c. each; $2.50 per dozen; $20.00 per 100.

New Sun-Proof Begonia, Duke Zeppelin. The most brilliant of all the tuberous rooted varieties, flowers double, of the most dazzling pure scarlet, strong bulbs, 20c. each; $2.00 per dozen; $15.00 per 100.

Caladiums, Fancy Leaved. A choice assortment of 25 distinct varieties, strong bulbs, $2.00 per dozen; $15.00 per 100.

Caladium Argyrites. A fine lot of this most desirable and scarce miniature variety, which, if started at once, will make fine plants to use at Easter, good bulbs, $2.00 per dozen; $15.00 per 100.

Cosmia Aurea Imperialis. A summer flowering bulb of recent introduction, orange colored star-shaped flowers, 3 inches across, 30c. each; $3.00 per dozen.

Gloxinias in separate colors or in choicest mixture, fine sound bulbs, 50c. per dozen; $4.00 per 100; $30.00 per 1000.

Dahlias. Our collections embrace the best now grown; we offer:

1 set of Twelve Double Show Dahlias	$1.00 per set.		$8.00 per 100
" " " Fancy	1.00	"	8.00 "
" Six Superb Quilled	.50	"	8 00 "
" Twenty-five Choice Cactus	2.00	"	8 00 "
" Ten Superb Single	.85	"	8.00 "

Dahlia, Storm King or Blizzard, 25c. each; $2.50 per dozen; $20.00 per 100.

Monthretias. Seven fines varieties, 25c per dozen; $1.75 per 100; $15.00 per 1000.

Tigridia Conchiflora, Grandiflora Alba and Pavonia Grandiflora, 30c. per doz.; $2.00 per 100.

Caladium Esculentum, Gladiolus, Etc., Etc.

Mention this paper.

HENRY A. DREER, -- Philadelphia, Pa.

NEW CROP **WINTER-BLOOMING**

Carnation Seeds!

Hand Fertilized, 25c. per 100. Cash with order

AMERICAN ROSE CO., Washington, D.C.

Mention the Florists' Exchange when writing.

Excelsior Pearl TUBEROSE Bulbs,

3 to 4 inches in circumference, per 1000, $2.50. Cash with order.

Caladium Esculentum Bulbs,

Sizes four to twelve inches circumference, live center shoot. Write for prices to

JNO. F. CROOM & BRO., Magnolia, N. C.

Mention the Florists' Exchange when writing.

OUR NEW MARCH FIRST

Market Gardeners and Florists' Wholesale Catalogue

Is now ready, and if you do not receive a copy by mail, write for it.

SPECIAL OFFER OF BULBS.

	Doz.	100
BEGONIA, Tuberous Rooted—		
Single Mixed	$0 35	$2 00
Rose, Crimson, Scarlet, Pink, Yellow and White	40	2 50
GLOXINIAS, choice mixed	50	3 50

	100
CALADIUM Esculentum, small size	$3 50
Medium size	6 00
Large size	12 00
TUBEROSES, Double Pearl No. 1, per 100, 85c.; per 1000, $6.50.	

JOHNSON & STOKES, 217 and 219 Market Street, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

NOW IS THE TIME TO BUY

ASPARAGUS PLUMOSUS NANUS SEED—(Home grown), $1.00 per 100 seeds. $9.00 per 1000 seeds.

ASPARAGUS SPRENGERI SEED, New Crop—75c. per 100 seeds; $6.00 per 1000 seeds.

HENRY F. MICHELL
1018 Market St., Phila.
WHOLESALE PRICE LIST OF SEEDS, BULBS &c. ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS.

Mention the Florists' Exchange when writing.

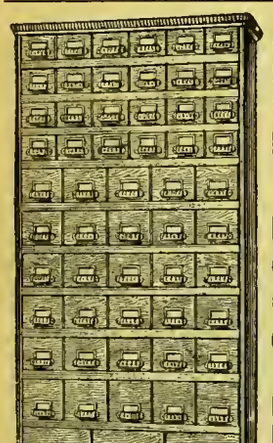
WE ARE GROWERS AND FOUNTAIN SOURCE OF FOLLOWING SPECIALTIES:

Lima Beans—Sush and Pole	These New Vars.	Cosmos, choice
Kentucky Wonder	California Giant Branching Comet Asters	Sweet Peas "
Tall Germ'n Wax	Centaurea Imperialis	Verbenas "
Cressebach	Dianthus, Oriental Beauties	Calla Bulbs, Freesia Bulbs
All other sorts Pole	Masterpiece Pansy	Seeds of all varieties of Acacias
Bermuda Grass	Winter Pineapple Muskmelon	Cypresses
Canalgre	Chilian Watermelon	Eucalyptus
Carrot	Australian Brown Onion	Palms
Celery	Triumph Radish	Thujas
Lettuce	Roselle, or Lemonade Plant	Musa Enseta
Onion	Asters, choice	Camphor Tree
Parsnip		Grevillea
Radish		California Big Tree
Salsify		California Redwood Tree, Etc.
Salt Bush		

Correspondence Solicited.

JOHNSON & MUSSER SEED CO., LOS ANGELES, CAL.

Mention the Florists' Exchange when writing.



SEED CASE
FITTED WITH HELLER'S STEEL SEED BOXES.
Mice and Insect Proof. Send for Catalogue.
HELLER & CO., Montclair, N. J.

Mention the Florists' Exchange when writing.

DANISH CAULIFLOWER SEED.

Early Dwarf Danish Snowstorm, selected up by my grower for a quarter century. Always uniformly good, solid, large white heads and early.

No matter what you pay, you cannot get a finer strain. Oz., $2.50. Sample free.

Prices on quantity on application.

A. E. WOHLERT, Importer, Altoona, Pa.

Mention the Florists' Exchange when writing.

Mrs. Shepherd's Grand New ZONALE GERANIUM SEED

"Good Venture Strain."

Saved from my Magnificent Collection of New Large Flowering varieties.

Snow White, Blush, Pink Shades, Scarlets, Crimson, Aureole types, Variegated in infinite variety. A SPLENDID MIXTURE. Send to

Mrs. THEODOSIA B. SHEPHERD,
Ventura-by-the-Sea, Cal., for trade list.

Mention the Florists' Exchange when writing.

VICK'S SEEDS

FOR FLORISTS.

All Home-Grown Seeds.

	¼ Oz.	Oz.
Aster, Vick's Daybreak, Pink	$1.50	$4.00
" " Purity, White	2.00	6.00
" Branching Comet, White	2.50	8.00
" Vick's Branching, in colors, White, Pink, Crimson and Purple, each	.25	.75

Trade List, also Garden and Floral Guide, now ready. Send for it.

JAMES VICK'S SONS, Rochester, N.Y.

Mention the Florists' Exchange when writing.

DAHLIAS!

The cream of the ilsts. Our stock includes the well-tried desirable older varieties as well as the latest acquisition. Booking order now. Be quick.

Undivided Roots in variety, $60.00 per 1000,

Our semi-annual trade list now ready.

THE WM. H. MOON CO.,
Glenwood Nurseries, MORRISVILLE, PA.

Mention the Florists' Exchange when writing.

BEGONIAS, TUBEROUS ROOTED — Finest Belgian and English strain, 1½-2 in.— Single, in 5 separate colors ..... Doz. $0.40, 100 $2.50, 1000 $20.00; Double, in 5 separate colors, 1-2 in. 65, 5.00, 45.00

GLOXINIAS — Choicest sorts, mixed, 1-2½ inch ..... .45, 3.00, 25.00

TUBEROSE EXCELSIOR PEARL DOUBLE — Extra fine, clean, white stock, 3-4 in. ..... .10, .50, 3.50; " " " 4-6 in. ..... .20, 1.00, 7.00

CANNAS — Favorite sorts, at $2.00, $3.00 and $4.00 per 100. Send for List.

GLADIOLI — Separate colors and mixed.

CALADIUM — Esculentum, 5-7 in., 40c. per doz.; $2.50 per 100. 7-9 in., 60c. per doz; $4.00 per 100. 9-11 in., 80c. per doz.; $6.00 per 100. Fancy leaved, 1-2 in., $1 per doz.; $8 per 100.

LILIUMS—Auratum, Rubrum, Album, READY for Spring planting.

SEEDS.

	Doz.	100	1000	5000
Asparagus Plumosus Nanus	$0.15	$1.00	$8.50	$40.00
" Sprengeri	.10	.60	5.00	20.00
Cocos Weddelliana	.15	.90	6.50	30.00
Latania Borbonica		.30	2.25	10.00

SWEET PEA SEED — All standard sorts ..... 1lb., 30c.; 10 lbs., $2 50. Eckford's Choicest Hybrid Mixed ..... 1lb., 25c.; 10 lbs., $2.00.

CINERARIA, PRIMULA, PANSY, READY. Send for List.

FERN BALLS, FERN WREATHS, from Japan, arrived. See adv., March 3d.

Cycas Revoluta, due shortly. Send for prices. Small stock scarce. Don't get left.

H. H. BERGER & CO., 47 Barclay St., NEW YORK.

Mention the Florists' Exchange when writing.

Clematis Paniculata and Ampelopsis Veitchii

$40 to $70 Per 1000. $35 to $50 Per 1000.

We have the above in large quantities, two and three years old, field-grown.

California Privet, Prices on application.
Arbor Vitæ, American, 15 to 20 in., transplanted last year, per 100, $2.00.
Dwarf Box, per 100, $1.50 to $4.00.
Japan Maple Atropurpureum, 18 to 24 inches, per 100, $25.00.
Silver Maple, 8 to 10 ft., per 100, $7.00.
Horse Chestnut, 5 to 8 ft., per 100, $18 00.
Virginia Creeper, two years, per 100, $5.
Shrubs, per 100, $4.00 to $6.00.
Hydrangea Paniculata Grandiflora, one year, per 100, $2.00.
Norway Maple, 6 to 7 ft., per 100, $7 50; 9 to 10 ft., not straight, per 100, $12.00; 10 to 11 ft., not straight, per 100, $15.00. Above are good for transplanting.

ROSES.

Climbing Victor Verdier, heavy, per 100, $6.00.
Felicite Perpetue, per 100, $6.00.
Francois Levet, strong, 2 years' old, extra fine, per 100, $7.00.
Russell's Cottage, per 100, $7.00.

SEND FOR OUR WHOLESALE LIST.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Mention the Florists' Exchange when writing.



Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Chicago, Ill., President; ALBERT MCCULLOUGH, Cincinnati, First Vice-President; F. W. BOLGIANO, Washington, Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

Government Seed Contract.—A local paper of Memphis, Tenn., announces that the contract to supply the U. S. Government with seeds has been awarded to the Ullathorne Seed Company, of that city—"the first time that the contract for the whole of the United States has been awarded to a Southern firm."

The average annual value of beans and peas, exported from this country to China, from 1894 to 1898, was $654.

CALIFORNIAN SEEDS

Contract Prices for 1900 Harvest on Application.

WHOLESALE ONLY.

PERRY WATSON & CO.,
SACRAMENTO, CAL.

Mention the Florists' Exchange when writing.

FANCY-LEAVED CALADIUMS

	10	100
Bulbs 1½ to 2½ inches in diameter, 15 to 25 varieties	$2 50	$20.00
Bulbs, 1 to 1¼ inches in diameter, 6 to 8 varieties	1.50	12 00

The first size will make grand specimen plants or stock bulbs. No larger or finer are in the market.

LATANIAS and PHŒNIX.

	100
Latanias, 4 inch pots, 2-3 characterized leaves	$20.00
Latanias, 5 inch pots, 4-5 characterized leaves	30.00
Phœnix Reclinata, Canariensis and Pumila, 15-18 inches	20.00
Phœnix Reclinata, Canariensis and Pumela, 20-24 inches	30.00

Not less than 50 at above rates.

GRAFTED ORANGES and LEMONS.

	10	100
10 to 15 best varieties, 4 inch pots, 10-12 inches high	$2.50	$20.00
10 to 15 best varieties, 4 inch pots, 15-18 inches high	3.50	30.00
10 to 15 best varieties, 4 inch pots, 20-24 inches high	6,00	

	100	1000
1,000 Prairie Roses, very strong		$7.00
1,000 Moss Roses, "		7.00
2,000 Hybrid Wichuraiana (Manda's),	5.00	$40.00

Quotations include packing.

P. J. BERCKMANS CO., Augusta, Ga.

Mention the Florists' Exchange when writing.

European Notes.

The cold wave has left us, at any rate for the present, and once more we are having a soft time, which has a relaxing effect upon everything and everybody. It is not, of course, possible to form an accurate estimate of the injury done by the frost to the growing plants, but already we find that yellow-fleshed turnips and rutabagas have suffered severely.

The effort to eliminate the neck and develop the lateral growth of Swedes appears in some of the most extensively cultivated varieties to have rendered the young plants more susceptible to the ravages of frost, and if we add to this the fact that owing to the prolonged drought of last year the plants were very imperfectly developed, it is easy to understand why they have suffered so severely.

The Sweet Pea Bicentenary bids fair to be a great success, and although it is primarily to celebrate the introduction of the sweet pea into Great Britain, it has already assumed an international character. Mr. R. Dean, V. M. H., the courteous secretary, is of a very optimistic disposition, but he admitted to the writer to-day that the support the scheme had received already exceeded his most sanguine expectations. Something like £200 has already been subscribed and the list of donors is increasing every day. Benary, Burpee, Carter, Cooper, Taber & Co. and Hurst & Son are well to the fore, and the success of the celebration is already assured.

What splendid decorative plants the improved hybrid strain of Primula stellata furnishes? Under the name of the The Lady and seedlings therefrom, Cannell has recently exhibited a very splendid collection, including most of the best colors of the fringed section, with plants full of bloom and vigor growing quite two feet in height. Seedsmen should boom this line. EUROPEAN SEEDS.

CATALOGUES RECEIVED.

THEODOSIA B. SHEPHERD, Ventura, Cal.—Illustrated Descriptive Catalogue of Plants, Seeds, Bulbs, Palms, Cacti, etc.

J. PALMER GORDON, Ashland, Va.—Catalogue of Roses, Bedding Plants, etc.

VICK & HILL, Rochester, N. Y.—Wholesale Price List of Bulbs, Plants, Roots, etc.

DRUMM SEED AND FLORAL CO., Fort Worth, Tex.—Illustrated catalogue of Seeds, Plants, Small Fruits, etc.

QUAKER CITY SEED CO., Philadelphia.—Catalogue of Field, Flower and Garden Seeds—Illustrated.

J. C. WILLIAMS, Montclair, N. J.—Catalogue and Price List of Fruit and Ornamental Trees, Vines, Plants, etc.

J. L. SCHILLER, New York City.—Catalogue of Seeds, Bulbs and Plants, with a list of novelties. Well printed and illustrated.

SOAR BROS., Little River, Fla.—Wholesale Price List of Plants, Bulbs, Seeds, etc.

THE WM. H. MOON COMPANY, Morrisville, Pa.—Catalogue of Glenwood Nurseries; very complete and handsomely illustrated with many half-tone reproductions from life; Japanese blood-leaved maple a specialty.

JOHN FORBES, Hawick, Scotland.—Catalogue of Florists' Flowers and Hardy Border Plant, also Price List of Caledonia begonia, the ivory-white sport of Begonia Gloire de Lorraine, together with colored illustration of the variety.

BENJ. HAMMOND, Fishkill-on-Hudson, New York.—Illustrated Catalogue of Slug Shot, Grape Dust and other Insecticides and Fungicides, with directions for their use.

FLORILEGIUM HARLEMENSE.—Part II of this publication is to hand. It contains beautiful colored representations of hyacinth Queen of the Blues, tulips, Imperator rubrorum and Couronne des Roses, also of various Ixias, together with descriptions thereof.

The VALUE OF SEED SELECTION

Is shown not only in the IMPROVEMENT of standard strains, but occasionally also in the development (by selection of a single plant) of what is practically a new variety.

The letter published below is from the winner of the **SEVEN HUNDRED AND FIFTY DOLLARS** in **CASH PRIZES**, in the great *American Agriculturist* contest for the **BEST AMERICAN GARDEN OF 1899.**

The Value of Seed Selection.

One of the most, if not *the* most, essential factors in the successful garden is the selection of good seed The richest soil and the most thorough cultivation can in no way compensate for the losses occasioned by the failure of the seeds to grow; and money unwisely expended for seeds whose only recommendation is their cheapness is worse than thrown away.

In the great National Garden Contest of the *American Agriculturist* of 1899 it was evident from the first that nothing short of the very best seeds could answer the requirements. Our long and always satisfactory experience with W. Atlee Burpee & Co. fully convinced us that their seeds could be relied upon; fortified with this knowledge, we entered that contest fully assured that in so far as the factor of good seed could contribute to success theirs would in no way be found wanting. This assurance, together with an abiding faith in the truism that "blood will tell," induced us without any farther consideration to place our entire order with this reliable firm The results more than justified our highest expectations, as the Grand Prize-Winning Garden was planted exclusively with Burpee's "Seeds that Grow."

With always a hearty recommend for your firm and its seeds, I have the pleasure to remain, Very truly,

J. E. MORSE,
DETROIT, MICH.

Feb. 21, 1900.

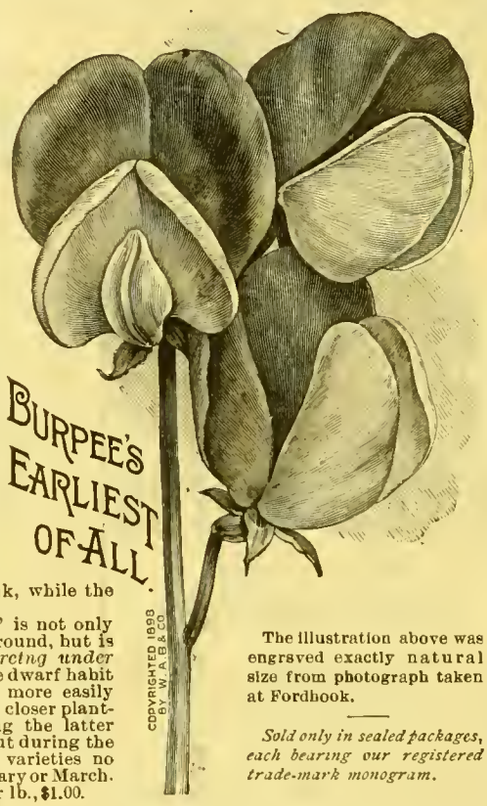
A notable illustration in this line is the

Sweet Pea—Burpee's "EARLIEST OF ALL."

Notwithstanding their dwarf habit and neat, slender foliage, the plants are of vigorous growth and come into bloom **always ten days to two weeks in advance of the Extra Early Blanche Ferry,** which has been heretofore a week ahead of all all other varieties. Growing only two feet in height, the plants do not require the support of brush or trellis. As an illustration of its extremely early-flowering habit, we would state that October 15th we had plants in fine bloom *from seed gathered from our spring planting* and sown during the latter part of August. A constant succession of bloom may be had from June until November by making sowings about one month apart. Its extremely early-flowering habit makes it most satisfactory for the Southern States, as it may be easily had in full bloom before the hot summer weather. The flowers are as large as those of the regular strains of *Blanche Ferry*, and have long, stout stems, making them entirely satisfactory for cutting; they are borne in close clusters of three, all facing one way. The standards are a bright, rich pink, while the wings are nearly pure white.

BURPEE'S "EARLIEST OF ALL" is not only the earliest to bloom in open ground, but is also *the most desirable for forcing under glass for winter cut flowers.* The dwarf habit of this variety renders it much more easily grown on the benches, admits of closer planting, and from seed sown during the latter part of August blooms may be cut during the holidays, while with the taller varieties no blooms could be had before February or March.

Per oz., 10c.; per ¼ lb., 30c ; per lb., $1.00.



The illustration above was engrsved exactly natural size from photograph taken at Fordhook.

Sold only in sealed packages, each bearing our registered trade-mark monogram.

Burpee's "Blue List."

Our Wholesale Price List of Seeds in Larger Quantities is mailed free on application to GARDENERS AND FLORISTS.

Burpee's Farm Annual

Written at FORDHOOK FARMS—the largest trial grounds in America. Tells about all the BEST SEEDS THAT GROW, including some valuable "NEW CREATIONS" for 1900. Liberal Cash Prizes. Useful Leaflets and New Vest Pocket Guides to Success, free to all customers.

The National Prize Garden (in Michigan), that won seven hundred and fifty dollars cash prizes in the great *American Agriculturist* contest, was planted exclusively with BURPEE'S SEEDS, which are always THE BEST THAT GROW!

☞ Every one who would grow choice vegetables or most beautiful flowers should carefully study **"The Leading American Seed Catalogue." Write TO-DAY** (a postal-card will do). **It is FREE!**

W. ATLEE BURPEE & CO.

PHILADELPHIA.

☞ In writing for "BURPEE'S BLUE LIST" ask also for THE FARM ANNUAL, if not already received.

IN THE OPEN GROUND

we recommend the planting of BURPEE'S EARLIEST OF ALL for first cutting. The season of these popular "pink and white" Sweet Peas can then be prolonged, by *planting at the same time* the EXTRA EARLY BLANCHE FERRY, which will come into bloom ten days to two weeks later. This in turn can be followed by the regular stock of BLANCHE FERRY, which will begin to bloom about ten days later than the EXTRA EARLY BLANCHE FERRY.

For true stocks of the above and all other Sweet Peas, please consult **pages 92 to 107 of**

Burpee's "Blue List" for 1900

which tells more about Sweet Peas than any other catalogue published.

A NEW FEATURE

in **Burpee's "BLUE LIST"** that will be of special interest to growers who **plant for profit,** is the "plain talks" we give at the head of every department, as to **just the best varieties** for different purposes.

W. ATLEE BURPEE & CO.

Producers of Only THE BEST Seeds that Grow,

BURPEE BUILDING, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

Two Comparative Reports from well-known Seed Growers in California.

VENTURA, CAL., Feb. 8, 1900.

W. ATLEE BURPEE & CO., Philadelphia, Pa.

Gentlemen: Replying to yours of January 29th requesting me to note differences I have found between the "*Extra Early Blanche Ferry*" Sweet Pea and "BURPEE'S EARLIEST OF ALL," will say that I have grown the two in comparison in the years 1896, 1897 and 1899, procuring the first mentioned pea from D. M. Ferry's packets so marked, and have in these years found the **"EARLIEST OF ALL," TRUE TO NAME, coming in general bloom fully ten days before** the other mentioned pea showed scattering flowers. This pleasing *peculiarity* of such *general* early blooming, together with its uniform dwarfish habit has made my fields of this pea conspicuous to many visitors. I append a record from my diary as follows:

1896.....planted March 6. Full Bloom May 19th.
1897..... " January 26. " " April 14th.
1899..... " February 1. " " " 9th.

The year 1898 Mr. Alvord grew the stock, and failed to keep a record as desired, or to grow the Blanche Ferry's for comparison I sent him. I think this pea should be closely grown yearly for sure typical results. There can be no question, I think, of the appropriateness of the name of your pea when properly grown, nor of its described habit.

Yours truly,
THOMAS GOULD.

GILROY, CAL., Feb. 12, 1900.

W. ATLEE BURPEE & CO., Philadelphia, Pa.

Gentlemen: My attention has been called to the claim that "BURPEE'S EARLIEST OF ALL" Sweet Pea is the same as the *Extra Early Blanche Ferry.* This is far from my two years' experience of these two varieties.

In 1898, when "EARLIEST OF ALL" was introduced, it was by far the earliest blooming Sweet Pea we had; it came into bloom *two weeks earlier than Extra Early Blanche Ferry.* In 1899 my experience of 1898 in regard to early blooming was again verified. Last summer I sowed seed harvested from plants which were sown in spring. The "*Earliest of All*" came into bloom in fall, while *Extra Early Blanche Ferry* did not bloom at all. The "*Earliest of All*" were the only Sweet Pea flowers we had last fall.

Besides this difference in time of flowering, the "EARLIEST OF ALL" is dwarfer in growth, and foliage is more refined and graceful. There is no foundation to the claim that these two varieties are the same.

Yours respectfully,
WALNO ROGNEET.

Four Recent Letters from Florists who have grown "Earliest of All" under glass.

WASHINGTON, D. C., Feb. 5, 1900.

W. ATLEE BURPEE & Co., Philadelphia, Pa.

Gentlemen: We are more than pleased to testify to "BURPEE'S EARLIEST OF ALL" Sweet Peas. The variety blooms under glass fully ten days earlier than any *Early Blanche Ferry* we have ever used, and those we have used were direct from the Western originators. Very truly yours,

AMERICAN ROSE CO.

We have experienced great satisfaction in forcing "BURPEE'S EARLIEST OF ALL SWEET PEAS." The bed is a mass of color and this is a house where other varieties failed to bloom at all.

BOLLET & HOSNADAY, Ponca City, Oklahoma.

MOORESTOWN, N. J., Feb. 3, 1900.

W. ATLEE BURPEE & Co., Philadelphia, Pa.

Dear Sirs: Yours of 2nd inst. received. As to the BURPEE'S EARLIEST PEA I can say: Your claims for it are fully borne out by my experience. It is dwarfer, bears earlier, and is truer to type than the Extra Early Blanche Ferry. The last time I planted Extra Early Blanche Ferry they were sown in house by September 1st, and only a few bloomed before latter part of March; the few that bloomed were true; the remainder were apparently just the same as the old Blanche Ferry in foliage, bloom, etc. I have noticed this year a very slight tendency to rogue or revert in your stock. I will moreover say that the stock of the Extra Early Blanche Ferry I mention above was highly recommended by a prominent Philadelphia seedsman as being absolutely true and reliable. Relying on this I planted them under the proper conditions for the true Extra Early, and consequently the crop was almost an entire loss.

I hope there may soon be some other colors as good for forcing as your Earliest.

Yours very truly,
EDWARD HABEIS.

[NOTE—Our crops the past season were again carefully rogued of all the taller growing, thicker stalked plants of the *Extra Early Blanche Ferry* type.

The seed this season we feel sure, will not throw more than 2 per cent. of the E. E. B. F., all balance being of the distinct, dwarfer *Earliest of All Type.*—W. A. B. & Co.]

MISS ELLA INSLEY, Naouet, N. Y., Feb. 14, 1900, writes: I planted your EARLIEST OF ALL SWEET PEAS in my greenhouses about the middle of August last, under different conditions. They began to flower about November 25th, and have continued to bloom steadily ever since.

I planted a few *Extra Early Blanche Ferry* about a week later under conditions not quite as favorable, and they have not bloomed, but are just beginning to show buds.

The latter is a rank grower, although the *Earliest of All* are about six feet tall in one house, yet in the other house they are dwarfer. The "EARLIEST OF ALL" produces the flowers with long stems; the color of the flower is brighter and deeper than in the *Blanche Ferry*, while the flowers are more lasting. When they fade they do not have a purple cast, but a soft pink.

I have had no experience as yet with the *Earliest of All* out of doors, but shall be glad to report results when I do.

I should have mentioned that the house where the *Earliest of All* are dwarfer did not begin to bloom until the first of January; they were planted a week later than the other house, and it is a very much cooler house and does not have as much sunshine.

Notes from Europe.

ORCHIDS.

European growers are giving much attention to chemical fertilizers, basic slag especially being much used as a phosphate, without danger, in all soil for potting and other purposes. American reports on experiments are eagerly studied here (perhaps more so than at home?). For orchids the famous "terre de bruyère" of the Belgian growers is in many establishments very largely used. This is the surface soil that is naturally formed in the woods—leaves more or less decomposed, with fine sand that the wind carries from the adjoining very sandy grounds. The Belgians use this material for everything in the garden, from azaleas to vandas, bay trees to palms, etc. The growth of oncidiums, odontoglossums, etc., is enormous, and the flower spikes correspondingly so. At De Langue—Vervæne's, Brussels, I noticed especially Oncidium sarcodes with branched stems of 4 feet and more. This grower is the introducer of the Papilio cyclamen—a fine thing, more floriferous than the older forms but not as yet sufficiently fixed. A. A. Peters, Brussels, grows Vanda cærulen splendidly in leaf mould. This old master grower told me he is not carrying out the resting of orchids so severely as used to be the case—his success supports his theory well. A well-known and excellent grower in Hamburg seems, in some cases, at least, to be of the opposite opinion. He told me that to grow Oncidium var. Rogersii well he "reimports" them every year, meaning that, the growth finished, he allows them to get as dry as an imported plant is, and practically re-establishes them every season. His results are good, too, but, of course, his plants don't look so fat as those that are less severely treated.

A good hint from a specialist of cypripediums: Don't grow them in pots; they don't like the coolness that is caused by the evaporation through the porous earthenware. His experience is of long standing, and the difference of the growth in pots and boxes is all and very strongly in favor of the boxes. These he makes himself of peak pine, thin boards. The boxes have much the shape of the usual flower pots, perhaps a letter deeper, and are eight-cornered. The same specialist said, "The value of my flowers is much enhanced by their long stems (insignes are referred to). Just as the bud pushes up I shade a little and give a little more heat.

Apropos, coolness of the pot, Linden, at Brussels, has adopted open benches for his orchids altogether—narrow wooden strips, 2 to 3 inches apart, form the bottoms of the benches; the pipes being below them, of course, the pots and root material are always fairly warm.

GREENS.

From a specialist of greens I took a hint in growing Asparagus Sprengeri like Asparagus plumosa, on strings. The result two or three years after planting out: Fine shoots, up to 8 or 10 feet in length. Lygodium scandens (perhaps also the palmatn of North America) is useful grown on quickly in a similar manner during the Summer, to string the shoots singly, or two together, otherwise they will be too heavy; and when the shoots are finished slowly dry off the benches altogether and gradually lower the temperature to 40 degrees. They will then, in December, be ready to keep well a couple of days in a cut state. The plants keep for months while perfectly dry at the root.

CARNATIONS.

I have seen American varieties of carnations here, grown in the American way with good results, but I think the finest South of France and Italian varieties are still finer than the American. Soleil de Nice and Comtesse de Paris are free-blooming and fine yellows. The English Malmaison crosses are decidedly fine. The new set introduced by Sander & Co., are a splendid little collection. Should they not be useful for hybridizers?

PALMS.

Nothing can beat the Linospadix Petrickiana as a decorative palm "solitaire." I notice Geonoma intermedia and G. gracilis in large quantities about the leading nurseries. These palms are much more graceful than Cocos Weddeliana, according to my taste, and I am assured quite as hardy as the little cocos. Livistona rotundifolia has ever been my favorite as a small palm for decorative use; it wants a good temperature, though.

I will say something about the lilac and its culture in my next. T. E.

AMSTERDAM, N. Y.—J. C. Hatcher is expecting to occupy, within a short time what will be, when finished, the most handsome store between New York and Chicago. He hopes to be settled in it before Easter, at which time a full description of the store and conservatory, with view, will be presented to the readers of the EXCHANGE. M.

13,000 HYDRANGEA P. G.
Price, 2½c. to 10c., according to size.
1,000 Standard Hydrangea, No. 1, 20 cts.
35,000 ROSES, on own roots, including 7,500 Crimson Rambler.
PRIVET is selling freely, 25,000 yet to offer. Hardy Nursery stock exclusively. Send list of wants for prices.
HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.
Mention the Florists' Exchange when writing.

EASTER STOCK
1,000 **MARGUERITE DAISIES,** 5-8 inch pots, in excellent condition.
10,000 **GERANIUMS,** in bloom, 4-5 in. pots.
500 **AZALEAS.**
PANSIES, best strain.
BELLIS PERENNIS, 3 varieties.
HELIOTROPE.
AGERATUM, Etc.
C. E. KOCH, 326 Clarkson St., Tel. Call 164 Flatbush. **Brooklyn, N.Y.**
Mention the Florists' Exchange when writing.

P. OUWERKERK
1123 Summit Ave., Jersey City, N. J.
Just received from our Holland Nurseries
RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM
PÆONIES, BLEEDING HEART
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.
PRICES MODERATE.
Mention the Florists' Exchange when writing.

1000 Lilium Longiflorum 7 to 9, 6 in. pots, just right for EASTER. Write for prices.
Boston Ferns, ready for shifting, 2½ in., 6 cts.; 3 in., 10 cts.; 3½ and 4 in., 18 cts.
Geraniums, Salleroi, Mrs. Taylor, Walnut and Rose, cut back, 2½ cts.
Vinca Major, 2¼ in., 2½ cts.
Trailing Lantana, just what you want for vases, baskets, etc., 2½ cts.
Begonias, in variety, 2½ cts.
Gnaphalium, fine for baskets, 2½ cts.
Panicum Variegatum, 2½ cts.
Achyranthes, 2½ cts.
Coleus, Verschaffeltii, Beck with Gem in variety. R. C., 75 cts. per 100.
Ageratum, Tapis blue, dwarf and the best blue to date, 2½ cts. White Cape, dwarf, extra fine white flowers, 2½ cts.
Tradescantia Multicolor, **Double Sweet Alyssum,** 2c. CASH, PLEASE.
A. J. BALDWIN, Newark, Ohio.
Mention the Florists' Exchange when writing.

PLANTS
For Easter Flowering.
Lilies, Azaleas, Rhododendrons, Geraniums, Hellotrope, Fuchsias, Etc.
Order early before they bloom as the flowers are liable to injury in transportation.

BOSTON FERNS.
N. Exaltata Bostoniensis. Small plants, $5.00 per 100; $40.00 per 1000; not less than 250 at 1000 rate. Large plants, $8.00 to $20.00 per 100.
—ALSO A FINE LOT OF—
Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 inch, $3.00 per doz.
Areca Lutescens, 50c. to $3.00 each.
Latanias, from 75c. to $3.00 each.
Asparagus Plumosus, $1.00 to $1.50 doz.
Asparagus Sprengeri, 3½ in. pots, $1.50 per doz.
WM. A. BOCK, No. Cambridge, Mass.
Unknown correspondents will send cash with orders. Connected with Telephone.
Mention the Florists' Exchange when writing.

W. C. BECKERT SEEDS VEGETABLE FLOWER BULBS ALLEGHENY, PA.
Semple's Aster
Choicest Home-Grown Seed, in white, shell-pink and lavender, ¼ oz., 25c.; oz., $1.00.
Catalogue on application, of leading flower and vegetable seeds for florists and market-gardeners.
W. C. BECKERT, Allegheny, Pa.
Mention the Florists' Exchange when writing.

PRIMULA OBCONICA HYBRIDUM
Extra Fine Stock, in Full Bloom.
If repotted now will make excellent plants for EASTER TRADE.
3 inch Pots, $3.00 per 100.
NATHAN SMITH & SON, Adrian, Mich.
Mention the Florists' Exchange when writing.

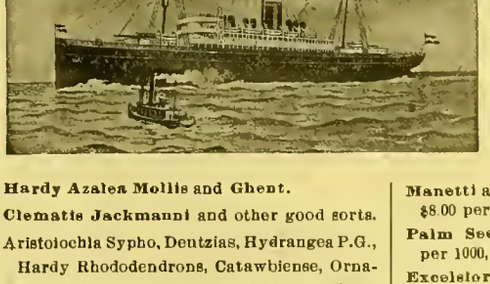
..WE.. HAVE **JUST RECEIVED FROM HOLLAND**
H. P. Roses, Crimson Rambler, Hardy Rhododendrons, Hydrangeas, Magnolias, Hardy Azaleas, Clematis, Etc. Write for prices.
BOBBINK & ATKINS, RUTHERFORD, N. J.
Mention the Florists' Exchange when writing.

EASTER AND SPRING, 1900 Orders Filled and Booked Now for the Fall. . . .
RHODODENDRONS $35.00 to $65.00 per 100.
LILACS in all varieties, for forcing, $45.00 per 100.
H. P. ROSES all true to name, $75.00 per 1000; $10.00 per 100.
CRIMSON RAMBLERS extra, $20.00 per 100.
AZALEA Mollis, from $25.00 to $35.00 per 100. Pontica, from $35.00 to $45.00 per 100.
PAEONIAS in variety, from $10.00 to $15.00 per 100.
SPIRAEA COMPACTA MULTIFLORA $4.00 per 100.
GLADIOLUS All colors, mixed, No. 1, $9.00 per 1000. All colors, mixed, No. 2, $7.50 per 1000. Light and white, $14.00 per 1000.
TUBEROSES, The Pearl 4x6, $6.50 per 1000.
GLOXINIAS ERECTA Extra, $40.00 per 1000.
TUBEROUS ROOTED BEGONIAS— Single, separate varieties, $25.00 per 1000. Double, separate varieties, $40.00 per 1000.
All varieties of **LILIES** on hand.
CYCAS REVOLUTA The true long leaf variety, will arrive in April. Write for special prices to
F. W. O. SCHMITZ, Jersey City, N. J.
Mention the Florists' Exchange when writing.

AZALEAS FOR EASTER
We offer a very fine lot of AZALEAS, comprising the most distinct and best varieties in cultivation, embracing all shades of crimson, white, pink and rose color. They are shapely specimens, well "headed," double and single flowered, and will make splendid plants for Easter decoration. It is almost impossible to ship Azaleas when in bloom and have them arrive in good condition, hence the necessity of procuring them in advance before the buds open.
ORDER EARLY. NOTE THE SIZES.

Prices of Azaleas:	Per doz.	Per 100
10 to 12 inch heads, established plants, in pots	$5 00	$40 00
12 to 14 " " " " "	6 00	50 00
14 to 16 " " " " "	9 00	70 00

Six sold at dozen rates, 25 at 100 rate.
PETER HENDERSON & CO., 35 and 37 Cortlandt St., **NEW YORK.**
Mention the Florists' Exchange when writing.


HOLLAND-AMERICA LINE STEAMER
CARRYING LARGE CARGO OF
Ornamental Plants
FROM THE
Boskoop (Holland) Nursery Ass'n
TO
C. H. JOOSTEN, Importer,
85 Dey St., New York,
CONSISTING OF
Hardy Azalea Mollis and Ghent.
Clematis Jackmanni and other good sorts.
Aristolochia Sypho, Deutzias, Hydrangea P.G., Hardy Rhododendrons, Catawbiense, Ornamental Evergreens, Snowballs, Spiræa Thunbergi, Weigelias.
Standard Tree Roses, Crimson Ramblers and Hydrangeas.
Manetti and Multiflora Rose Stocks, strong, $8.00 per 1000.
Palm Seeds, fresh Kentia Belmoreana, per 1000, $4.50; per case of 3500, $14.00.
Excelsior English Mushroom Spawn, per 100 lbs., $6.00.
Excelsior Dwarf Pearl Tuberoses, extra size, 4½-6 inches, per 100, $1.00; per 1000, $7.50; larger quantities, special.
Cash with order, please.
Send for Catalogue of Spring Flowering Bulbs and Roses. All Stock Offered of First Quality.
PLANT SEASON NOW OPENING. SEND YOUR ORDERS NOW and have first choice of varieties. Always send shipping directions.
C. H. JOOSTEN, Importer, 85 Dey St., NEW YORK.
Mention the Florists' Exchange when writing.

BEFORE PLACING ORDERS **SECURE OUR PRICES** ON ALL LINES OF STOCK.

THE SUGAR MAPLE

Is a beautiful tree at all seasons, and no better variety can be used for **Street, Park, or Lawn Planting,** as its growth is rapid and straight, its form symmetrical, and it does not have the objectionable density of foliage possessed by the Norway Maples. For this reason it is well adapted for planting near buildings, as it does not obstruct light or air, and being **deep rooted the grass will grow up to its very trunk, which is a very strong point in its favor.** No tree has more gorgeous Autumn coloring, as it varies in all shades of yellow, orange and scarlet until the leaves finally fall. It was a sagacious popular instinct which selected this as one of our best trees for ornamental planting, and in some of the old places on the Hudson River long avenues were planted with it three quarters of a century ago, and they are now worth a long journey to see. We have an extra large stock of magnificent trees, many times transplanted, which we know offer at the following low prices:

	10	100	1000
10 to 12 ft. In height, 1¼ to 1½ inches in diameter . . .	$5.00	$33.50	$290.00
12 to 14 ft. " 1½ to 1¾ " " . . .	6.00	35.00	300.00
14 to 15 ft. " 1¾ to 2 " " . . .	10.00	75.00	500.00

ANDORRA NURSERIES WILLIAM WARNER HARPER, Prop., Chestnut Hill, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

F. & F. NURSERIES

SPRINGFIELD, NEW JERSEY.

Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.

Mention the Florists' Exchange when writing.

THE STORRS & HARRISON CO., Box 936, PAINESVILLE, OHIO.

Leading American Nurserymen, offer one of the Most Complete Assortments of

FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.

46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

Mention the Florists' Exchange when writing.



I HAVE A FINE STOCK OF PEARS, APPLES, CHERRIES, QUINCES, PEACHES, PLUMBS, many in bearing sizes; **20,000 SHADE TREES,** all kinds and sizes; **500 LINDENS,** 10 to 16 feet; **300 GOLDEN OAKS,** 8 to 16 feet; **15,000 EVERGREENS,** 2 to 10 feet; **10,000 SHRUBS,** 2 to 5 feet; **20,000 CALIFORNIA PRIVET,** 2 to 4 feet; **2000 COLORADO BLUE SPRUCE,** 2 to 4 feet; **3000 ARBOR VITÆ TREES,** 2 to 7 feet; **10,000 HARDY ROSES,** Crimson, Yellow and White Ramblers, x strong, own roots; **1200 PURPLE BEECH,** 4 to 9 feet; **CLEMATIS,** x-strong, **GRAPE VINES, ASPARAGUS, RHODODENDRONS, AZALEAS,** 2 to 3 and 4 feet.

Florists, Landscape Architects, Superintendents of Parks, or any others wanting stock should call on me or write.

STEPHEN CRANE, Prop. Norwich Nurseries, **Norwich, Conn.**

Mention the Florists' Exchange when writing.

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogues on application. Send estimate of wants for prices.

THE WM. H. MOON CO., GLENWOOD NURSERIES, **Morrisville, Pa.**

Mention the Florists' Exchange when writing.

HARDY HERBACEOUS PLANTS

Of these I have an immense stock. The following list must be sold this Spring. All strong, field-grown plants and in prime condition. Special rates will be made on large lots.

PRICE PER HUNDRED, PACKED.

1,000	Achillea, "The Pearl"	$2 50
1,500	" "Ceriae Queen"	6 00
600	Anthemis tinctoria	4 00
600	Antirrhinum major	6 00
600	Aster, Novæ-Angleæ rosea	5 00
2,600	Astilbe Japonica	3 00
200	Baptisia Australis	4 00
250	Bocconia cordata	6 00
500	Boltonia latisquamæ	5 00
200	Campanula persicæfolia grandiflora	8 00
200	Campanula persicæfolia grandiflora alba	8 00
600	Carnation Marguerite	6 00
300	Chrysanthemum lacustre	4 00
400	Clematis Davidiana, 2 years	5 00
500	Convallaria majalis	2 50
2,000	Coreopsis lanceolata (true)	3 50
1,000	" grandiflora	3 50
300	Delphinium sinensis	5 00
200	" elatum	6 00
250	Dianthus, "Her Majesty"	5 00
600	" barbatus, Sweet William	5 00
400	Digitalis purpurea	6 00
2,000	Dicentra spectabilis	6 00
700	Euphorbia corollata	3 00
4,000	Funkia ovata (blue)	4 00
1,500	Gaillardia aristata grandiflora	4 00
3,000	Helianthus Maximiliana	3 00
1,000	" mollis	3 50
3,000	Hemorocallis Dumortieri	5 00
5,000	" fulva	3 00
2,000	**Hollyhocks,** New Allegheny, strong, field-grown	10 00
200	Iberis Tenoriana	5 00
10,000	Iris, German, 12 named sorts	3 50
15,000	" Japanese, 12 named sorts	6 00
1,500	" nudicaule	3 00
6,000	Lavendula vera	5 00
200	Liatris picnostachya	$5 00
500	Lychnis flos cuculi plenissima	8 00
400	Monarda didyma splendens	5 00
5,000	Nepeta glechoma	2 50
2,000	" " variegata	3 00
	Œnothera Youngii	5 00
1,000	Opuntia vulgaris	4 00
12,000	**Pæonias, Double,** 25 choice named	10 00
5,000	" " mixed	8 00
500	Pardanthus sinensis	3 00
4,000	Phlox, choice named	5 00
500	" Carolina ovata	5 00
2,000	" subulata	3 50
1,000	Penstemon barbatus Torreyi	5 00
500	Physalis Franchetti	6 00
500	Platycodon grandiflorum	5 00
600	" Mariesi	5 00
1,000	Ranunculus acris fl. pl	4 00
50,000	**Rudbeckia laciniata, "Golden Glow"**	2 00
400	" Maxima	6 00
500	" sub-tomentosa	5 00
500	Santolina incana	4 00
2,000	Sedum Maximum	4 00
1,500	Spiræa Filipendula, fl. pl	5 00
500	" palmata elegans	5 00
2,000	Tradescantia virginica	3 00
400	Valeriana officinalis	6 00
1,500	Veronica amethystina	4 00
400	" incana	5 00
600	" spicata	5 00
500	Violet, Double Russian	5 00

HARDY GRASSES.

1,500	Eulalia gracillima univittata	5 00
10,000	" Japonica variegata	5 00
600	" " Zebrina	8 00
800	Uniola latifolia	6 00

J. T. LOVETT, Little Silver, N. J.

Mention the Florists' Exchange when writing.

AMPELOPSIS VEITCHII 2 year, strong, per 100, $7.00.

Per 100

Clematis Jackmanii, 2 year, extra strong..$14 00
Standard Hydrangea, P. G., 3-3½ ft..... 18.00
Standard Lilacs, assorted, 3-4 ft..... 10.00
Standard Japan Snowball, 3½-4 ft.. ... 18.00

These prices are good only till surplus is reduced. **Send for list of other stock.** Roses, Herbaceous Plants, Ornamental Trees, Small Fruit and Fruit Trees

Jackson & Perkins Co., Newark, New York.

Mention the Florists' Exchange when writing.

FRUIT and ORNAMENTAL TREES,

Shrubs, Vines and Roses,

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., Geneva, N. Y.

Mention the Florists' Exchange when writing.

THE PINEHURST NURSERIES,

OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.

Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda nitida, Fothergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Dionæa muscipula, Lupinus diffusus, Phlox subulata, Sarracenias, etc., etc. **Ask for Trade Lists.**

Mention the Florists' Exchange when writing.

NORWAY MAPLES,

1000 8 to 10 feet.
1000 6 to 7 "
700 4 to 6 "
700 3 to 4 "
100 1 to 2 "

IRISH JUNIPERS.

500 3 to 4 feet.
500 2½ to 3 "
500 2 to 3 "

10,000 Peach Trees, General Assortment

The Maple and Juniper will be sold at very low prices in order to close out.

C. L. LONGSDORF,

Oak Hill Nurseries, Flora Dale, Adams County, Pa.

Mention the Florists' Exchange when writing.

Rhododendron Maximum.
Kalmia Latifolia.

In all sizes and any quantity.
Special rates on car-load lots.
A special opportunity.
Write for prices.

J. WOODWARD MANNING
1150 Tremont Building,
BOSTON, MASS.

Quotations on all other Nursery stock.

Mention the Florists' Exchange when writing.

CABBAGE PLANTS

Jersey Wakefield and other vars., from cold frames, transplanted, 25 cts. a 100; $1.50 a 1000; $12.50 a 10,000 if by mail, add 20 cts. per 100.

LETTUCE Boston Market, Tennis Ball, Curled Simpson, Grand Rapids, and other vars., 15c. per 100; $1 00 per 1000; $8.50 per 10,000; if by mail, add 10c. per 100.

TOMATO Small plants for transplanting, in several varieties, 15 cts. per 100; $1.00 per 1000.

PEPPER Small plants for transplanting, in several varieties, 25c. per 100; $2.00 per 1000. If by mail, add 10c. per 100.

EGG PLANTS New York Improved for transplanting, 25c. per 100, $2.00 per 1000.

CELERY Golden Self Blanching and White Plume, 15c. per 100, $1.00 per 1000

Other vegetable plants in season. Cash with order.

R. VINCENT, JR, & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

TREES! TREES!

Norway, Sugar and Silver Maples
Norway Spruce and Arbor Vitæ.

WM. J. CHINNICK, Trenton, N. J.

Mention the Florists' Exchange when writing.

Bismarck Apple

DWARF.

Large stock, strong 3 year trees, also light plants for mail and express trade. Write for prices, stating grade and quantity required.

Thomas Meehan & Sons, Germantown, Phila

Mention the Florists' Exchange when writing.

MAPLES

Norway, Sugar, Silver and Sycamore.

We have a few thousand well-grown trees of these, 8 to 10 and 10 to 12 ft. The quality is high, the price is low. Communicate with

W. P. BRINTON, Christiana, Pa.

Mention the Florists' Exchange when writing.

AMERICAN ELMS

8 to 10 ft., 1 to 1½ in. caliper. 25 Elms, 8 to 9 in. caliper, fine specimens, well developed heads. Send for price list.

SAMUEL C. MOON, Morrisville, Bucks Co., **Pa.**

Mention the Florists' Exchange when writing.

SURPLUS FOR SPRING 1900

Can yet do **PEACHES** and **JAPAN PLUMS** in limited quantity; also **MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY, STRAWBERRIES** from best leading varieties. Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.

ALEX. PULLEN, PROPRIETOR.

Mention the Florists' Exchange when writing.

IRISH and SWEDISH **JUNIPERUS**

		100	1000
8 to 9 inches,	transplanted	$5.00	$40.00
9 to 12	" "	6.00	50.00
12 to 15	" "	7.00	60.00
15 to 18	" "	8.00	75.00
18 to 24	" "	10.00	
24 to 30	" "	13.00	
30 to 36	" "	15.00	
15 to 18	" Saven Juniper	6.00	

Rooted Cuttings, ready in May, $20.00.

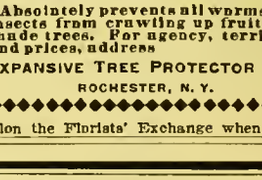
ROSES Clean, healthy plants, from 2 inch pots. Prices and samples to buyers on application. Am. Beauty, Golden Gate, Niphetos, Perle, Sunset, La France, Albany, Wootton, Testout, Bride and Bridesmaid. One-year-old dormant pot-grown Wootton, $5 per 100

ISMENE CALATHINA White summer-blooming Amaryllis, strong bulbs, first size, $12.50; second, $10.00 per 100.

JOSEPH HEINL, Jacksonville, Illinois.

Mention the Florists' Exchange when writing.

A Picture of the....



EXPANSIVE TREE PROTECTOR.

Absolutely prevents all worms and insects from crawling up fruit and shade trees. For agency, territory and prices, address

EXPANSIVE TREE PROTECTOR CO., ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

TREES

Fruit Trees, Small Fruits, including grapes. Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. **Rochester, N. Y.**

Mention the Florists' Exchange when writing.

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN

WILSON J. PETERS, Troy, O., President; D. S. LAKE, Shenandoah, Ia., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

The Deming Company, Salem, Ohio, make more than a dozen kinds of sprayers with brass working parts, patent automatic Kerosene Emulsion Sprayers, the wonderful Bordeaux Nozzle, Deming Vermorel Nozzle, etc. The Century Sprayer is one of their latest productions.

The Pinehurst Nurseries, Pinehurst, N. C., send us a copy of an illustrated pamphlet, entitled "Pinehurst, a Winter Resort in North Carolina for Health Seekers and Golfers," containing, among other things, an account of the firm's business.

The Vermont Experiment Station, after investigation, remarks that the simple conclusion may now be accepted as settled that sap of the maple at sugaring time flows both up and down, but not laterally around the tree trunk.

Government statistics show that the annual average value of nursery stock exported from the United States to Japan, from 1894 to 1898, was $335. In 1897 the yearly value had reached $1,051, and in 1898 only $2. Our imports from Japan, during the same period, show an average annual value of $17,564.

Nurserymen For and Against the Litchard Bill.—On February 28 there was another animated hearing before the Assembly Committee on Agriculture at Albany, on Mr. Litchard's bill to compel all nursery stock to be fumigated with hydrocyanic acid gas before it is sold or shipped. William L. Pitkin and Irving Rouse, representing the Eastern Nurserymen's Association, made strong arguments against the bill, while S. D. Willard and other fruit growers spoke in its favor. Mr. Pitkin said the bill was unnecessary and would greatly hamper the nurserymen without the positive assurance that it accomplished any good. He urged the committee to delay action on the Litchard bill until Congress had acted on the pending federal legislation, so that there would be no conflict between state and federal laws. Two years ago the New York Legislature passed a bill providing for the state inspection of all nursery stock. That law had worked well and to-day the nurseries of the Empire State were practically free from the San José scale. Mr. Pitkin asked the committee if it thought it would be fair to subject New York State nurserymen to restrictions that were not imposed on nurserymen in other states. In other words, trees could be shipped into the state that were not fumigated, while all trees shipped or sold in New York State would have to be. Besides, the nurserymen now have certificates from the State Department of Agriculture that their stock is in a healthy condition. Why should they be asked to submit to a second inspection. Mr. Pitkin also attacked the bill on the ground that hydrocyanic acid gas was a highly dangerous substance and there were those who declare it is explosive. Its use would mean risk to their employees and increase the liability of the employers. He did not believe its use should be made compulsory until its nature was better known. Mr. Willard then made a formal argument for the bill, which he alleged was absolutely necessary for the protection of the fruit growers.—Post Express.

CHANGES IN BUSINESS.

HAVERHILL, MASS.—E. W. Pearson, Newburyport, has been compelled to give up his branch here, owing to the local demand exhausting his supply.

SALT LAKE CITY, UTAH.—The Morris Floral Company has been incorporated, with a capital stock of $9,000.

NASHUA, N. H.—George E. Buxton has moved his store into Benson Block.

HARTFORD, CONN.—Edward Welch has purchased the Tunnel greenhouse, 14 Windsor avenue.

Symbiosis of the Heather.

Editor Florists' Exchange.

The foreman in charge of the department having oversight of these matters in the nursery of Thomas Meehan & Sons, places the following note on my table: I have no doubt but that the doctrine of symbiosis, sound in some degree, is, like many other scientific discoveries, pushed to the verge of absurdity. I have little idea that it has a place in the economy of the heather; but as we have it growing as if at home, I gave the writer the benefit of that little, by deciding to examine the roots for myself in the growing season. THOMAS MEEHAN.

DEAR SIR: After reading your communication to the FLORISTS' EXCHANGE, regarding symbiosis of the heather, I thought perhaps you would like me to call your attention to the fact that, in your lower greenhouses, there is a batch of C. vulgaris cuttings that were put in last October in pure sand. Over 90 per cent. have struck and are growing.

The Rev. Hugh MacMillan's fungus is evidently not necessary to the heather in the young state, or else it is a constitutional matter without which the heather would not be in existence.

ERNEST HEMMING.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

SITUATION wanted by A No. 1 designer and plantsman; state terms. N. R., care Florists' Exchange.

SITUATION wanted by young man for general greenhouse work or driver. Henry Bauer, 385 East 10th St., New York.

EXPERIENCED rose grower looks for position, best references, weekly payment preferred. N. N., care of Florists' Exchange.

QUICK young man, German, 20, four years' experience in greenhouses, desires position in a store to learn decorating and designing. Box 471, Lakewood, N. J.

SITUATION wanted by single man, American, 5 years' experience in up-to-date greenhouse work; write for references. Address N. W., care Florists' Exchange.

SITUATION wanted by a first-class florist, married, competent to take charge of commercial or private place. Address A. Bjelke, P. O. Box 131, West Orange, N. J.

SITUATION wanted by young German, age 24 years; good references; 10 years' American and German experience. Address T. M., P. O. Box 121, Mariners' Harbor, Staten Island, N. Y.

SITUATION wanted, florist, good grower of roses, carnation and general greenhouse stock; first-class reference; private or commercial place. Address N. O., care Florists' Exchange.

WANTED situation as working foreman; can take entire charge; well up in all branches of the business, especially roses; English; married. Address O. A., care Florists' Exchange.

SITUATION wanted; florist and gardener for commercial or private place; has a wide knowledge and best of refereuces in all branches; married. E. B., 511 West 19th street, New York.

SITUATION wanted by experienced propagator and grower of cut flowers and bedding plants; am American, 23, and sober; references furnished. F. W. Pettit, 155 Chandler St., Worcester, Mass.

SITUATION wanted by good all-round florist, single, experience with roses and bedding plants, one who is not afraid of work, steady and reliable. Address W. P., P. O. Box 812, Summit, N. J.

GARDENER and florist, 22 years' experience in greenhouses, vegetables, lawns, and landscaping, wants private position; state wages; age 36, single, German. J. Spiegelhoff, Far Rockaway, L. I., N. Y.

GARDENER and florist, single, 16 years' experience, best of references, as private gardener and foreman on commercial place; strictly temperate. L. M., care Wenham, Florist, 26 E. 42d St., New York.

SITUATION wanted by man, first on a private place; 10 years' experience in roses, carnations, 'mums and general greenhouse stock; can furnish the best of references. N. M., care Florists' Exchange.

SITUATION wanted as working foreman by A1 grower, roses (Beauty, Meteor, Bride and Maid), carnations, violets, 'mums and general stock; designer, 15 years' experience; best references; state terms. N. P., care Florists' Exchange.

SITUATION wanted as working foreman, by Englishman, strictly temperate and reliable, first-class rose, carnation and 'mum grower; good all-round man, including design and decorative work; A1 references; a comfortable, permanent house preferred to large wages. Address Y. V., 128 Durston Ave., Syracuse, N. Y.

Mention the Florists' Exchange when writing.

SITUATIONS WANTED.

SITUATION wanted by a first-class florist, married, no children; 12 years' experience in Germany, England and America; competent to take charge of commercial or private place. Address Gloede, 145 Union ave., Flushing, L. I.

SITUATION wanted on private place where the service of a trusty experienced gardener and florist would be appreciated; life experience; greenhouse, lawns, vegetables; good references; disengaged April 1; state wages. James A. Marsh, Kings Park, L. I., N. Y.

WANTED situation as foreman or first-assistant by young man with ten years' practical experience in greenhouse and outside work on some of the leading private and commercial places in the country; age 24; best of references. Address P. H. C., 112 E. 47th st., New York.

GARDENER, single, good grower of fruit and vegetables under glass and in open, also carnations, violets and general stock, planting of flower beds, trees, shrubs, grading, lawn-making, wants position first of April; well recommended. T. care Mrs. Range, 201 East 83d st., New York.

SITUATION WANTED

By reliable man; 15 years in the business; England and America; specialties, roses and carnations; good references; give full particulars with wages. Harry Donnelly, 13 Elmwood Ave., Winchester, Mass.

POSITION WANTED.

Thoroughly conversant with landscape gardening, surveying, levelling, projecting plans, road making; thorough knowledge of hardy trees and shrubs and general horticulture. Irreproachable references. Apply N. K., care Florists' Exchange.

HELP WANTED.

BOYS! If in your vicinity there is a private gardener or a grower, you can make pin money easily taking Tobacco Whale Oil Soap to him. Write for particulars, H. A. Stoothoff, 116 West st., N. Y. City.

WANTED an experienced man, single, understanding the growing of roses and carnation stock in general; honest, willing to work; steady place for the right one; place in the South. Address N. L., care Florists' Exchange.

WANTED an experienced and competent working nursery foreman; also an expert packer; must be bustlers and strictly temperate; none others need apply; state experience, etc. Address P. O. Box 400, Bar Harbor, Me.

WANTED at once, man with experience in roses, carnations, violets and a general collection of plants, on retail place; one who is willing to work; send reference and wages expected. Jas. G. Barrett, Hoosick St. and Burdett Avenue, Troy, N. Y.

WANTED at once, an experienced man, who understands the growing of general greenhouse stock, including roses, palms and ferns; must have experience in making up designs; one who is honest and willing to work; none need apply except those who can fill the position. Wages $25 00 to $35.00 per month and board. State experience and reference. Address Wm. A. Bock, North Cambridge, Mass.

WANTED—SINGLE MAN

Who can grow roses and carnations. Send references, with salary wanted, to N. S., care Florists' Exchange.

WANTED.

A young man as assistant in commercial place; man that has had some experience at rose-growing preferred; steady position. Address F. C. Schweinfurth, Bronxville, N. Y.

WANTED AT ONCE.

Violet and carnation grower with undisputed experience; must be temperate and come well recommended; married man preferred; wages $15 per month and cottage. Arthur N. Bool, Ithaca, N. Y.

WANTED.

A good grower of roses, carnations, chrysanthemums, etc., in a wholesale and retail place in State of New York; $12 a week to start with, and increase if proven worth more. Address N. T., care Florist Exchange.

WANTED.

A good working man who has had experience in growing bedding plants, etc.; must be a good, steady, industrious man; age 25; state wages—board and lodging. must have good reference. George Grant, Florist, Larchmont, N. Y.

WANTED AT ONCE.

A man to assist in growing roses, carnations, violets, chrysanthemums, palms and all bedding plants; recommendations required; young man preferred; nine to ten dollars ($9 to $10) per week without board. Address, John Ralph, Florist, Saratoga Springs, N. Y.

Mention the Florists' Exchange when writing.

MISCELLANEOUS WANTS.

WANTED to rent, 8000 to 12,000 feet of glass, must be in good condition, suitable for roses and carnations; near New York State. Full particulars, address John Davie, Westhampton, L. I.

WANTED to rent 5,000 to 10 000 feet of glass in New England, within reach of Boston preferred; houses must be in good condition; state particulars. N. Y., care Florists' Exchange.

WANTED.

500 good rooted cuttings of Passion Vine (Passiflora), quote lowest figure, by Chas. Zimmer, West Collingswood, N. J.

BUSINESS OPPORTUNITIES.

FOR SALE.—Retail florist business for sale, good reasons for selling, best location in New York City. Address O. B., care Florists' Exchange.

IF YOU have $500 you can double it in one minute by buying my greenhouse; 5,000 feet glass; free fuel; great chance; flowers or vegetables; bargain; account sickness. N. V., care Florists' Exchange.

TO LET; four acres, house, barn, etc.; soil particularly adapted for growing violets; fine plants can now be seen under cultivation; plants and frames can be bought. Address Box 45, Larchmont, N. Y.

TO LET or lease, Hollis, L. I., ten minutes' walk from station, two greenhouses, 20 x 100 ft; one additional, 15 x 75, with potting house and two acres or more of ground; no dwelling; rented at $400 per annum. Inquire for Nestledown Greenhouse, at Hollis, or at 124 E. 27th St., New York.

FOR SALE, in natural gas town of 28,000 population, three greenhouses, 18x100, 11x58, 9x20, also propagating house, potting shed and office, fine location opposite cemetery. Well stocked for Spring trade; doing good business; reasons for selling, age and health. Address George Kendall, Muncie, Ind.

TO LEASE.—12 greenhouses, about 60,000 feet of glass, within 50 miles of New York City, filled with palms, roses, carnations and other miscellaneous stock; business established 17 years and will be leased to responsible party from April 1st, stock to be sold on inventory. Address John Young, 51 West 28th Street, New York.

FOR SALE. The best greenhouse property in the New England States. On account of death it must be sold, it is a chance of a life-time; established 30 years; here a fortune is to be made; it is a rare chance. I will let it go at a bargain as I am too old to run it and I have other special reasons. For information address P. Gormley, Worcester, Mass.

FOR SALE or rent. Greenhouses and 8 acres of land, within five miles of center of Philadelphia, in an improving district; 45,000 feet covered with glass, steam heated, stocked with roses, carnations, asparagus, smilax, violets, etc.; 12-room dwelling, stable, 7 tenant houses. For further particulars address Evans' Rowlandsville Nurseries, Station F, Philadelphia, Pa.

FOR SALE, at Contentment Island, Darien, Conn. Two greenhouses, one 175 feet long, erected last summer at a cost of over $3000; apparatus capable of heating four more houses; water supplied by new hot air engine; nearly eight acres of most fertile land, much of it well planted in fruit trees and small fruits; barn, horse, wagon, etc. Death of owner cause of selling. Terms $6000, part cash. For full particulars, address H. E. Ferris, Administrator, South Norwalk, Conn.

FOR SALE at a low price, property on East 24th street, near Avenue E, Bayonne City, New Jersey, 100 ft by 146 ft, on which are the following buildings: One two-story dwelling house, one stable, four full-span wooden greenhouses, each 10 ft. by 80 ft., connected to a potting shed, 15 ft. by 40 ft.; one iron greenhouse, 12 ft. by 110 ft., and one iron greenhouse, 20 ft. by 50 ft., built by Thos. W. Weathered's Sons; all heated by hot water, with one No. 17 Corrugated and one No. 4 Hitchings Conical Boilers, and one Weathered No. 6 Improved Double Dome Boiler; will sell the above for $3,500. Thomas W. Weathered, 103 Taylor street, Brooklyn, N. Y.

SALE OR RENT.

Eight Greenhouses, fully equipped with steam. Apply H. W. BOUREAU, 420 Sansom St., Philadelphia, Pa.

MISCELLANEOUS.

STEAM and hot water boiler for sale, as good as new; has been used less than one winter; good reason for selling. For price, etc., address Hopp & Lemke, Paul P. O., E. Grand Rapids Mich.

GLASS.

A large quantity of 7x9 glass for sale cheap. Robt. Williamson, New Durham, N. J.

FOR SALE.

600 feet 2-inch pipe; 1 Winchester hot-water heater, capacity 400 feet radiation; about 45 boxes, A quality, 10x12 glass; 2,000 feet sash bars, fittings, return bends, etc.; 4 000 2¼-inch pots. Address, Fred Merritt, Washingtonville, N. Y.

Mention the Florists' Exchange when writing.

GALAX LEAVES

For latest prices green and bronze Galax Leaves and Leucothoe, address the introducer,
HARLAN P. KELSEY,
Tremont Bldg., BOSTON, MASS.

Mention the Florists' Exchange when writing.



Palmetto Leaves.

Green, for decorating, all with Long Stems. Medium $4.00 and large $5.00 per 1000. Packing free. Low freight rates. Cash with order. Largest and most experienced shippers.

Florida Natural Products Co.,
Box 327,
ORLANDO, FLA.

Mention the Florists' Exchange when writing.



HEADQUARTERS FOR
LAUREL FESTOONING
MOSSES and FERNS A SPECIALTY
MILLINGTON, MASS.
Telegraph Office, New Salem, Mass.

Mention the Florists' Exchange when writing.

For Five Dollars

We will send you
1000 FANCY FERNS,
1000 HARDY FERNS,
100 LEUCOTHOE SPRAYS and
1000 of both colored GALAX LEAVES.

H. M. ROBINSON & CO., Boston, Mass.
32, 34, 36 COURT SQUARE.

Mention the Florists' Exchange when writing.



Send for Our List of
Kentias, Latanias, Ficus,

Asparagus, Dracænas, etc. Azalias for immediate sales, assorted colors, from 60 cts. to $2.50 each. Ask for our price list of Perpetuated Palms. Samples sent on request. Address

THE GEO. WITTBOLD CO., Chicago,
1708 N. Halsted Street.

Mention the Florists' Exchange when writing.

LATANIA BORBONICA

4 inch pots..... $2.50 per doz; $20.00 per 100.
5 " ..... 4.75 " 35.00 "
6 " ..... 9.00 " 70.00 "
7 " ..... 1.25 each, and fine specimen plants from $6.00 and upwards.

Areca Lutescens, fine plants from $5.00 upwards.
Kentia Belmoreana and Forsteriana—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, well grown, from $2.50 and upwards.
Phœnix reclinata, 4 in. pots, 25c. each, $20 per 100; 5 in. pots, 40c. each, $35.00 per 100; 6 in. pots, 60c. each, $55.00 per 100; 7 in. pots, $1.25 each.
Phœnix Canariensis, Rupicola and Reclinata, fine specimen plants, from $3.00 to $5.00 each.
Cocos Weddelliana, from 2 in. pots, $1.50 per doz.
ASPARAGUS SPRENGERI 3 in. pots, $1.00 a doz. 5 in. pots, 25c. each.
JOHN BADER, Troy Hill, Allegheny, Pa.
L. D. TELEPHONE 872

Mention the Florists' Exchange when writing.



FANCY DAGGER

HARDY Cut Ferns!

$1.00 PER 1000.

GALAX LEAVES . . . $1.00 per 1000
BOUQUET GREEN . . . 4 cts. per lb.
SPHAGNUM MOSS . . 75 cts. per bbl.
BOUQUET GREEN WREATHING, all sizes made to order, 3 to 8 cts. per yd.
BALED SPRUCE, for cemetery use, etc.

L. B. BRAGUE, Hinsdale, Mass.

Mention the Florists' Exchange when writing.

ORCHIDS

We are headquarters in the United States for established and imported Orchids.
Our new price list for 1900 is now ready.

Cherry Wood Baskets, Fresh Moss and Peat.

LAGER & HURRELL,
Correspondence Solicited. SUMMIT, N. J.

Mention the Florists' Exchange when writing.

E. G. HILL & CO.
Wholesale Florists
RICHMOND, INDIANA.

FERNS!

From 2¼ inch pots.

Cyrtomium Falcatum..... $3.00 per 100.
Pteris Cretica Magnifica..... 3.00 "
Aspidium Tensimense..... 2.50 "
" " from 3½ in. pots 7.00 "

Cash with order.

L. MENAND, Cemetery Ave., **Albany, N. Y.**

Mention the Florists' Exchange when writing.

ASPARAGUS SPRENGERI

2¾ inch, extra strong....$5.00 per 100
3 inch, extra strong.... 7.00 per 100
4 inch, very fine..... 1.75 per doz.
5 inch, very fine..... 2.50 per doz.

PANDANUS UTILIS 2¾ in., heavy, $6 per 100 3¾ in., heavy, $8 per 100

THE CALLA GREENHOUSES, Calla, O.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR
Palms and Ferns.

Fine, clean home grown stock; grown cool. Give us a trial order and be CONVINCED.

J. B. HEISS, The Exotic Nurseries, **Dayton, Ohio.**
SEND FOR PRICE LIST.

Mention the Florists' Exchange when writing.

Polystichum Wollastoni Lace Fern

Best and finest for cut, also for center pieces, etc. Size No. 1, 100 plants, $4.00; Size No. 3, 100 plants, $8. Sample box by mail, containing 1 dozen plants, 2 sizes, $1.00.

BABY PRIMROSES Best strain, lavender, for cut and pots. Size No. 1, 100 plants, $3.00; Size No. 2, per 100, $5.00. Sample box by mail, containing 20 plants, 2 sizes, $1.00.

Cash with order, please. Packing careful.
ALBERT KNAPPER, Frankford, PHILA., PA.

Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.
1730 CAMBRIDGE ST.

Mention the Florists' Exchange when writing.

Hardy ferns for cultivation. Try them in your planting, they will thrive and increase in size and beauty where other plants fail. Catalogue of these and other herbaceous perennials.
Edw. Gillett, Southwick, Mass.

Mention the Florists' Exchange when writing.

FERNS.

A fine assortment for florists use, from 2¼ and 3 inch pots. Also
Selaginella Emmelinna, Cyperus Alternifolius, $3.00 per 100.
BABY PRIMROSES, from 3 inch, $4.00 per 100; from 4 inch, strong, $8.00 per 100.
PELARGONIUMS, 6 best varieties, mixed, from 3 inch, $5.00 per 100.

J. G. EISELE, - Philadelphia, Pa.
20th AND ONTARIO STS.

Mention the Florists' Exchange when writing.

Cincinnati.

Trade Notes.

Business remains good, and with stock not nearly equal to the demand. Roses are very scarce and carnations are now being reported off crop by the growers. Possibly this is a good sign, as Lent is upon us; but for the past few years this particular season has made very little difference in the cut flower trade. Prices on all stock are still firm. The month of February shows larger sales than any February in my recollection.

This section of the country escaped the heavy snows that are recorded in other portions of the state, but we are now in the midst of a rain, with the promise of a cold wave. The Schmidlapp funerals, an account of which has been widely published in the daily press, used up all the roses and white stock there was in this market; J. A. Peterson and B. P. Critchell had the greater portion of this work.

Wm. Murphy is now very busy filling orders for rooted cuttings of carnations, and the writer has seen testimonials from his customers saying that they had never before received cuttings that were so satisfactory—all well rooted and choice stock. This is more than can be said of many growers. I have this season seen cuttings that were shipped to this market, 26 to the bundle, and out of the 26 only 23 or 24 would have roots. These were cuttings, too, from new varieties, that are selling at $10 per 100. Why will growers do this? It certainly is no credit to them and in many cases is quite a loss to the buyer.

Buffalo's Pan-American authorities have done well in securing the services of Wm. Scott. We shall now expect to see the late World's Fair excelled floriculturally.

E. G. G.

Galax Leaves

CHAS. H. RICKSECKER, Linville, N. C.

Mention the Florists' Exchange when writing.

VIOLETS—Princess of Wales

The only Violet to grow; strong rooted cuttings, $1.00 per 100. 2½-in. pots, $2.00 per 100.

EVENDEN BROS., Williamsport, Pa.

Mention the Florists' Exchange when writing.

PANSY PLANTS

Of my largest flowering mixture of **Show Varieties**, unsurpassed quality.
Large, stocky plants, $3.00 per 1000.
Fine, bushy plants in bud and bloom, $1.00 per 100; $8.00 per 1000. 500 at 1000 rate.

GUSTAV PITZONKA, Bristol, Pa.

Mention the Florists' Exchange when writing.

PANSIES

Large plants, transplanted in cold frames, grown from a superior strain:

50 cts. per 100; $3.50 per 1000; $15.00 per 5000.

WHITTON & SONS, Wholesale Florists,
CITY AND GREEN STS., UTICA, N. Y.

Mention the Florists' Exchange when writing.

WALTER MOLATSCH

New Early Yellow Chrysanthemum.
THREE CERTIFICATES A. C. S.

Price, 50c. each; $4.00 per doz.; $25.00 per 100.

For Sale by
DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y.
AND
H. A. MOLAISCH, - - - Brooklyn, N. Y.
68th St., bet. 8th and 9th Aves.

Mention the Florists' Exchange when writing

CHRYSANTHEMUMS

Belle of Castlewood,	Mrs. J. G. Whildin,
Bonnaffon,	Mrs. S. T. Murdock,
Cullingsfordii,	Mrs. J. J. Glessner,
Eugene Dailledouze,	Mrs. H. Weeks,
Glory of the Pacific,	Mrs. H. P. Bassett,
Ivory,	Nivens,
J. Woodford,	Rose Owen,
Liberty,	The Queen,
Minerva,	V. H. Hallock,
Mme. F. Bergmann,	Wm. H. Lincoln.

From 2½ in. pots, $2.00 per 100.

VERBENAS In 10 best varieties, from 2½ in. pots, strong plants, $2.00 per 100.

Cash with Order. Price List on Application.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

SCHMIDT'S PANSIES Have no Equal.

Comprising the cream of all the Leading Strains, Large, stocky plants, 50 cents per 100; $3.00 per 1000; 10,000 for $25.00.

DAISIES (Bellis), strong plants of the largest double varieties, Longfellow and Snowball, 40 cts. per 100; $2.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

VIOLETS (rooted runners). The lowest price yet for the best violet grown; flowers from September to March.

Luxonne, $1 per 100. **California**, 40 cts. per 100.

Strong Tubers. **CANNAS**. Dormant.
Alphonse Bouvier and Florence Vaughan, $1.50 per 100. **ORDER NOW.**

GEO. E. FELCH, Ayer, Mass.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS OF PRINCESS OF WALES VIOLETS

Exceptionally good stock.

$2.00 per hundred. $15.00 per thousand.

SATISFACTION GUARANTEED.

WM. SIM . . Cliftondale, Mass.

Mention the Florists' Exchange when writing.

Pansies Worth Raising

Good Plants, $4.00 per 1000; $2.50 per 500.

Extra Large Transplanted Plants in bloom, as good as in spring, $2.50 per 100.

☞F. O. B. Express here. Cash with order.

C. SOLTAU & CO., 199 Grant Ave., Jersey City, N. J

Mention the Florists' Exchange when writing.

PANSIES

The Jennings Strain. 200,000 fine, stocky plants, from cold frames, varieties the finest, many are curled and fringed. 100 plants by mail, 60 cts.; 1000 plants by express, $3.50; extra fine Pansy blooms, by mail, 50c. per 100.

Pansy Seed of above, $1.00 per pkt.; $5.00 per oz. Samples sent for 10 cts. Cash with order.

E. B. JENNINGS, Lock Box 254, **Southport, Conn.**
Grower of THE FINEST PANSIES.

Mention the Florists' Exchange when writing.

Pansy Plants in Flower

GIANT MIXED,

For the New York Market, $3.00 per 100.
Cash with order.

Special Prices on Large Quantities.

FINE, LARGE BLOOMS, SURE SELLERS.

JOHN LAPPE,
Juniper Avenue, between Metropolitan Ave. and Grand St.
Telephone 13—I. **MASPETH, N. Y.**
The Largest Pansy Grower in America.

Mention the Florists' Exchange when writing.

IMPERIAL VIOLET

Color—The darkest blue grown.
Form—The largest and most double.
Fragrance—Strong and lasting.
Health—The most vigorous.
Productiveness—Last season from 4000 plants I picked 281,700 No. 1 blooms; average per plant over 70; this year the blooms from November to February have averaged me $2.00 per 100, wholesale.

If you have got enough of raising run-out stock, weakened by unskillful methods of culture, get a stock of this magnificent strain, and my book on Violet Culture, and you can find out the possibilities of profit in growing a **GOOD** Violet.

You don't have to hunt a market for these flowers, it hunts you.

ROOTED CUTTINGS.

Price per 1000, $45.00; per 100, $5.00; per Dozen, $1.00.
500 at 1000 rate; 50 at 100 rate.

3000 now ready to take out of the sand, for immediate delivery. Address all orders to

W. L. MINOR, Violet Specialist,
No. 826 Belmont St., Brockton, Mass.

Mention the Florists' Exchange when writing.

BRIEFS FOR BUSY FLORISTS.

ROSES.—The increase in the amount of sunshine that is now beginning to be felt makes ventilating one of the chief items to be looked after. Where the ventilators open at both sides of the ridge, the task of having enough air on without getting a dose of mildew is very much simplified; but where air can only be given from one side, a constant watch for a change of wind has to be kept, as it is preferable to have a house two or three degrees too high at this time of the year to having the cold wind playing among the, as yet, tender foliage. Benches that were not treated to a mulch of manure will be much benefited by regular applications of liquid manure; once a week will be none too often from now on. Young stock, after being well established in the small pots, will make just as good plants for putting in the benches if they are kept in a cool house and as near the glass as possible. Cuttings only just rooted and potted, or those still in the sand bed, will, of course, have to be grown right along.

CARNATIONS.—Beds that are showing signs of exhaustion will be materially benefited by a weekly watering with weak liquid manure. The surface of the soil should not be disturbed any more than is absolutely necessary; the weeds (if any start) should be pulled out and the soil rubbed over with the fingers if any green appears on the surface. No doubt next year's stock is all rooted by this time, or if not already rooted, at least the cuttings have been taken and are in the sand. There are, however, several improved varieties being sent out this year, and as we all want the best we have to try some of the new ones, even if they do come rather high. Judging from the qualities of the flowers seen thus far one will be perfectly safe in trying such varieties as Genevieve Lord, The Marquis, Ethel Crocker, Mrs. Lawson and Governor Roosevelt; and of those previously sent out, such kinds as Mrs. Joost, G. H. Crane, General Maceo, General Gomez and Governor Griggs have already become standard sorts and are here to stay.

CHRYSANTHEMUMS.—The time for propagating the main batch for bench work is not here yet, but in order to have the cuttings just right when needed the old stools must have some attention. If a section of a bench can be spared, the best plan is to plant in the old stools, and with a night temperature of about 50 degrees they will produce all the cuttings required. If a bench cannot be had for the purpose, then boxes may be used and set on the tables of an ordinary greenhouse. Care will have to be exercised in watering, as too much would soon ruin the semi-dormant stools.

EASTER is but five weeks away now, and potted plants intended for that occasion will need to be governed accordingly. Hydrangeas should have the buds well in sight, or they will be too late. Lilac may yet be started, but will need lots of heat. Deutzias may be brought in now; and pans of lily of the valley put in gentle heat by the last of the week. Fern balls and fern wreaths that seem backward should be given a warmer temperature and frequent syringings to bring them on quicker. Boston fern proved a good seller last year and there will be, no doubt, a great demand for it this Easter. Genistas and many of the azaleas will have to be held back rather than hurried; pot roses with their buds already in sight will also need to be kept rather cool.

DAHLIAS are generally conceded to be too stiff for many uses by the average florist, yet there is one section of these vari-colored flowers, that from their beauty of form may be used in almost any floral arrangement. We refer to the cactus-flowered varieties. A collection of these, planted in the garden, will yield a supply of blooms in the late Summer months that can be used equally well in bouquet and design work.

IF YOU NEED ROSES
Send us your list for prices.
THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.
Mention the Florists' Exchange when writing.

ROSES and VIOLETS
Well-established plants, from 2½ inch pots:

	100	1000		100	1000
Bride	$4.00	$35.00	Perle	$4.00	$35.00
Bridesmaid	4.00	35.00	Am. Beauty	6.00	50.00
Meteor	4.00	35.00	Morgan	6.00	50.00

VIOLETS, Princess of Wales Per 100... $2.00 Per 1000...$18.00
The only violet to grow. Strong plants, from flats.
CASH WITH ORDER.
W. T. & F. P. BUTZ, New Castle, Pa.
Mention the Florists' Exchange when writing.

LIBERTY Orders received for April and May delivery. . . .
All the winter forcing Roses from 2½ inch pots.
WRITE FOR PRICES. . . .
ROBT. SCOTT & SON,
Sharon Hill, Del. Co., Pa.
Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS..
and Novelties in Decorative Plants,
Market and 49th Sts., PHILADELPHIA, PA.
Mention the Florists' Exchange when writing.

D. & C. ROSES
are the cheapest because they are the best. We have in stock over 1000 varieties on own roots, including nearly 200 New Roses not offered elsewhere, as well as all the old favorites, at prices that make it worth your while to send us your list for quotations before buying elsewhere. All sizes from 2½ in. pots up.
Send for a copy of our New Guide to Rose Culture for 1900, a handsome book of 134 pages, illustrated with hundreds of half-tones and numerous colored plates. It is really a work of art and free for the asking.
THE DINGEE & CONARD CO., Rose Growers, West Grove, Pa.
Mention the Florists' Exchange when writing.

Manetti Stocks
FOR GRAFTING.
We can still offer a limited number of Manetti Stocks for grafting, of good quality.
In lots of 1000 . . $12 00 per 1000.
" 2500 . . 10 00 "
" 5000 . . 9 00 "
HENRY A. DREER, Philadelphia, Pa.
714 Chestnut Street.
Mention the Florists' Exchange when writing.

TWO-YEAR-OLD ROSES.
Strong branching plants well equipped with roots, best forcing and pot varieties, $6 per 100; $55 per 1000. In following varieties:—Golden Gate, Muriel, Graham, Mrs. Robert Garrett, Mosella, Burbank, C. Soupert, Gen. Jacq., Mme. Chas. Wood, Crimson Rambler, Magna Charta and Neyron.

	100	1000
Golden Gate, nice 2½ in.	$3.00	$25.00
Mrs. Robert Garrett, 2½ in.	3.50	30.00

50 other varieties. Send your list for prices.
GERANIUMS Well established in 2½ in. pots, $3.00 per 100; $25.00 per 1000. La Favorite, Mme. Bruant, Peach Blossom, Grand Chancellor, B Poitevine, Heteranthe, our selection of varieties, $2.50 per 100; $20.00 per 1000.
Baby Primrose, 2½ in. in bloom 3.00 25.00
Asparagus Sprengeri. 2½ in., $3.50 per 100; $30.00 per 1000.
Double Petunias 'mottled', 2½ in., $3.00 per 100.
JOHN A. DOYLE CO., Springfield, Ohio.
Mention the Florists' Exchange when writing.

50,000==MANETTI==50,000
For Immediate Delivery.
IRISH AND ENGLISH Grown and in fine condition for inside grafting.
$12.00 per 1000. Price for Quantity on Application.
HARRY A. BUNYARD, 42 W. 28th St., Telephone 2065 Madison Square, **N. Y. City.**
Mention the Florists' Exchange when writing.

ROSE BUSHES
FIELD-GROWN. OWN ROOTS. FIRST-CLASS.
MANY SORTS BEING EXTRA FINE.
OUR BRIDES and HENRIETTES we might term "fancy" stock. Bride will run close to two feet, which is prime for that sort. Henriette, heavy, running two to three feet. Most Teas and H. T's will run close to two feet, some sorts even larger, while a few of the poorest growing sorts will not run much over one foot. The Hybrids will of course average up heavier than tender varieties, all being very fine. Leading sorts we can do in quantity, being especially heavy on such as Bride, Henriette, La France, Bon Silene, Brabant Soupert, Devoniensis, Safrano, Wootton, Caroot, White Rambler, etc. La France in grades from 7 to 9 ots.; the 7-cent grade being about 12 to 15 inches high, and woody.
An average assortment of these ROSES will weigh to neighborhood of 300 pounds to the 1000 plants, packed light, not including weight of packing case, while a selection of all heavy sorts will weigh more. This stock is freshly dug grown in our virgin soil of Southern California, free from disease and insects, and will give you and your trade satisfaction. We have sold thirty thousand roses during the past sixty days, but have twenty-five thousand more which must be sold—hence, extremely low prices appended.
Prices will apply to not less than 10 of a variety, properly packed, f. o. b. Los Angeles.
$7.00 per 100—Bon Silene, Dismore, Duch. de Brabant, Duch. of Albany (rather light), Fr. Kruger, La France, Lady Penzance, Lord Penzance, Marie Ducher, Mignonette, Mme. G. Bruant, Marie Lambert, Mme. Bravy, Parquerette, Rainbow, Souv. de Wootton, Waban, White Bath, White Rambler, Devoniensis.
$7.50 per 100—Alf. Colomb, Clo. Soupert, Coq. de Lyon, Earl of Dufferin, Empress of China, Dr. Grill, Fisher Holmes, Homer, La France, Bar. de Rothschild, Belle Siebrecht, Bride, Beauty of Glazenwood, Capt. Christy, Crimson Rambler, Gen Jack, Gen. Washington, Hermosa, Jules Finger, John Hopper, Jas. Nabonnand, La Reine, L. V. Houtte, M. P. Wilder, Marg. Dickson, Mrs. J. Laing, Paul Neyron, Prince Camille de Rohan, R. M. Henriette, Safrano, Pres. Carnot, Folkstone, White La France.
$9.00 per 100—La France, Malmaison, Ulrich Brunner.
$10.00 per 100—Isabelle Sprunt, Cath Mermet, Cecile Brunner, Duch. of Albany XXX, Etoile de Lyon, Dijon, Magna Charta, Mme. Watteville, Papa Gontier, Perle, White La France XXX, Yellow Rambler.
$15.00 per 100—Cloth of Gold, Climbing Wootton, Climbing Safrano, Kaiserin, Testout, Mrs. Roh. Garrett, Princess Bonnie, Gen. Robt. E. Lee.
$25.00 per 100—Climbing Kaiserin, Maman Cochet XXX.

JAPANESE IRIS $7.00 per 100. These are grown from plants of our own importation, and comprise the best named varieties grown in Yokohama; they are field-grown and well rooted.
OWN ROOT plants **LEAD.** The only place in U. S. where you can get good stock of own root, field-grown roses in variety, including tender sorts.
Shipments by freight must be prepaid here, and we require at last 25 per cent. cash with all orders; balance payable on arrival of stock. Less than five hundred plants, cash with order. A few hundred plants can be shipped by express, packed light, so that considering our extremely low prices, plants will not come high laid down at most any point.
Come at us quickly and make sure of 'em.
THE HOWLAND NURSERY CO., Los Angeles, Cal.
Mention the Florists' Exchange when writing.

PHILADELPHIA ROSES Strictly first-class stock out of 2½ inch pots.
American Beauty, Kaiserin.
MYERS & SAMTMAN, Chestnut Hill, PHILA.

TWO-YEAR-OLD ROSES, Fine plants from 4 inch pots $10.00 per 100.

Pierre Guillot	Kaiserin	Etoile de Lyon
Sov. Wootton	Pres't Carnot	Malmaison
Crimson Rambler	Wichnariana	La France
Princess Bonnie	Marechal Niel	White Rambler
Media	Princess Sagan	Duchess of Albany
Cli. Niphetos	The Bride	White M. Cochet
Bridesmaid	Beaute Inconstant	Duchess Brabant
White La France	Mme. F. Kruger	Coq. de Lyon
Mme. Plantier	Gold Rambler	Papa Goulier
Clothilde Soupert	Sunset	Bertha Clavel
Marie Guillot	Maman Cochet	Christine de Noue
Mrs. De Graw	M. Van Houtte	Hermosa
Mme. Cusin	Yellow Soupert	Meteor
Perle	Niphetos	Mme. Welche
Rainbow	Golden Gate	Coq. des Alps
Safrano	Boule de Neige	

Also a moderate quantity of two-year-old Hybrid Perpetuals in variety best kinds at $15.00 per 100, and a limited number of large budded H. P.'s at same price.
THE NATIONAL PLANT COMPANY, Dayton, Ohio.
Mention the Florists' Exchange when writing.

Roses, Clematis, Rhododendrons, Etc.

ROSES.
Strong Two Year, Field Grown.
Crimson Rambler, 4 to 5 feet canes, $15. 2d size, 2 to 3 feet canes, $8 per 100.
Yellow Rambler, $8 per 100.
Hybrid Perpetual, in fine assortment $10 per 100.
Wichuraiana, Japan Creeping Rose, $6 per 100.
Wichuraiana Hybrids, 4 varieties, $8 per 100.
Tree Roses, fine heads, $30 per 100.
Liberty, New Red Forcing Rose, from 2½ in. pots, 12 plants at 60c. each; 25 at 50c. each; 50 at 30c. each: 100 at 25c. each.
General Assortment of Everblooming Roses, from 2½ in. pots $3 per 100; $25 per 1000.

CARNATIONS.
Rooted Cuttings.

Mrs. Thomas Lawson	$14 per 100.
The Marquis	$10 "
Ethel Crocker	$10 "
Olympia	$12 "

Rhododendrons. Large stock of best hardy varieties, 15 in. to 2 ft. high, clean, bright foliage and well set with buds, $45 to $150 per 100.
Azalea Mollis. Strong bushy plants well set with flower buds, $35 per 100.
Hydrangea Paniculata Grandiflora. 2½ to 3 feet, $10 a 100. Tree form, 4 to 5 ft., $25 a 100.
Fruit and Ornamental Trees, Shrubs, Etc., in large assortment.
THE STORRS & HARRISON CO., - - Painesville, Ohio.
Mention the Florists' Exchange when writing.

What Has the Twentieth Century in Store for the Queen of Flowers?

Read before the Florists' Club of Philadelphia, Tuesday, Feb. 6, by John N. May, Summit, N. J.

After some felicitous introductory remarks Mr. May continued: We have three or four varieties (of roses) now being rather extensively cultivated by the growers of cut flowers for commercial purposes throughout the country to the exclusion of nearly every other variety, no matter how good and beautiful it may be. In the future, we may have to boil these down and still grow fewer varieties, yet, mind I do not assert that we shall, and possibly as a better knowledge of the merits of others becomes more general among the flower buyers we may have to increase the number by one or two varieties. Personally, I think it would be a step toward advancement if we could multiply the present varieties by at least ten; then flower buyers and flower lovers would have a chance to choose something more diversified in color, form and artistic beauty than they have ever seen up to the present time. Size seems to be the main object sought for now; this is very unfortunate, as it excludes so many of the real gems of the rose family. No one would like to be confined to beef for breakfast, mutton for dinner and pork for supper, without any change, for 365 days in the year, and the same diet for the next year; no matter how good the beef, mutton or pork may be, they will soon begin to think a change would be more agreeable —something more in variety will be greatly appreciated. So it will be in flowers; the same everlasting red, white and pink may be and is undoubtedly very handsome, but there are those who will appreciate some other tints, variety in size, form, fragrance, etc. Why should their wishes not be gratified? It certainly will be greatly to the florist's benefit, whether he be grower, dealer or retailer, to cater to the public taste at large—yes, and to elevate that taste by the introduction of a much greater variety. Very many of the most charmingly beautiful roses are comparatively small buds, such as Ma Capucine, Mme. Falcot, Safrano, La Sylphide, Isabella Sprunt, Bon Silene and dozens of others, perfect gems in form, color and fragrance. All these, and many more, are at command ready for the twentieth century, and there will undoubtedly be many new ones, not yet introduced, which will be placed before the public for popular indorsement.

Our home productions in this line in the past have been somewhat limited, though we have some sterling varieties of American origin, which have not met with the indorsement their merits deserve. From present indications we should soon see some extra choice seedlings, distinct and beautiful things, which are now being produced by careful and expert hybridizers. All hail to these children—may they become illustrious citizens, winning fame and glory in every civilized country.

But we are not yet quite out of the nineteenth century, and ere we bid goodbye to it, "The Queen of Flowers" will have made its first debut in this country on its own responsibility as an independent factor for public patronage and support under the title of "The American Rose Society." It will give its first exhibition on the 27th, 28th and 29th of March next, at the Eden Musee, New York, where her majesty will hold a goodly court, when a very large number of her courtiers will attend this, her first levee, arrayed as befitting the occasion in all their most gorgeous uniforms.

Her majesty will give a second reception in June next, which is the month of roses; at this levee all her subjects, from those dwelling in glass houses to the humble occupants of a few feet of common garden soil, and exposed to all the changes and vicissitudes of the elements, without even the friendly shelter of a thistle, will be received with all due courtesies. Those from the humble cottage garden will be on equal footing with those coming from the richest homes. Her majesty is no respecter of persons, but welcomes all with queenly dignity, and all are invited to come.

Thus the long delayed inauguration of crowning Queen Rosa is to be a fitting closing of the nineteenth century. We, who have long paid court at her feet, trust the beginning of the twentieth century will see the American Rose Society placed on such a firm foundation that it will be second to none in the world. With our thousands of florists, for whom the rose has done more in their business than any other flower ever can, the society certainly ought not to lack patronage; from our tens of thousands of amateurs, who will grow and love the rose for the rose's sake, we shall certainly get an army of supporters.

This I consider the greatest thing the twentieth century has in store for the "Queen of Flowers." The liberal support of it will do more to advance the florist interest than we can possibly imagine at this time, and this is not prophesying anything either. If it can be done in England, and it has been, it certainly can be accomplished in America, with all its wealth and daily growing taste for the beautiful creations of nature. Only show the people how to grow roses in their gardens and tens of thousands of them are ready to plant roses who now are only deterred because they do not know how to treat them. Look at the villa homes, the cottage homes—yes, and the grounds of the wealthy—throughout this entire continent, and in how few of them is cultivated the rose (or hardly any other flowers for that matter), except the very commonest; compare this with the homes in any European country, and the difference will be all the more apparent.

I think you will all agree with me that the American Carnation Society has done more for the advancement of the carnation during its existence than a whole century had done for it previously. Why should not the "Queen of Flowers" be equally advanced if well supported? Yes, and to a much greater degree, as the field for the rose has a very much wider scope than the carnation. The last three decades of the present century have seen immense improvement in the varieties of roses; that the improvement will continue there is not, I think, a shadow of doubt. Hence we may hope in the near future to see "Queen Rosa" in greater glory than ever before.

NOTES BY THE WAY.

OLEAN, N. Y.—Mrs. Fred. Johnson had a nice lot of Cattleya Trianæ in bloom at St. Valentine's Day; they all sold at a good figure.

ELMIRA, N. Y.—Outside the thermometer registered 10 below zero when I called on Grove P. Rawson, and with a drop in temperature of 50 degrees in 13 hours it was expected something would suffer, but one end of a violet house slightly touched by frost was the only damage done. These houses of Marie Louise are a sight to behold; plants are crowded with fine blooms of intense color. A crop can now be figured on for Easter. Golden Gate is grown largely as a Summer rose, although it has proven a profitable all-season variety. The scarlet sport from Tidal Wave is a fine carnation highly satisfactory in every respect. Triumph is not the most graceful plant in appearance, but is a profitable variety to grow. Mr. Rawson considers it his best pink. The thorough reports of the Carnation Society's meeting have been doubtless read with interest by the numberless readers of the EXCHANGE, among whom was our friend, who has been seriously sick, but who, I am happy to report, is improving rapidly.

At Hoffman Bros. I met the worthy secretary of the Elmira Horticultural Society, R. R. Stockdale, an enthusiast on gladioli. His description of a seedling from Shakespeare, with from 12 to 16 all outer petals a rosy pink, bespeaks a grand departure in this vari-colored and noble flower. As a result of the convention Messrs. Hoffman's grower has the seedling fever. Immediately upon his return he commenced manipulating, hoping to produce something to surpass anything seen at Buffalo.

BINGHAMTON, N. Y.—Mrs. Barnes reports a very fair season. She is just now a sufferer from la grippe, which we hope will soon loosen its hold. Veteran Anton F. Spofford is also under the weather; he has had quite a long spell of sickness. W. H. Graham reports a very busy time with funeral orders.

BRAMPTON, ONT.—Not to be outdone by our worthy President Wood, in the erection of lengthy houses, Harry Dale has prepared for two houses, each 880 feet long, and would even make them longer but the turnpike calls the limit; 35,000 square feet of glass has been purchased for these leviathans. Glass will be butted; nothing better, says Harry, for his purpose. There is room for eight more boilers; already there are 24; steam water tube, 15x360 feet, fed by an automatic stoker, which is the first of its kind I have seen used by the craft, and deserves a description of its working and as a labor-saving piece of machinery. Soft coal is used and is conveyed from a bin 240x22 feet in size, by means of a conveyor that places the fuel in small bins above each boiler, from which it is fed by an automatic stoker by means of a shute fed direct to the fires without the aid of a shovel. In this way, it is a comparatively easy matter for one man to keep everything in good shape. Arrangements are being perfected by which the ashes may be taken away without manual labor. In the handsome new office are plans for the new houses already mentioned, also for more similar to the two erected last Summer, 18x175 feet, open at gutter, for roses, the stock of which is as fine as ever.

In carnations Crane, Glacier and Bradt are among the winners. Propagating beds are filled with healthy young stock. A novel idea is a bed of sweet peas grown to single stem, sown in November in pots, planted out in an old smilax bed. A great crop of bloom is promised—buds are now appearing. While Marie Louise is in demand, Princess of Wales, being such a beautiful violet, has increased the call



Tubular Geranium Leaf.

for singles. I saw some grand beds of Marie Louise in the houses of Wm. Findley, who has also Scott carnation of exceeding beauty. This sterling variety is grown here to perfection.

TORONTO, ONT.—Visitors to the carnation show who viewed the houses of John H. Dunlop could not fail to be favorably struck with the splendid White Cloud and Bradt, particularly the latter —as fine stock as one could desire to see, grown inside all Summer, a bright, clear silvery white strain with faint markings —a new departure in this charming variety. Glacier is splendidly grown here. I noted some grand beds of rose Mrs. Morgan and Mme. Cusin, on north benches, in houses built short-span to south, and was informed they have done well all Winter—sold well—in fact, could sell more, so a larger area will be planted next season probably in the four new houses under consideration, which are to be open at gutters. Lady Dorothea is increasing in popularity; it is a charming rose. Beauty are grand. Underneath the Beauty benches are mushrooms, some 500 feet being cut over, yielding a profitable crop. Grainger Bros. raise a crop in a similar manner, their returns, for 148 square feet, from January 6 to March 4, being 72 pounds—a profitable and interesting record. Mr. Dunlop thinks highly of the new plant box of Ewing & McNaughton for cuttings. The bulk of his carnations are grown in these. His pink seedling and Ontario are profitable sorts. It does not pay the grower to raise all varieties that produce big blooms and small crops. One of the sights is a side bench of Allen's Defiance mignonette; a selected strain—the finest thing I have yet seen. Some supposedly select Machet in the same house is as a weed in comparison. Double violets are fine, but Princess of Wales is very popular; in fact, it is the first single that has attracted any notice among the lovers of violets. Young stocks are in first-class condition, some 60,000 roses alone being ready to pot off. W. M.



Chicago.—The bowling tournament at Kinsley's, in spite of the heavy snowstorm, was well attended, the ladies present pronouncing it a grand success. In fact, the bowling club is so well pleased that they are making arrangements to repeat the affair, obtaining a still larger place and not less than six alleys to play on, with an invitation to the St. Louis team to join them.

As will be seen by the scores below the wholesalers were too much for the retailers, and the married for the single ladies. Besides the regular bowlers a scratch game between eight others present was played, and a sweepstake game gotten up by the wholesalers and retailers and the ladies—Mrs. Winterson and Ed. Winterson raking off the pots respectively.

ESS.

MESDAMES.

	1	2	3
McKellar	62	96	94
Winterson	51	68	73
Balluff	49	49	83
Hauswirth	47	51	81
Totals	209	262	311

MISSES.

	1	2	3
Eastman	74	85	50
Kreitling	63	30	59
F. Ludlow	43	36	55
J. Ludlow	38	23	53
Totals	218	154	217

WHOLESALERS.

	1	2	3
Winterson	131	133	135
G. Stollery	171	151	200
F. Stollery	124	168	168
Wilson	181	177	138
Zeck	113	151	179
McKellar	129	178	134
Totals	829	958	954

RETAILERS.

	1	2	3
Asmus	158	144	179
Hauswirth	152	151	114
Degnan	177	134	159
Kreitling	128	137	179
Balluff	180	151	187
Hunt	145	132	..
Henderson	..	..	153
Totals	940	849	931

St. Louis.—A heavy rainstorm accounts for the small attendance at the alleys on March 5. A challenge has just been received by J. J. Beneke from A. Henderson, secretary of the Chicago Bowling Club, inviting the St. Louis bowlers to visit Chicago in the near future, to roll a few games. The matter will be taken up at the next meeting of our bowling club and acted upon, with the probabilities of challenge being accepted.

Following are the scores rolled Monday:

	1	2	3	4	5
J. J. Beneke	146	198	124	144	141
C. A. Kuehn	183	160	169	130	188
F. C. Weber	128	116	167	106	..

A Tubular Geranium Leaf.

I send you a curiously formed geranium leaf, of the variety Mrs. E. G. Hill. Its peculiarity struck me so that I thought it might be of interest to your readers, and to the trade generally.

JOHN F. RUPP.

Shiremanstown, Pa.

[The leaf is trumpet-shaped; something which occasionally happens, and is supposed to be due to an abnormal growth of the marginal cells; the leaf in question showing that that of the inner cells had been somehow arrested in its development.—ED.]

New York.

Market Report.

The market, so far as cut flowers are concerned, has been in a very unsatisfactory condition the past week. Despite the fact that shipments are not large, and pleasant weather has been the rule, there is a dragginess in the business that makes itself felt in a manner that is most provoking to the dealer, who has his counters full of choice stock and cannot dispose of it, except at prices made low enough so that store men will buy on speculation.

Speaking about prices, it is the unanimous opinion of dealers that there are no fixed figures; it is a question of how much can be got. We hear of special American Beauty being offered at 50c. each, but they can be had at from 35c. to 40c.; and they don't all clear out at these prices. For Bride and Bridesmaid roses $10 per 100 is asked for specials, and they move very slow. Contrary to what has been the rule for some time, the cheap grades are meeting with a better demand than those of higher quality; this is no doubt brought about by the weather being so mild that the street peddler can ply his vocation from morn till night.

Excepting for a slight drop on fancy blooms, prices of carnations remain the same as last quoted.

Violets are mostly of an inferior quality, and although from 25c. to 75c. per 100 is the asking price, they hang fire long, and many are sold off in job lots at any old price.

Lilies are quite plentiful and so far have brought fair values; the best realize $1.50 per dozen, and it is found much easier to sell them than the poorer blooms at $1.

Sweet peas and lilac are finding very little favor with buyers these days; the season when these flowers are in demand is a very short one indeed.

Smilax is still selling fairly well, but maidenhair fern has become more plentiful and the price has dropped materially.

E. C. Horan is receiving some choice moss roses.

J. K. Allen is handling the first Jacq. roses of the season.

Ghormley & Perkins are making elaborate improvements in their newly acquired 28th street store. Mr. Ghormley has not been identified with the trade before, but J. A. Perkins is well known among flower buyers, having conducted a store in 29th street for some time. American Beauty is one of the firm's specialties, and the stock handled is of the very best quality. A full line of general seasonable material is carried. No expense has been spared in the fitting up of the store, and the new firm will no doubt command a fair share of the business.

John Young is receiving shipments of choice cattleyas.

Traendly & Schenck were the first to receive Bruaner.

Thos. Young, Jr., is showing fine gardenias.

Cusin roses can always be seen at Julius Lang's store in 30th street.

Young & Nugent handle a few special Bridesmaid that bring a fancy price. These are grown on solid beds; the plants are several years old, and the blooms have stems three feet in length.

Among the Retailers.

Business is somewhat quiet at present, but great efforts are made in keeping up fine window displays. Spring plants are the principal features in many of the large stores, and the old-fashioned cowslip and polyanthus are to be seen in some of the windows. Crepe paper is being used extensively for covering flower pots, and it is a question with some store-men whether the employment of the paper so much at this time does not tend to make it obnoxious to many customers by the time Easter arrives.

News.

From appearances, to date, it would seem that Bermuda longiflorum lilies are little better than the Harrisii from the same locality. Some growers have found that 50 per cent. of the former have had to be thrown away on account of the disease.

A meeting of the New York Market Florists' Association will be held in the Clinton restaurant, adjoining the Clinton Market, next Thursday, the 15th inst., at 7:30 p. m. Every member is particularly requested to attend, as the season for opening the market is almost here.

Anton Schultheis, of College Point, L. I., is using electric light in his greenhouses with a view to hastening the flowers.

C. W. Ward, of Queens, N. Y., delivers a lecture to-day, Saturday, before the Massachusetts Horticultural Society, on the subject of "Carnations and Their Development."

At the Florists' Club meeting, on Monday evening next, several important matters relative to the S. A. F. Convention will come up for discussion. A large attendance of the members is requested.

The plant auction Spring season will open Tuesday, the 13th inst. Sales of imported shrubs, roses, etc., will take place at Wm. Elliott & Son's, Dey street, and Cleary & Co.'s, Vesey street.

Cleveland.

Rough Weather.

The severe storm of last week was pronounced by many old settlers to be the worst ever experienced in this part of the country. The heavy rain mentioned in my former letter turned into a driving sleet storm, forming a heavy coating of ice on everything that was exposed, doing damage that is almost incalculable. For two days after the storm business in all lines was practically at a standstill. Telegraph and telephone service was so badly crippled that it will be several weeks before the damage can be repaired. In spite of the severity of the storm, the many greenhouse establishments in this vicinity were but little damaged, and so far as the writer has been able to learn, none of the growers sustained any serious loss, but it would be a hard matter to estimate the large amount of damage done to trees and shrubs in the city parks and boulevards.

Lent Affects Trade.

For the first week in Lent a general depression in the floral business is quite noticeable, and all of our florists report a decided falling off in trade, but taking all things into consideration, a considerable amount of stock moved at much the same prices as before; but the wholesale market shows a tendency to weaken a little. Choice stock is offered freely and there is no shortage in any kind of flowers. Bulb stock is becoming plentiful, and on account of the limited demand for tulips, daffodils and hyacinths large quantities are on hand; $2 to $3 are the present rates obtaining for the former two varieties. The sale on tulips and narcissi, in flats, is brisk, and growers find no difficulty in placing their stock, when offered in this shape, if the flowers are choice and of desirable color, at $3 and $4 per 100 blooms.

Rose prices remain at $3 to $8, according to grade. Beauty is reported somewhat lower; $5 is the outside figure now paid for best blooms. Violets are in abundance; local growers quote these at 50c. per 100 for single, 75c. for double. Carnations bring $1.50 to $2.50 for ordinary, and $3 to $5 for extras and fancy. Harrisii lilies remain at the same figures as formerly quoted—$1.25 and $1.50 per dozen.

At the Market.

Last week was a very quiet one for stall keepers at the Sheriff Street Market, and sales were reported slow until Saturday. A slight moderation in the weather on that day stimulated trade at this place a little, and large stocks of plants that had accumulated during the early part of the week found an outlet, and moved at fair prices.

Notes.

Will Rock, formerly of this city, but who is at present in the florist business in Kansas City, was called to Cleveland last week by the death of Florence Rock, his sister. Miss Rock was a young woman, 24 years of age; she was a niece of J. M. Gasser and leaves a host of friends to mourn her loss. Her death was caused by typhoid fever.

E. A. Fetters, of Smith & Fetters, left the city, Wednesday, for a week's visit at Detroit, his former home.

B. Eschner, of M. Rice & Co., Philadelphia, was a recent visitor.

G. A. T.

PELARGONIUMS

in bud; forty of the choicest varieties, many newly imported.

3-inch, $15 per 100.
4-inch, $20 per 100.
5-inch, $25 per 100.

List of varieties furnished on application.

THE BOOL FLORAL CO.,
ITHACA, N. Y.

SPRING PLANTS

Now ready, nice stocky, healthy 2 inch pot plants.

Geraniums, double scarlet, pink, salmon and white.

Mesembryanthemums, variegata.

Lantanas, Verbenas, $2.50 per 100.

Heliotrope, Sweet Alyssum (Giant); **Scarlet Sage, Ageratum,** blue; **Cuphea, China Pinks, Poppies,** hardy; **Lobella, Vinca,** variegated, **Asters, Coleus, Alternantheras,** in variety, and **Umbrella Plants,** $1.75 per 100.

Roses, in good assortment, well established from 4 in. pots, $7 per 100; unnamed, $6 per 100.

Cannas, President McKinley, and Cleveland, also a good yellow, well rooted plants, $5 per 100.

Palms, Dracænas, Pandanus, Ferns, and other decorative plants, from 10c. to $3 each.

Nephrolepis Washingtoniensis, Erecta, five strong plants for $1, free by mail. Now is the time to start this grand giant fern.

CASH WITH ORDER, PLEASE.

N. STUDER, Wholesale Grower of Plants, Anascotia, D. C.

HARDY HERBACEOUS PLANTS CHEAP.

	Per 100
Bellis Perennis, double daisies, red or white	$1 00
Caryopteris Mastacanthus, 12 in. high	4 00
Coreopsis Lanceolata	4 00
Delphinium Formosum, blue	3 00
Digitalis, assorted	3 00
Gypsophila Paniculata, from 2 in. pots	2 00
Hemerocallis Sieboldii	4 00
Lychnis Chalcedonica	4 00
Lychnis Haageana Hybrida, from 2 in. pots	2 00
Hardy Pinks, Her Majesty, from 2 in. pots	2 00
Hardy Pinks, Anne Boleyn, 3½ in. pots	4 00
Statice Armeria	3 00
Hibiscus Crimson Eye	3 00
Myosotis Alpestris	3 00
Gaillardia Grandiflora	3 00
Eulalia Japonica	4 00
Geum Atrosangineum	4 00
Sweet William	3 00
Funkia Sieboldii variegata	4 00
Rudbeckia Golden Glow	3 00
Hollyhocks, 4 colors, red, pink, white yellow	4 00
Japanese Iris, 8 named varieties, double sorts	4 00
German Iris, mixed colors	3 00
Papaver Bracteatum, from 2 in. pots	2 00
Pansies, extra fine strain, large clumps	1 00
Pyrethrum Roseum, from 2 in. pots	2 00
Achillea, The Pearl	4 00
Aquilegia, double white and mixed, from 2 in. pots	2 00
Campanula Pyramidalis, blue and white, from 2 in. pots	2 00

Above stock is in fine shape and can be delivered now. Cash, or references, please.

EDWARD B. JACKSON, Stamford, Conn.

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS.

Wm. Scott	per 1000,	$10 00
Maude Adams	per 100,	3 50
Mrs. F. Joost	per 100,	2 50
Lady Emma	per 1000,	12 50

Unrooted at half price.
Write for prices on large lots.

CHARLES LENKER, Freeport, L. I.

Mention the Florists' Exchange when writing.

Stationery for Florists.

Every florist in the land should have a complete supply of printed matter wherewith to conduct his business in befitting style. We have the largest outfit in America devoted solely to horticultural printing, and we understand the wants of the trade. Below we quote two combination offers and would be pleased to supply you.

$5.00 Combination offer includes....

250 Noteheads, 5⅛x8¼ ins.
250 Envelopes, size 6¾.
250 Billheads, 7 ins. wide, 5⅝ ins. deep.
250 Business Cards, 2¾x4¼ ins.
250 Tags, size 2⅛x5¼ ins.

Cash with order. Delivered F. O. B., N. Y.

$10.00 Combination offer includes....

500 Noteheads, 5⅛x8¼ ins.
500 Envelopes, size 6¾.
500 Billheads, 7 ins. wide, 5⅝ ins. deep.
500 Monthly Statements, 5⅛x8¼ ins.
500 Business Cards, 2¾x4¼ ins.
500 Tags, 2⅛x5¼ ins.
One Day Book. } If these are not wanted
One Ledger. } subtract $1.50.

Cash with order. Delivered F. O. B., N. Y.

PLEASE READ THIS BEFORE YOU ORDER.

Write plainly and send "copy" for each article wanted.

Noteheads will be furnished in smooth writing paper with ruled lines. Linen paper, ruled or unruled, can be had instead if so ordered.

Envelopes are full commercial size and of good quality.

Billheads will be furnished as above, but size 8½ ins. wide and 4¾ ins. deep will be substituted when so ordered.

Cards are of good quality and ample proportions.

Day Book and Ledger are large enough for ordinary purposes. Ledger is indexed and will hold 200 accounts.

Special designs, trade marks, etc., engraved to order. A rose, violet, or other flower can be printed on your letterheads and billheads, plain or in color, to order.

The quality of all the above work is guaranteed.

We can forward any of these combination offers with advantage to the purchaser, but it will not pay from a distance to order a single item on account of the express charges.

Address all orders to

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P. O. Box 1697 New York.

Grafted on the Manetti.

BRIDE
BRIDESMAID
KAISERIN
MORGAN
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ROBERT SIMPSON, - Clifton, N. J.

LARGE MAPLES

NORWAY MAPLES.	Per 100
1¼-1¾ in. cal., 10-14 feet	$35.00
1¾-2 " " 12-16 "	60.00
2-2¼ " " 14-18 "	90.00
2¼-2½ " " 16-19 "	110.00

SILVER MAPLES.	Per 100
1¾-2 in. cal., 12-14 feet	$25.00
2-2¼ " " 14-18 "	35.00
2¼-2½ " " 15-18 "	50.00
2½-3 " " 16-20 "	75.00
3-3½ " " 18-21 "	100.00

These are grown wide apart, have good fibrous roots, straight trunks, single leaders, symmetrical tops. CAR LOTS.

ISAAC HICKS & SON, Westbury Station, Nassau County, New York.

Mention the Florists' Exchange when writing.

Carnation Show at Boston.

The fifth annual trade exhibition of carnations and novelties, given by the Boston Co-Operative Flower Growers' Association, was held at the Flower Market on Saturday, March 3. The committee in charge, comprising Wm. Nicholson, W. C. Stickel, John Walsh and W. S. Phelps, Jr., were greatly hampered by the late arrival of quite a few of the newer carnations, which were anxiously looked for by the many visitors. The snowstorm throughout New York, Pennsylvania and farther West, not only delayed the exhibits but many of them on arrival were in too poor condition to stage. The boxes from R. Witterstaetter, Sedamsville, O., on the way since Thursday morning, did not reach Boston until late Saturday afternoon, and the flowers were in no condition for exhibiting. The boxes contained blooms of Enquirer, Estelle, Elinora and seedling No. 550 A. The box of Ethel Crocker, from Robert Craig, Philadelphia, arrived Friday afternoon, but the flowers were all closed up and not fit to stage. The boxes of The Marquis, from L. E. Marquisee, Syracuse, N. Y., did not arrive until quite late Saturday afternoon; but through the courtesy of the committee the judging was properly postponed in order to enable exhibitors from a distance, whose exhibits were received late, though no fault of theirs, an even chance in competition for the certificates.

The Marquis was the chief attraction, and it certainly made a fine appearance. L. E. Marquisee was awarded three certificates for this fine variety as follows: One for best vase of carnations in the show; one for the most decided carnation novelty not yet disseminated, and one for the best light pink carnation (lighter in color than Wm. Scott).

The Cottage Gardens, Queens, N. Y., made a nice display of the following named varieties: General Gomez, General Maceo, G. H. Crane and Mrs. Geo. M. Bradt.

Chris. Besold, Mineola, L. I., also had a good exhibit of new varieties, some of rather peculiar shades, among them being Admiral Cervera (in true Spanish colors)—a good yellow variegated variety with heavy red pencilings. Goethe, a light pink variety shading to nearly white on the outer petals; Eunice, a bright cerise color, and Roslyn.

Among the other kinds staged were a handsome vase of Genevieve Lord, from H. Weber & Sons, Oakland, Md., and fine vase of Mrs. Bertram Lippincott, from John Kuhn, Olney, Pa., which showed up very well. Both of these varieties drew forth expressions of praise.

Wm. Nicholson, Framingham, Mass., showed a fine vase of mixed carnations of exceptional size and a finely grown lot of John N May's red seedling. He also had a few white Mrs. Bradt.

M. A. Patten, Tewkesbury, Mass., exhibited a fine vase of General Gomez.

Donald Carmichael, Wellesley, had on exhibition his two seedlings of 1896—Eleanor Ames, a dark pink, and May Whitney, a white variety, both of which showed up well.

Wm. Sim, Cliftondale, showed a fine vase of Eldorado and two of his seedlings No. 1, of the Scott shade of pink, but a much fuller flower, and a No. 25, a variegated variety, white with pink pencilings. Mr. Sim also had some good Princess of Wales violets.

Thos. Capers, Wellesley Hills, demonstrated that Scott can still be grown of excellent quality, his vase of that variety being the best seen here in some time. He also showed a white seedling, Conquest; a handsome flower and very fragrant, but much too heavy for its stem.

J. A. Macrae, Providence, R. I., staged a white sport from Eldorado, the flower being of about the same form and the pencillings similar to those of the parent.

Fred. King, Providence, R. I., exhibited a vase of the handsome red variety, Fred. King, and A. Christensen, Stoneham, a vase of Mrs. Fisher.

J. L. Dillon, Bloomsburg, Pa., had a fine white variety in Queen Louise.

Among the novelties outside of carnations J. W. Howard, Somerville, staged a vase each of Bride and Bridesmaid, and Mrs. P. Morgan roses of superb quality. Anderson & Williams, Clematis Brook, a vase of good Bridesmaid; E. N. Pierce & Sons, Waverly, a fine lot of Boston Market mignonette, together with well-grown azaleas and lily plants in all stages of development. Chas. Evans, Watertown, also had mignonette of good quality.

Lady Hume Campbell violets were finely shown by H. H. Southworth, Stoughton, and S. J. Goddard, Framingham. W. L. Minor, Brockton, had a magnificent bunch of his Imperial violets, and S. J. Goddard and Frank White, Holbrook, nice vases of antirrhinum. Antoine Lenthy, of Roslindale, made a nice display of palms, ferns, etc., and Dan'l Iliffe a display of modern greenhouse fittings.

The judges, Messrs. Wm. Nicholson, M. A. Patten and W. S. Phleps, Jr., made the following awards, a full list of which is given, except those already noted in the case of L. E. Marquisee, for The Marquis.

Certificates were given for best vase white carnations, John L. Dillon, Bloomsburg, Pa., with Queen Louise.

Best vase red, Cottage Gardens, Queens, L. I., with G. H. Crane.

Best vase dark pink (darker in color than Wm. Scott), Donald Carmichael, Wellesley, with Eleanor Ames.

Best vase crimson, M. A. Patten, Tewkesbury, with General Gomez.

Best vase variegated, Cottage Gardens, Queens, L. I., with Mrs. G. M. Bradt.

Best vase yellow, Wm. Sim, Cliftondale, for Eldorado.

For best cut flower novelties, other than carnations, E. N. Peirce & Sons, Waverley, for Boston Market mignonette; J. W. Howard, Somerville, for Bridesmaid roses; William Sim, Cliftondale, for single violet, Princesse de Galles; W. L. Minor, Brockton, for double violet Imperial.

Honorable mention was awarded to H. Weber & Sons, Oakland, Md., for Genevieve Lord; John Kuhn, Olney, Pa., for Mrs. Bertram Lippincott; Thos. Capers, Wellesley Hills, for exceptionally well grown William Scott; William Sim, Cliftondale, for seedling No. 1; Chris. Besold, Mineola, L. I., for seedling carnation Goethe; Fred King, Providence, R. I., for Fred. King; J. A. Macrae, Providence, R. I., for sport from Eldorado; Wm. Nicholson, Framingham, and M. A. Patten, Lowell, for displays of carnations; S. J. Goddard, Framingham, and Frank T. White, Holbrook, for antirrhinum; Wm. Capstick, Auburndale, for sweet peas; Dan'l Iliffe, Melrose, for greenhouse fittings, and Antoine Lenthy, Roslindale, for palms, ferns, etc.

F. J. NORTON.



Carnation Leaves Affected with Fusarium Leaf Spot.

[See page 107, FLORISTS' EXCHANGE. Reproduced by courtesy of the New York Agricultural Experimeot Station, Geneva, N. Y.]

Scales.

Scale is a horticultural insect that often needs doctoring, and 'tis no wonder that when novelties and new varieties are scaled a diagnosis and council of plant pathologists is a *dernier resort*. Really you cannot determine the usefulness of a novelty by mere arithmetic, and when it comes to judging the intrinsic merit and commercial value of n variety experience alone will present growing facts.

No scale of points can be evolved that will pre-destinate the fate of a novelty. And what is the scale of judging by points but the perspective of comparative analogy! It actually does not prove anything. You simply pass an opinion of what is before you—presumably the highest grade of its cut blooms, as applied to carnations. Its calyx will be intact as seen on exhibition, but a large proportion as growing may "bust their biler." If a "scale" was reliable, no blunders like Empress and Evelina would be recorded. Size may be satisfactory, but then its calyx may be stuffed, as a turkey's crop is crammed just before Thanksgiving. As to color, you can more easily judge perhaps, and yet both color and form are simply matters of individual taste. Schuyler Matthews speaks of "the glowing tones of magentas." Now both the Lawson and Enquirer are deemed "off shades" by many. Neither the fragrance nor keeping qualities implied by substance can be practically judged at exhibitions. Any scale of judging will be both elusive and delusive as an infallible rule and guide. Therefore don't lay too much stress on any scheme that must of necessity employ more or less guesswork for its substantiation.

GROVE P. RAWSON.

Points in Winter Potting.

In one of the large Western greenhouses, making a specialty of plants for the mail and express trade, considerable loss was experienced among newly potted palms, no one knew why. Where a large number of plants, particularly rooted cuttings, were potted off the loss was invariably greatest among the ones first potted and gradually diminished toward the last, where, as a rule, the loss was trifling. When only a few plants were freshly potted or shifted, marked losses were not noticed. My observations, which continued over a period of several months, led to nothing at the time, but I have recently stumbled, I may say, upon the causes of failure.

Where newly potted cuttings were the sufferers I at first surmised that they were poorly rooted, but this was not the case because the propagator was very particular, as I proved to my satisfaction, to have only well-rooted cuttings sent to the potting bench. Then I thought that the man that did the potting was careless and broke the roots. This was not the case, because the loss was fully as great when I did the work myself. The quality of the soil was tested to no purpose; it was good. In like manner other possible causes were investigated with unsatisfactory results.

In that establishment everything was crowded and many things were not properly cared for. Owing to this bad management and want of proper space, all potting soil, sand, etc., had to be stored out-of-doors, and when needed, they had to be dug out from under the snow and their crust of frozen surface. The unfrozen, and often frozen, soil was then wheeled in and screened upon the potting-room floor. Potting would commence as soon as sufficient soil had been screened and prepared to last for the day or for the quantity of plants to be potted. This was the cause of the trouble; the soil was cold, very cold. Often the men at the potting bench would stop to warm their hands at the steam pipes. When this cold soil was forced into contact with the tender roots fresh from the propagating bed it chilled them to such a degree as to bring their vital forces to a standstill, and before they could recover the soil would have become sour and the surface covered with the green algæ that every florist knows will thrive where the roots are not active. The only wonder in the matter is that so many lived after such treatment.

It is of the utmost importance that soil for potting plants, especially rooted cuttings, be warmed to nearly the temperature of the air of the potting room, or if that be a chilly place, warm enough to be handled without discomfort to the men working with it. When the storage of the soil cannot be arranged where the temperature is moderate, the soil needed for a day's potting should be hauled in from outside, at the latest on the evening before, and left in shallow piles during the night to become warmed. With soil of proper temperature, difficulties and losses should be greatly reduced, and only a normal or reasonable loss expected.

M. G. KAINS.

ROOTED CUTTINGS
OF CARNATIONS.
Both new and old varieties at lowest prices for good stock. Special rates on orders booked for future delivery. Satisfaction or money refunded. Send for price list.
GEO. A. RACKHAM, 880 Van Dyke Avenue, DETROIT, MICH.
Mention the Florists' Exchange when writing.

Rooted Cuttings of New and Standard
CARNATIONS.
SEND FOR PRICE LIST.
WM. SWAYNE, Kennett Square, Penn.
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Rooted Cuttings of Carnations
NOW READY
Jubilee, White Cloud, New York, and all standard varieties. Write for prices.
VIOLETS Orders booked now for rooted cuttings. If you want the best stock obtainable give us your order now for April delivery and you will get the best.
CRABB & HUNTER, Grand Rapids, Mich.
Mention the Florists' Exchange when writing.

EVANSTON—Cuttings
Get your Rooted Cuttings of EVANSTON, orange scarlet, money maker, from original stock.
Price, $2.50 per 100; $20 per 1000.
ADDRESS
M. WIELAND, 1917 Maple Avenue, EVANSTON, ILL.
Mention the Florists' Exchange when writing.

SOUTHERN FLORISTS
Plant Southern-Grown CARNATIONS.
20,000 Rooted Cuttings. 15,000 2-in. Pot Plants.
For Sorts and Prices write to
SOUTHERN NURSERY, San Antonio, Tex.
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Mention the Florists' Exchange when writing.

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CARNATIONS.
Victor, rooted cuttings.....per 100, $1 50
Daybreak, rooted cuttings... " 1.25
Portia, rooted cuttings..... " 1.00
GERANIUM Mountain of Snow, per 100, $1 25.
GEORGE SMITH, Manchester, Vt.
Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000
Mrs. Lawson	$14 00	$120 00
G. H. Crane	5 00	
America	5 00	40 00
White Cloud	2 50	20 00
Frances Joost	2 50	20 00
Triumph	2 50	20 00
Evanston	2 50	20 00
Jubilee	2 00	15 00
Gold Nugget	2 00	15 00
Mrs. McBurney	$2 00	$15 00
Flora Hill	1 25	10 00
Daybreak	1 25	10 00
Argyle	1 25	10 00
Armazindy	1 25	10 00
Lizzie McGowan	1 00	7 50
Mayor Pingree	1 00	7 50
W. Scott	1 00	7 50
Tidal Wave	1 00	7 50
Morella	1 00	7 50

ROSES.

	Per 100	Per 1000
La France	$2 00	$17 50
Perle	1 50	12 50
Bridesmaid	1 50	12 50
Meteor	$1 50	$12 50
Bride	1 50	12 50

Stock to be first class and to be sold under the conditions that they shall be returned immediately if not satisfactory. Address

GEORGE REINBERG,

Mention this paper. 51 Wabash Avenue, CHICAGO, ILL.

GENEVIEVE LORD

The Peerless New Light Pink Carnation.

THE demand has been such that we are compelled to announce that stock for delivery prior to March 20 is all sold. Experts agree that it is the best sell ing pink yet produced. The color is just right, the ladies say, and they surely know. We know, too, that its stems are the grandest of any carnation, quite a factor, too, and more particularly so since it also possesses a size which entitles it to a place in the front row, an odor so sweet as to cause immediate no ice, a growth and freedom of bloom which delights the grower; an individuality incomparably its own. This is a striking feature in any carnation, and Genevieve Lord possesses it to a greater extent than any other carnation; this is why it sells so readily and makes the demand for blooms far greater than the supply

If you want this record-breaker in your list next winter, order at once. If you delay it may be too late.

PRICE, $2.00 per doz.; $10.00 per 100; $75.00 per 1000.

We can also furnish at introducers' prices all of the "big new ones."

Also Best NEW and STANDARD CHRYSANTHEMUMS.

Our Catalogue is now ready and will be sent to all who ask for it.

H. WEBER & SONS, Oakland, Md.

CARNATION CUTTINGS

Now ready of all the leading varieties.
All stock guaranteed A1.
If not satisfactory, money refunded.

CHICAGO CARNATION CO.,

Greenhouses and Address, JOLIET, ILLS.

CARNATIONS John Young, New York, Eldorado, Hector, $1.50; G. H. Crane, $6; White Cloud, $4; Mrs. Jas. Dean, $3 a 100. Unrooted John Young and New York at half price.

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DOUBLE PETUNIAS, 2½ inch, $2.00.
HELIOTROPE. Rooted, $1.00; 2 inch, $2.00.
Orders for started Cannas booked.
Wanted, some thousands of Cannas, Florence Vaughan and Alphonse Bouvier, at lowest cash price.
WILLIAM STUPPE, Hollis, L. I., N.Y.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Rooted Cuttings—Carnations

Gomez, Maceo, Jubilee, White Cloud, Flora Hill, Daybreak Scott, McGowan, Portia, Eldorado and Anna Webb.
WRITE FOR PRICES.
EDW. J. TAYLOR, Southport, Conn.

Carnations, Rooted Cuttings, Crane, $6 per 100; America, $5 per 100; White Cloud, $4 per 100; Jubilee, $2 per 100; Scott, Daybreak, Victor, F. Hill, McGowan, Evelina, Genesee, Eldorado, $1.25 per 100, $10 per 1000.

Roses, 2-inch Pots, Select Stock. American Beauties, 5 cts.; Perles 4 cts.; Brides and Bridesmaid, 3 cts.
Send for list of other varieties.
WM. MURPHY, Sta F, Cincinnati, O.

Mrs. Fisher Carnations

From soil, $1.00 per 100; 2½ in. pots, $2.00 per 100.

Chrysanthemums Merry Monarch, Boonaffon, and Merry Xmas, $2 per 100.
Cash with order.

WM. KEIR, Pikesville, Md.
Mention the Florists' Exchange when writing.

New Carnation-ALMA

The most productive Carnation we have. Rose Pink, new, $5.00 per 100; $40.00 per 1000.

Daybreak, $2.00 per 100; $15.00 per 1000.
Wm. Scott, Genesee, Evelina, Portia and Bon Ton, $1.50 per 100; $10.00 per 1000.
Victor, $1.50 per 100; $12.00 per 1000.
F. Hill, $1.75 per 100; $15.00 per 1000.
White Cloud, $2.50 per 100; $20 per 1000.
Jubilee, $2.00 per 100; $15.00 per 1000.
BABY PRIMROSE 3 in., strong, per doz., $1.50; per 100, $10.00.

C. MERKEL & SON, Mentor, Ohio
Mention the Florists' Exchange when writing.

Well Rooted Carnation Cuttings

Strictly first-class stock, from our own greenhouses.

Wm. Scott, Edith Foster, Daybreak, Freedom.....$1.00 per 100.
Mrs. Francis Joost.....$2.50 per 100.
Flora Hill.....$1.50 per 100.
Ready now. Orders booked for future delivery from sand or soil.

N. F. McCARTHY & CO., Boston, Mass.
84 Hawley Street.
Mention the Florists' Exchange when writing.

50,000 Wm. Scott CARNATION CUTTINGS.

From sand or soil, $6.00 per 1000, or 4000 for $20.00.
Mrs. Joost, Melba, $2.50 per 100, or $20.00 per 1000.
Flora Hill, Daybreak, $1.25 per 100, $10 per 1000.
Victor, Mayor Pingree, $1.00 per 100, $9 per 1000.
General Maceo, $4.00 per 100; $35.00 per 1000.
Jubilee, $1.50 per 100; $12.00 per 1000.

DOUBLE PETUNIAS Good strong plants, best varieties, 3 in. pots, $3.00 per 100; $25.00 per 1000.
Cash with order.

CARL E. TAUBE, Trenton, N. J.
MERCER FLORAL CO.
Mention the Florists' Exchange when writing.

Ethel Crocker

Absolutely the best Pink CARNATION ever offered the Trade. . . . .

A fact fully borne out by its record, being equally good with Craig, Hill, and myself. (An assurance that it is not a success in one soil and a failure in another.) By its having been shown at the Flower Shows and Clubs since early in September. (An assurance that it is not a good late carnation, but an all season variety.)

In color, size, fragrance and stem it is just what the "storemen" want.

In habit, constitution and freedom of bloom, it is just what the grower wants. It produces more flowers to the square foot than any other known variety, and is never out of crop from September to July.

With 18,000 stock plants to work from there is no danger of it being over-propagated, and all orders intrusted to me will be filled with cuttings selected from the plants and the order filled by myself, thus doubly assuring good stock.

Honest sample blooms furnished, prepaid, at $1.00 per dozen. Amount deducted from all orders for 100 or over. Up to date, every sample excepting one out of several hundred sent, has brought an order.

PRICE—Per 100, $10.00; per 25, $2.50; per 1000, $75.00; per 250, $18.75.

☞**PRICE LIST FOR STANDARD VARIETIES READY NOW.**

HERR'S PANSIES—Good little plants at 75 cts. per 100; $4.00 per 1000.

ALBERT M. HERR - - Lancaster Pa.
Mention the Florists' Exchange when writing.

CARNATIONS

Large Stock of Strong Rooted Cuttings Now Ready.

G. H. CRANE, MORNING GLORY, MACEO, GLACIER, GOMEZ, AMERICA, RED MRS. BRADT (or Chicago), MARY WOOD and other good standard sorts.

MRS. GEO. M. BRADT for March delivery—all the early stock sold.

FIVE 1900 NOVELTIES.

MRS. THOS. LAWSON, ETHEL CROCKER, THE MARQUIS, OLYMPIA and GENEVIEVE LORD. At introductory prices.

We make a Specialty of Rooted Cuttings, and have three houses of stock growing for that purpose only.

Send for Descriptive Price List.

F. DORNER & SONS CO.,

LAFAYETTE, IND.

Mention the Florists' Exchange when writing.

CARNATIONS

Strong, well-rooted plants from flats and soil

	Per 100.	Per 1000.
Wm. Scott	$2.00	$15 00
Rose Queen	2.50	20.00
Eldorado	2.00	15 00
Lizzie McGowan	1.50	12.00
Mrs. Fisher	1.50	12 00
Portia	1.50	12.00
Thos. Cartledge	2.50	20.00

Our aim is to supply a superior quality of plants only. Cash with order.
W. T. & F. P. BUTZ, Newcastle, Pa.
Mention the Florists' Exchange when writing.

ROOTED

CARNATION CUTTINGS.

ETHEL CROCKER	$10 00 per 100
THE MARQUIS	10 00 "
G. H. CRANE	5 00 "
WHITE CLOUD	2 50 "
MRS. JOOST	2 00 "
VICTOR	1 25 "
DAYBREAK	1 25 "

H. F. LITTLEFIELD, Worcester, Mass.

Carnation Cuttings.

	Per 100
MRS. LAWSON	$14.00
G. H. CRANE	5.00
AMERICA	3 00
MELBA	3.00
LESLIE PAUL	3.00
GOV. GRIGGS	3.00
MRS. BRADT	3.00
FRANCES JOOST	2.50
EVANSTON	2.50
JUBILEE	2.50
VICTOR	2.00
WHITE CLOUD	2.50
FLORA HILL	2.00
GOLD NUGGET	2.00
TRIUMPH	2 00
DAYBREAK	1.25
ARGYLE	1.25
ARMAZINDY	1.25
LIZZIE McGOWAN	1.00
EVELINA	1.00
MAYOR PINGREE	1.00
WM. SCOTT	1.00
NIVEA	1.00
MORELLO	1.00

10 PER CENT. DISCOUNT ON THOUSAND LOTS.

Rose Cuttings.

METEOR	per 100,	$1.50
BRIDESMAID	"	1.50
PERLE	"	1.50
BRIDE	"	1.50
GOLDEN GATE	"	2.50

Write for prices on large lots.

All plants and cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded. Write for prices on larger lots.

PETER REINBERG, 51 Wabash Ave., Chicago.
Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00. Payable in advance. The date on the address label indicates when subscription expires.

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BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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Erratum.

In advertisement of Harry A. Bunyard, 42 W. 28th St., New York, on page 217, last issue, read price of Manetti, $12.00 per 1000, not per 100.

A citizen of New Haven, Conn., who has just returned from a trip to Cuba, states that the growing of Easter lilies is becoming an important industry in the island; and that these bulbs are supplanting potatoes, formerly raised quite extensively by the Cuban farmers.

A Chance for the Young Man.

The competition announced in previous issues of the EXCHANGE closed, as stated, March 7. The various papers submitted are now in the hands of the judges, whose decision will be made known to our readers in an early number. Meantime we thank all the contestants who have entered.

The Question of Size.

"You have heard of a sensible proverb, no doubt,
Which observes, 'Many men, many minds;'
We have, most of us, met in our travels about
Funny fancies of numberless kinds.
But I never dispute what my neighbor may say;
Nor think it absurd or misplaced,
But mildly remark, in my own quiet way,
'It's purely a matter of taste.'"

—OLD SONG.

In these columns Mr. Gillett, of Cincinnati, recently made the following comments on the subject of size, as pertaining to the carnation: "I believe that the carnation has arrived at a size large enough, and that what the growers want, what the retailers want, and what the trade in general wants, is a fancy type of carnation that will produce two-thirds as many blooms as the ordinary commercial sorts, and that will sell for one-third more money. When this is done, the fancy carnation will be on a paying basis."

Here is a statement from a gentleman who is in close contact with the selling end of the carnation, and whose opinion is, no doubt, well grounded. It seems to us that it contains "food for thought," and is worthy of some consideration by all interested.

The question of size in any flower is, of course, largely "a matter of taste," and it is peculiar to observe the different values placed upon it, as a desirable quality of the carnation, and as forming a factor in the excellence of that flower, in this country and in England. Here we are apt to look upon it in the light of a *sine qua non* as an indication of the progress making in the carnation. This is how our English confrères view it: "Size, as a point of excellence, deserves the least consideration. Any limit between 2¼ inches as a minimum and 3½ inches as a maximum will be found to afford ample ground for admiration. In competition, *other points being equal*, of course, the larger size would win."

Those who favor a large flower in our American carnations advance the statement that an equal or better effect can be created with a less number of blooms; and as it is the effect produced or impression made thereby that constitutes the measure of beauty of the individual, the larger flower, from the florist's standpoint, is preferable. They add that Nature herself promulgates this doctrine of grossness, in that where she has endowed species of flowers with the restricted faculty of producing small blossoms, she sees to it that these are furnished in quantities in order to create impression. But as Nature has not granted to all mankind a similar individual "taste" in such matters, we have among us those who prefer, for instance, the bunch of violets to the single American Beauty rose or the 21-inch-in-circumference chrysanthemum, and so it goes.

Without wishing to be controversial, it would seem at first sight that, as there are different tastes in this as in everything else, no arbitrary standard should be placed on any attribute, the aim being more to cater to each individual predilection; and largely so to that one which the greater demand demonstrates as being the most pronounced—something that will assert itself in our every-day business relations with a purchasing public. Yet we cannot afford to set aside the artistic ideal which the cultivated taste has placed before us; that must ever remain. And while it may, perhaps, be unwise to condemn totally what the cultivated taste may consider a vulgar predilection, as the measuring of beauty "by the yard stick," it might be well to stop and consider how far we can safely go in our endeavor to pander to the latter, without reflecting on our own art or profession, or hurting our commercial interests even, for the contingency of removing, by increased size, the carnation from the class and position it now holds and placing it in greater competition with other flowers, must ever be borne in mind.

We may have arrived at that condition which our friends across the water style one of "super-excellence," and the same advice thereanent, as has been provided in the case of the English carnation grower, will not be out of place when applied to ourselves at this time. Here it is: "Day by day as the sands pass, that super-excellence is being surely, if slowly, unfolded to our gaze. Let us make sure of its form and feature, its every line, before we begin to discuss its parts. It is the mistake of many, perhaps of most florists, to think of excellence as embodied in some more or less gifted variety; and thus they flounder in a bog of error, forgetful that the ideal alone is permanent. But that ideal is no creature of the imagination. It rests upon immutable law, ever open to the reverent student and leading through every successive step to higher and nobler things. Classification has its useful place among flowers, beyond all doubt; but far more important to the florist is the cultivation of the artistic element. The more fully they realize the 'joy forever' involved in the 'thing of beauty,' the more they go to Nature and note her glories and simplicities, the more will they turn from dogma and ignorant formulas in which, as a rule, it revels. Form, with its infinite expression; color, with its glorious harmonies; contrast, in its masculine force; and combination, in its enchanting results—will be ever an informing study, always enlarging, never restricting; and minds so formed will not peddle as to a shade of color, the breadth or direction of a stripe, or as to varying form."

All very pretty, you will say, but hardly suited to this intensely practical age and generation, and less so to a body of men who grow the carnation from the bread and butter standpoint; yet it is worth reading, as showing how, in the exercise of our beautiful calling, we should hold as near to the innate attributes, constituting perfection, of those subjects of Nature, the care and development of which we have assumed as a trust.

Rose Society's Special Premiums.

Subjoined is a list of the special premiums to be offered at the exhibition of the American Rose Society, which occurs March 27-29 next, in the Eden Musee, 55 West 23d street, New York City. In addition to these, prizes and certificates for 162 classes are included in the schedule, which has now been distributed. John N. May, Summit, N. J., is exhibition manager, and all entries must be made at least 24 hours before the opening of the show. Leonard Barron, 136 Liberty street, New York, is secretary.

The Mason Cup, valued at $100, offered by Mrs. T. H. Mason, for the best display of roses, of any variety, in any shape or form, and containing not less than 100 nor more than 200 blooms.

The Stoeckel Cup, valued at $100, offered by Carl Stoeckel, Esq., for the best 36 plants of hardy garden roses, in pots, in not less than 12 varieties.

The Bliss Cup, value $50, offered by C. N. Bliss, Esq., Oceanic, N. J., best 50 blooms, any variety.

The Trevor Prize, offered by Mrs. John Trevor, for the best arranged vase of roses, not less than 100 blooms. (Exhibitors may provide their own vase.) One prize, $25.

The Joline Cup, offered by Mrs. A. H. Joline, for the best vase of La France roses, not less than 36 blooms. (To be shown in exhibitor's own vase.)

The Fitzgerald Prize, value, $10, offered by Mrs. Louis Fitzgerald, for best vase 36 roses of any one variety, not American Beauty.

The Sturges Medal, offered by Mrs. S. S. Sturges, for the best vase of Lamarck rose, silver medal.

The Thorley Cup, value $150, presented by C. Thorley, Esq., New York City, for the best display or collection of named roses, not less than 12 nor more than 50 blooms of any one variety, to be competed for at the March Show of the American Rose Society, and to be held in trust for one year by the party winning it, when it will again be offered in competition until won twice by any one exhibitor, when it becomes his absolute property.

The Siebrecht Cup, value $150, presented by Henry A. Siebrecht, Esq., New York City, for the best display of hybrid perpetual rose plants in bloom, grown in pots of not less than 8-inch size. Twenty-five varieties, not less than two plants of each. To be competed for at the March Show of the American Rose Society, and to be held in trust for one year by the party winning it, when it will again be offered in competition until won twice by any one exhibitor, when it becomes his absolute property.

The Wood Prizes, offered by E. M. Wood, Esq., for blooms of Marechal Niel rose; three prizes. For best 50 blooms, $30; for best 25 blooms, $15; for best 12 blooms, $5.

The Pierson Cup, value $50, offered by F. R. & P. M. Pierson, Scarborough, N. Y., for best 100 blooms red.

The Asmus Prizes, offered by E. G. Asmus, Esq., W. Hoboken, N. J., for best 50 blooms, American Beauty, with stems not to exceed 48 inches. First, $30; second, $20.

The Taylor Cup, value $25, offered by J. H. Taylor, Esq., Bayside, L. I., for best 25 blooms, Admiral Dewey.

The Hoffmeister Cup, value $5, offered by Hoffmeister Floral Co., Cincinnati, O., for best 25 blooms, Maid of Honor.

The American Rose Co.'s Cup, silver cup, offered by American Rose Co., Washington, D. C., for best 25 blooms, Golden Gate.

Best collections of cut roses, 36 blooms (commercial growers excluded), in not less than six varieties; two prizes offered by the New Jersey Floricultural Society. First prize, $10; second prize, $5.

Best 18 blooms of Bride, and 18 blooms of Bridesmaid roses, open to all, offered by the Morris County (N. J.) Gardeners and Florists' Club, $25.

The Hill Vase, a Rockwood vase, offered by E. G. Hill, Esq., Richmond, Ind., for the best collection of named roses.

Best two vases of Bride and Bridesmaid roses, not less than 25 blooms of each. (Private gardeners only.) Offered by the Lenox (Mass.) Horticultural Society. $10.

The Young Cup, value $50, offered by T. Young, Jr., New York City, for the best mantel decoration. Roses to be the only flowers used. (Entries in this class must be sent in by March 24.)

The Craig Cup, value $50, offered by Robert Craig, Esq., Philadelphia, Pa., for the best mirror decoration. (Entries in this class must be sent in by March 24.)

The New York Florists' Club Medals.—The gold and silver medals given by the New York Florists' Club are offered for the best 100 roses, in four varieties, from growers residing outside a radius of 150 miles from New York City, as measured by the distances shown on the railroad tables. First prize, gold medal; second prize, silver medal.

The Lincoln Co.'s Prize, presented by the Lincoln Co., Hartford, Conn, consisting of an enameled white and gold plant stand, will be awarded to the exhibitor having the finest roses in the show. Independent of any premium the same exhibitor may win in any class in which he enters.

If, in the opinion of the judges, any of the exhibits competing for the foregoing awards are not deemed sufficiently meritorious, the prizes will not be awarded, but will remain in the custody of the American Rose Society to be offered again at a subsequent show.

OBITUARY.

Robert C. Brown.

Robert C. Brown, the well-known nurseryman of Rochester, N. Y., died on February 27, after little more than a week's illness. Mr. Brown was one of the most highly respected citizens of Rochester. He was born in the eastern part of the city in 1864. Upon concluding grammar school he entered business. At the age of 20 years he formed a partnership with his brother, Charles J. Brown. The two started in the nursery business under the name of Brown Brothers. In 1890 the company was incorporated with Robert Brown as treasurer.

The development of the Canadian business of the firm took Mr. Brown to the Dominion for a great deal of his time. In the early nineties he made his residence for two or three years at Toronto. Here he made many friends with whom he kept in touch after his return to Rochester, through frequent visits. In 1895 Mr. Brown married Miss Helen May French. One of his greatest pleasures was the beautifying of his residence. On the lawn he planted many rare shrubs in the care of which he found the greatest delight.

Mr. Brown was the treasurer of the Herrick Seed Company and the Perry Nursery Company. He is survived by his wife and one daughter.

John G. Glen

John G. Glen, of the nursery firm of Glen Bros., Rochester, N. Y., died at Atlantic City, N. J., Tuesday, February 27. He had been in business in the Flour City since his fifteenth year. Three brothers survive him—Frank W. Glen, of Brooklyn; Alonzo P. Glen, of Medina, Ohio, and Gerrit S. Glen, of New York.

William D. Perry.

William D. Perry, a gardener at Brooklawn Park, New Bedford, Mass., died suddenly, February 26, aged 62 years. He belonged to Post 1, G. A. R., and leaves a widow and three children.

Socrates Lewis.

Socrates Lewis, a resident of Wellsville, Ohio, died Saturday, March 3, at the age of 88. He had been a resident of the town for 46 years, and for sometime followed the occupation of florist.

New Jersey Floricultural Society.

Mr. Samuel Henshaw, of the New York Botanical Gardens, gave an informal talk upon the flora of the West Indies on March 7, at the society's rooms in Orange. Mr. Henshaw's interest centered chiefly in Grenada or Trinidad, probably because his early associations were English, and while the science of botany has been carefully fostered in the possessions of Great Britain in the West Indies, it has been as persistently discouraged in her former possessions by Spain. Five years before Mr. Henshaw's visit, which took place a year ago, the botanical gardens were founded upon the island of Trinidad. The curator pointing to two magnificent palms which form the gateway to the approach, explained that five years before he had grown them in a thumb pots. Their diameter now is two feet six inches, as also a Eucalyptus globulus of splendid proportions, and an Acalypha tricolor measuring 18 feet in diameter, grown in the same manner from equally small beginnings. This will give an idea of tropical growth. The very weeds one treads upon are a revelation; Tradescantia tricolor and discolor and oxalis in quantity. At Port-au-Spain Mr. Henshaw counted six varieties; 21 varieties of begonias, but not one rex. Guava, bread fruit and pineapples abound. There are whole fields of Caladium esculentum, which are eaten very much as potatoes are here, but the speaker likened their flavor to Jerusalem artichoke and soap. The native laundress starches your shirt with maranta and returns it to you as stiff as a board.

Among water plants is Victoria Regia, which is a weed here. Of orchids the speaker met but few. The feature of the tropical mountain is the growth of palms to the very summit.

The difference in vegetation is strikingly apparent in the English and Spanish possessions, all the trees, save in inaccessible places, having been removed to make room for the growing of sugar in the former possessions of Spain. In Puerto Rico the tree-ferns are beautiful and fringe the banks of streams. Bananas have been cultivated so long as to have spread and are found wild. Tobacco is seen in every available spot, being grown even on the precipices. Sugar cane at present is a drug, due to the loss of the home market in Spain and the embarrassing tariff, and there is no application for it save to make rum. Coffee of fine quality is grown, but much goes to waste for want of a market. Latania, sensitive plant, ipomœa and thunbergia are as weeds. A fence warranted to be hogtight is made of euphorbia, the aloe being used for the same purpose; hedges of crotons, six feet high, beautify the landscape.

The public square is the best part of the towns of Puerto Rico; the climate is delightful—particularly at this season, it is a perpetual "midsummer night's dream." In a private garden Mr. Henshaw saw pineapples growing, of the Queen and Smooth Cayenne varieties. The Spaniards have exhausted the soil, and it will be long before Puerto Rico will compete with other tropical countries in growing food products, but its future to this country is as a Winter resort.

In order to interest the school children in floriculture, the society appointed a committee, consisting of J. B. Davis, John Hayes and J. C. Williams, to devise a plan for the gratuitous distribution of plants, these to form a feature of the society's Fall exhibition, when premiums will be offered. The committee reported favorably, and the distribution will take place in May. D.

Irondequoit, N. Y.

Several of William Raynor's greenhouses collapsed under the heavy weight of snow during the recent storm, doing considerable damage.

Philadelphia.

Lenten Season Affects the Market.

The cut flower market is now feeling the effect of the Lenten season. All kinds of flowers are selling slower, and considerable are now being carried over. In consequence prices are much easier than last week. White flowers continue in fair demand, on account of funeral work. So far the stores do not feel the Lenten season only in the case of decorative work. Transient trade has been very good the past week. Commission men say shipping trade has fallen off considerably, and if this continues a glut of most flowers will result.

Sales of flowering plants at retail have been very good. Azaleas have, so far, gone very well.

Among Growers.

Godfrey Aschmann is, as usual, growing a large quantity of Easter stock—much more than last year—and has his plants in good condition, and all about right as to time. He has two houses of azaleas, some 1,500 plants in all, of sizes 12 to 14 inches in diameter. It will be difficult to hold some varieties, but most of the plants are all right. Lilies are in fine shape, and the 7 to 9 size are well budded; the 5 to 7 size have fewer buds than last year. The plants also are not so true this season, many bulbs sold as Harrisii are turning out to be longiflorum. Spiræas are very good, and show plenty of flower. DAVID RUST.

Montreal.

Trade Notes.

With cheerful news from abroad trade during the past week has improved, but even now it might be a great deal better. Funeral work has been fairly plentiful.

With two of the largest establishments destroyed by frost and fire respectively, lately, it looks as if plants at Easter were going to be scarce.

A Record Storm.

The terrible storm of Thursday last, during which day the observatory here recorded a snowfall of 53 inches, with the wind blowing 60 miles an hour and the thermometer near the zero mark, played havoc with the greenhouses.

The roof of one of the big city conservatories was crushed in and many valuable plants frozen. Colin Campbell's smokestack was wrecked and much glass was broken. McKenna & Sons had several sash bars broken and much glass destroyed. The snow was packed to the depth of 12 feet on the sills of Bennett's ridge and furrow houses, where they connect with the potting shed. A lot of broken glass was the extent of the damage; in fact, no place escaped serious injury.

Fires.

During the morning of the 5th inst. the splendid greenhouse establishment of S. S. Bain, at Verdem, was totally destroyed by fire, together with all contents, with the exception of one small detached house planted with carnations. It is understood that his new dwelling house, standing at a distance from the greenhouse, also escaped. The fire originated in one of the boiler rooms and had made considerable headway before it was discovered.

Notes.

Jos. Bennett has a very fine lot of Bougainvillea glabra Sanderiana in flower just now and coming in for Easter. They are from cuttings struck last March, planted out in Summer, lifted in the Fall, and planted two or three plants together, in 5 and 6-inch pots. Many were sold at Christmas, but the plants in flower at present, being cooler grown, are much finer in every way. They are 6 to 9 inches in height, 1 to 2 feet in diameter, and a mass of flowers. No tying, staking or feeding has been resorted to, the straggling shoots only being cut back before the plants were started.

A small lot of cinerarias here are also of extra quality. They are an entirely distinct strain to any seen here before—very dwarf, with foliage completely covering the pots; spendid heads of flowers, the whites especially deserving mention. In 5-inch pots and pans they retail readily at $2 to $3 each. Messrs. Ewing, of this city, supplied the seed.

Club.

At the meeting on Monday night McHugh, the cyclamen specialist, will read a paper on cyclamen.

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(56) **Disease on Carnations and Chrysanthemums.**—I take the liberty to ask you to examine the inclosed leaves. This disease is prevalent in our neighborhood, and some of the gardeners say there is no cure for it. Kindly let me know what the disease is and if you know of any remedy. I have been growing fine carnations and chrysanthemums for the last 18 years and never had this disease before.—FAR ROCKAWAY.

—The whitish discoloration on the surface of the carnation leaves is due to the work of the red spider, and some of the small circular translucent dots are also caused by spider punctures. The larger circular translucent spots in the leaf are produced by punctures of aphides. It is the disease commonly known as bacteriosis, but later investigations have shown that it is not due to bacteria but to insects. The treatment, therefore, is to keep the plants free from aphides by occasional light fumigations with tobacco, or, preferably, with some of the purer forms of nicotine. The spider, of course, can be kept down only by syringing the plants with water under a pressure of 25 to 30 pounds. This should be done only on clear days of course, and if carefully attended to spider can be kept down. This treatment will also keep off thrips and reduce to some extent the number of aphides, although, as before stated, fumigation must be depended upon to destroy them. In the hands of some growers light fumigations with hydrocyanic acid gas have proved effective, but we can scarcely recommend the use of the gas on carnations, at present, except to those who have experimented with it.

The chrysanthemum leaves have also been injured by some surface working insect or mite—possibly red spider. The larger brown spots are produced by a fungus. For the surface-working insect or mites syringing the plants, as suggested for carnations, is the best remedy to apply, but great care must be taken that the syringing is done so that the plants may dry off by night, and plenty of air must be given to the foliage. The light and air will also prevent excessive development of spot in most cases. Fungicides like Bordeaux mixture can be used for prevention of spot, but usually it is not necessary to resort to this means if careful attention be given to affording the plants plenty of light and air and keeping them in good, healthy condition.

ALBERT F. WOODS.
Assistant Chief of Division of Vegetable Pathology and Physiology.

(57) **Temperature in Rose Houses.**—We would like to know if it is a custom to allow the temperature to run anywhere from 60 to 100 degrees in rose houses, and not give air, regardless of temperature, until after the sun shows on the houses? If such should be the case would it not produce very weak flowers and stems?

Should Easter lilies and Rambler roses be kept in very low temperature now? They are showing bud.—LAKEVIEW, KY.

—To allow the thermometer to register 100 degrees before putting on some air is certainly wrong and would result in a weak growth. When a house becomes too warm air should be given whether the sun is shining on the glass or not, or for that matter whether it is day time or night time.

The Easter lilies if just showing bud will have to be kept in a warm house to be in on time. The roses will require to be kept cool and held back, as the buds develop, ordinarily, in 28 days.

(58) **Phormium Tenax variegatum.**—Subscriber.—To work up a stock of the variegated Phormium tenax there is no better or cheaper way than to divide the crowns into single pieces before growth commences; that is supposing one has a number of old plants with plenty of crowns. If, however, there are no old plants at command seed should be procured and sown at once. Sow in a pan, place in a moderately warm house; pot when large enough and grow along in the warmest house, shifting into larger pots as required, using a light, rich soil with plenty of sand in it.

(59) **Size of Greenhouse.**—I want to build greenhouses enough to be able to cut 600 to 1,000 carnations blooms weekly. Would you kindly tell me, through your valuable paper, about the size of greenhouse or houses required? Also about what number of plants, as I would like to raise my own, in such varieties as Scott, Daybreak and McGowan. —A. J. P.

—To insure the cutting of from 600 to 1,000 flowers per week it would be necessary to plant 1,000 plants, providing that number of flowers is wanted from the beginning of the season, say in November. About 1,000 feet of bench space would be required; this could be obtained in one house measuring 100 feet long by 14 feet wide, or a house 50 feet long by 28 feet wide.

(60) **Various Rose Inquiries.**—I have two greenhouses filled with roses. The houses run east and west; they are ventilated on the south side. Just at this season the sun is strong, the atmosphere is cool, the wind is blowing half a gale from the south, coming in direct contact with the ventilating sash. The thermometer registers 100 degrees in the rose house. Outside in the shade it registers 12 degrees of frost with a heavy wind as above stated. If I raise the ventilators the cold air strikes the roses badly; would it not subject them to mildew? What temperature would you recommend during the day; also night? Should roses be sprinkled every day? How often should the soil on the benches be watered?

I am thinking of planting a house of Beauty. Please advise me the best time to plant them. What distance would you set them apart? Do the benches require drainage? What depth of soil is required, and in preparing the soil for planting how much manure should be added? Please advise me as to their general treatment throughout the season after planted.

(61) **Carnations.**—I have two carnation houses; they look fairly well. Perhaps I keep them a little too dry. I water them once a week in fine weather, and during the Winter season every two weeks. What temperature do they require at night?—SUBSCRIBER.

—To have the cold wind coming in direct contact with the rose foliage will surely induce mildew and must be avoided if possible. The house in question must be air tight, or else the pipes are kept very hot, in order to have a temperature of 100 degrees when a strong, cold wind is blowing—even though the sun is shining. The only way out of the difficulty on such a day would be to let the pipes cool off and give the merest crack of air; the ventilators can be opened an inch or two without letting in much of the cold. The temperature for roses should be 58 degrees at night, with a raise of 10 or 12 degrees through the day time; though if it goes a few degrees higher in the middle of the day, should the sun be powerful, no ill effects will result. Roses should be syringed every day, providing they are growing right along and the weather is clear; in dull, cloudy weather syringing is not necessary, and if done regularly during such weather it would be more harmful than beneficial. Watering cannot be done methodically; the time to water is when the plants need it, and this can only be learned by experience.

Plant the American Beauty in May; have the boards of the bench bottom one inch apart. Place the roughest of the soil in the bottom and the drainage is then provided for. Plant in rows across the bed, 16 or 18 inches apart, with 20 inches between the rows. Five inches of soil will be sufficient and one-fifth of well-rotted manure should be used. Treat the Beauty similar to other rose plants; maintain a night temperature of 60 degrees; keep them tied up so that the flower stems will be straight. Syringe only on such days in which the foliage will become dry again before sundown, as having moisture on the leaves over night is bad for them in many ways.

—The carnations, like the roses, have to be watered when they are dry. Once a week would hardly be enough. When the soil is crumbly on the surface it is a fair indication that water is needed. A little patient observation along the line of watering will soon show one how and when it should be done. The temperature for carnations should be about 48 degrees at night, and 10 or 12 degrees higher through the day.



New Begonia, Caledonia, White Variety of B. Gloire de Lorraine.
Reproduced from a colored Plate, furnished by the introducer, John Forbes, Hawick, Scotland.

New Begonia Caledonia.

Our illustration is reproduced from a colored plate of this novelty, sent us by the introducer, John Forbes, nurseryman, Hawick, Scotland, who furnishes also the following particulars regarding the variety: On its introduction Begonia Gloire de Lorraine carried every one captive at first sight, and as it became better known has steadily increased in popularity, until now it forms for six or eight months of the year the leading feature in every well-appointed collection of Winter-flowering plants. "If only it were white," has been the one regret, and ever since the introduction of Gloire de Lorraine it has been the highest ambition and chief aim of every hybridist and vendor of new plants to produce a pure white form. Caledoula has decidedly achieved that distinction; it is simply a pure ivory-white Gloire de Lorraine, possessing every trait of that popular variety to the most minute degree. It has the same beautiful foliage, the same habit, the same height, the same marvellous floriferousness, the same persistency of petal, the same continuity of flowering, while it has proved itself of even more vigorous and robust growth. In the matter of culture it requires precisely the same treatment as Gloire de Lorraine. As a plain matter of fact Caledonia is simply a pure ivory-white variety of Gloire de Lorraine, which constitutes it not only a charmingly fit companion to that inestimable variety, but enhances its character and value as a decorative plant beyond comparison or description.

A Visit to Jamestown, N. Y.

The establishment of the Lakeview Rose Gardens has added additional interest to this busy town. A. N. Broadhead, the generous and energetic founder, saw that the building of a plant, such as is under construction, would be an added attraction to the charming lake region of Chautauqua, of which Jamestown is the head. While yet in its infancy, so to speak, as the plant is but one-half the size it is ultimately proposed to make it, Chas. H. Roney, the genial manager, has given an illustration of what can be accomplished in so short a space of time. Next year, at which time it is hoped the members of the craft will decide to hold the annual convention at this charming resort, a model establishment will be seen. I am inclined to the opinion that the less said at present about this plant will create a greater desire to see it for one's self, so I will not go into much detail. Several houses are ranged in fours, open at gutter, 33x240 feet; smilax house, 240x21 feet; packing room, 40x 23 feet; additional floor space, 66x33 feet; a double-deck vault below ground; roof houses for raising young stocks; a mammoth chimney stack—everything complete. A few notes made in passing through: Dewey may be a good rose for Summer but is not doing well here as a Winter sort. Golden Gate and Mme. Chatenay are thought well of, and will have a greater area another season. Maid of Honor is a failure. The eel worm has done damage in one bed, which was immediately cleaned out. Lilies will be placed in the space vacated—a grand lot, with very little trace of disease in them. Mr. Roney plants the bulbs, covers pots with ashes, bringing them in before the bulb has fairly started, but when pots are filled with roots. Mr. Palmer, of Buffalo, has a different method, and is highly successful, bringing in Harrisii from November 1 until after Easter. He grows 5 to 7's only, which size is reported to contain most disease, but he is not troubled with it to any extent. The bulb is potted and pots placed on boards, then excelsior put on top, which is kept damp. Mr. Palmer is one of the very few successful forcers of Harrisii in continuous crop.

Returning to Jamestown and carnations, all the newer kinds are being tried. Bradt is behaving splendidly; White Cloud is now at its best. Cerise Queen and Crane are largely grown. The propagating house presents a healthy appearance, some 50,000 each of roses and carnations being prepared to ship. Mr. Broadhead keeps four windows in different parts of the town filled with cut flowers and flowering plants, which must enhance the value of flowers to the thousands of Summer visitors. His principal store, which is in charge of Mr. Thrall, is a dream of beauty. W. M.

HINTS and HELPS.

South Side Ivies.—Ampelopsis Veitchii and A. Roylei differ from each other only in that the former is the smallest of the two in leaf and fruit. A. Roylei is, perhaps, the more rapid grower. They are both ideal vines for covering brick walls, not only for ornamental appearance, but what is of more importance, in warding off rain from the walls. It may be noticed that the foliage is imbricated; that is, the lowest leaves, the blades of which hang almost perpendicularly, are covered for nearly half of their length from the base by the ends of the leaves immediately above. Thus the water drips from one to the other instead of being absorbed by the bricks or stones. Another good reason why ivy should be planted much more freely is that it keeps the sun from the walls, making quite an appreciable difference in the temperature of the interior of the dwelling. Seeds of these vines which were sown in November should be looked to now and then with the watering pot and weeds removed, they will soon begin to show signs of vegetating.

The Abyssinian Banana.—Seedlings of this elegant foliage plant which have germinated in sand should be transferred to pots just as soon as they will stand the operation. If allowed to remain in the sand until the first two or three leaves are formed the roots get very thin and thread-like for want of proper nourishment. Last year's seedlings, which were kept over in small pots will, by this time, be in a somewhat dilapidated condition for want of food. The discolored leaves should be removed and the plants given a shift, using soil well enriched with decayed manure so as to have them in good shape by planting-out time.

Justicia Calytricha, or, as it is given in Nicholson, Schaueria calycotricha, is one of the old-time greenhouse plants which make a good display of bloom during the Winter months. It is not a free-growing plant by any means, but each shoot can be depended upon to give a large panicle of bright yellow flowers. As the plants will be done flowering shortly, they should be cut over, just beneath the flower, to promote growth, which, when developed, should be secured for cuttings, as young plants always make the finest specimens. The cuttings should be rooted singly in small pots so as not to disturb the roots in potting off. Mealy bug is the great enemy of this plant; but it can be syringed off the twigs and leaves as it makes its appearance.

Raising Carnations from Seed.—The apparently rapid development of the carnation from a comparatively small flower a few years ago to its present dimensions is due as much as anything to a greater knowledge of its cultural requirements. Varieties will run out, but I think there can be no doubt that if we had some of the old varieties in the same state of vigor as when introduced, and subjected to the methods of cultivation of to-day, there would be some surprises. There is no doubt that when the finest varieties of the present day are grown in the old-time greenhouses, with small panes of glass and three times the woodwork necessary, the resulting flowers are far from being first-class. Growers, especially those who do not go into the business extensively, should give some attention to the raising of new varieties. Take half-a-dozen kinds, representing so many colors, which are suited to the soil used; set apart a few flowers of each and pollinate them, using pollen from different individuals of the same variety, and the chances are if this practice were carried out extensively high-priced novelties would be less heard of.

Musa superba, one of the finest of the ornamental leaved bananas for subtropical planting, has been in a dormant condition for some months. Some of the soil should be removed from the roots, the plants repotted and put in the warmest house to develop some leaves before planting out. If put out in a dormant state the Summer is well advanced before much of a display is made.

Chrysanthemum cuttings for specimen plants, that is, the exhibition specimens, will be rooted and potted off some time ago; but there is time enough yet for cuttings to provide plants which are to make their growth in the open ground and to be lifted and potted in the Fall. Wonderfully good plants are produced in this way, and if proper care is taken of them after they are potted they will not lose a leaf. Late flowering sorts grown to single stems on benches—and these are usually greatly in demand—are made later still by delaying the period of taking the cuttings. Some taken off and rooted during the first half of last August were the best paying of the entire crop.



Seedling Carnation No. 16, grown by C. Merkel & Son, Mentor, O.
[See page 129, Feb. 10, issue.]



Carnation Dellhurst, grown by C. Merkel & Son, Mentor, O.
[See page 129, issue of Feb, 10, 1900.]

Labels for Flowering Shrubs.—A cheap label for this purpose will, at the most, last for only one or two years. Hand-painted zinc labels look well, but they cost too much and one can never tell just how long they withstand the assaults of the weather. A hanging wooden tag, say three inches long, an inch and a half wide and one quarter of an inch thick, will be about the proper dimensions. For hanging, punch two holes half an inch apart at one side, through which the two ends of a piece of copper wire is put from the front; twist this at the back, leaving enough wire to fasten to the bush. The wood should get a coat of paint, and the pencil work done while the paint is wet, as it is then not so easily removed when dry.

Grafting Aralias.—The finer growing kinds of stove and greenhouse aralias, such as A. Veitchii and A. gracillima, may be grafted before starting into robust growth. The long canes of plants which were worked last season are the best for the purpose, as the leaves are usually a sufficient distance from each other to allow of taking a piece of stem of necessary length to tie on to the stock after being properly prepared. The stocks should be young plants of Aralia Guilfoylei; either the green or the variegated form will answer. Cut the plants down to as near the surface of the soil as possible, so as to hide the place where the union occurs in future shiftings. The cion may be shaped at the base like a wedge and pushed into a suitable cut made across the top of the stock and bound moderately firm with raffia; or, side grafting may be the method employed. Put in a close propagating frame until the union has taken place. There is no necessity for grafting the so-called Aralia Chabrieri, as it roots freely and forms well-developed specimens from cuttings. The lateral shoots will make heads or leaders without any disfiguration.

Lachenalias.—If these plants were as famous in song and story as the primrose and daffodil we would see many more of them in flower at this season of the year; but they are comparatively unknown, and they well deserve to be popular. I know of no other bulbous plant so easily grown, not only easily grown from the bulbs but easy to increase. L. tricolor, L. t. lutea and L. Nelsonii are among the best. We have now some plants in 6-inch pots and none of them has less than 20 racemes of flowers to each pot. The racemes are about 10 inches high, the flowers pendulous; color green yellow, and red. After the plants go to rest the bulbs should be sized and repotted, and placed under a bench until ready to start growth. G. W. O.

Canna Italia

Editor Florists' Exchange.

Noting the articles about the Italian race of cannas, in your issues of February 17 and March 3, I would like to state my experience with this interesting section of the canna family. I have grown all of the named Italian kinds from the time of their introduction. As I was hybridizing cannas at this time I naturally attempted to produce seed on these new giants, but I soon found that they were sterile; although the seed pods were large they would only contain the ovules where the seed should be. Once only had I anything resembling mature seeds (on Borussia), but they were not perfect and did not germinate.

I would like to ask the Messrs. Betscher Bros. if they planted the seeds produced on Italia and Burbank; if they germinated, what the resulting plants were like.

G. W. O. evidently has not experimented with this race of cannas, or he would know whether they are fertile or not.

H. O.

How Stories Grow.

In writing a carnation article for the illustrated Buffalo Express, apropos carnationists' convention, referring to the Lawson carnation boom, I stated that it was expected that before the season closed the sales of young plants and rooted cuttings would reach 500,000. Typo prefixed the dollar sign and made the story exaggerated and sensational.

An editor poet addressed some verses in his paper to his fair inamorata, one line of which read, "He kissed her sub rosa," but was horrified to see it printed that "He kissed her saub nosa."

GROVE P. RAWSON.



Insertion will be given in this column to all communications free from animus, but the opinions expressed do not necessarily reflect our own.

Cut Flower Prices.

Editor Florists' Exchange.

No doubt the subscribers to the FLORISTS' EXCHANGE, after reading the article, page 218, of March 3 issue, under the above title, may imagine I have a grievance against the commission man and the correspondents of the trade journals. I will say with respect to this, that we handle our own product of roses, and being under no obligations whatever to the trade journals, I felt that, as an advertiser occasionally, I had the privilege of entering into a discussion in regard to rose prices—a subject on which I claim to be as well posted as the FLORISTS' EXCHANGE, here in our market, as I have been in touch with the market daily for the past eight years. So, as your paper was launched in 1888, you are only four years my senior. But a newspaper man might gain much knowledge in that time in his line.

Any suspicion I, or any other reader of your paper, may have of the dishonesty of the commission man, was brought about by the claim of several writers in your columns, who were protecting your correspondent and saying that the high prices should not be quoted (and on the dates mentioned your paper did not quote them, either), because parties who did not grow fancy stock would expect to get these prices. One correspondent even went so far as to say that the party getting the high price (to quote your correspondent's own words) "should shake hands with himself and keep mum." Is that deception or not? This I will leave for your readers to decide.

I deny that the average prices for roses to-day are higher than they were a decade ago. Will anybody who knows anything about the trade deny that the grade of roses is far superior to-day than it was, say eight years ago? and while the few extras may bring a higher price, will the cut of any rose-grower average the same per bud as it did five years ago? I think not, but would like the opinion of the veteran rose-growers on this subject.

It is true, that the trade papers should not make prices; but when we read the three trade journals and find a discrepancy of 25 to 33 per cent. in the same week, we, the readers, have a right to form our opinion as to who made the prices. I still claim, without any fear of contradiction, that prices quoted lower than they existed for the period stated is an injury to the grower and is misleading—and somebody is responsible for it.

FRANK P. MYERS.

[Our opinion of our correspondent's "well postedness" on the operations of the cut flower market was based on his familiarity with these as displayed in his communication. Our previous gauge of his knowledge in this particular, or lack of it, obtains so far as we are concerned. However, an explanation of Mr. Myers' position is afforded by his statement, that he handles his own rose product.

We still maintain that sales of limited quantities of stock at extraordinary prices do not constitute regular market values. Any grower receiving higher figures than those quoted should certainly congratulate himself; and as he is the actual recipient of the increased values there is no dishonesty or deception in the matter.

We were not discussing grades, but prices. The higher grade as a factor in determining increased values now is nullified by the disproportionate increment in the demand as compared with the supply. Despite that, the records in the trade papers show that average prices are higher now than they were a decade ago.

We are only responsible for one trade paper—and we do not make the prices, but record them, faithfully, honestly, and after much careful investigation.

Our correspondent's unsubstantiated allegation of injury resulting to growers through prices being quoted lower than some figures obtained, is hardly worth considering. Injury might result, providing every grower sent to market the grade of stock bringing the higher price; but as that is not the case, and as growers *do get* the extra values when entitled to them, as was proved by Mr. Thorne's letter, the grower does not suffer in the least.—ED.]

Hardiness of Victoria Regia.

Editor Florists' Exchange.

In a report from the Horticultural Society of Natural History (Dr. L. Herault, France), just to hand, it is stated that so far the attempts to cultivate Victoria regia in the open air outside of the basin of the Amazon River have completely failed. Furthermore, the author states that "no plant can be acclimated, except there, where are found, as near as possible, the conditions of climate and soil adapted to the plant in its own country of origin." This is the verdict of scientific professors of botany and horticulture, and, I may add, of the majority of horticulturists in the United States. In fact, no person has ever proved anything to the contrary.

Mr. Oliver is entitled to his funny notions, and his originality in picking and finding flaws, but he has not proved that V. Trickeri is a species, or a variety. If he has proved anything, it is that he knows nothing whatever about V. Trickeri, and he is furthermore in error when he surmises that it had its origin in some garden, and that recognition of it as a species was desired from Kew.

Mr. Oliver would make the readers of the EXCHANGE think, even believe, that I had robbed some person of the honor and credit that I assumed, but was not entitled to. Be that as it may, I am free to say that the foreign house which sent out the seed substituted something else and knew of the occurrence. I also knew that I was growing another Victoria, which was neither regia nor Randi, and I would ask the readers of the FLORISTS' EXCHANGE which was the most honorable (or criminal)—to distribute a plant that I knew was under a false name as such, or allow the same to be called Tricker's variety? The facts are fully known to the foreign house before alluded to, and I trust Mr. Oliver will set his mind at rest that the firm will get justice. But for the present, this veil of mystery that he cannot see through will continue down. As to this Victoria being called Trickeri, if I have robbed any person of any just claim that person is at liberty to enter a protest. With regard to the fact that a plant so named implied that I *discovered* or raised the same, I think I have a fair claim, but I am ready to waive that if Mr. Oliver is ready to correct the many plant names of a similar character, of which all growers are cognizant, and which are so frequently met with. And, by the way, there are other aquatic names that Mr. Oliver may find objects of his censure. I would ask him why the plant or Nymphæa is named *N. Robinsoni*, and is recognized by learned men—professors, editors, F. R. H. S., etc.—when such plant is known to have been raised by Mons. B. Latour-Marliac in France? I may go further. I know an instance where another plant was so named, and the act not only was approved, but the plant was actually named at the instigation of Mr Oliver himself. W. TRICKER.

More Light on Carnation Culture.

Editor Florists' Exchange.

Referring to S. S. Bain's letter in your issue of February 17, in which he asks for more details in the articles on carnation growing contributed by different writers to your valuable paper, while the new and different methods of culture brought out by our Yankee cousins can be, and are applied here to advantage, the question of soil is one that, in a great measure, we have to determine for ourselves. In this connection I have found the information dispensed by the members of the Montreal Gardeners and Florists' Club, by papers and discussions at its meetings, to be most valuable. All the latest varieties of carnations are grown here in different soils, both on benches and in solid beds, and the results, as given, of the various treatments of several varieties under our own climatic conditions, should be more valuable to Mr. Bain than results of tests in the States, for Mr. Ward is right when he says that growers must test the different varieties to ascertain which will succeed the best in their locality.

I have not yet had the pleasure of meeting or seeing Mr. Bain at our meetings, and I do not write this to hit at him in this respect, but to show how valuable our meetings are becoming for cultural ideas, and to say that there are not enough florists of Mr. Bain's standing and experience in the club, or in Montreal, so that one name may be left off the list of members without mutual loss.

Montreal. W. C. H.

The Ideal Carnation.

Editor Florists' Exchange.

What constitutes the ideal carnation? And by what standard should it be judged? Taking the last question first, it seems to the writer that the scale of points as established by the American Carnation Society for the guidance of the judges of new varieties at the society's exhibitions, comes as near as possible to giving a means whereby one can arrive at a standard by which to measure the claims of aspirants to the right to be called "perfect" carnations.

The use of the scale brings the duties of the judges to this, viz., the intelligent and honest answering of a certain number of stated questions, as follows:



Root Galls on Violet Plant.

What is your opinion of the color of a given carnation flower? of its size; its calyx; its stem, substance and fragrance? And right here, in the intelligence and honesty of the response, lies all the difficulty.

Color: Certainly there is great room for honest difference of opinion as to the desirability of almost any given shade. If in an exhibition a shade of scarlet could be found, so bright, so glowing, that no desire to add to or take from it a single shade could be felt, such might be called perfect, and might score the full number of points. This color should probably allow of less difference of opinion than any other.

In crimson, Governor Roosevelt comes nearest the ideal shade for that color, at least, in my opinion.

In white, it seems there can be but one standard, namely, the purest possible.

To arrive at a correct conclusion as to the merits of the various shades of pink is more difficult. There seems to be places for three shades—a cerise pink, a light pink of about the Daybreak quality, and a third one about intermediate between these two. It seems to me that in passing upon the merits of the various shades and colors the question of popularity as to selling qualities should be taken into consideration.

As to size, it appears evident that the largest known variety should score the full number of points until some other is found that exceeds it.

Calyx should be firm enough and extend far enough out around the base of the lower petals to hold them out in a horizontal position without splitting. No carnation with a rubber band about it, or that shows sufficient evidence of ever having had one, can be called ideal.

The stems should be long enough so that in a vase of four or five dozen each flower will stand out firmly and independent of its neighbor.

Substance of the flower should be sufficient so that the color will appear solid and the petals not transparent or flabby.

Form should be full and rounding in the center, outer petals regular; but a little irregularity in the arrangement of the inner petals would not be objectionable.

Fragrance has always been an important consideration, but has not usually been much in evidence in the exhibition flower, to the best of my knowledge. It appears to be difficult to maintain for any length of time after maturity and separation from the plant. For this quality I do not recall more than one or two sorts that scored the full number of points. The average would probably be nearer two or three.

It will be seen that the keeping qualities and the profitableness of a variety are not provided for. These can never be satisfactorily settled by judges of exhibitions.

It seems to me that under an intelligent and proper use of the scale it can never be possible for any one variety to score 100 in an exhibition, including other meritorious sorts meritoriously grown.

Perhaps it might be a good idea, before intrusting the use of the scale to judges, to first subject these judges to the operation of another scale, whereby those who fell below a certain percentage in ability and experience might be dropped. But even that could not be relied on to eliminate the seedling man with a grievance.

ADAM GRAHAM.

What Constitutes a Species.

Editor Florists' Exchange.

E. H. has my sympathy when he says Dr. Gray's Introduction to the Study of Botany is of no use to him in naming a plant. If he refuses to digest those lessons, or if he cannot digest them, he will never be able to identify a species through a published description, much less publish a new one. G. W. O.

Violet Root Galls.

In reply to the query concerning the tubercles upon roots it is written that one of the most serious pests of the violet is the eel worm, or nematode. These microscopic worms multiply in the substance of the violet roots, and cause enlargements called galls, that may be very numerous and sometimes of considerable size.

The engraving is from a photograph of a diseased violet plant. The nematodes seem to poison the tissue, and induce an abnormal growth similar to that which takes place upon many sorts of leaves when stung by gall flies and other insects. Many plants have their roots affected in this way, and the same species of nematode that was dead, and from all appearances fell a victim to the nematodes. The foliage was all gone, while the roots were badly knotted and distorted from the presence of multitudes of the galls of the eel worms.

These worms enter the tender roots from the soil, and there increase rapidly. Their presence probably inhabits scores of kinds of plants.

So far as known, the gall trouble of the roses is the same as that of the violet, and if this be true it follows that the infection may pass from one kind of plant to another. It would not be well to grow violets in soil where roses had been galled, or vice versa. Violets could probably be grown profitably with no manure. With the soil free from the worms, and the plants also, there ought to be no trouble in having violets exempt from the nematodes. In setting out plants it is well to look at the roots and reject all with galls. Underground troubles are the least readily investigated, but none the less fatal. If the plant looks pale, and there is a drying of the edges of the leaf, it is always well to look for mischief at the roots. All that has been said upon the treatment of soil for nematodes in roses, in previous numbers of the FLORISTS' EXCHANGE, applies with full force for the violets.

[PROF.] BYRON D. HALSTED.

Experiment Station, New Brunswick, N. J.

The Montreal florists are waging war just now against the practice of the public parks of that city loaning plants and flowers for decorative purposes to private parties.

Chicago.

March Weather.

March is coming in truly like a lion, with storms of snow and rain, but as yet with slight frosts. Prices are a trifle more erratic—nothing to complain of—and, generally speaking, business continues very good for the season. The prices for lower grades of stock are below former figures, although the sacrifice mornings sometimes calls for a raise in values on what is left later. Violets and inferior grades of bulbous stock are hard to move, although a good deal of the latter goes for cheap funeral work. Shorts and culls in tea roses have touched as low as $2 to $3; firsts, $4 to $6; extras, $8, with a small proportion still at $10—which is certainly a good value for this market the beginning of Lent. American Beauty of the higher grades still keep up well—$5 to $6 per dozen; but shorts and culls, plentiful enough, go as low as $2 and $3. Lots of violets are sold at $3 to $4 per 1,000; best singles, 50c. per 100; doubles, $1. Carnation stock is fairly plentiful, but not especially so, as most of these flowers get cleared off.

Club Meeting.

The regular club meeting on March 2 was fairly well attended and considerable interest manifested. The following new members were elected: Peter Reinberg, Wilson Toplady, O. P. Bassett and Otto Benthey. Changes in by-laws were agreed on and new copies ordered printed and mailed to members.

A motion was made by W. N. Rudd that the club extend an invitation to the S. A. F. to meet in this city in 1901. In the discussion that followed G. L. Grant spoke for Buffalo; but the opinion was unfavorable to meeting in any city where a general exposition was being held, and the final vote supported the resolution. The question then came up relative to the club's visit to New York in August, when, after some discussion, a committee on transportation, consisting of G. L. Grant, W. N. Rudd and Walter Kreitling, was appointed to start the ball a-rolling.

The subject for the next meeting is "Bulbs," and several short papers are expected. C. J. Strombnck, of Lincoln Park, is in hopes of having samples of the Washington State grown hyacinths on exhibition. He remarked that the plants are very promising, and will be a surprise, he has no doubt, to many. It is also expected the Klehm Bros. will have on exhibition their home-grown lily of the valley that this year is showing up in fine shape and selling in the markets each day equal to the imported stock.

Snow, and Iron Gutters.

One of the heaviest snowstorms in this locality in 16 years, fell in 24 hours the past week. It was a good test for the Garland iron gutter, which did its work perfectly. As soon as snow begins to fall thawing sets in until there is a good stream of water flowing steadily. Mr. Stromback, of Lincoln Park, has his new plant houses all fitted with iron gutters, of the old Garland pattern. We saw the snow piled up the morning after the storm, but fast disappearing by a regular stream of water below. Mr. Stromback told the writer the second day after, that the snow had all gone off naturally, and no trouble whatever was experienced. The new rounded gutter, however, is a decided improvement on the old form, for convenience in walking therein.

Fire at Brant & Noe's.

On Wednesday, February 28, at 8:30 a. m., during the bad snow storm, one of the men at Brant & Noe's, Forest Glen, discovered fire in the extreme rear of the boiler and coal shed. Before help could be obtained the fire had made considerable headway and soon reduced the shed to ashes, carrying the ends of three of the greenhouses with it. The fire was quickly controlled, the wind, fortunately, being away from the houses. Through the burning of the stack the hot-water system was rendered useless for about four hours and recourse had to steam, both being in service. In less than three hours the ends of the houses were boarded up and lined with building paper, an improvised smoke stack installed, and the hot-water boiler made available again, as soon as needed in the afternoon. The cause of the fire is a mystery. The loss is covered by insurance, except on the plants, and these were not damaged to any great extent.

Jottings Around Town.

George Reinberg planted 1,500 one-year-old Kaiserin roses March 2. They had been taken from their Winter quarters six weeks ago, potted up and given heat. They are in the finest possible condition, and will give cuts in a month. These will be followed by other plantings in a couple of weeks, as room for them materializes.

Poehlman Bros. have Narcissus poeticus in. Stollery is cutting excellent tulips. Southern single narcissi are also arriving.

McKellar & Winterson are selling at the rate of a quarter of a million hardy ferns a week.

Spring bulbs are arriving in car-load lots, some Japan lilies being badly rotted.

The Dutch bulb men from the other side are here again on time.

W. E. Lynch is moving to 64 Wabash avenue, and George Piepgrass has secured room at Amling's.

J. B. Demaud is receiving some fine Harrisii and tulips from Stollery Bros.

J. V. Merrion, at Union Stock Yards, is now offering dried and pulverized sheep manure to the trade.

J. C. Vaughan and wife returned to the city Monday morning. Ess.

St. Louis.

Market Conditions.

The past week stock has come in much more plentifully, the increase being 30 to 50 per cent., and that, too, under most unfavorable weather conditions, St. Louis having been in the center of the recent storm that swept over the country. Roses have improved both in quality and quantity; some very fine stock is now to be seen, with white very scarce. Carnations are good, and none too many to supply the market. Violets are quite plentiful, at 40c. per 100. Some very fine white and Klehm's Novelty tulips were seen, which sell pretty well at 3c. to 4c. Quite a few Beauty are also obtainable.

Wholesale men report good, clean sales in spite of bad weather and Lent. The weather for a few days here was something fearful—telephones out of order, wires down, and people warned to stay indors, all of which was not calculated to help business. Snow and sleet were mostly responsible for this state of affairs, the ice being so heavy as to do great damage to shade trees. F. W. Pape, superintendent of the public parks, is reported through a newspaper item to have estimated the damage to the parks at $20,000, though we can hardly see how this can be correct, the damage, so far as we have observed, being confined to loss of limbs. Certain it is, however, the weather is interfering with greenhouse work, as no hot-bedding can be done, and many complain of the crowded condition of their houses in consequence.

Greenhouse stock is generally reported in good shape; Harrisii are rather too forward, while longiflorum have to be hustled a little to be in for Easter.

Notes.

Henry Emmons, the Belleville carnation grower, has had great success with White Cloud, and is looking for a red and pink that will equal it as a producer and all-round good carnation.

A visit to the C. Young & Sons Co. revealed things in a little better than their usual good shape. Their roses are in the pink of condition. Here we saw grafted and own root Bridesmaid, side by side, and if there was any difference it was imperceptible to the writer. They still grow Lizzie McGowan carnation in quantity, as a good and heavy-producing white; it certainly looked fine here. They also have several newer ones, but, so far, do not seem to want to tie to them yet. A batch of extra well grown cinerarias was noticed now in full bloom. The fine lot of Crimson Rambler will be just right for Easter. This firm does not expect to grow Harrisii in lilies again, having lost literally all they planted. Their longiflorum are in fine shape, but a trifle backward. The thousands of pot roses of all sizes were all in good condition. They have quite an extensive stock of orchids that have paid well. Altogether, the place reflects great credit on its manager, Harry Young, when it is considered that everything, from pansies to palms, is grown here—a much more trying situation than a range of rose or carnation houses to keep right. C. C. S.

Louisville, Ky.

Since my last report we have had some miserable weather—either the temperature was around the zero mark, with heavy winds, or it was snowing or raining. Lack of sunshine has caused the supply of roses and carnations to shorten. Bulbons stock is coming better and in greater variety every week. Violets have been surprisingly good and plentiful.

In plants, besides the usual run of bulbous stock, azaleas, rhododendrons and lilacs are shown and disposed of very nicely, but only at medium prices. Owing to an unusual run of funeral work, well distributed among all of the retailers, there has as yet been no complaint of Lenten dullness.

Retail Prices of Cut Flowers.

Roses, other than Beauty, $1 to $2; Beauty, $3 to $6; carnations, 50c. to $1 per dozen; violets, $1 to $1.50 per 100; lily of the valley, 50c. to $1; jonquils, 50c. to 75c.; narcissus and Romans, 50c.; Harrisii, $2 to $3 per dozen.

The first of the Holland drummers that I have seen this Spring was here this week—G. Kronchell, representing Warnaar & Co. J. S.

Boston.

Trade Notes.

Business has held up fairly well the first week in Lent, and the quantity of stock has shortened somewhat. Roses are in pretty good supply, but good ones are not over-plentiful and do well. Beauty of best quality range in price from $35 to $50 per 100. Bride and Bridesmaid are now in sufficient supply to meet the demand. The good grades clean up well daily at $16 a 100, a few extras making $20. Meteor are in fair supply but the demand is rather light. Jacqs. are still scarce, and maintain the prices formerly quoted. Elijah Cartwright has been cutting a few Ulrich Brunner; very good for so early, and which have sold well at $3 and $4 a dozen.

Carnations are again becoming more plentiful, but still the fine grades are not too much so, especially fine white ones. Good Scott now average $1.50 a 100, best stock making $2, while the other colors easily fetch $2, some going to $2.50 for better grades. White and Daybreak, of good quality, average $2.50, extras making $3, fancies holding at $4.

Bulbous stock is in ever-increasing supply, with a proportionate decrease in value.

Longiflorum lilies are still scarce, and sell very well at $2 a dozen if good. Callas are in fair supply and make $8 to $10 a 100. Valley is plentiful at from $2 to $3; extra grade going at $4. Violets, too, are very plentiful, at 40c. to 60c. per 100, extras making 75c.

F. J. N.

Pittsburg.

Lent Does Not Affect Market.

During the Lenten season a little dullness in trade is always expected, but up to the present time trade has remained fairly good. Although there is an abundance of stock it is used up pretty well. Carnations are at their best and very plentiful; at prices from 35c. per dozen up they are cheaper and sell more readily at retail than other stock. Roses hold up a little better in price. Violets are in good demand. Bulb stock moves slow.

A good many blooming and decorative plants are in the market, but the weather is yet unfavorable for the sale of them.

Jottings.

At the meeting of the Botanical Society of western Pennsylvania this week an interesting subject is up for discussion—"Japan and Its Flora;" but as the Florists' Club meets on the same date many will not be able to attend.

C. S. Van Waveren, representing Segers Bros., bulb growers, Lisse, Holland, is in town. E. C. REINEMAN.

Toronto.

Market News.

Business is still fairly good, with plenty of stock. Bulbous flowers are very much in over-supply, and the prices at which some of these are retailed make many wonder what the bulb man will get for his share. When good daffodils sell at from $1 to $2 per 100 somebody must be the loser. Roses are coming in fine now—splendid blooms on good stems; the longer days and the flowers not being cut so close make quite a difference in the appearance of the stock. Carnations keep improving also, and from the look of the local stock we will have a fine show of these flowers in St. George's Hall, Thursday.

We had, last week, a full share of the general snow storm which started on Sunday and kept up the greater part of the week. Some of the boys thought seriously of digging out their houses; several old houses had to be propped up, and on many of them the snow still lays and will likely do so until we get warmer days.

Walter Mott, of Philadelphia, and Mr. Palmer, Jr., of Buffalo, were in the city last week. THOMAS MANTON.

Buffalo.

Distinctive and Demonstrative Weather.

A spell of weather both distinctive and demonstrative has been experienced during the past week. It included snow to the depth of several feet on the level, with some wind and sleet as variations. Altogether, it is being summed up locally as one of the worst storms in memory. With conditions unfavorable for shopping it naturally made retail business slow. Some funeral work has, however, helped materially.

This dark weather inclined to reduce supplies of flowers somewhat, hence the lots coming in were generally disposed of. Harrisii lilies are noticed a bit plentiful at Kasting's just now.

In the interest of supplying trees to the Pan-American Exposition Albert Wadley, of New York, was a visitor on Tuesday. C. D. Zimmerman did the honors of entertainment in a sleigh ride over the snow banks to the new South Park Conservatory. We are pleased to learn that the general appearance and character of this new local feature of our park system was given emphatic praise by Mr. Wadley.

At Wm. Scott's Cold Spring greenhouses a good variety of Easter stock is now in sight. It includes some things out of the ordinary that must call forth pleasing comment later. A bench of mignonette is conspicuous for good quality, hence good looks.

Palmers carry off the local honors to date on their showing of daffodils.

R. L. Greenlaw, of Boston, called on Saturday last. VIDI.

Why My — Fine or Coarse
Tobacco Dust
"The Black Stuff" 2 cts per pound 50 to 1000 pounds
The Best for florists
Its my specialty, I have made the wants in this line by the growers a study and know the grade that kills; if it fails your money back
H. E. Stockhoff 116 West St. N.Y.C.

Tobacco Whale Oil Soap "Aphia" Braid Try it for Scale "Red Spider" "Green Fly" Mealybug Its Good Gentlemen keep it so do we H. E. Stockhoff 116 West St. N.Y.C.

Ottawa.

A Snow Storm.

During the past two weeks we have had our full share of Winter weather, one night especially fully testing all heating apparatus, the thermometer registering 23 below zero and the wind averaging 30 miles an hour; then following the cold snap the greatest snow fall that I have ever seen. But no greenhouse casualties are reported. Stock is looking good. Carnations are somewhat off crop; violets are more than plentiful, and roses of very good quality. Plant stock for Easter is very promising; good lilies and azaleas will be plentiful.

Business has been very good in spite of the great military excitement that has pervaded the city for the last two or three months, and which is now at its height with the Strathcona Horse quartered here.

Jottings.

On February 14 C. Scrim boomed up the violet trade by advertising violet valentines at bargain prices. He sold some 6,000, and this seems to have created an increased demand ever since. Mr. Scrim is preparing to visit Toronto this week for the carnation show, and we hope on his return he will be able to tell us of some of the wonders that were exhibited at Buffalo, and which I expect will be duplicated at Toronto.

Speaking of carnations, I would like to say a word for Glacier. Our plants, while suffering somewhat from stem rot (which I hope is due more to conditions of culture than constitution), have produced some grand flowers, in my estimation, even better than our White Cloud; and as Glacier seems prolific and quick to mature, if it can be grown healthy, it must become a favorite.

The Horticultural Society has issued its premium list for the season, with liberal prizes; but it has done away with the chrysanthemum show, as last year's was a failure.

The Canadian Trade Journal has arrived, and promises to be a success, which the business-like tone and appearance of the first issue warrant. E.

CANNAS C. Henderson and Austria, 1c.
Agerratum, Princess Pauline, rooted cuttings, ½c.
Agerratum Plants, 1c.
Verbenas, rooted, ½c., fine stock.
W. B. WOODRUFF, Florist, Westfield, N. J.
Mention the Florists' Exchange when writing.

YELLOW COLEUS (Good variety). 2 inch, $1.50 per 100.
PETUNIAS, DOUBLE FRINGED 2 inch, $2.00 per 100.
E. I. RAWLINGS, - Quakertown, Pa.
Mention the Florists' Exchange when writing.

CANNAS—Crozy, Bouvier, F. Vaughan, Italia, Austria, $7.00 per 100. **VIOLETS**—La France, Parma, Luxome, fine plants, 75 cts. per 100.
Violet Blooms, 60 cts. per 100. Address
Mrs. B. W. STARKE . . . Troy, Ala.
Mention the Florists' Exchange when writing.

GERANIUMS OUR FOUR NEW SINGLE BEDDERS
Frances Horn. Petals deep carmine lake, center marbled white.
A. V. Gerbig. Bright apricot salmon, shading much deeper towards center; distinct white eye.
Cresco. Color a little lighter than the above, larger florets, 2 to 2½ inches in diameter.
Grandma Miller. Enormous truss, bright scarlet, with distinct crimson veins.
Strong plants, from 2½ in. pots, 25 cents. The 4 for 90 cents; $2.50 per doz.
C. H. GERBIG, - Archbald, Pa.
Mention the Florists' Exchange when writing.

10,000 FUCHIAS—Rooted cuttings; 20 best single and double varieties, $1.25 per 100, postpaid; $10.00 per 1000, by express.
CLEMATIS PANICULATA—Transplanted seedlings, ready for 2½ inch pots; $2.00 per 100, postpaid.
8 VARIETIES HARDY PINKS—Rooted cuttings; $1.00 per 100, postpaid; $8.00 per 1000, by express.
10,000 MADEIRA VINE ROOTS—Plump tubers; 50 cts. per 100; $4.00 per 1000.
Satisfaction Guaranteed.
A. B. DAVIS & SON, Purcellville, Va.
Mention the Florists' Exchange when writing.

FUNKIA LANCIFOLIA GREENLEAFED.
A fine hardy bordering plant. The spikes of Lavender-blue flowers are nice for funeral work, $2.00 per 100; $15.00 per 1000.
EULALIA striated, $2.00 per 100.
PANSIES. $4.00, $10.00 and $12.00 per 1000.
HELIANTHUS MULTIFLORUS PLENUS, $2.00 per 100 strong pieces.
Will exchange for carnations or other stock needed. **W. C. JENNISON, Natick, Mass.**
Mention the Florists' Exchange when writing.

SMILAX.
From flats, by mail, 50 cts. per 100; $1.00 per 1000. From 2 in. pots, $1.50 per 100; $13.00 per 1000.
CANNA, large-flowering, mixed, $1.00 per 100.
FRED BOERNER, Cape May City, N. J.
Mention the Florists' Exchange when writing.

CLEMATIS.
Coccines and Crispa, **$30.00 to $45.00 per 1000**

BULBS.
Zephyranthes Sulphurea (big yellow flower) $6 a 1000. Milla. Bessers and others. Cacti and Cacti Seed.
Send for prices. **WILLIAM TELL, Austin, Texas.**
Mention the Florists' Exchange when writing.

GERANIUMS
Alphonse Riccard, Poitevina, Pres. Dubois, Poitrait, J. D. Cabos, Mme. Jaulin, E. G. Hill, L. Fages Chaplin, La Favorite, Nutt, Raspail Imp., John Doyle, etc., 2½ in., $3.00 per 100; $25.00 per 1000.
Stocks, German, Ten-Weeks, white or mixed, 2¼ in., $1.50 per 100. **Cannas,** Mme. Crozy, Charlotte, Paul Marquant, A. Bouvier, Burbank, $1.50 per 100. **Pansy,** Parisian, Bugnot, $3.00 per 1000. **Hellis Perennis,** fl. pl., Myosotis Victoria, $4.00 per 1000.
Shellroad Greenhouse Co., Grange P. O., Balto., Md.
Mention the Florists' Exchange when writing.

ROOTED CUTTINGS
Carnations, Scott, McGowan, Daybreak, Alberoni. Armazindy, John's Scarlet, $1.25 a 100; $10 a 1000
Fuchsias, Heliotrope, Lemon Verbena, Coleus, Double Alyssum, Vinca Variegata and **English Ivy,** $1.00 per 100. **Strong, Bushy, English Ivies,** 4 feet high, $15.00 per 100. Strong stock plants of **Germanium Mars,** $2.50 per doz. Strong stock, one-year-old plants of **Double** and **Single Grant,** and other good vars. of Geraniums, $15.00 per 100.
JOHN RECK, Bridgeport, Conn.
Mention the Florists' Exchange when writing.

300,000 VERBENAS
60 finest named varieties, including our new
MAMMOTH WHITE MRS. McKINLEY.
The finest white Verbena grown.
Perfectly healthy. Free from rust.
Rooted cuttings, 60 cts. per 100; $5.00 per 1000.
Plants, $2.50 per 100; $20.00 per 1000.
Our list is the choice from millions of seedlings
Send for Circular.
J. L. DILLON, Bloomsburg, Pa.
Mention the Florists' Exchange when writing.

HEALTHY STOCK. No Better on the Market.
Carnations, McGowan, Scott, Portia XX, 75c. per 100, $6.00 per 1000; express prepaid on 1000 lots. Flora Hill, Jubilee, Meteor, Rose Queen, $1.25 per 100.
Violets Farquhar, large double, strong, $1 per 100.
Cannas, best varieties, $1.50 per 100; $10.00 per 1000.
Agerratum, Princess Pauline, 50c. per 100.
Red Alternanthera, 50c. per 100.
Cyclamen gignnteum, 2½ in., $2.50 per 100.
Primula Obconica, in bloom, $2.50 per 100.
Cinerarias, ex. strong, 4-in. $1.00 per doz; $6.00 per 100
RICHARD INSALL, West Moorestown, N. J. Lock Box 514.
Mention the Florists' Exchange when writing.

COLEUS. Red and yellow, $6.00 bright fancy, $5.00 per 1000. **New Coleus,** large leaved, gorgeous colors, and **Coronn,** best edging, scarlet, wide gold border, $1.00 per 100.
Following all transplanted, prices are per 100.
Begonia Vernon and **Erfordii,** $1.50. **Petunia** S. Fringed, $1.20. **Dbl.,** only select best, $1.75. **Verbenn,** mixed, brightest colors, 60c. **Bugnot Pansy,** part in bloom, and **Sage,** 85c. **Germaniums,** bedding varieties, rooted cuttings only. Terms cash. Get trade list and details.
DANIEL K. HERR, Lancaster, Pa.
Mention the Florists' Exchange when writing.

Fine Stocky Plants

	Per 100
ALTERNANTHERAS, yellow, $1.75; red,	$2 00
OXALIS FLORIBUNDA, fine for baskets.	2 00
COLEUS, mixed vars., 2 in. pots	2 00
GERANIUMS, my selection, 2 and 2½ in. pots	3 00
" " 3 in pots	4 00
CENTAUREA GYMNOCARPA, 2 in. pots	2 00
DOUBLE PETUNIAS, 2½ in. pots	3 00
CARNATIONS, 5 vars., 2 in pots	3 00
VERBENAS, good vars, 2 in. pots	2 00
PANSY PLANTS, in bud, from cold frame,	1 50

CASH, PLEASE.
JOS. H. CUNNINGHAM, Delaware, Ohio.
Mention the Florists' Exchange when writing.

DOUBLE PETUNIAS.
OVER 75 VARIETIES, NAMED.
I have the finest and largest collection in the country, an immense stock, and can fill all orders without delay.

Rooted Cuttings, by mail	$1.25 per 100.	
Heliotrope, 16 vars.	1.50	"
Agerratum, Princess Pauline	1.00	"
Agerratum, White and Blue	.75	"
Abutilon, 4 vars., R. C.	1.50	"
Fuchsias, 12 vars.	1.25	"
Flowering Begonias, 12 vars.	1.50	"

Moon Vines Smith's Hybrid Seedlings, which are the best varieties, transplanted, $2 00 per 100.
Salvia, Splendens and Bedman, seedlings, 50 cents per 100.
Cash with order, please.
GEORGE J. HUGHES, BERLIN, N. J.
Mention the Florists' Exchange when writing.

Rooted Cuttings **COLEUS**—Verschaffelti, Golden Queen, Mixed; **Heliotrope, Double Petunias, Salvia,** etc.; **Alternanthera**—four kinds. USUAL PRICES.
L. H. FOSTER, 45 KING STREET, **Dorchester Mass.**
Mention the Florists' Exchange when writing.

MARCH SALE
CYCLAMEN Persicum Splendens Gignnteum, finest strain in the world, in four separate colors (August sowing), transplanted twice from flats, $3.00 per 100; $25.00 per 1000. From 2½ in. pots, fine healthy plants, $4.00 per 100; $35.00 per 1000.
CHINESE PRIMROSES (Fringed foliage), no finer strain in the market. Single and double, in seven colors, from 2½ in. pots, $2 00 per 100. From 3 in. pots, extra fine $4.00 per 100; all in bud and bloom.
REX BEGONIAS Fine assortment, from 3 in. pots, 75 cts. per doz.; $5 00 per 100.
PELARGONIUMS Mme. Thibaut, Dr. Masters, Fred Dorner, Victor, Mme. Vibert, mixed, from 3½ in. pots, $1.00 per doz.; $5.00 per 100.
CANNAS (Started from sand bed). Florence Vaughan, Mme. Crozy, Alphonse Bouvier, Queen Charlotte, Austria, assorted, $3.50 per 100; $30.00 per 1000.
CARNATIONS Strong plants from soil, Daybreak, Wm. Scott, McGowan, $1.75 per 100; $15 per 1000. Frances Joost, Mary Wood, $3 50 a 100, $30 a 1000. All the above warranted A No. 1 Stock.
PAUL MADER, East Stroudsburg, Pa.
Mention the Florists' Exchange when writing.

Cobæa Scandens
2½inch pots, per 100, $2.00.

	Doz.	100
Begonia, Alba Plena, 2 in.	$0.50	$1.50
Germanium, Mme. Salleroi, 2 in.	.50	3.00
Salvia Splendens, 2 in.	.40	2.00
Rudbeckia, Golden Glow, 2½ in.	.50	3.00
Carex Japonica var., 2 in.	.50	2.00
Crotons (in variety), 2 in.	.50	3.00
Abutilon, Souv. de Bonn, 3 in.	.75	6.00
Cyperus Alternifolius, 4 in	1.00	6.00

Rooted Cuttings, Bride and Bridesmaid **Roses.** Good, clean stock, $1.50 per 100; $12.00 per 1000.
Send for list of Select Sweet Pea Seed.
Cash with Order.
GEO. L. MILLER, - Newark, Ohio
Mention the Florists' Exchange when writing.

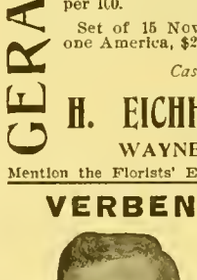
GERANIUMS

AMERICA.
50c. each, $5.00 per 100. For sale also by Henry A. Dreer, Cottage Gardens, Henry F. Michell, J. C. Vaughan.

MARS.
2¼ inch, $5.00 per 100.

DRYDEN.
New, finest bedder, 2½ inch, $10.00 per 100.
Set of 15 Novelties, 1899, including one America, $2.00 per set.
Cash, Please.
H. EICHHOLZ, Florist,
WAYNESBORO, PA.
Mention the Florists' Exchange when writing.

VERBENA KING.



The largest Verbena grower in the world. Say, boys! we have them, too. None finer, the very best mammoth named vars. on earth at the following prices: 60 cents per 100; $5.00 per 1,000; 5,000 for $22.00; 10,000 for $40.00.
Write for prices on larger lots.
NOTICE—We pay the express on all rooted cuttings, and guarantee satisfaction in every way.
Cash, please.
C. HUMFELD,
CLAY CENTRE, KANSAS.
Mention the Florists' Exchange when writing.

SURPLUS STOCK OF GOOD VALUE.
Asparagus Spengeri. 6 in., 35c., 10 in. baskets, $1.00.
Asparagus Plumosus Nanus. 3 in., $8.00 per 100.
Ipomea, blue, strong. 2½ in., $3.00 per 100.
Alyssum, double white, strong. 2½ in., $3.00 per 100. Cuttings, 60c. per 100.
Thrinax, variegated, strong. 2½ in., $3.00 per 100.
Violets, California, strong, 3½ in., $3.00 per 100. Runners, $1.00 per 100.
Transplanted Plants, $1 50 per 100 of Stocks, Dbl. White, Mignonette, true Mschet, Hollyhock, Dbl. White, Jerusalem Cherry, Ardesia Crenulata.
Carnation Cuttings, strictly clean. Daybreak, $2.00 per 100; Scott, $1.50 per 100; Sandusky, $2.00 per 100; Maude Adams, $2 00 per 100; St. Clair, red, money maker, $2.50 per 100
A. G. FEHR, Belleville, Ill.
Mention the Florists' Exchange when writing.

Must Have Room for Other Stock
Cinerarias, for Easter, in bud and bloom, 4 in. pots, $5 00 per 100; 5 in. pots, $1 per doz. **Begonias,** in variety, 2 in. pots, $2.00 per 100; 3 in. pots, $3 per 100. **Bedding Begonias,** Vernon, 2 in. pots, $2 per 100; 3 in. pots, $3 per 100. **Cyclamen,** in bloom, 4 in. pots, $1 per 100. **Alternanthera,** red and yellow, transplanted, 65c. per 100. **Coleus,** 65c. per 100. Satisfaction guaranteed. Low express rates. Sample, 10c.
J. S. BLOOM, Reigelsville, Pa.
Mention the Florists' Exchange when writing.

NICE, CLEAN STOCK, A No. 1.
50,000 COLEUS 40 to 60 named, fancy varieties, $1 per 1000, by express; 65 cts. per 100, by mail; Verschaffelti and Golden Crown, $5 per 1000, by express; 75 cts per 100, by mail.
CARNATIONS Cartledge, Wm. Scott, Eldorado, Tidal Wave, Puritan, Kittie Clever, Portia, McGowan, Louisa, Dr. Warder, $10 per 1000; $1.25 per 100. Mary A. Baker, Liberty, Duke of York, $10 per 1000, $5 a 100.
Campbell and **California Violets, Giant Double Alyssum.** Nice, clean, healthy stock, well rooted, $1 per 100, by mail.
Cash with order, please.
E. J. CLOUD, L. B. 32, **Avondale, Pa.**
Mention the Florists' Exchange when writing.

Choice Plants! Low Prices!
All following are in first-rate condition.
CLEMATIS PANICULATA, strong, in flats, 100 Mailed, $1.25.
BEGONIA VERNON, 6 sorts, mixed, in flats, 100 Mailed, $1.25.
PEPEROMIA ARGYREA and **ARIFOLIA,** 100 Mailed, $1.25.
LYGODIUM SCANDENS, climbing fern, 2 inch pots, per 100, $3.00.
PTERIS TREMULA, 2 inch pots, per 100, $3 00.
PTERIS DEWEYANA, new, 1899, 2 inch pots, per dozen, $2.00.
NEPHROLEPIS WASHINGTONIENSIS, new 2 inch pots, 6 mailed, $1 25.
NEPHROLEPIS PHILLIPENSE, 2 inch pots, strong, per 100, $4 00.
GENISTA RACEMOSA, 5 inch, full bushes, full of flower spikes, per dozen, $2.00.
CYPERUS ALTERNIFOLIUS, 4 inch, per 100, $5.00. Carefully Packed. Cash with Order.
JOHN H. LEY, Good Hope, Washington, D.C.
Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT
Asparagus Plumosus, 3 in., $8.00 per 100. **Rex Begonia,** 3 in., mixed, $4.00 per 100. **Marguerite Daisy,** large flowering white, 2 in., $3.00 per 100. **Nephrolepis Cordata Compacta** and **Boston Fern,** 2 in., $4.00 a 100. **Kentia Belmoreana** and **Forsteriana,** 4 in., nice plants, 40c. each; 3 in., 20 cts. each.
GERANIUMS, Double Grant, Bonnatt, Single Grant, Murandi, Sam Sloan, 2 in., $3.00 per 100.
ENGLISH IVY, 2 in., $3.00 per 100.
CAMPBELL VIOLETS, Rooted runners, 50 cts. per 100.
New Carnation KITTATINNY.
A new money making carnation; a white sport from Daybreak. Any one can grow it that can grow Daybreak, as it is identically the same in every respect except color, which is pure white; and with me it is a stronger grower and larger flower, and as a first-class all-round white can't be outclassed. Stock limited, and orders will be filled in strict rotation. Price per 100 **Rooted Cuttings,** $6.00.
Carnations, rooted cuttings. Daybreak, Iago, Flora Hill, $1.25 per 100. Scott, Fisher, Portia, McGowan, Alaska, Peach Blow, 75c. per 100.
Cash with order.
GEO. M. EMMANS, Newton, N. J.
Mention the Florists' Exchange when writing.

Seasonable Stock

	Per 100
Ageratum, blue and white, R. C.	$0 65
" blue, from 2½ in. pots	1 00
Coleus, leading kinds, R. C.	65
" " 2½ in. pots	1 00
Heliotrope, best varieties, R. C.	65
" " 2½ in. pots	1 00

CARNATIONS.
Scott, McGowan, Flora Hill and Portia, strong R. C., from sand, 75c. per 100. From soil, once transplanted, $1.00 per 100. From 2½ in. pots, vigorous 1 25
CHRYSANTHEMUMS, leading varieties, R. C., 75c. per 100. From 2½ in. pots 1 25
GERANIUMS, strong, from 2½ in. pots 2 00
" " rooted cuttings 75
GERMAN IVY, R. C., 65c; 2½ in. pots 1 00
VINCA, R. C., 65c. per 100; 2½ in. pots 1 00
SWAINSONIA, pink and white, R. C. 1 00
" 2½ in. pots 1 50

ROSES.
Bridesmaid, La France, Perle, Kaiserin, strong R. C., $1.25 per 100. From 2½ in. pots, strong, ready April 1st, $2.75 per 100.
American Beauty, ready April 1st. Strong R. C., $2.00 per 100. From 2½ in. pots, $4.00 per 100. From 3 in. pots, strong, later, $6.00 per 100.
☞ Cash or satisfactory reference. The above stock can be supplied in any quantity.
DEPEW & BLAUVELT, Nyack, N. Y.
Mention the Florists' Exchange when writing.

A Few Good Things You Need.

	Per 100.
Dracæna Indivisa, 3 in. pots,	$4.00
" " from flats,	1.00
Begonia, Crimson King, 2½ in.,	3.00
" " 4 in.,	5.00
Cyclamen Giganteum, 2½ in.,	3.00
" " from flats,	1.00
Umbrella Plants, 5 in.,	10.00
" " 4 in.,	7.00
" " 3 in.,	4.00
Smilax, from flats,	.75
Begonia Erfordi, rooted cuttings,	1.00
Salvia Splendens, " "	1.00
Impatiens Sultani, " "	2.00
Lemon Verbena, " "	2.00
Cigar Plant, " "	1.00

California Privet, good, strong one-year-old plants, $3 per 100, $20 per 1000.

A. J. NEWTON . . Norfolk, Va.

Mention the Florists' Exchange when writing.

Rooted Cuttings

Alternanthera, rooted in August, 50 cts. per 100; $4 00 per 1000.

Salvia Splendens and Bonfire, $1.00 per 100; $8.00 per 1000.

Heliotrope, $1.00 per 100; $8.00 per 1000.

Fuchsias, single, $1 per 100; Double, $1.50 per 100.

Feverfew, Dwarf Gem, $1.00 per 100; potted plants, $1.50 per 100.

German Ivy and **Ageratum**, 75 cts. per 100.

Lobelia, dwarf and trailing, $1.00 per 100.

Solanum Jas. Alba, fragrant white flowers all summer, fern for vases, $1.50 per 100.

Paris Daisy Giant, pot plants, $2.00 per 100.

Forget-Me-Not, rooted cuttings, $1.00 per 100; 2 in. pots, $1.50 per 100; 4 in. pots, $5 00 per 100.

Pansies, nice, young stock, 50c. a 100; $2.50 a 1000. Large plants in bud, $4.00 per 1000.

Cyclamen P. Giganteum Universum, finest strain, $2 00 per 100; $18.00 per 1000.

Rudbeckia, Golden Glow, $3.00 per 100.

Vinca Variegata. $1.00 per 100.

Verbenas, 60 cts. per 100; $5 00 per 1000.

CARNATIONS—Scott and McGowan, $1 per 100; $6.00 per 1000. Daybreak, $1.25 per 100; $10.00 per 1000. Flora Hill, $1.50 per 100; $12 00 per 1000. Bon Ton, $2.00 per 100. Gomez, 60 cts. per doz.; $4.00 per 1000. Joost, $2 50 per 100.

Cash with order.

All rooted cuttings quoted by the 100 sent by mail.

ORANGE FLORAL CO., West Orange, N. J.

Mention the Florists' Exchange when writing.

GERANIUMS

A few thousand left in 2½ in. pots at $30.00 per 1000; $3.25 per 100. **S. A. Nutt, La Favorite, Richard Brett, Wilhelm Pfitzer, Mazet Delayas, J. M. Garr, Mrs. E. G. Hill, Wonder, Granville, Rev. Atkinson.**

Mme. Salleroi, Geraniums, in soil, $1.50 per 100; $12.00 per 1000.

Also, **Rose Geranium Cuttings**, $18 00 per 1000; $2.00 per 100.

COLEUS, Crimson Verschaffeltii and Golden Queen, $7.00 per 1000, 75c. per 100; 2 in. pots, $1.50 per 100. Coleus in variety, $5.00 per 1000, 60 cts. per 100; 1¾ in. pots, $1.25 per 100.

AGERATUM, Blue and White, 75c. per 100; 1¾ in. pots, $1.25 per 100. Princess Pauline, $1.00 per 100; 1¾ in. pots, $1.50 per 100.

GIANT ALYSSUM, $1.00 per 100.

SALVIA, Splendens and Bedman, $1.25 per 100; 2 in. pots, $1.75 per 100.

HELIOTROPE, 6 vars., named, $1.00 per 100; 1¾ in. pots, $1.50 per 100.

CUPHEA (Cigar Plant), $1.00 per 100.

FUCHSIAS, $1.50 per 100; 2½ in. pots, $2.50 per 100.

FEVERFEW, $1.50 per 100; $12.00 per 1000; 2 in. pots, $2.00 per 100.

VINCAS, $1.25 per 100; $10.00 per 1000. 4 in. pot, $8.00 per 100; $70 per 1000. Fine plants.

The above are rooted cuttings, except when noted. Cash must accompany all orders.

J. E. FELTHOUSEN, Schenectady, N. Y.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

	100	1000
Coleus, Crimson Verschaffeltii, Golden Bedder and Golden Queen	$0.75	$6.00
" In variety	.60	5.00
Alternantheras, P. Major and A. Nana, from soil	.60	5 00
Ageratum, blue and white	.60	
" Princess Pauline	.75	
Double Petunias, 30 varieties	1.25	
Giant Alyssum	.60	
Heliotropes, 12 varieties	1.00	
" 2 inch pots	2 00	
Salvia Splendens and Bedman	1.00	
Cannas, Austria only, dormant	1.00	
Geraniums, standard bedders, 3 inch pots, our selection	3.00	

Plants by the 100, by mail, prepaid. Cash with order.

C. A. HARRIS & CO., DELANSON, N. Y.

Mention the Florists' Exchange when writing.

Unequaled Varieties VERBENAS Vigorous Stock.

		100	1000
Best Mammoths,	strong pot plants	$3.00	$25.00
" "	rooted cuttings	1.00	8.00
Older "	"	.75	6.00
" "	strong pot plants	2.50	20.00

ROOTED CUTTINGS CARNATIONS VIGOROUS STOCK

Per 100

General Maceo, G. H. Crane, $6.00 per 100 $50.00 per 1000.

America, Melba, Gen. Gomez, Mrs. G. M. Bradt, 75c. per doz.; $5.00 per 100; $40.00 per 1000.

White Cloud, Gold Nugget, $4.00 per 100; $30.00 per 1000.

Bon Ton, New York, Jubilee, Frances Joost, $2 50 per 100; $20.00 per 1000.

Armaziudy, Flora Hill, Eldorado, Daybreak, John's Scarlet, Sea Shell, Victor, $2.00 per 100; $15.00 per 1000.

Alaska, Lizzie McGowan, Wm. Scott, Portia, $1.50 per 100; $12.00 per 1000.

Rooted CHRYSANTHEMUMS Cuttings

Send for list of **90 best Varieties.**

CYCLAMEN GIGANTEUM.

From 3 inch pots, in bud, $8.00 per 100
" 3¼ " " 10.00 "

Strong Tubers CANNAS DORMANT.

Alphonse Bouvier, Florence Vaughan, Doyen J. Slisley, F. R. Pierson, Italia, Burbank, Souv. de A. Crozy, John White, Pierson's Premier, Comte de Bouchard, Papa, Pres. McKinley, $3 00 per 100; $25.00 per 1000.

Chas. Henderson, Paul Marquant, Paul Bruant, Austria, Thos. S. Ware, Creole, $2.50 per 100; $20.00 per 1000.

ROSES.

Bridesmaid, Boo Silene, Catherine Mermet, Duchess of Albany, Golden Gate, La France, Maid of Honor, Niphetos, Perle des Jardins, Pres. Carnot, Sunset, The Bride, Wootton, from 2¼ in. pots, $5.00 per 100, $40.00 per 1000.

MISCELLANEOUS.

	100	1000
Anthemis, Double Golden Marguerite	$2.00	
Ageratum, blue and white	4.00	$8 00
" Princess Pauline	1.50	
Coleus, all leading sorts	1.00	8 00
Fuchsias, double and single	2.00	15.00
Feverfew	1.50	12.00
Heliotrope, light and dark	1 25	10.00
Impatiens Sultani	2.00	
Mooa Vines, true	2 00	15.00
Salvias, Splendens and Bedman	1.25	10.00

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

CANNAS

The THREE BEST Solid Red CANNAS: BLACK PRINCE, $10 00 per 100; PHILADELPHIA, $4.00 a 100; DUKE OF MARLBOROUGH, $4.00 a 100.

BOSTON FERN Strong, 2½ inch, $5.00 per 100.

CRIMSON RAMBLER 3½ to 4 ft., $15 per 100.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

XXX STOCK

GERANIUMS. The very finest single and double varieties grown. Extra strong and healthy plants out of 3½ inch pots, choicest named or mixed, including many new varieties, $3.50 per 100.

FUCHSIA, Madame Bruant. New giant double purple, the finest and most free of all the purples, $3.50 per 100.

FUCHSIA, Madame Carnot. New giant double white; mammoth; the finest and most free of all double whites, $3.50 per 100.

Read what The Exchange says of these Giant Fuchsias, Nov. 18, 1899, page 1156.

HELIOTROPES. Large flowering, light and dark, strong bushy plants, ready for 3½'s, $2.50 per 100.

LOBELIA, New Double Blue. Dwarf, extra fine and a perfect beauty; ready for 3½'s, $3.50 per 100.

LOBELIA, Emperor William. Dwarf finest bright blue, ready for 3½'s, $2.00 per 100.

CYCLAMEN GIGANTEUM seed. Choicest giants mixed, 200 sds., $1 00; ½ pkt., 50c.

CHINESE PRIMROSE seed. Finest large fringed, single and double, 500 seeds, $1.00.

PRIMULA Obconica. Improved bright rose color; very finest of all Obconicas, 1000 sds, 50c.

PANSY, Finest Giants. Choicest mixed, 3500 sds., $1.00; ½ pkt., 50c.

CINERARIA. Large flowering dwarf; very choicest mixed, 1000 sds., 50c.

PHLOX, Pumila Compacta. New, very dwarf, beauties for pots, mixed, pkt., 20c.

Extras added liberally to every order.

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Ready now in 2¼ inch pots, in exceptionally fine quality.

Strong, clean and healthy. Send for samples.

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Mention the Florists' Exchange when writing.

100,000 CUTTINGS

	Per 100
Alternantheras, red and yellow	$5 per 1000, $0.60
Alternantheras, summer struck	$9 per 1000, 1.00
Ageratum blue and white,	1.00
" Princess Pauline,	1.25
Alyssum, Double Giant,	1.00
Begonia Erfordii	2.00
" Rex	2.00
" Inc. Gigantea	2.00
Carnation, White Cloud,	3.00
" Triumph, Albertini, and Flora Hill,	2.00
COLEUS—	
Fancy and large leaf	1.00
Verschaffeltii, yellow and selected kinds, $7 a 1000,	.80
Mixed colors, $5 per 1000,	.60
Forget-Me-Not (Winter Flowering)	$2.00
GERANIUMS—	
Named	2.00
Mixed	1.50
Mrs. Parker (Double Pink) Silver Leaf	4.00
Silver Leaf, Rose Scented	1.50
Mme. Salleroi	1.25
Double New Life	4.00
Mrs. Pollock and Happy Thought	2 00
Bronze	1.50
Mara, Freak of Nature	3.00
Mme. Bruant	2.50

	Per 100
Fuchsias, assorted	1.50
" Sun Ray (variegated)	4 00
" Trailing Queen	1.50
German Ivy	1.25
Heliotrope, purple and white	1.25
Impatiens Sultani	2.00
Lemon Verbena	1.50
Lantana, assorted	1.50
" trailing	2.00
Manettia Bicolor	2.00
Tradescantia Tricolor	2.00
Salvia	1.25
Vinca Var., extra strong	1.50

PLANTS.

	Per 100
Anthericum, 3 in	$6.00
BEGONIAS—	
Rex, assorted, 2¼ in	4.00
" named, 2¼ in	6.00
Fragrant Calla, 2¼ in., 1.50 per doz.	

PLANTS.

	Per 100
Fragrant Calla, 4 in., $3.00 per doz.	
Forget-Me-Not (Winter Flowering) 2¼ in	$4.00
GERANIUMS—	
Happy Thought, 2¼ in	4.00
Silver Leaf, 2¼ in	4.00
Mrs. Pollock, 2¼ in	4.00

	Per 100
LEMON VERBENAS, $3.00, $4.00 and	6.00
Mignonette, 2 in	2.00
Manettia Bicolor, 2¼ in.	4.00
Primula Obconica, 2 in.	2.00
In flats	1.50

Terms, Cash or C. O. D. **GREENE & UNDERHILL, Watertown, N. Y.**

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200,000 ROOTED CUTTINGS AND PLANTS FOR PROMPT SHIPMENT.

We guarantee Rooted Cuttings and Plants to reach you in a healthy condition; if not so, return at our expense.

The Spring is coming, if you do not have time to get a Money Order, have the R. C. and Plants sent C. O. D. with privilege of examining at Express Office.

CARNATIONS.

	Per 100
Mrs. Thos. W. Lawson	$14 00
Ethel Crocker, pink	10 00
Olympia, variegated	12 00
The Marquis, pink	10 00
Genevieve Lord, pink	10 00
G. H. Crane, scarlet	5 00
America, scarlet	4 00
Melba, light pink	3 00
Mrs. G. Bradt, variegated	3 00
Glacier, white, fine	3 00
Maude Adams, dark pink	3 00
Gomez, dark red	4 00
Mrs. F. Joost, pink	2 50
Gold Nugget, yellow	3 00
Argyle, pink, fine	1 50
Triumph, pink	1 50
Daybreak, shell pink	1 00
Empress, dark red	1 00
Flora Hill, white	1 25
White Cloud, white	2 50
Mary Wood, white, fine	3 00
Jubilee, scarlet	1 50
Psyche, variegated	1 00
Gen. Maceo	4 00
Armazindy	1 50

12 cuttings at 100 rate.

On R. C. Carnations by mail, add 20c. per 100.

PLANTS.

	Per 100
Clara Bedman Salvia	$2 00
Geranium De Roo Mitting, 2¼ inch	7 00
Geranium Double Snow Drop, "	7 00
Geranium Mme. Salleroi, "	2 00
New Yellow Baby Primrose, "	7 00
22 Coleus, fine, named, new, "	4 00
20 Standard Coleus, named, "	1 50
30 Double Petunias, mixed, "	2 00
Primula Obconica, 3½ inch	2 50
Primula Obconica, 2¼ inch	2 00
Primula Chinese, 2¼ inch	1 00
Primula Chinese, in bud and bloom, 3½ in.,	2 50
Primula, from flats, strong	50
Velvet Plant	2 00
15 Begonias, flowering, named, 2¼ inch	1 50
Forget-Me-Not, winter flowering, 2¼ inch,	1 50
Iresines, 2 varieties, red, yellow, 2¼ inch,	1 50
Cannas, large flowering, mixed	1 00
Mesembryanthemum Erectum, 2¼ inch	1 50
California Moss, "	1 50
Lycopodium Dent, "	1 50
Alternanthera, 4 varieties, "	1 50
Feverfew, Little Gem, "	1 50
Feverfew, yellow foliage, "	1 50
Dusty Miller, "	1 50
Cigar Plant, "	1 50
Vinca, variegated, trailing, "	2 00
Ferns, mixed, our selection, 2½ inch	5 00
Lobelia, Crystal Palace Gem, "	1 50

Five plants at 100 rates.

THE MORRIS FLORAL CO., - - Morris, Ill.

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OUR WELL-KNOWN

Giganteum Strain

In 4 separate colors, in extra fine and healthy condition.

AUGUST SEEDLINGS $6.00 per 100; $50.00 per 1000.

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SAMPLES FREE. CASH WITH ORDER.

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Lady Campbell violet plants in 5 and 6 inch pots. 20 to 40 large flowers and buds on each plant. Fine dark color.
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...Wholesale Prices of Cut Flowers...

	Names and Varieties	New York Mar. 9, 1900	Boston Mar. 8 1900	Philadelphia Mar. 8, 1900	Baltimore Feb. 27, 1900	Buffalo Feb. 21, 1900
Roses	A. BEAUTY, fancy—special	30.00 to 40.00	35.00 to 50.00	40.00 to 60.00	.... to	40.00 to 60.00
	" extra	25.00 to 30.00	20.00 to 30.00	30.00 to 50.00	35.00 to 50.00	20.00 to 30.00
	" No. 1	10.00 to 20.00	12.50 to 20.00	20.00 to 30.00	20.00 to 30.00	10.00 to 15.00
	" Culls & ordinary	2.00 to 4.00	3.00 to 8.00	5.00 to 20.00	8.00 to 16.00	4.00 to 8.00
	Bride, Maid, fancy—spc'l	8.00 to 10.00	.... to 20.00	10.00 to 15.00	.... to	10.00 to 15.00
	" extra	4.00 to 6.00	.... to 16.00	8.00 to 12.00	.... to 8.00	8.00 to 10.00
	" No. 1	3.00 to 4.00	8.00 to 12.50	5.00 to 10.00	.... to 6.00	5.00 to 7.00
	" No. 2	2.00 to 3.00	2.00 to 6.00	3.00 to 8.00	.... to 4.00	3.00 to 4.00
	K. A. Victoria	.... to	.... to	6.00 to 12.00	4.00 to 8.00	.... to ....
	La France	3.00 to 6.00	.... to	.... to	4.00 to 6.00	.... to ....
	Meteor	2.00 to 8.00	3.00 to 12.50	5.00 to 12.00	8.00 to 10.00	3.00 to 10.00
	Papa Gontier	.... to	.... to	4.00 to 8.00	3.00 to 4.00	3.00 to 4.00
	Perle	2.00 to 5.00	.... to	3.00 to 6.00	3.00 to 5.00	3.00 to 5.00
	Bouv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
	ORCHIDS—Cattleyas	35.00 to 40.00	35.00 to 40.00	50.00 to 60.00	.... to	.... to ....
	Cypripediums	.... to 12.50	.... to	15.00 to 20.00	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	25.00 to 35.00	.... to	.... to ....
Carnations	Inf'r grades, all colors	.75 to 1.00	1.00 to 1.50	.75 to 1.50	1.00 to 1.25	.50 to .75
	STANDARD VARIETIES White	1.00 to 2.00	1.50 to 2.00	1.00 to 1.50	1.50 to 2.00	1.00 to 2.00
	STANDARD VARIETIES Pink	1.00 to 2.00	1.00 to 1.50	1.00 to 1.50	1.50 to 2.00	1.00 to 2.00
	STANDARD VARIETIES Red	1.00 to 2.00	1.50 to 2.00	1.00 to 1.50	1.50 to 2.00	1.00 to 2.00
	STANDARD VARIETIES Yel.&Var	1.00 to 2.00	1.50 to 2.00	1.00 to 1.50	1.50 to 2.00	1.00 to 2.00
	*FANCY— White	3.00 to 5.00	2.00 to 3.00	2.00 to 3.50	2.50 to 3.00	2.50 to 4.00
	*FANCY— Pink	3.00 to 5.00	.... to 2.00	2.00 to 3.00	2.50 to 3.00	2.50 to 4.00
	*FANCY— Red	3.00 to 5.00	2.00 to 3.00	2.00 to 3.00	2.50 to 3.00	2.50 to 4.00
	*FANCY— Yel.&Var	4.00 to 8.00	2.00 to 3.00	2.00 to 3.00	2.50 to 3.00	2.00 to 4.00
	(*The highest grades of standard var) NOVELTIES	10.00 to 15.00	3.00 to 4.00	3.00 to 5.00	.... to	.... to ....
	ADIANTUM	.50 to .75	.... to 1.00	.75 to 1.50	.... to 1.00	.75 to 1.25
	ASPARAGUS	35.00 to 50.00	.... to 50.00	35.00 to 50.00	25.00 to 75.00	30.00 to 60.00
	CALLAS	5.00 to 8.00	8.00 to 10.00	8.00 to 15.00	6.00 to 10.00	8.00 to 12.00
	HYACINTHS	.75 to 1.00	2.00 to 4.00	1.00 to 2.00	.... to 2.00	3.00 to 6.00
	LILIES	8.00 to 12.50	12.50 to 16.00	.... to	.... to	15.00 to 20.00
	LILY OF THE VALLEY	1.25 to 3.00	2.00 to 3.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00
	MIGNONETTE—ordinary	1.00 to 2.00	2.00 to 3.00	1.00 to 3.00	1.00 to 2.00	2.00 to 3.00
	" fancy	2.00 to 6.00	.... to 4.00	3.00 to 4.00	.... to	4.00 to 6.00
	NARCISSUS	1.00 to 2.00	1.50 to 2.00	2.00 to 4.00	.... to 2.50	.... to ....
	SMILAX	12.50 to 20.00	12.50 to 16.00	15.00 to 20.00	12.00 to 25.00	10.00 to 15.00
	SWEET PEAS	1.00 to 1.50	2.50 to 3.00	1.00 to 3.00	.... to	2.00 to 3.00
	TULIPS	2.00 to 4.00	2.50 to 4.00	2.00 to 4.00	2.00 to 4.00	3.00 to 4.00
	VIOLETS	.25 to .40	.40 to .60	.20 to .60	.40 to .60	.40 to .75
	VIOLETS, special	.50 to .75	.... to .75	.50 to 1.00	.... to	.75 to 1.25

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

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	" extra	35.00—40.00	15.00—20.00	....—	25.00—30.00	25.00—35.00	....—25.00
	" No. 1	10.00—15.00	10.00—12.50	....—	12.50—18.00	10.00—20.00	....—10.00
	" Culls & ordinary	2.00— 5.00	5.00— 8.00	....—	5.00— 8.00	3.00— 5.00	....— ....
	Bride, Maid, fancy-spec'l	....—10.00	....—12.50	6.00— 8.00	10.00—12.00	10.00—15.00	....—15.00
	" extra	7.00— 8.00	....—10.00	....—	6.00— 8.00	8.00—10.00	....—10.00
	" No. 1	4.00— 6.00	....— 8.00	....—	4.00— 6.00	3.00— 6.00	....— 8.00
	" No. 2	2.00— 3.00	5.00— 6.00	....—	3.00— 4.00	2.00— 3.00	2.00— 5.00
	K. A. Victoria	4.00— 6.00	....—	....—	6.00—10.00	....—	....— ....
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	Meteor	4.00—10.00	6.00— 8.00	4.00— 7.00	4.00— 8.00	3.00—12.00	3.00—10.00
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	Perle	3.00— 6.00	4.00— 5.00	5.00— 6.00	4.00— 6.00	2.00— 6.00	2.00— 6.00
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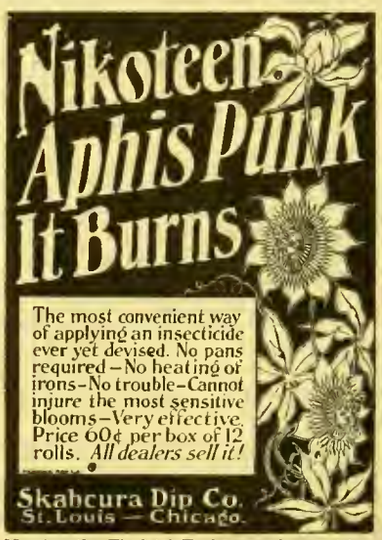

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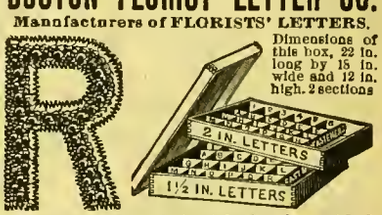

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Rochester, N. Y.

Apologies are due the three representatives of Vick's Magazine, and Messrs. Chas. H. Vick and Al. Salter, who attended the A. C. S. meeting at Buffalo, for omitting their names from the Rochester notes. The associate editor of the magazine, who was "the sole feminine representative of the press," came back "thoroughly saturated" with carnation lore.

Mrs. E. R. Fry, who has assisted at the Main street store for several years, is still confined to the house as the result of a severe attack of pneumonia last November.

Following the sudden zero wave and high wind of February 25 there were several narrow escapes in places where there is no night man. E. R. Fry found the fire out and the mercury at 33 degrees. A few minutes' sunshine while getting up heat saved all but a corner of one house.

At Arnold's, on Chili road, a boiler that went through last year's fire sprang leaks on Sunday evening that ran out 30 barrels of water before they could be checked. Fireman and windmill were busy for 15 hours, keeping temperature above 40 degrees. Following the shoveling caused by our late snowfall of 44 inches, the long-distance connection between well and tank was interrupted by frost. The forces are still dividing their time between getting water into the tank with buckets and digging down to the frozen water pipe. G. A., JR.

Springfield, Mass.

The greenhouses which have been on the roof of the Morgan Envelope Co. for some time have been taken down and sold to Mr. Baker, of Stafford Springs, Conn.

Wm. Schlatter, of Schlatter & Son, has been confined to the house some time, with the grip but is now at business.

The stores are showing good flowers and making fine displays; all report business quite good. G.

Columbus, O.

The fourteenth annual police ball held February 22 was a decided success; the hall was tastefully and artistically decorated by Mr. Charles.

Mr. Nienhearte, formerly with S. F. Stephens, has left for California, where he expects to start in business.

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FIRST QUALITY. CREAM COLOR.

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2 in., "	2 75	4 in., "	6 20
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800 3½ " "	6.80	24 11 " "	3.60
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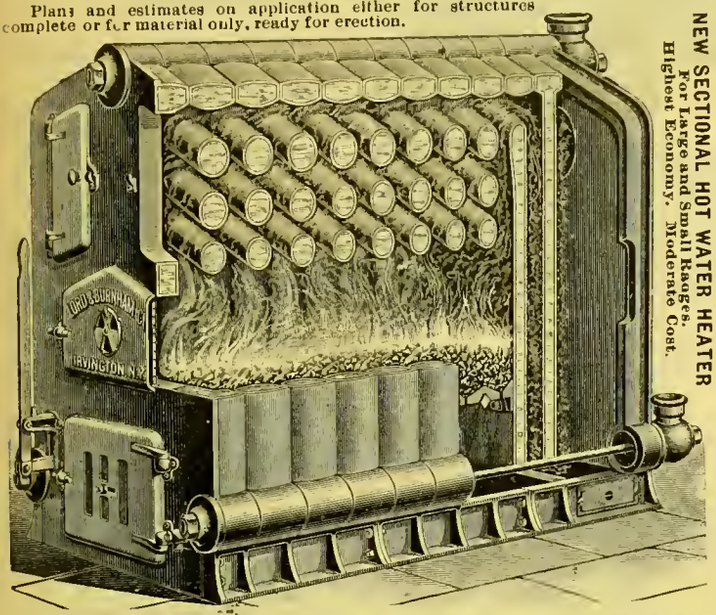

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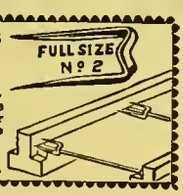

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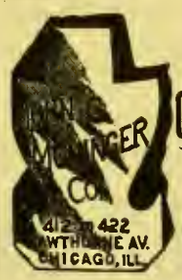

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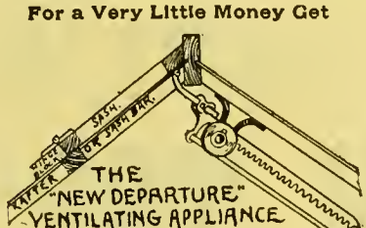

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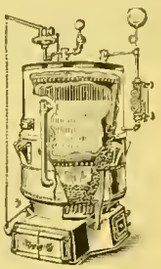

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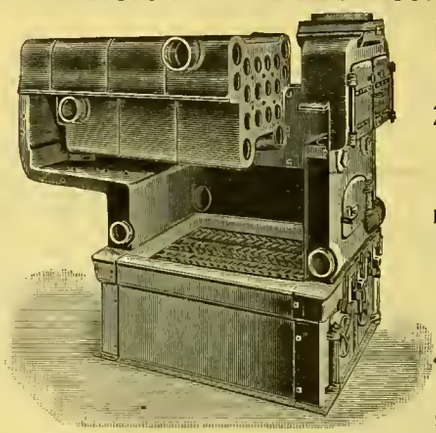

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Single Flowers. White, pink, red, yellow and scarlet; separate colors or mixed. Bulbs 1¼ in. and up in diameter. Each, 5c.; per doz., 40c.; per 100, $2.50; per 1000, $20.
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Sound bulbs, with good, live centre shoots.
5 to 7 inches in circumference,
40c. per doz.; $2.25 per 100; $20 per 1000.
7 to 9 inches in circumference,
60c. per doz.; $3.75 per 100; $35 per 1000.
9 to 12 inches in circumference,
$1 per doz.; $7 per 100; $60 per 1000.
12 in. and up circum., $1.50 per doz.; $10 per 100.

Gloxinias.

Bulbs of large size, measuring 1½ to 3 in. in diameter.
Finest Mixed,
50c. per dozen; $3 per 100; $27.50 per 1000.
Separate Colors. White, red, blue,
60c. per doz.; $4 per 100.
Richardia alba maculata. (Spotted Calla.)
45c. per doz.; $3 per 100; $25 per 1000.

Dahlias.

Dry Roots, Field Grown.

Storm King. Best white for florists. Perpetual bloomer. 30c. each; $3 per doz.; $20 per 100.
Choice Named Varieties. Pompon, Cactus, Show and Fancy. (*See Catalogue, page* 24.)
10c. each; $1 per doz.; $8 per 100.

Cocos Weddeliana Seed.

New Crop Now Ready.
Per 1000, $7.00; 5,000 seeds, $30.00.

Latania Borbonica.

New Crop Seed.
$2.00 per 1000; 5,000 for $9.00.

Asparagus Plumosus Nanus.

Plants from Seed Bed. (Now ready.)
$25 per 1000; $3 per 100.
Seed, $9.00 per 1000; $1.00 per 100.

Caladium—Fancy Leaf.

PRICE, dormant tubers, choice named kinds, about 10 distinct new sorts,
$12 per 100; $1.75 per doz.; 20c. each.
Mixed, Fine Varieties..... $7.50 per 100; $1 per doz.; 12c. each.

CLUCAS & BODDINGTON CO., 342 W. 14th St., N.Y. City. Telephone, 461 18th.

Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS.

WE ARE NOW FILLING ORDERS

In order of receipt, for Rooted Cuttings of the Famous

Mrs. Thomas W. Lawson,

The $30,000 Queen of **CARNATIONS.**

Prices:

Per dozen	$3
Per 100	$14
Per 1000 . . .	$120
Per 5000 . . .	$500
Per 10,000 . .	$800

TERMS: Strictly Cash, or C.O.D. from Unknown Parties.

The quoted prices are for THE TRADE ONLY, and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower.

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

Thos. F. Galvin 124 Tremont St., BOSTON, MASS.

CHRYSANTHEMUMS

Fine Strong Stock, Ready for Immediate Shipment.

MRS. O. P. BASSETT
QUITO
YELLOW MONARCH
MRS. H. ROBINSON
GLORY OF PACIFIC
W. H. LINCOLN
MAUD DEAN
EUREKA
MRS. R. McARTHUR
ARLINE
ROSE OWEN
and many others

50 cents per dozen; $3.00 per 100.

INDEPENDENCE, OCTOBER SUNSHINE, **75 cts. per doz.; $4.00 per 100.**

YELLOW MME. CARNOT
MAVOURNEEN
ADMIRAL DEWEY
WILLOWBROOK
PRIDE
HARRY A. PARR
SILVER WEDDING
MRS. F. L. BUTTON

75 cents per dozen; $5.00 per 100.

PRIDE OF RYECROFT **$1.00 a doz. $6.00 a 100.** KING OF YELLOWS **25 cts. each. $2.50 a doz.**

A full line of all the Novelties and Best Standard are described in our 1900 List, mailed to any florist upon receipt of his address.

THE COTTAGE GARDENS, Queens, N.Y.

C. W. WARD, Manager.

AN OLD PROVERBIAL SAYING



is that "March comes in like the Devil" is wrong, we will admit, but we assure you that you can't go wrong on these prices.

BEGONIAS. Tuberous-rooted, single, separate colors, 45c. per doz; $2.75 per 100; extra selected, 60c. per doz.; $3.50 per 100.

GLOXINIAS. Separate colors, extra selected, 60c. per doz.; $4.50 per 100.

CALADIUMS. Large Size, $8.00 per 100.

TUBEROSES. 1st Size, 4 to 6, $1 per 100; $7.00 per 1000.

MADEIRA VINES. 50c. per doz.; $7 per 1000.

CINNAMON VINES 1st Size, 50c. per doz.; $2.50 per 100.

Mention this paper. **WM. ELLIOTT & SONS,** 54 and 56 Dey St., N. Y.

ASTER SEED

Semple's Branching, in white, pink, purple, lavender, crimson or mixed. Per ⅛ ounce, 15c.; per ounce, 75c.

Queen of the Market, white, rose, light blue, dark blue, crimson. Per ⅛ ounce, 10c.; per ounce, 60c.

ASPARAGUS

SPRENGERI. Per 100, 75c.; per 1000, $5.00.
PLUMOSUS NANUS. Per 100, $1.00; per 1000, $9.00.

STUMPP & WALTER CO., Seedsmen, **50 Barclay St.,** NEW YORK.

Mention paper. WHOLESALE CATALOGUE MAILED FREE.

Grand New Giant Cosmos.

PINK BUTTERFLY, 50 cts. per trade packet, $2.50 per oz.

CHARMIAN, Pink with red ring around the eye, 35 cts. per packet, $2.00 per oz.

WHITE POND LILY, 40 cts. per pkt., $2 per oz.

Send for Trade List to

MRS. THEODOSIA B. SHEPHERD,
Ventura-by-the Sea, Cal.

Mention the Florists' Exchange when writing.

Trade  Mark.

SUZUKI & IIDA,

11 Broadway, - - NEW YORK.

Large Consignment of

CYCAS REVOLUTA,

Selected stems, 1-6 lbs. each.

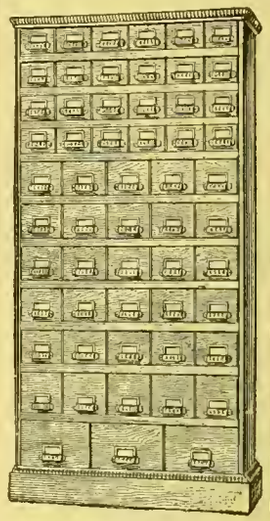
TREE FERNS (Cyathea spinulosa)

Stems, 4 in. to 1½ ft.

Due here in the course of this month.

Write for prices

Mention the Florists' Exchange when writing.



FITTED WITH HELLER'S STEEL SEED BOXES.

SEED CASE

Mice and Insect Proof. Send for Catalogue.

HELLER & CO., Montclair, N. J.

Mention the Florists' Exchange when writing.

JAPAN LILIES { Auratum, Rubrum, Album

We have a good stock of these bulbs, which are scarce this season.
For prices see our "Book for Florists."

CALADIUM ESCULENTUM Clean, sound bulbs, 5-7 in., $3.00; 7-9 in., $4.50; 9-12 in., $8.00. Lots of 250 at 10 per cent. lower.

ASPARAGUS PLUMOSUS NANUS. We are Headquarters for best American grown seed. Per 100, $1.25; per 1000, $9.00; 3000 for $25.00.

ASPARAGUS SPRENGERI Per 100 seeds, 60 cts.; 250 seeds, $1.25; 1000 seeds, $5.00; 3000 seeds, $13.50.

TUBEROSE BULBS Excelsior Dwarf Pearl, Mammoth bulbs, 6 to 8 in., $1.25 per 100; First size bulbs, 4 to 6 in., $1.00 per 100; $7.00 per 1000 3000 for $20.00); Medium size bulbs, 3 to 4 in., 50 cts. per 100; $3.00 per 1000.

JAPANESE FERN BALLS Per dozen, $5.00.

New York—VAUGHAN'S SEED STORE—Chicago

Mention the Florists' Exchange when writing.

Gladiolus Bulbs

Mrs. Beecher, Ben Hur, Amalthee and Marie Lemoine, Size No. 1; Augusta, Eugene Scribe, Reine Blanche and Isaac Buchanan, No. 2. Small grades of Extra White and Light, White and Light seedlings and Isaac Buchanan. Write needs and let me quote you prices.

JOHN FAY KENNELL, Box 405, Rochester, N. Y.

Mention the Florists' Exchange when writing.

Best Quality at Lowest Rates.

ROMAN HYACINTHS,

NARCISSI, FREESIA,

and other French Bulbs for forcing.

BERNARD SON, 29 Boulevard du Musée Marseille, France.

Bulb Grower and Exporter.

Established 1872. Bulbfields—Hyères, Ollioules.

WHOLESALE ONLY.

Mention the Florists' Exchange when writing.

GERMAIN FRUIT CO.'S

California Grown Seeds.

SPECIALTIES:

Wax Beans,	Cosmos,	Onion,
Lima Beans,	Verbenas,	Lettuce,
Salt Bush,	Asters,	Celery,
Bermuda Grass,	Tree and	Carrot,
Johnson Grass,	Shrub Seeds.	Parsnip,
Sweet Peas,		Salsify.

Calla, Freesia, Amaryllis Bulbs, Pampas Plumes. Correspondence Solicited.

LOS ANGELES, CAL.

Mention the Florists' Exchange when writing.

NOW IS THE TIME TO BUY

ASPARAGUS PLUMOSUS NANUS SEED—(Home grown), $1.00 per 100 seeds $9.00 per 1000 seeds.

ASPARAGUS SPRENGERI SEED New Crop—75c. per 100 seeds; $6.00 per 1000 seeds.

HENRY F. MICHELL
1018 Market St., Phila.

WHOLESALE PRICE LIST OF SEEDS, BULBS &c. ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS.

Mention the Florists' Exchange when writing.

WE ARE GROWERS AND FOUNTAIN SOURCE

OF FOLLOWING SPECIALTIES:

Lima Beans—	These New Vars.	Cosmos, choice
Bush and Pole	California Giant	Sweet Peas "
Kentucky Wonder	Branching Comet Asters	Verbenas "
Tall Germ'n Wax	Centaurea Imperialis	Calla Bulbs, Freesia Bulbs
Creseback	All other sorts	Seeds of all varieties of
Pole	Dianthus, Oriental Beauties	Acacias
Bermuda Grass	Masterpiece	Cypresses
Caosaigre	Paosy	Eucalyptus
Carrot	Winter Pineapple	Palms
Celery	Muskmelon	Thujas
Lettuce	Chilian	Musa Euseta
Onion	Watermelon	Camphor Tree
Parsnip	Australian Brown Onion	Grevillea
Radish	Triumph Radish	California Big Tree
Salsify	Roselle, or Lemonade Plant	California Redwood Tree, Etc.
Salt Bush	Asters, choice	

Correspondence Solicited.

JOHNSON & MUSSER SEED CO., LOS ANGELES, CAL.

Mention the Florists' Exchange when writing.

A Voice From Afar.

I cannot speak too highly of the general contents of the FLORISTS' EXCHANGE or the pleasure it gives me to peruse its announcements. G. BECKWITH.
Hoddeson, Eng., February 27, 1900.

DOUBLE PEARL TUBEROSE BULBS

Sound, healthy stock, No. 1—4 inches up, at $1.00 per 100; $6.00 per 1000. No. 2—3 to 4 ins., 50 cents per 100; $3.00 per 1000.

CHAS. BLACK, Hightstown, N. J.

Mention the Florists' Exchange when writing.

FANCY-LEAVED CALADIUMS

	10	100
Bulbs 1½ to 2½ inches in diameter, 15 to 25 varieties	$2.50	$20.00
Bulbs, 1 to 1¼ inches in diameter, 6 to 8 varieties	1.50	12.00

The first size will make grand specimen plants or stock bulbs. No larger or finer are in the market.

LATANIAS and PHŒNIX.

Latanias, 4 inch pots, 2-3 characterized leaves	100 $20.00
Latanias, 5 inch pots, 4-5 characterized leaves	30.00
Phœnix Reclinata, Canariensis and Pumila, 15-18 inches	20.00
Phœnix Reclinata, Canariensis and Pumela, 20-24 inches	30.00

Not less than 50 at above rates.

GRAFTED ORANGES and LEMONS.

	10	100
10 to 15 best varieties, 4 inch pots, 10-12 inches high	$2.50	$20.00
10 to 15 best varieties, 4 inch pots, 15-18 inches high	3.50	30.00
10 to 15 best varieties, 4 inch pots, 20-24 inches high	6.00	
	100	1000
1,000 **Prairie Roses,** very strong		$7.00
1,000 **Moss Roses,** " "		7.00
2,000 **Hybrid Wichuraiana** (Manda's),	5.00	$40.00

Quotations Made packing.

P. J. BERCKMANS CO., Augusta, Ga.

Mention the Florists' Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

WHOLESALE PRICE LIST FOR FLORISTS AND MARKET GARDENERS

Mention the Florists' Exchange when writing.

VICK'S SEEDS

FOR FLORISTS.

All Home-Grown Seeds.

	¼ Oz.	Oz.
Aster, Vick's Daybreak, Pink	$1.50	$4.00
" " Purity, White	2.00	6.00
" Branching Comet, White	2.50	8.00
" Vick's Branching, in colors, White, Pink, Crimson and Purple, each	.25	.75

Trade List, also Garden and Floral Guide, now ready. Send for it.

JAMES VICK'S SONS, Rochester, N.Y.

Mention the Florists' Exchange when writing.



DREER'S SPECIAL OFFER

OF SEASONABLE BULBS.

Tuberous Rooted Begonias. The finest strains obtainable.

Singles in separate colors	40c. per doz.	$2.50 per 100.	$20.00 per 1000
" " choice mixture	35c.	2.00 "	18.00 "
Double in separate colors	65c.	5.00 "	40.00 "
" " choice mixture	50c.	4.00 "	35.00 "

New Frilled Begonia. A grand novelty with wavy petals, which are beautifully frilled like the finer forms of petunias. We offer strong bulbs, 25c. each; $2.50 per dozen; $20.00 per 100.

New Sun-Proof Begonia, Duke Zeppelin. The most brilliant of all the tuberous rooted varieties, flowers double, of the most dazzling pure scarlet, strong bulbs, 20c. each; $2.00 per dozen; $15.00 per 100.

Caladiums, Fancy Leaved. A choice assortment of 25 distinct varieties, strong bulbs, $2.00 per dozen; $15.00 per 100.

Caladium Argyrites. A fine lot of this most desirable and scarce miniature variety, which if started at once, will make fine plants to use at Easter, good bulbs, $2.00 per dozen; $15.00 per 100.

Cosmia Aurea Imperialis. A summer flowering bulb of recent introduction, orange colored star-shaped flowers, 3 inches across, 30c. each; $3.00 per dozen.

Gloxinias in separate colors or in choicest mixture, fine sound bulbs, 50c. per dozen; $4.00 per 100; $30.00 per 1000.

Dahlias. Our collections embrace the best now grown; we offer:

1 set of Twelve Double Show Dahlias	$1.00 per set.	$8.00 per 100
" " " Fancy	1.00 "	8.00 "
" Six Superb Quilled	.50 "	3.00 "
" Twenty-five Choice Cactus	2.00 "	8.00 "
" Ten Superb Single	.85 "	3.00 "

Dahlia, Storm King or Blizzard, 25c. each; $2.50 per dozen; $20.00 per 100.
Montbretias. Seven fines varieties, 25c per dozen; $1.75 per 100; $15.00 per 1000.
Tigridia Conchiflora, Grandiflora Alba and Pavonia Grandiflora, 30c. per doz.; $2.00 per 100.
Caladium Esculentum, Gladiolus, Etc., Etc.

Mention this paper.

HENRY A. DREER, -- Philadelphia, Pa.

OUR NEW MARCH FIRST

Market Gardeners and Florists' Wholesale Catalogue

Is now ready, and if you do not receive a copy by mail, write for it.

SPECIAL OFFER OF BULBS.

	Doz.	100
BEGONIA, Tuberous Rooted—		
Single Mixed	$0 35	$2 00
Rose, Crimson, Scarlet, Pink, Yellow and White	40	2 50
GLOXINIAS, choice mixed	50	3 50

	100
CALADIUM Esculentum, small size	$3 50
Medium size	6 00
Large size	12 00
TUBEROSES, Double Pearl No. 1, per 100, 85c.; per 1000, $6.50.	

JOHNSTON & STOKES, 217 and 219 Market Street, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

Danish Cauliflower Seed

Early Dwarf Danish Snowstorm, selected up and grown by the leading specialist of Denmark. Always uniform; fine large white heads, early. No better seed offered at any price.

One Quality Only. The Best.

$2.50 Per Ounce. Per Ounce, $2.50.

A. E. WOHLERT, Importer, Altoona, Pa.

Mention the Florists' Exchange when writing.

NEW CROP WINTER-BLOOMING

Carnation Seeds!

Hand Fertilized, 25c. per 100. Cash with order.

AMERICAN ROSE CO., Washington, D.C.

Mention the Florists' Exchange when writing.

SEEDS for Profit

FLORISTS' FLOWER SEEDS **Sweet Peas**

Wholesale Catalogue on application.

WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., New York City.

Mention the Florists' Exchange when writing.

DAHLIAS!

The cream of the lists. Our stock includes the well-tried desirable older varieties as well as the latest acquisition. Booking order now. Be quick.

Undivided Roots in variety, $60.00 per 1000,

Our semi-acoual trade list now ready.

THE WM. H. MOON CO.,

Glenwood Nurseries, MORRISVILLE, PA.

Mention the Florists' Exchange when writing.

ESTABLISHED 1802

THORBURN'S SEEDS

Our Wholesale Price List of

Choice Flower Seeds

FOR FLORISTS

Is now ready. A postcard will bring it to you. We have still on hand some of our

LILY OF THE VALLEY PIPS

The finest that come to this country; per 1000, $10.00. Cases of 3000 at $9.00 per 1000.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Mention the Florists' Exchange when writing.

ASTER | COSMOS | PANSY | SALVIA | ZINNIA

BEANS | CLOVER | GRASS | ONIONS | PARSNIP

SEED TRADE REPORT

Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Chicago, Ill., President; ALBERT MCCULLOUGH, Cincinnati, First Vice-President; F. W. BOLGIANO, Washington, Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

New York.—Stumpp & Walter Co. have had their front signs newly painted in white and gold on a red ground—very brilliant and visible for a block or more. The front of the store will also soon be done over new.

Houston, Tex.—The new building of the T. H. Thompson Seed Co. is approaching completion. It will be the handsomest business block in that city, and the best fitted up seed establishment west of the Mississippi River. This house has made rapid strides during the past year, since H. C. Johnson, the last addition to the firm, has had the management.

Rochester, N. Y.—Rochester seed firms are all cheerful in anticipation of a good season. Jas. Vick's Sons are having an unusually good trade from the South, and so look forward to an increase in their main catalogue trade. There has been an annoying shortage in contract crops in several lines.

CALIFORNIAN SEEDS

Contract Prices for 1900 Harvest on Application.

WHOLESALE ONLY.

PERRY WATSON & CO.,

SACRAMENTO, CAL.

Mention the Florists' Exchange when writing.

COX SEED CO.

Wholesale Seedsmen

14 & 16 Ninth Ave., 411, 413, 415 Sansome St.

NEW YORK. SAN FRANCISCO.

Mention the Florists' Exchange when writing.

TUBEROSES=The Pearl

Size, 4 to 6 inches circumference,

Per 1000, $6.50 Net.

CASH WITH ORDER.

HULSEBOSCH BROS., Englewood, N. J.

Mention the Florists' Exchange when writing.

Clematis Paniculata and Ampelopsis Veitchii

$40 to $70 Per 1000. $35 to $50 Per 1000.

We have the above in large quantities, two and three years old, field-grown.

California Privet. Prices on application.
Arbor Vitæ, American, 15 to 20 in., transplanted last year, per 100, $2.00.
Dwarf Box, per 100, $1.50 to $4.00.
Japan Maple Atropurpureum, 18 to 24 inches, per 100, $25.00.
Silver Maple, 6 to 10 ft., per 100, $7.00.
Horse Chestnut, 5 to 6 ft., per 100, $18 00.
Virginia Creeper, two years, per 100, $5.
Shrubs, per 100, $4.00 to $6.00.
Hydrangea Paniculata Grandiflora, one year, per 100, $2.00.
Norway Maple, 6 to 7 ft., per 100, $7 50; 9 to 10 ft., not straight, per 100, $12.00; 10 to 11 ft., not straight, per 100, $15.00. Above are good for transplanting.

ROSES.

Climbing Victor Verdier, heavy, per 100, $6.00.
Felicite Perpetue, per 100, $6.00.
Francois Level, strong, 2 years' old, extra fine, per 100, $7.00.
Russell's Cotiage, per 100, $7.00.

SEND FOR OUR WHOLESALE LIST.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Mention the Florists' Exchange when writing.

There is no movement yet at Crosman Bros.' retail store. Out at the Monroe avenue warehouse they were found in the Spring rush. Nearly a car-load a day is sent out at this season. Advance orders in the wholesale department are considered very encouraging, especially in view of the higher range of prices in several staples, notably garden beans.

Mandeville & King do not expect definite results from their line of flower seeds for some time, but a careful survey of the general situation leads them to take an optimistic view of the season's work. Their shipping, which was somewhat retarded by the big storm, is now well advanced. A couple of show cards seen here are a commendable departure from the too prevalent circus poster style. The pictures were painted by a Rochester artist and lithographed by Stecher, St. Paul street. There has been so much call for them that Mandeville & King have decided to offer the cards for sale, without printing, at a nominal price.

Briggs Bros. have about completed their extensive commission shipments. In view of the general condition of the wholesale trade they look forward to a good season. Their wholesale trade for 1899 was largely in excess of previous years.

Frank H. Battles reports out-of-town wholesale orders, especially along lines of market gardeners' supplies, as showing a considerable advance over former years.—G. A., JR.

Seeds Under the Microscope.

At a recent meeting of the St. Louis Academy of Science, several practical, as well as interesting, uses of the microscope were demonstrated for examinations of seed. The first, and perhaps most practical use, would be for detecting impurities. In this connection were shown, among other things, glasses of "fancy" and low grades of Kentucky Blue Grass seed, petunia and contents of a packet labeled: "Beautie's Flower Garden, 300 Varieties, 5c.; an every-day Bouquet," sent out by a Boston firm last year, and which proved to consist mainly of red-top grass, with a large proportion of weeds and a dozen of the commonest flower seeds.

The second use and one that could be of assistance to the florist's seedsman, is for counting small expensive seeds. Tuberous-rooted begonia and gloxinia were exhibited to exemplify this, and while they can be seen with the naked eye the foreign matter they contain cannot be, nor can the seeds be counted so quickly or easily. The third use in importance, is as a means of knowing the existence of immaturities. This was evidenced by the great number of immature seeds seen in samples of lobelia and poppy, but, of course, it is impossible to have these sorts absolutely pure. (The plate of lobelia proved to be composed of fully 50 per cent. hulls and immature seed).

From an artistic view many seeds under the microscope reveal to us some of Nature's most beautiful forms and colors.

I am aware that the microscope is seldom used by florists or seedsmen, and yet a small tripod simple microscope is to be found in the desk of many good seedsmen, and perhaps it would be more in demand if its utility were better known. The instrument to which I have referred is the small stand glass that may be purchased in any city for a nominal sum, as the compound microscope is only valuable for examining seeds individually.

I do not presume to point out the microscope's value to others, but rather to give a brief outline of the exhibit made at the above-mentioned meeting, where 15 plates of seeds were shown, and its uses as suggested to me at that time.

F. W. MAAS.

European Notes.

The Winter which appears to be now fairly closed has been one of the wettest on record. Already the deficiency in the annual rainfall has been made up and we are 3½ inches to the good, with no prospect of a cessation of the almost continuous downpour.

One effect has been a check to the trade in peas and beans, for much of the land on which these are sown is now lying under water, and by the time it is fit to be cultivated the sowing season will have passed. It is fortunate for some of our merchants that heavy shipments of peas have been made to your side.

The trade in market seeds has also been brought almost to a standstill for the same reason, and while holders of clover seeds are nominally holding out for higher figures, purchases are reported to have been made on more favorable terms. The spurt in haricot beans and blue boiling peas has also collapsed for the same reason. Natural grasses move very slowly, but perennial rye grass is in demand with an upward tendency.

For the first time during several years we have quite a famine in parsnip seed; but as the sowing season is now nearly over we shall perhaps be able to pull through. A variety named "Tender and True," which was exhibited before the Royal Horticultural Society at its last meeting was as near perfection as possible. At the same meeting a two-year-old plant of Cyclamen grandiflorum album was exhibited, bearing 140 perfect blooms, although the plant had not been repotted since it bloomed 12 months ago. This surely is a record. The pink variety of the crested Bush Hill Pioneer will be offered this season.

EUROPEAN SEEDS.

Import and Export Statistics.

The dutiable imports of plants, shrubs and vines amounted to $47,666 in January, 1900, against $35,702 in the same month of 1899.

The free imports of seeds amounted in January, 1900, to $182,622, against $107,657 in January, 1899.

The dutiable imports of seeds amounted to $121,317 in January, 1900, against $67,401 in the same month of 1899.

The exports of seeds to other countries amounted to $435,103 in January, 1900, against $301,103 in the same month of 1899. The countries to which the United States exported seed were the United Kingdom, which received shipments to the value of $145,730 in January, 1900, as against $125,872 worth during the same month of last year. Shipments to France amounted to $21,679 in January, 1900, as against $3,658 in January last year. Germany imported seeds from the United States to the value of $170,703 in January, 1900, against $62,616 in January, 1899. Other European countries received shipments to the value of $50,869 in January, 1900, as compared with $49,980 in January of the preceding year. A decrease is to be noted in the exports of seeds to British North America, being valued at $37,650 against $48,306 in January, 1899.

Grape Vines

Descriptive and Price List free.
Currants, Gooseberries and other Small Fruit Plants. Extra quality. Warranted true.
T. S. HUBBARD CO., FREDONIA, N. Y.

Mention the Florists' Exchange when writing.

13,000 HYDRANGEA P. G.

Price, 2½c. to 10c., according to size.
1 000 Standard Hydrangea, No. 1, 20 cts.
35,000 ROSES, on own roots, including 7,500 Crimson Rambler.
PRIVET is selling freely, 25,000 yet to offer. Hardy Nursery stock exclusively. Send list of wants for prices.
HIRAM T. JONES, Union County Nurseries, ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

MAPLES

Norway, Sugar, Silver and Sycamore.

We have a few thousand well-grown trees of these, 8 to 10 and 10 to 12 ft. The quality is high, the price is low. Communicate with
W. P. BRINTON, Christiana, Pa.

Mention the Florists' Exchange when writing.

LETTUCE Boston Market, Tennis Ball, Curled Simpson, Grand Rapids, and other vars., 15c. per 100; $1.00 per 1000; $8.50 per 10,000; if by mail, add 10c. per 100.

TOMATO Small plants for transplanting, to several varieties, 15 cts per 100; $1.00 per 1000.

PEPPER Small plants for transplanting, in several varieties. 25c. per 100; $2.00 per 1000. If by mail, add 10c. per 100.

ECG PLANTS New York Improved for transplanting, 25c. per 100, $2.00 per 1000.

CELERY Golden Self Blanching and White Plume, 15c. per 100, $1.00 per 1000

Other vegetable plants in season. Cash with order.
R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

NORWAY MAPLES.

1000 8 to 10 feet.
1000 6 to 7 "
700 4 to 6 "
700 3 to 4 "
100 1 to 2 "

IRISH JUNIPERS.

500 3 to 4 feet.
500 2½ to 3 "
500 2 to 3 "

10,000 Peach Trees, General Assortment

The Maple and Juniper will be sold at very low prices in order to close out.
C. L. LONGSDORF,
Oak Hill Nurseries, Flora Dale, Adams County, Pa.

Mention the Florists' Exchange when writing.

HARDY HERBACEOUS PLANTS CHEAP.

	Per 100
Bellis Perennis, double daisies, red or white	$1 00
Caryopteris Nasticanthus, 12 in. high	4 00
Coreopsis Lanceolata	4 00
Delphinium Formosum, blue	3 00
Digitalis, assorted	3 00
Gypsophila Paniculata, from 2 in. pots	2 00
Hemerocallis Sieboldii	4 00
Lychnis Chalcedonica	4 00
Lychnis Haageana Hybrids, from 2 in. pots	2 00
Hardy Pinks, Her Majesty, from 2 in. pots	2 00
Hardy Pinks, Anne Boleyn, 3½ in. pots	4 00
Statice Armeria	3 00
Hibiscus Crimson Eye	3 00
Myosotis Alpestris	3 00
Gaillardia Grandiflora	3 00
Eulalia Japonica	4 00
Geum Atrosangineum	4 00
Sweet William	3 00
Funkia Sieboldii variegata	4 00
Rudbeckia Golden Glow	3 00
Hollyhocks, 4 colors, red, pink, white yellow	4 00
Japanese Iris, 8 named varieties, double sorts	4 00
German Iris, mixed colors	3 00
Papaver Bracteatum, from 2 in. pots	2 00
Pansies, extra fine strain, large clumps	1 00
Pyrethrum Roseum, from 2 in. pots	2 00
Achillea, The Pearl	4 00
Aquilegia, double white and mixed, from 2 in. pots	2 00
Campanula Pyramidalis, blue and white, from 2 in. pots	2 00

Above stock is in fine shape and can be delivered now. Cash, or references, please.
EDWARD B. JACKSON, Stamford, Conn.

Mention the Florists' Exchange when writing.

Rhododendron Maximum. Kalmia Latifolia.

In all sizes and any quantity.
Special rates on car-load lots.
A special opportunity.
Write for prices.

J. WOODWARD MANNING
1150 Tremont Building,
BOSTON, MASS.

Quotations on all other Nursery stock.

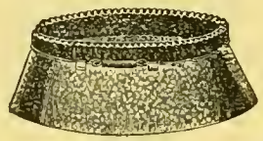
Mention the Florists' Exchange when writing.

SURPLUS FOR SPRING 1900

Can yet do **PEACHES** and **JAPAN PLUMS** in limited quantity; also **MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY, STRAWBERRIES** from best leading varieties. Prices for same given upon application.
MILFORD NURSERIES, Milford, Del.
ALEX. PULLEN, PROPRIETOR.

Mention the Florists' Exchange when writing.

A Picture of the....



EXPANSIVE TREE PROTECTOR.

Absolutely prevents all worms and insects from crawling up fruit and shade trees. For agency, territory and prices, address
EXPANSIVE TREE PROTECTOR CO.,
ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

AMPELOPSIS VEITCHII

2 year, strong, per 100, $7.00.

	Per 100
Clematis Jackmanii, 2 year, extra strong	$14 00
Standard Hydrangea, P. G., 3-3½ ft.	18.00
Standard Limes, assorted, 3-4 ft.	10.00
Standard Japan Snowball, 3½-4 ft.	18.00

These prices are good only till surplus is reduced.
Send for list of other stock, Roses, Herbaceous Plants, Ornamental Trees, Small Fruit and Fruit Trees
Jackson & Perkins Co., Newark, New York.

Mention the Florists' Exchange when writing.

F. & F. NURSERIES SPRINGFIELD, NEW JERSEY.

Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.

Mention the Florists' Exchange when writing.

THE STORRS & HARRISON CO., Box 936, PAINESVILLE, OHIO.
Leading American Nurserymen, offer one of the Most Complete Assortments of
FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.
46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

Mention the Florists' Exchange when writing.

OAKS 10,000

Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogues on application. Send estimate of wants for prices.
THE WM. H. MOON CO., GLENWOOD NURSERIES, **Morrisville, Pa.**

Mention the Florists' Exchange when writing.

LARGE MAPLES

NORWAY MAPLES.	Per 100	SILVER MAPLES.	Per 100
1¼-1¾ in. cal., 10-14 feet	$35.00	1¾-2 in. cal., 12-14 feet	$25.00
1¾-2 " " 12-16 "	60.00	2-2¼ " " 14-18 "	35.00
2-2¼ " " 14-18 "	90.00	2¼-2½ " " 15-18 "	50.00
2¼-2½ " " 16-19 "	110.00	2½-3 " " 16-20 "	75.00
		3-3½ " " 18-21 "	100.00

These are grown wide apart, have good fibrous roots, straight trunks, single leaders, symmetrical tops. CAR LOTS.
ISAAC HICKS & SON, Westbury Station, Nassau County, New York.

Mention the Florists' Exchange when writing.

TREES

Fruit Trees, Small Fruits, including grapes. **Ornamental Trees, Evergreens** and **Shrubs** for public and private grounds. **Shade Trees** for streets. **Hardy Roses, Hardy Plants, Climbers,** etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.
ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. **Rochester, N. Y.**

Mention the Florists' Exchange when writing.

BEFORE PLACING ORDERS **SECURE OUR PRICES** ON ALL LINES OF STOCK.

THE SUGAR MAPLE

Is a beautiful tree at all seasons, and no better variety can be used for **Street, Park,** or **Lawn Planting,** as its growth is rapid and straight, its form symmetrical, and it does not have the objectionable density of foliage possessed by the Norway Maples. For this reason it is well adapted for planting near buildings, as it does not obstruct light or air, and being **deep rooted the grass will grow up to its very trunk, which is a very strong point in its favor.** No tree has more gorgeous Autumn coloring, as it varies in all shades of yellow, orange and scarlet until the leaves finally fall. It was a sagacious popular instinct which selected this as one of our best trees for ornamental planting, and in some of the old places on the Hudson River long avenues were planted with it three quarters of a century ago, and they are now worth a long journey to see. We have an extra large stock of magnificent trees, many times transplanted, which we know offer at the following low prices:

		10	100	1000
10 to 12 ft. in height,	1¼ to 1½ inches in diameter	$5.00	$33.50	$290.00
12 to 14 ft. "	1½ to 1¾ " "	6.00	35.00	300.00
14 to 15 ft. "	1¾ to 2 " "	10.00	75.00	500.00

ANDORRA NURSERIES WILLIAM WARNER HARPER, Prop., Chestnut Hill, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

St. Louis.

Market News.

Business has been right good during the past week; stock much more plentiful, but by no means a glut so far. Red roses are a little over abundant, also violets, which have gone down in price again, selling in some cases as low as $20 per 1,000; the general figure is, however, 30c. to 50c. per 100. Carnations are holding up well, still bringing 1½c. to 4c., with no overstock. Beauty sell for $1 to $3 per dozen, with supply rather short. Callas and Harrisii are worth 10c. to 12½c.; smilax is in good demand at same price. Bulb stock, consisting of Von Sion, Paper Whites, valley, etc., has sold well, at about 3c.

Club Meeting.

The regular meeting was held on the 8th; attendance only fair, the main attraction being the announcement that the Liberty rose would be exhibited; in this we were not disappointed, it was there in all its glory, and notwithstanding its long journey from Hoboken, N. J., it had all its fragrance, and, we presume, its true color with it. The expectations of those present were fully realized; all pronounced it a splendid thing, and it was immediately awarded a certificate of merit. Compared with a vase of very good Meteor it out-classed the latter in all points. For the prize of $5, offered by the club, an elegant vase of Bridesmaid, shown by Messrs. Vesey, was first; they also exhibited very fine Bride. Mr. Amman showed Meteor and Mr. Fillmore a vase of mixed roses. Liberty was not placed in competition for the prize. Edward Waters was duly elected a member of the club. Resolutions on the death of J. M. Jordan were read and adopted, and a copy ordered sent to the family and spread upon the minutes of the club.

The profits on the recent euchre party will be added to the cash on hand, and affairs of last Fall's show will soon be settled up.

Notes.

A new floral store has recently been opened up by a Mr. Potts, of Chicago.

The weather here lately has been very warm and Spring-like; prospects seem good for a fine Spring trade.

C. C. S.

Cincinnati.

Business, so far this month, has been exceptionally good in all lines for the florist. Stock has been more plentiful and has sold at fair prices. The outlook for Easter is very bright and there promises to be plenty of stock at reasonable prices. Roses will be the scarcest of all flowers used at this time. Carnations will be in good supply. E. G. G.

THE PINEHURST NURSERIES,

OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.

Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda nitida, Fothergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Dicaea muscipula, Lupinus diffusus, Phlox subulata, Sarraceniae, etc., etc. **Ask for Trade Lists.**

Mention the Florists' Exchange when writing.

FRUIT and ORNAMENTAL TREES,

Shrubs, Vines and Roses.

Write for price list or send your lists of wants for special prices.
W. & T. SMITH CO., Geneva, N. Y.

Mention the Florists' Exchange when writing.

AMERICAN ELMS

8 to 10 ft., 1 to 1½ in. caliper. 25 Elms, 8 to 9 in. caliper, fine specimens, well developed heads. Send for price list.
SAMUEL C. MOON, Morrisville, Bucks Co., **Pa.**

Mention the Florists' Exchange when writing.

TREES! TREES!

Norway, Sugar and Silver Maples
Norway Spruce and Arbor Vitæ.
WM. J. CHINNICK, Trenton, N. J.

Mention the Florists' Exchange when writing.

PLANTS

For Easter Flowering.

Lilies, Azaleas, Rhododendrons, Geraniums, Heliotrope, Fuchsias, Etc.

Order early before they bloom as the flowers are liable to injury in transportation.

BOSTON FERNS.

N. Exaltata Bostoniensis. Small plants, $5.00 per 100; $40.00 per 1000; not less than 250 at 1000 rate. Large plants, $8.00 to $20.00 per 100.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 8-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsterians, 3½ to 4 inch, $3.00 per doz.
Areca Lutescens, 50c. to $3.00 each.
Latanias, from 75c. to $3.00 each.
Asparagus Plumosus, $1.00 to $1.50 doz.
Asparagus Sprengeri, 3½ in. pots, $1.50 per doz.

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. Connected with Telephone.

Mention the Florists' Exchange when writing.

ASPARAGUS SPRENGERI

2¾ inch, extra strong....$5.00 per 100
3 inch, extra strong.... 7.00 per 100
4 inch, very fine..... 1.75 per doz.
5 inch, very fine..... 2.50 per doz.

PANDANUS UTILIS 2¾ in., heavy, $8 per 100; 3½ in., heavy, $8 per 100

THE CALLA GREENHOUSES, Calla, O.

Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.
1730 CAMBRIDGE ST.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR

Palms and Ferns.

Fine, clean home grown stock; grown cool. Give us a trial order and be CONVINCED.

J. B. HEISS, The Exotic Nurseries, **Dayton, Ohio.**
SEND FOR PRICE LIST.

Mention the Florists' Exchange when writing.

Choice Plants! Low Prices!

All following are in first-rate condition.

CLEMATIS PANICULATA, strong, in flats, 100 Mailed, $1.25.
BEGONIA VERNON, 6 sorts, mixed, in flats, 100 Mailed, $1.25.
PEPEROMIA ARGYREA and **ARIFOLIA,** 100 Mailed, $1.25.
LYGODIUM SCANDENS, climbing fern, 2 inch pots, per 100, $3.00.
PTERIS TREMULA, 2 inch pots, per 100, $3.00.
PTERIS DEWEYANA, new, 1899, 2 inch pots, per dozen, $2.00.
NEPHROLEPIS WASHINGTONIENSIS, new 2 inch pots, 6 mailed, $1.25.
NEPHROLEPIS PHILLIPENSE, 2 inch pots, strong, per 100, $4.00.
GENISTA RACEMOSA, 5 inch, full bushes, full of flower spikes, per dozen, $2.00.
CYPERUS ALTERNIFOLIUS, 4 inch, per 100, $5.00. Carefully Packed. Cash with Order.

JOHN H. LEY, Good Hope, Washington, D.C.

Mention the Florists' Exchange when writing.

LATANIA BORBONICA

4 inch pots..... $2.50 per doz; $20.00 per 100.
5 " ..... 4.75 " 35.00 "
6 " ..... 9.00 " 70.00 "
7 " ..... 1.25 each, and fine specimen plants from $6.00 and upwards.

Areca Lutescens, fine plants from $5.00 upwards.
Kentia Belmoreana and **Forsteriana**—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, well grown, from $2.50 and upwards.
Phœnix reclinata, 4 in. pots, 25c. each, $20 per 100; 5 in. pots, 40c. each, $35.00 per 100; 6 in. pots, 60c. each, $55.00 per 100; 7 in. pots, $1.25 each.
Phœnix Canariensis, Rupicola and **Reclinata,** fine specimen plants, from $3.00 to $5.00 each.
Cocos Weddeliana, from 2 in. pots, $1.50 per doz.
ASPARAGUS SPRENGERI 3 in. pots, $1.00 a doz. 5 in. pots, 25c. each.

JOHN BADER, Troy Hill, **Allegheny, Pa.**
L. D. TELEPHONE 872.

Mention the Florists' Exchange when writing.

Roses, Clematis, Rhododendrons, Etc.

ROSES.

Strong Two Year, Field Grown.

Crimson Rambler, 4 to 5 feet canes, $15. 2d size, 2 to 3 feet canes, $8 per 100.
Yellow Rambler, $8 per 100.
Hybrid Perpetual, in fine assortment $10 per 100.
Wichuraiana, Japan Creeping Rose, $6 per 100.
Wichuraiana Hybrids, 4 varieties, $8 per 100.
Tree Roses, fine heads, $30 per 100.
Liberty, New Red Forcing Rose, from 2½ in. pots, 12 plants at 60c. each; 25 at 50c. each; 50 at 30c. each: 100 at 25c. each.
General Assortment of Everblooming Roses, from 2½ in. pots $3 per 100; $25 per 1000.

CARNATIONS.

Rooted Cuttings.

Mrs. Thomas Lawson, $14 per 100.
The Marquis..... $10 "
Ethel Crocker..... $10 "
Olympia..... $12 "

Rhododendrons. Large stock of best hardy varieties, 15 in. to 2 ft. high, clean, bright foliage and well set with buds, $45 to $150 per 100.

Azalea Mollis. Strong bushy plants well set with flower buds, $35 per 100.

Hydrangea Paniculata Grandiflora. 2½ to 3 feet $10 a 100. Tree form, 4 to 5 ft., $25 a 100.

Fruit and Ornamental Trees, Shrubs, Etc., in large assortment.

THE STORRS & HARRISON CO., - - Painesville, Ohio.

Mention the Florists' Exchange when writing.

FOR SALE.

One Hundred Thousand KENTIAS
2 to 3 leaves, only **$50.00 per 1000.**
Telegraph how many. Great value.
J. AUSTIN SHAW, 271 Broadway, NEW YORK.



PALMS
AND OTHER
DECORATIVE PLANTS
At Greatly Reduced Prices.
Stock large and in fine condition.
Send for new Wholesale list. Special prices on large orders. Send in list of your wants.
W. J. HESSER, Plattsmouth, Neb.

P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS,	AZALEAS,
SPIRÆA JAPONICA,	LILIUM SPECIOSUM
PÆONIES,	BLEEDING HEART
POT GROWN LILACS,	HYDRANGEA IN SORTS.

CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing.



Send for Our List of

Kentias, Latanias, Ficus,

Asparagus, Dracænas, etc. Azalias for immediate sales, assorted colors, from 60 cts. to $2.50 each. Ask for our price list of Perpetuated Palms. Samples sent on request. Address

THE GEO. WITTBOLD CO., Chicago,
1708 N. Halsted Street.

Mention the Florists' Exchange when writing.

1000 Lilium Longiflorum 7 to 9, 6 in. pots, just right for EASTER. Write for prices.
Boston Ferns, ready for shifting, 2½ in., 6 cts; 3 in., 10 cts.; 3½ and 4 in., 18 cts.
Geraniums, Salleroi, Mrs. Taylor, Walnut and Rose, cut back, 2½ cts.
Vinca Major, 2½ in., 2½ cts.
Trailing Lantana, just what you want for vases, baskets, etc., 2½ cts.
Begonias, in variety, 2½ cts.
Gnaphalium, fine for baskets, 2½ cts.
Panicum Variegatum, 2½ cts.
Achyranthes, 2½ cts.
Coleus, Verschaffeltii, Beckwith Gem in variety. R C., 75 cts. per 100.
Ageratum, Tapis blue, dwarf and the best blue to date, 2½ cts. White Cape, dwarf, extra fine white flowers, 2½ cts.
Tradescantia Multicolor, **Double Sweet Alyssum,** 2c. CASH, PLEASE.

A. J. BALDWIN, Newark, Ohio.

Mention the Florists' Exchange when writing.

AZALEAS FOR EASTER

We offer a very fine lot of AZALEAS, comprising the most distinct and best varieties in cultivation, embracing all shades of crimson, white, pink and rose color. They are shapely specimens, well "headed," double and single flowered, and will make splendid plants for Easter decoration. It is almost impossible to ship Azaleas when in bloom and have them arrive in good condition, hence the necessity of procuring them in advance before the buds open.

ORDER EARLY. NOTE THE SIZES.

Prices of Azaleas:	Per doz.	Per 100
10 to 12 inch heads, established plants, in pots	$5 00	$40 00
12 to 14 " " " " "	6 00	50 00
14 to 18 " " " " "	9 00	70 00

Six sold at dozen rates, 25 at 100 rate.

PETER HENDERSON & CO., 35 and 37 Cortlandt St., **NEW YORK.**

Mention the Florists' Exchange when writing.

EASTER AND SPRING, 1900

Orders Filled and Booked Now for the Fall.

RHODODENDRONS $35.00 to $65.00 per 100.
LILACS in all varieties, for forcing, $45.00 per 100.
H. P. ROSES all true to name, $75.00 per 1000; $10.00 per 100.
CRIMSON RAMBLERS extra, $20.00 per 100.
AZALEA Mollis, Pontica, from $35.00 to $45.00 per 100.
PÆONIES in variety, from $10.00 to $15.00 per 100.
SPIRAEA COMPACTA MULTIFLORA $4.00 per 100.
GLADIOLUS All colors, mixed, No. 1, $9.00 per 1000. All colors, mixed, No. 2, $7.50 per 1000. Light and white, $14.00 per 1000.
TUBEROSES, The Pearl 4x6, $6.50 per 1000.
GLOXINIAS ERECTA Extra, $40.00 per 1000.
TUBEROUS ROOTED BEGONIAS—Single, separate varieties, $25.00 per 1000. Double, separate varieties, $40.00 per 1000.

All varieties of **LILIES** on hand.

CYCAS REVOLUTA The true long leaf variety, will arrive in April. Write for special prices to

F. W. O. SCHMITZ, Jersey City, N. J.

Mention the Florists' Exchange when writing.

UNITED STATES EXOTIC NURSERIES

Short Hills, N. J.

Please send cash with order or furnish satisfactory trade references, if not already an account with us.

ADIANTUM CUNEATUM 4 inch pots, $1.75 per doz.; $12.00 per 100.

BOSTON FERNS 2 in. pots, $5.00 per 100; $40 00 per 10 0; 6 in. pots, $9.00 per doz; 8 in. pans, $12.00 per doz.; 8 in., extra strong, $18 00 per doz.; extra fine large specimen plants, $3.00-$5.00 each.

PANDANUS VEITCHII 6 in. pots, $1.50 each; $15.00 per dozen.

SMALL FERNS 2 in. pots, $5.00 a 100; $40.00 per 1000.

FERN SPORES Large pkt. of mixed spores, sufficient for 3000 plants, $1 00 postpaid. Collection of 12 best varieties, each in separate pkt., $5.00 postpaid. Cultural directions with all orders.

KENTIA BELMOREANA Home-grown, 3 inch pots, 25 cts.; 4 in., 50 cts.; 5 in., 75 cts.; 6 in., $1.50; 7 in., $3.00 each.

KENTIA FORSTERIANA 3 inch, 25 cts. each; 4 inch, 40 cts. each.

CYCLAMEN Persicum Giganteum, 3 inch pots, in bud, $8 00 per 100.

EUCHARIS AMAZONICA $12.00 per 100 bulbs.

REX BEGONIAS In variety, 3 in. pots, $1.50 per dozen; $10.00 per 100.

CARNATION CUTTINGS Flora Hill, $1.50 per 100; $10 00 per 1000. Scott, $1.00 per 100; $8.00 per 1000. Jubilee, $2.00 per 100; $15.00 per 1000. Pingree, $1.00 per 100; $8.00 per 1000.

EMERSON C. McFADDEN
U. S. Exotic Nurseries,
Telephone 10 B, Short Hills, N.J. **SHORT HILLS, N. J.**

Mention the Florists' Exchange when writing.

Hardy ferns for cultivation. Try them in your planting, they will thrive and increase in size and beauty where other plants fail. Catalogue of these and other herbaceous perenoials.
Edw. Gillett, Southwick, Mass.

Mention the Florists' Exchange when writing.

FERNS.

A fine assortment for florists use, from 2½ and 3 inch pots. Also

Selaginella Emmeliana, Cyperus Alternifolius, $3.00 per 100.
BABY PRIMROSES, from 3 inch, $4.00 per 100; from 4 inch, stroog, $8.00 per 100.
PELARGONIUMS, 6 best varieties, mixed, from 3 inch, $3.00 per 100.

J. G. EISELE, - Philadelphia, Pa.
20th AND ONTARIO STS.

Mention the Florists' Exchange when writing.

"A Good Thing."

We must have the room, so let FERNS take a drop. Are offering a fine lot of assorted Ferns at $2 per 100 out of 2 and 3 inch pots.

JOHN N. CHAMPION & CO., New Haven, Conn.

Mention the Florists' Exchange when writing.

FERNS!

From 2¼ inch pots.

Cyrtomium Falcatum..... $3.00 per 100.
Pteris Cretica Magnifica..... 3.00 "
Aspidium Tenalmense..... 2.50 "
" " from 3½ in. pots 7.00 "
Cash with order.

L. MENAND, Cemetery Ave., **Albany, N. Y.**

Mention the Florists' Exchange when writing.

SITUATIONS WANTED.

SITUATION by experienced grower and designer, married, would work on shares, New England preferred. North, 9 Summer St., Plymouth, Mass.

SITUATION wanted, as gardener on a private place, 10 years' experience in roses, carnations, 'mums and general greenhouse stock; can furnish best of references. O. J., care Florists' Exchange.

YOUNG man, 25 years of age, wishes situation; experienced in carnations and all general greenhouse stock; sober and obliging, wants steady position. Address O. M., care Florists' Exchange.

SITUATION wanted by young florist and gardener with 10 years' experience in commercial and private places; best of references; private place preferred. Address J. Oleski, 156 18th St., Brooklyn, N. Y.

SITUATION wanted by married man, German, no children, speaks English, has long experience in cut flowers or general stock, also propagating. Address C. B., Post Office, Summit, N. J.

SITUATION, by practical grower of palms, ferns, cut flowers, etc., on private or commercial place, married man, no children, reference as to character and ability. Address O. D., Florists' Exchange.

SITUATION wanted by young man, 24, 8 years' experience in roses, carnations, 'mums and general greenhouse stock; good reference, strictly sober, private or commercial, capable of taking charge. Address, O. L., care Florists' Exchange.

SITUATION wanted, gardener and florist, German, married, age 34, two children; sixteen years' experience; capable of taking full charge in a commercial or private place, best of references. A. Hammerle, care P. Henderson, Cortlandt St., N. Y.

SITUATION wanted, as gardener and florist, German, married, age 34, two children, have now a private place, greenhouse 20x60; would change April 10, for good reasons; not afraid of work, would go as assistant to a florist. Address O. C., care Florists' Exchange.

POSITION WANTED.

By German, 18 years' experience in cut flowers and general greenhouse stock. O. H., care Florists' Exchange.

SITUATION WANTED

By married man, German, 32, no children, competent in all branches; 18 years' experience; can take charge. O. E., care Florists' Exchange.

SITUATION WANTED

By grower of roses, carnations, chrysanthemums and general stock; have been in charge of houses several years with one of the largest cut flower growers of the East; best of references. O. N., care Florists' Exchange.

SITUATION WANTED

By reliable man; 15 years in the business; England and America; specialties, roses and carnations; good references; give full particulars with wages. Harry Donnelly, 13 Elmwood Ave., Winchester, Mass.

PROFESSIONAL FLORIST

Gardener wishes position as foreman or manager; up in all greenhouse and outdoor nursery work. Open for engagement April 1st; for reference apply to present employer or A. D. Rose, Montclair, N. J. Address, Jos. Cousens, care A. Cowee, Berlin, N. Y.

HELP WANTED.

WANTED an experienced propagator, must give good reference, $40 per month for first year. Address at once, Greene & Underhill, Watertown, N. Y.

WANTED—Nursery foreman; permanent position for a man experienced in nursery business; state age, experience and salary required. V. A., Vanicek Nurseries, Newport, R. I.

WANTED at once, a good all-around florist, capable of taking charge where carnations, violets, and general stock are raised; single, middle-aged man prefered. Address N. M. Comly, Bustleton, Phila.

WANTED, a good, honest, industrious all-around man for greenhouse work; must be willing and obliging, not afraid of work and strictly sober; wages $10 per week. Address O. G., care Florists' Exchange.

WANTED, a young man with some experience at greenhouse work, as assistant on a commercial place; state experience, age, and wages expected. Mrs. Flora T. Howell, Pine Bush, Orange County, N. Y.

WANTED a single man for general greenhouse work, wages $18 per month and board to start; permanent place; must be sober and a good worker. Answer, stating nationality, age and experience, to M. F., care Florists' Exchange.

YOUNG man wanted with some experience in growing carnation and bedding plants, good propagator, willing worker one who can milk, state experience, references and wages wanted with board. Chas. J. Bell, Hollis, N. H.

WANTED an experienced and competent working nursery foreman; also an expert packer; must be hustlers and strictly temperate; none of here need apply; state experience, etc. Address P. O. Box 400, Bar Harbor, Me.

HELP WANTED.

WANTED at once, an experienced man who understands the growing of general greenhouse stock; must have experience in making up designs; one who is honest, temperate and willing to work; none need apply except those who can fill the position; opportunity is given to lease the place; in writing state wages and reference. Address Geo. W. Fetzer, 432 North 11th St., Allentown, Pa.

WANTED.

Florist and Gardener for small place; single man preferred. For particulars address Florist, Augusta, Me.

WANTED.

A good all-around, quick worker as foreman, single, for ferns, palms, chrysanthemums, carnations and general potted plants, &c. E. A. Montgomery, Erdman Ave., Baltimore, Md.

WANTED IMMEDIATELY.

If in your vicinity there be a private gardener or a grower you can earn money easily selling Tobacco Dust and Tobacco Whale Oil Soap. Write for particulars. H. A. Stoothoff, 116 West St., N. Y. City.

WANTED AT ONCE.

A man to assist in growing roses, carnations, violets, chrysanthemums, palms and all bedding plants; recommendations required; young man preferred; nine to ten dollars ($9 to $10) per week without board. Address, John Ralph, Florist, Saratoga Springs, N. Y.

MISCELLANEOUS WANTS.

WANTED at once or April 1st, a large quantity of sand or soil rooted, Marie Louise Violet cuttings, must be clean and healthy. Address lowest cash price to O. F., care Florists' Exchange.

WANTED—Nursery stock, 250 White Spruce, 3-3½ transplanted; 100 White Pine, 5-6 ft.; 200 Spiraea Rotundifolia, 3 ft.; 100 Spiraea Arguta, 3 ft.; 100 Galium Boreale. V. A. Vanicek Nurseries, Newport, R. I.

Wanted Large Geraniums.

Four dozen Mrs. Nutt or Lord Chancellor, in 7 or 8 inch pots; must be short and stocky with good number of growths. State price. W. G. Richardson, Tecumseh Greenhouses, Bennington, Vt.

BUSINESS OPPORTUNITIES.

FOR LEASE or SALE, 7 greenhouses, suitable wholesale grower, $10.00 per month, or sale cheap; possession May 15th. Unreliable persons without cash or good security don't answer. Box 127, Westminster, Md.

IF YOU have $500 you can double it in one minute by buying my greenhouse; 5 000 feet glass; free fuel; great chance; flowers or vegetables; bargain; account sickness. N. V., care Florists' Exchange.

TO LET; four acres, house, barn, etc.; soil particularly adapted for growing violets; fine plants can now be seen under cultivation; plants and frames can be bought. Address Box 45, Larchmont, N. Y.

FOR RENT. Four iron-frame rosehouses, 100x18 ft., 6 in., glazed, 16x24 glass, joined to one full spanhouse, 58x18 ft. 6 in., with potting shed; built by Hitchings & Co., and in first-class condition; 30 minutes by train from New York. For particulars address Florist, 5 Park Ave., Paterson, N. J.

FOR SALE on easy terms, 3 Greenhouses, one built by Hitchings, 26x150, one 22x150; carnation Houses; one Violet House, 15x135; one acre of land and dwelling on premises, opposite depot; all in good order, in the village of Patchogue, of 5000 inhabitants. John S. Parks, Box 242, Patchogue.

TO LET or lease, Hollis, L. I., ten minutes' walk from station, two greenhouses, 20 x 100 ft; one additional, 15 x 75, with potting house and two acres or more of ground; no dwelling; rented at $400 per annum. Inquire for Nestledown Greenhouse, at Hollis, or at 124 E. 27th St., New York.

TO LEASE.—12 greenhouses, about 60,000 feet of glass, within 50 miles of New York City, filled with palms, roses, carnations and other miscellaneous stock; business established 17 years and will be leased to responsible party from April 1st, stock to be sold on inventory. Address John Young, 51 West 28th Street, New York.

FOR SALE AT LOW PRICE.

Property on East 24th Street, near Avenue E, Bayonne City, New Jersey, 100 ft. by 146 ft., on which are the following buildings: One two-story dwelling house, one stable, four full-span wooden greenhouses, each 10 ft. by 80 ft., connected to a potting shed 15 ft. by 40 ft.; one iron greenhouse, 12 ft. by 110 ft., and one iron greenhouse, 20 ft. by 80 ft., built by Thos. W. Weathered's Sons; all heated by hot water, with one No. 17 Corrugated and one No. 4 Hitchings Conical Boilers, and one Weathered No. 6 Improved Double Dome Boiler. Thos. W. Weathered, 103 Taylor Street, Brooklyn, N. Y.



Chicago.—The regular bowling club lately has not been doing much, but George Stollery in the Summerdale team is keeping his end up. He is second high man in the North Shore League of eight clubs, has played 24 games, 201 high score; total 4,002, with an average of 166 18-22.

New York.—The winning of the late tournament seems to have had a cheering effect on the New York boys, and to have given an added zest to the sport. Monday afternoon the alleys were crowded, and when treasurer A. S. Burns, seated at the table in the corner, notified the members that monthly dues would be received, the members almost fell over each other while trying to see who would be first to respond. The following scores were recorded, but the boys can do better than this when rolling a match.

	1	2	3
Siebrecht	153	113	123
T. Lang	139	134	137
Hafner	104	112	173
Manda	..	131	137
Schultheis	..	110	116
Sheridan	..	91	98
J. Lang	101	95	93
Burns	..	..	129
Thielman	150	132	142
Traendly	133	186	154
Marshall	..	119	136
Moody	114	91	..
Shaw	127	119	..
Bunyard	..	111	89
Stewart	..	117	109
Doulan	..	145	144
Atkins	..	96	91
Batterfield	..	..	110

St. Louis.—Mr. Beneke announces that the Chicago Club's challenge will be accepted, but can set no date at present, probably the latter part of this month. Any local florist, bowler or not, is invited to join the party. Particulars can be had from Mr. Beneke or Mr. Kunz.

Following are the scores for March 11:

	1	2	3	4
C. A. Keuhn	192	156	155	179
J. W. Kunz	146	117	137	162
F. J. Fillmore	125	121	119	165
J. J. Beneke	149	204	153	162
C. C. Sanders	177	191	158	129
F. C. Weber	154	146	108	140
John Young	..	111	166	92

Knoxville, Tenn.

The florists here have had a very heavy trade all through the Winter, and the supply has fallen short of the demand. The deaths of some prominent society people have called for a great many flowers. Set pieces are still the favorites here, although a great many flat bouquets are used. Easter lilies will be scarce, as many were badly injured by the hard freeze early in the year.

Charles Baum has made himself a new double manifold coil boiler which heats his whole plant. It has proved highly satisfactory and he can burn either wood or coal in it. He is a carnation enthusiast and has some very fine seedlings which he is thoroughly testing.

H. Y.

BUSINESS OPPORTUNITIES.

FOR SALE, at Contentment Island, Darien, Conn. Two greenhouses, one 175 feet long, erected last summer at a cost of over $3000; apparatus capable of heating four more houses; water supplied by new hot air engine; nearly eight acres of most fertile land, much of it well planted in fruit trees and small fruits; barn, horse, wagon, etc. Death of owner cause of selling. Terms $6000, part cash. For full particulars, address H. E. Ferris, Administrator, South Norwalk, Conn.

MISCELLANEOUS.

STEAM and hot water boiler for sale, as good as new; has been used less than one winter; good reason for selling. For price, etc., address Hopp & Lemke, Paul P. O., E. Grand Rapids Mich.

GLASS.

A large quantity of 7x9 glass for sale cheap. Robt. Williamson, New Durham, N. J.

COUNTERS, FOR SALE,

Ice boxes and fixtures suitable for florist business. Alex. J. Guttman, 36 West 29th Street, New York.

Montreal.

Trade Notes.

The weather during the past week has been much brighter, and consequently the supply of flowers has increased. Trade still remains very quiet, but there has been a large quantity of funeral work. The stores were all closed Monday and the city *en fete* over the visit of the 500 soldiers from the wild and woolly West, known as the Strathcona Horse. We were all very proud of this, our Honorary President's latest gift to the Empire. The floral decorations at the banquet in the evening, in the Windsor Hall, under the supervision of City Gardener Pinoteau, were highly artistic.

The Fire at Mr. Bain's.

In the light of farther particulars it is found that Mr. Bain's establishment is hardly as completely destroyed as was at first supposed. Two more of the houses, making three in all, were damaged by smoke only. As each had a separate hot-water system the frost got no chance to complete the devastation. Mr. Bain considers this a practical illustration of the superiority of independent hot-water heating, of which he is such an ardent advocate. Had the houses been heated from one common center, the ruin would have been complete. In Easter stock Mr. Bain lost over 700 lilies, 1,000 azaleas, the whole of his very large supply of spiraea and lilacs, with a great deal in other lines; also all his immense stock of bedding plants, and the whole of his palms and ferns. Two fine elevated water tanks, steam pumping plant and wind pumping apparatus are also lost. There is a small insurance on both houses and stock, but insignificant in comparison with the losses.

Club News.

The features of the meeting Monday evening were the superb plants and flowers on exhibition, of which Mr. McHugh's cyclamen was the center. A white variety, in a 7-inch pot, with a crown of immense flowers on stiff stems about one foot in length, the flowers touching each other, measured 4 feet 6 inches in circumference. The plant, a three-year-old bulb, bore 130 fully developed blooms, 60 more having been removed early in the day that were showing signs of age. Mr. McHugh was awarded a certificate of merit for the specimen, being the second lately awarded this gentleman for cyclamen. The paper on the subject read before the club by Mr. McHugh was of a very practical nature.

A splendid plant of bougainvillea, grown by Joseph Bennett, was much admired, as was also a lot of new geraniums exhibited by Mr. Robinson, the president.

A splendid compliment to the energy of the Toronto Club was the vase of new carnations and Liberty rose, brought from the carnation show held by that organization by Messrs. McKenna and Bennett who were enthusiastic in its praise. Of the carnations The Marquis was perhaps the most admired.

It is said that no plants of the Liberty rose can be imported into Canada, as there is an embargo, on account of the San José scale.

I would remind our enterprising importers that perseverance has been known to bring even custom officials to reasonable conclusions. It is such a pity that this gem should be debarred from Canada.

B.

BOOKS RECEIVED.

PRINCIPLES OF PLANT CULTURE. By Professor E. S. Goff, University of Wisconsin, Madison, Wis. Published by the author.

While intended as a text book, and extensively used as such in our agricultural schools, this work, of which a new and revised edition has just been issued, from its exceeding practical nature, will be found of immense service to the general reader. The author has given a clear and comprehensive history of all relating to plant life, from the germinating of the seed to the maturing of the plant. The effects of cold and heat on plant life are fully explained, also feeding, watering, etc.; thoroughly lucid reasons are afforded why the plant requires certain elements to perfect itself, and how they can be obtained. Propagating, budding, grafting and potting are all dealt with in a masterful manner, and the operations rendered clear by numerous illustrations. The book will prove instructive to all interested in plant life, and should be in the library of every florist. It can be obtained from the FLORISTS' EXCHANGE. Price $1.

New York Market-Florists Association

CLINTON MARKET,
Canal and Spring Streets,
NEW YORK.

Market Opens March 24,

FOR THE SALE OF
Pot Plants, Bedding Stock, Vegetable Plants and General Greenhouse Products.

Mention the Florists' Exchange when writing.

BEGONIA CALEDONIA

The White Lorraine.

We are now booking orders for Fall Delivery.

Plants from 3 1-2 in. Pots, $5.00 Each.

R. & J. FARQUHAR & CO.,
16 & 19 S. Market St., Boston, Mass.

Mention the Florists' Exchange when writing.



Semple's Aster

Choicest Home-Grown Seed, in white, shell-pink and lavender,
¼ oz., 25c.; oz., $1.00.
Catalogue on application, of leading flower and vegetable seeds for florists and market-gardeners.
W. C. BECKERT, Allegheny, Pa.

Mention the Florists' Exchange when writing.

PALM SEEDS

FRESH ON HAND.

	100	1000	3000
Phœnix Tenuis	$0.75	$5.00	$13.50
" Pumila	1.00	8.00	22.50
Pandanus Utilis	1.25	10.00	27.50
Asparagus Plum. Nanus, true	1.25	9.00	26.50
" Sprengeri	.75	6.50	18.00

L. J. SCHILLER, 404 E. 34th Street, New York.

Mention the Florists' Exchange when writing.

ROSES From 5 inch pots, 9c. Fine clean plants; Gen'l Jacqueminot, La France, Clothilde Soupert, Malmaison, Coquette des Blanches, Coquette des Alpes.
Large Flowered Clematis, purple and white sorts, fine 2 year plants, from 5 in. pots or dormant, 18c. Some extra strong 3 year plants, dormant, at 33c. Also fine 1 year dormant plants, at moderate price.
Hydrangea, P. G., extra fine, 3 ft., bushy, at 8c.; 2 ft., bushy, at 6c. PACKING FREE.
W. H SALTER, - - ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

AZALEAS

Blooming Plants for Easter.

	Per doz.
Large and shapely, 14 to 16 in.	$9 00
LILIES, Harrisii.....10c. per bud.	
GENISTAS, 5 in.	3 00
" 4 in.	2 00
CINERARIAS, 5 in.	1 50
HYDRANGEAS, in large bud, 5 in.	3 00
" 4 in.	2 00
CRIMSON RAMBLER ROSES	9 00
GERANIUMS, bushy plants, Nutt, Grant, Hill, La Favorite; all the above in large bud for Easter.....$6.00 per 100	
PANSIES.....50c. per 100; $3.50 per 1000	

WHITTON & SONS, Wholesale Florists,
CITY AND GREEN STS., UTICA, N. Y.

Mention the Florists' Exchange when writing.

Special Spring Edition

MARCH 31st.

FOR EASTER

		Doz.	100
AZALEA INDICA	Well-budded, very fine plants, 12-14 in. crown, white, rose, red, etc.	$6.00	$50.00
JAPAN FERN BALLS	Not too late to start. 8-10 in.	each, 75c.;	9.00 60.00
	Due, 7-8 in.	" 50c.;	5.00 35.00
	" 6-7 in.	" 40c.;	4.00 30.00
FERN WREATHS	Made of same Fern, Davallia, extra fine, hang up same as balls, very showy. 8-9 in. diam., ea., 40c.; doz., $4. 10-12 in diam., ea., 60c.; doz., $6. **Order quick.**		

BULBS—SOUND, PLUMP.

Japan Importation. All these are very SCARCE this Season.

		Doz.	100
Lilium Auratum,	8-9 in.	$0.60	$4.50
" "	9-11 in.	1.00	7.00
" Rubrum,	6-8 in.	.40	2.50
" "	8-9 in.	.60	4.00
" "	9-11 in.	.85	6.00
" "	Monster	1.00	7.50
" Album,	8-9 in.	.75	5.50
" "	9-11 in.	1.00	7.00

		Doz.	100
Lilium Melpomene,	8-9 in.	$0.75	$5.00
" "	9-10 in.	.85	6.50

FINE FOR CUT FLOWERS—

Lilium Batemanni, salmon color	.50	3.50
" Coridion and Concolor	.40	2.50
Hemerocallis Aurantica Major	1.50	10.00
Iris Kempferi, 50 sorts	1.00	7.50

BEGONIAS, TUBEROUS ROOTED Finest Belgian and English strain, 1¼-2 in.—

	Doz.	100	1000
Single, in 5 separate colors	$0.40	$2.50	$20.00
Double, in 5 separate colors, 1-2 in.	.65	5.00	45.00

GLOXINIAS Choicest sorts, mixed, 1-2½ inch. .45 3.00 25.00
TUBEROUS EXCELSIOR PEARL .20 1.00 6.50
GLADIOLI A mixture of very choice kinds, mostly light, many white, bulbs 1¼-1½ in. .15 .75 6.50
Some large bulbs, 1½-2 in. .25 1.00 8.50
CANNAS Favorite sorts, at $2.00, $3.00 and $4.00 per 100. **Send for List.**
CALADIUM **Esculentum**, 5-7 in., 40c. per doz.; $2.50 per 100. 7-9 in., 60c. per doz.; $4.00 per 100. 9-11 in., 80c. per doz.; $6.00 per 100. **Fancy leaved**, 1-2 in., $1 per doz.; $8 per 100.

SEEDS.

	Doz.	100	1000	5000
Asparagus Plumosus Nanus	$0.15	$1.00	$8.50	$40.00
" Sprengeri	.10	.60	5.00	20.00
Cocos Weddeliana	.15	.90	8.50	30.00
Latania Borbonica	.30	2.25	10.00	
Kentia Belmoreana, or Forsteriana	.10	.60	4.50	

SWEET PEA SEED All standard sorts, lb., 30c.; 10 lbs., $2 50
Eckford's Choicest Hybrid Mixed, lb., 25c.; 10 lbs., $2.00

CINERARIA, PRIMULA, PANSY, READY. Send for List.

Cycas Revoluta, due shortly. Send for prices. Small stock scarce. Don't get left. We give prices and take orders now for **Lilium Harrisii, Romans, Narcissus, Japan Longiflorums, Freesias, Callas, Etc.**

Write us. No trouble to give any information desired.

H. H. BERGER & CO., 47 Barclay St., NEW YORK.

Mention the Florists' Exchange when writing.

YELLOW PRIMULA.

HALF OF THE STOCK FOR SALE.

I offer for sale half of the stock of my well known Yellow Primula (Cowslip), good money maker, only one of its color in the country; can be seen in the leading stores and at wholesale store, 53 West 28th St., New York. About 1000 clumps to be sold to one party, ready about May 1. Price $300.

L. USSING, 53 W. 28th St., New York.
Greenhouses, Cranford, N. J.

Mention the Florists' Exchange when writing.



Palmetto Leaves.

Green, for decorating, all with **Long Stems.** Medium $4.00 and large $5.00 per 1000. Packing free. Low freight rates. Cash with order. Largest and most experienced shippers.

Florida Natural Products Co.,
Box 327,
ORLANDO, FLA.

Mention the Florists' Exchange when writing.

Crimson Rambler

	Per 100
3 to 4 feet	$15 00
4 to 6 feet	20 00
Pink, White, Yellow Rambler	15 00
Crimson Rambler, Standard	35 00
H. P. Roses, best varieties	10 00
Phlox, Paniculata, 50 best varieties, field grown	8 00
Anemone Japonica, Rosea Elegans, Whirlwind, Joubert	8 00

	Per 100
Clematis, Jackmanni, Henryi, Sieboldi, Duchess of Edinburgh, Ramona, etc.	20 00
$3.00 per doz. Strong 3-year-old stock.	
Clematis Paniculata, 3-year-old	8 00
California Privet	Per 1000
15 to 18 inch	$15 00
18 to 24 inch	20 00
2 to 3 feet	25 00
3 to 4 feet	35 00

Write for prices on Rhododendrons, Magnolia, Azaleas, Ghent and Mollis, Tuberous Begonias, Gloxinias and other Spring stock.

BOBBINK & ATKINS, Rutherford, N. J.

Mention the Florists' Exchange when writing.

SPECIAL

ARE YOU LOOKING FOR CASH BARGAINS?

Here Is One of Them!

To close out I offer a few barrels

EXCELSIOR DWARF PEARL TUBEROSES

4¼ to 6 inches in circumference.

THE LARGEST EVER OFFERED TO THE TRADE.

At $6.00 per 1000, in quantity not less than 1000. Terms, cash with order.

ROSES, TREE ROSES, CRIMSON RAMBLERS, AZALEAS, CLEMATIS' RHODODENDRONS, and other ORNAMENTAL PLANTS, from the

Boskoop Holland Nursery Association

Now on hand and arriving.

Also SPRING FLOWERING BULBS, CANNAS, GLADIOLUS, DAHLIAS, PÆONIAS, ETC. Send for Price List.

C. H. JOOSTEN, Importer, 85 Dey St., NEW YORK.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR EASTER PLANTS

Blooming Easter week!

Time is money! Lose no time! Order your supply now!



I have an immense stock of the choicest in the market. You would be astonished if you could have a peep into seven large greenhouses which are crammed full, and devoted to the cultivation of Easter plants alone, and therefore I will be prepared to fill all orders, if ordered in time, as far as the supply will reach.

AZALEA INDICA I am a very large importer of this choice Easter plant. I have erected two new houses, 20x100, for the cultivation of them alone. These Azaleas were selected by myself last fall, on my trip to Ghent (Belgium), and as I am Agent for a large concern in Belgium, it gives you a chance to buy your goods first hand and not through middleman.

I can offer you plants in bloom or in buds, blooming Easter week. **6 inch pots, 50c., 75c., and some for $1.00.** Most of them are Mme. Vander Cruysen, and some other choice varieties, which will be selected by myself.

SPIRÆA, Compacta and Floribunda, fine bushy plants, my own importation, a perfect gem, **$3.00 per doz. Specimen Plants, $4.00 per doz.**
HYDRANGEAS (Pink), 6 inch pots, bushy plants, **$3.00 to $5.00 per doz.**
CINERARIA Hybrida, choice colors, **$2.50 to $3.00 per doz.** In bloom now or at Easter. I have a house full of them.
BEGONIAS, President Carnot, 6 inch pots, **$3.00 per doz.**
Vernons, 4 inch pots, **$1.20 per doz.**
DAISIES (White), **Marguerite**, 5 inch pots, **$2.00 per doz.** 4 inch pots, **$1.00 per doz.**
CYPERUS (Umbrella Plants), very fine bushy plants, 4 inch pots, **$1 per doz.**
HYACINTHS, 4 inch pots, best varieties (of my own importation), **$10.00 per 100.**
TOURNESOL TULIPS, three in a pot (double red and yellow striped), beautiful, sells at first sight, **$1.50 per dozen pots.**
DAFFODILS, Von Sion, three in 5 inch pot, **$1.50 per dozen pots.**
LILIUM HARRISII, 6 inch pots, nice foliage (bulbs 7x9), 5 to 8 buds on a plant, **10c. per bud.**
No Lilies sold by themselves; other Plants must accompany them.
CHEIRANTHUS (Wallflower), 5 inch pots, in bud, **$2.00 per doz.**

Buyers visiting Philadelphia are respectfully invited to call at my place and examine my stock before buying elsewhere. Only 25 minutes' ride from City Hall.

Take 13th Street Car to Rising Sun Avenue and walk two squares east; also Germantown Car at 8th and Market Streets (North) to Ontario Street and walk one square east.

Cash with order, please. Money can be sent safe by Express, Postal Money Order, Registered Letter, or Drafts on Philadelphia Banks. Goods shipped at purchaser's risk.

GODFREY ASCHMANN, 1012 Ontario Street, Rising Sun, Philadelphia, Pa.
IMPORTER AND WHOLESALE GROWER OF POT PLANTS.

PLEASE NOTICE TESTIMONIAL BELOW:

"Mr. G. Aschmann has very fine healthy Azaleas, Hydrangeas, Easter Lilies, Spiræas, Tulips, Hyacinths and other plants in bloom and bud. We can very highly recommend our customers to Mr. Aschmann for fair, reliable, business treatment."
Philadelphia, March 6, 1900. HENRY F. MICHELL, 1018 Market Street.

Mention the Florists' Exchange when writing.

FLORISTS' ORCHIDS { **SANDER** ST. ALBANS, ENGLAND AND BRUGES, BELGIUM.

The largest and finest stock in the world.

A. DIMMOCK, our representative, is now in the U. S. and will be pleased to reply to any communications addressed to **60 Vesey Street, New York.** Lists on application.

Mention the Florists' Exchange when writing.

ORCHIDS

We are headquarters in the United States for established and imported Orchids.
Our new price list for 1900 is now ready.

Cherry Wood Baskets, Fresh Moss and Peat.

LAGER & HURRELL,
Correspondence Solicited. SUMMIT, N. J.

Mention the Florists' Exchange when writing.

White ORCHID BLOOMS & OTHER CHOICE FORMS

WE deal in all Orchid growing Supplies: **Plants, Pans, Baskets, Peat, Special Fertilizer and Manual of Culture.** Circulars sent on request. WILLOWMEAD GARDENS, East Orange, N. J.

Mention the Florists' Exchange when writing.

SCHMIDT'S PANSIES Have no Equal.

Comprising the cream of all the Leading Strains. Large, stocky plants, 50 cents per 100; $3.00 per 1000; 10,000 for $25.00.

DAISIES (Bellis), strong plants of the largest double varieties, Longfellow and Snowball, 40 cts. per 100; $2.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

PANSY PLANTS

Of my largest flowering mixture of **Show Varieties,** unsurpassed quality.
Large, stocky plants, $3 00 per 1000.
Fine, bushy plants in bud and bloom, $1.00 per 100; $8.00 per 1000. 500 at 1000 rate.

GUSTAV PITZONKA, Bristol, Pa.

Mention the Florists' Exchange when writing.

PANSIES

Roemer's Superb Prize Pansies, extra large, transplanted plants, from cold frames, in bud, mixed colors.
$1 50 per 100; $12.00 per 1000.
Seedlings, fine stocky plants, from fall cold frames, 60c. per 100; $3 per 1000. Cash with order.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

Pansies Worth Raising

Good Plants, $4.00 per 1000; $2.50 per 500.

Extra Large Transplanted Plants in bloom, as good as in spring, $2.50 per 100.

☞ F. O. B. Express here. Cash with order.

C. SOLTAU & CO., 199 Cranl Ave., Jersey City, N. J

Mention the Florists' Exchange when writing.

PANSIES

The Jennings Strain. 200,000 fine, stocky plants, from cold frames, varieties the finest, many are curled and fringed. 100 plants by mail, 60 cts.; 1000 plants by express, $3.50; extra fine Pansy blooms, by mail, 50c. per 100.
Pansy Seed of above, $1.00 per pkt.; $5.00 per oz. Samples sent for 10 cts. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn.
Grower of THE FINEST PANSIES.

Mention the Florists' Exchange when writing.

Pansy Plants in Flower

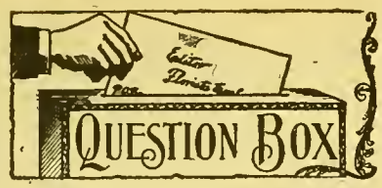
GIANT MIXED,

For the New York Market, $3.00 per 100.
Cash with order.
Special Prices on Large Quantities.

FINE, LARGE BLOOMS, SURE SELLERS.

JOHN LAPPE,
Junlper Avenue, between Metropolitan Ave. and Grand St.
Telephone 13—I. **MASPETH, N. Y.**
The Largest Pansy Grower in America.

Mention the Florists' Exchange when writing.



(62) **Chrysanthemums Grown to Single Flower.**—To grow chrysanthemums for single blooms, root the cuttings in April or May, plant in the benches in June. The young plants should be in rows 8 or 10 inches apart with 14 inches between the rows.

(63) **Heat for Violets.**—For growing violets in a house of the size mentioned (10x30 feet, even span, 3x6 sash, running north and south), a straight flue the full length of the house will give all the heat required, and no return flue is necessary.

(64) **Malformed Rose Buds.**—The roses sent for examination show a good stem and foliage, but the flower is deformed and has a wilted appearance. This has no doubt been caused by the temperature of the house going down too low when the buds were about ready to unfold.

(65) **Trouble with Chrysanthemum Leaves.**—We fail to find any insects on the leaves submitted. There were some indications that thrip had been at work, but had been destroyed by the rose-leaf extract. Perhaps the reason the foliage has been burned, was owing to the solution being used too strong. We would recommend that it be diluted more.

(66) **Wood Lice in Mushroom House.**—We do not know of any insecticide that will exterminate wood lice; these thick-skinned creatures are not easily disposed of when once they have obtained a foot-hold, especially in a mushroom house. We find that the best remedy is to keep the house clear of any harboring places for them. Have every part of it thoroughly cleaned; all old woodwork, if decayed, replaced with new, and the same kept clean by being whitewashed with hot lime. Clean under the benches also; do not allow a crumb of filth of any description to accumulate. Constant and thorough cleaning is the best up-to-date remedy for keeping wood lice down.

(67) **Germinating Palm Seed.**—To germinate palm seed a temperature of 70 degrees will be found the most satisfactory, though they will germinate in a lower one, but are much slower. Sow the seeds in flats using leaf soil and sand. Place the flats under a bench where the heating pipes are run, and keep them moist. Be sure that the seeds never once become dry after being sown. When the seeds begin to germinate, pot them and place upon the bench in an ordinary greenhouse temperature. It is well, in raising palms from seed, to bear in mind that those grown in a cool house make much finer plants than when grown in a too warm house. By a cool palm house we mean one where the night temperature runs between 58 and 60 degrees.

(68) **Syringing, and Scale on Palms.**—How often should I syringe my palms in the Winter? The water is very cold, often 32 degrees. The plants are all very crowded, almost pot on pot. Some latanias are affected with scale. How shall I get rid of it, and what is the cause of it? The houses are all moist and kept cool.—SUBSCRIBER.

—Palms that are grown with a night temperature of 58 degrees or over, with a corresponding raise through the day time, should have a syringing every morning unless the weather is dark and cloudy. If the palms are kept in a cooler house, then syringing every day would be unnecessary—once or twice a week would be sufficient. Water at 32 degrees is too cold; this can be avoided by having a tank or barrel in the greenhouse, and if kept full, the water would be of the same temperature as the greenhouse, or nearly so. Of course, a hand syringe would have to be used. The scale mentioned is probably the common brown scale and must be washed off. There are many insecticides advertised in the FLORISTS' EXCHANGE. Procure one of these, and, with the help of a sponge, the scales can easily be eradicated.

Easter Advertising.

Dan'l B. Long, Buffalo, N. Y., sends us a very appropriate line of folding and other cards, designed especially for Easter advertising purposes. Advertising is always effective when the proper material is used, and Mr. Long appears to have it.

YELLOW COLEUS (Good variety). 2 inch, $1.50 per 100.
PETUNIAS, DOUBLE FRINGED 2 inch, $2.00 per 100.

E. I. RAWLINGS, - Quakertown, Pa.

Mention the Florists' Exchange when writing.

Rooted Cuttings **COLEUS**—Verschaffelti Golden Queen, Mixed **Heliotrope, Double Petunias, Salvia,** etc.; **Alternanthera**—four kinds. USUAL PRICES.
L. H. FOSTER, 45 KING STREET, **Dorchester Mass.**

Mention the Florists' Exchange when writing.

SMILAX.

From flats, by mail, 50 cts. per 100; $4.00 per 1000. From 2 in. pots, $1.50 per 100; $13.00 per 1000.

CANNA, large-flowering, mixed, $1.00 per 100.

FRED BOERNER, Cape May City, N. J.

Mention the Florists' Exchange when writing.

MAMMOTH VERBENAS, Mammoth Verbenas large rooted plants, 60c. per 100; $4.50 per 1000. **Cyclmen,** 3 in., $5.00 per 100; 4 in. in bloom, $1.25 per doz. **White Stocks** for Easter, 2 in., $1 50 per 100. Rooted cuttings, d'bl and s'gle **Petunia,** $1.00 per 100. **Dwarf Lobelia,** $1.00 per 100. **SAMUEL WHITTON, 15-17 Gray Ave., Utica, N. Y.**

Mention the Florists' Exchange when writing.

CANNAS C. Henderson and **Austria,** 1c.
Agerntum, Princess Pauline, rooted cuttings, ½c.
Agerntum Plants, 1c.
Verbenas, rooted, ½c., fine stock.
W. B. WOODRUFF, Florist, **Westfield, N. J.**

Mention the Florists' Exchange when writing.

GERANIUMS

Well-rooted cuttings, best varieties, double and single, separate or mixed,
$1.00 per 100; $9.00 per 1000.
A few thousand Queen of West and single Grant left, at the same price. Cash with order.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

CHEAP FOR CASH.

CYCLAMEN GIGANTEUM

Strong, healthy plants, from 2 inch pots, consist'ng of the following varieties: **ATRORUBRUM, MONT BLANC, MAGNIFICA** and **ROSEA,** $4 00 per 100; $35.00 per 1000.

WM. SCHLATTER & SON,
408 Main Street. Springfield, Mass.

Mention the Florists' Exchange when writing.

GERANIUMS

Alphonse Riccard, Poitevine, Pres Dubois, Poirault, J. D. Cabos, Mme. Jaulin, E. G. Hill, L. Fages Chaplin, La Favorite, Nutt, Raspail Imp., John Doyle, etc., 2½ in., $3.00 per 100; $25.00 per 1000.

Stocks, German, Ten-Weeks, white or mixed, 2¼ in., $1 50 per 100. **Cannas,** Mme. Crozy, Charlotte, Paul Marquant, A. Bouvier, Burbank, $1.50 per 100. **Pansy,** Parisian, Bugnot, $3.00 per 1000. **Bellis Perennis,** fl. pl., Mynsotis Victoria, $4 00 per 1000.

Shellroad Greenhouse Co., Grange P. O., Balto., Md.

Mention the Florists' Exchange when writing.

NEW COLEUS Large leaved, in variety, gorgeous colors, grand for foliage beds; **Coronn,** small leaved, compact, fine for any purpose, scarlet with wide gold edge, $1 00; **Red and Yellow,** 60c.; **Fancy,** 50c.
TRANSPLANTED. Bedding **Begonias,** $1.50; **Petunia Veteran,** finest of all dwarfs, $2.00; **S. Fringed, $1.20; Heliotropes** and **Sage,** $1 00; **Verbena,** brightest colors, 60c. All prices are for 100, and by express. Terms cash. Get trade list and details.

DANIEL K. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

Carnations, Scott, McGowan, Daybreak, Alberlini, Armazindy, Jaha's Scarlet, $1.25 a 100; $10 a 1000 **Fuchsias, Heliotrope, Lemon Verbena, Coleus, Double Alyssum, Vinca Variegata** and **English Ivy,** $1.00 per 100. **Strong, Bushy, English Ivies,** 4 feet high, $15.00 per 100. Strong stock plants of **Geranium Mars,** $2 50 per doz. Strong stock, one-year-old plants of **Double** and **Single Grant,** and other good vars. of Geraniums, $15.00 per 100.

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

	Per 100	Per 1000
Salvia Bonfire	80c.	$7.00
German (or Parlor) Ivy	50c.	
Achyranthes	50c.	

PLANTS (3 in. pots).

Salvia Bonfire	$1 50	$12.00
Marguerite Carnation, from seed bed	100, 25c.	
Feverfew, from seed bed	" 25c	
Alyssum, Little Gem, from seed bed	" 25c.	

Satisfaction, or money refunded.

JEROME HARLEY, Media, Del. Co., Pa.

Mention the Florists' Exchange when writing.

Must Have Room for Other Stock

Cinerarias, for Easter, in bud and bloom, 4 in. pots, $5 00 per 100; 5 in. pots, $1 per doz. **Begonias,** in variety, 2 in pots, $2.00 per 100; 3 in. pots, $3 per 100. **Bedding Begonias,** Vernon, 2 in. pots, $2 per 100; 3 in. pots, $3 per 100. **Cyclamen,** in bloom, 4 in. pots, $1 per doz. **Alternanthera,** red and yellow, transplanted, 65c. per 100. **Coleus,** 60c. per 100 Satisfaction guaranteed. Low express rates. Sample, 10c.

J. S. BLOOM, Reigelsville, Pa.

Mention the Florists' Exchange when writing.

FUNKIA LANCIFOLIA GREENLEAFED.

A fine hardy bordering plant. The spikes of Lavender-blue flowers are nice for funeral work, $2 00 per 100; $15.00 per 1000.
EULALIA striated, $2 00 per 100.
PANSIES. $4.00, $10.00 and $12.00 per 1000.
HELIANTHUS MULTIFLORUS PLENUS, $2.00 per 100 strong pieces.
Will exchange for carnations or other stock needed. **W. C. JENNISON, Natick, Mass.**

Mention the Florists' Exchange when writing.

Fine Stocky Plants

	Per 100
ALTERNANTHERAS, yellow, $1.75; red	$2 00
OXALIS FLORIBUNDA, fine for baskets	2 00
COLEUS, mixed vars., 2 in. pots	2 00
GERANIUMS, my selection, 2 and 2½ in. pots	3 00
" " 3 in. pots	4 00
CENTAUREA GYMNOCARPA, 2 in. pots	2 00
DOUBLE PETUNIAS, 2½ in. pots	3 00
CARNATIONS, 5 vars., 2 in pots	3 00
VERBENAS, good vars., 2 in. pots	2 00
PANSY PLANTS, in bud, from cold frame	1 50

CASH, PLEASE.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Mention the Florists' Exchange when writing.

NICE, CLEAN STOCK, A No. 1.

50,000 COLEUS 40 to 60 named, fancy varieties, $1 per 1000, by express; 65 cts. per 100, by mail; Verschaffelti and Golden Crown, $5 per 1000, by express; 75 cts per 100, by mail.
CARNATIONS Cartledge, Wm. Scott, Eldorado, Tidal Wave, Puritan, Kittie Clover, Portia, McGowan, Louisa, Dr. Warder, $10 per 1000; $1.25 per 100. Mary A. Baker, Liberty, Duke of York, $10 per 1000, $5 a 100.
Campbell and California Violets, Giant Double Alyssum. Nice, clean, healthy stock, well rooted, $1 per 100, by mail.

Cash with order, please.

E. J. CLOUD, L. B. 32, **Avondale, Pa.**

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

	100	1000
Coleus, Crimson Verschaffelti, Golden Bedder and Golden Queen	$0.75	$6.00
In variety	.60	5.00
Alternantherns, P. Major and A. Nana, from soil	.60	5 00
Ageratum, blue and white	.60	
" Princess Pauline	.75	
Double Petunias, 30 varieties	1.25	
Ginpt Alyssum	.60	
Heliotropes, 12 varieties	1.00	
" " 2 inch pots	2 00	
Salvia Splendens and **Bedman**	1.00	
Cannas, Austria only, dormant	1.00	
Geraniums, standard bedders, 3 inch pots, our selection	3.00	

Plants by the 100, by mail, prepaid. Cash with order.

C. A HARRIS & CO., DELANSON, N Y

Mention the Florists' Exchange when writing.

GERANIUMS

AMERICA.

50c. each, $5.00 per doz. For sale also by Henry A. Dreer, Cottage Gardens, Henry F. Michell, J. C. Vaughan.

MARS.

2¼ inch, $5.00 per 100.

DRYDEN.

New, finest bedder, 2½ inch, $10.00 per 100.

Set of 15 Novelties, 1899, including one America, $2.00 per set.

Cash Please.

H. EICHHOLZ, Florist,
WAYNESBORO, PA.

Mention the Florists' Exchange when writing.

CYCLAMEN

PERSICUM SPLENDENS GIGANTEUM (No finer strain on the market.) Now ready to ship, a splendid stock of plants in four separate colors. August seedlings, from 2½ in. pots, $5.00 per 100; $40.00 per 1000. October seedlings, from flats, $3.50 per 100; $30.00 per 1000.
CHINESE PRIMROSES (Fringed foliage), single and double, from 2½ in. pots, $2 00 per 100; from 3 in. pots, $4.00 per 100.
PELARGONIUMS Mme. Thibaut, Dr. Masters, Fred Dorner, Victor, Mme. Vibert mixed, from 3½ in. pots, $1.00 per doz.; $8.00 per 100.
CANNAS (Started from sand bed), Florence Vaughan, Queen Charlotte, Alphonse Bouvier, Austria, assorted, $3.50 per 100; $30.00 per 1000.
CARNATIONS Strong plants from soil, Daybreak, Wm. Scott, McGowan, $1.75 per 100; $15.00 per 1000. Frances Joost, Mary Wood, $3 50 per 100; $30.00 a 1000.

All the above warranted A No. 1 Stock.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

SURPLUS STOCK OF GOOD VALUE.

Asparagus Sprengeri, 6 in., 35c., 10 in. baskets, $1.00.

Asparagus Plumosus Nanus, 3 in., $8.00 per 100.

Ipomœa, blue, strong. 2½ in., $3.00 per 100.

Alyssum, double white, strong. 2½ in., $3.00 per 100. Cuttings, 50c. per 100.

Thrinax, variegated, strong. 2½ in., $3.00 per 100.

Violets, California, strong, 3½ in., $3.00 per 100. Runners, $1.00 per 100.

Transplanted Plants, $1 50 per 100 of Stocks, Dbl. White, Mignonette, true Machet, Hollyhock, Dbl. White, Jerusalem Cherry, Ardesia Crenulata.

Carnation Cuttings, strictly clean. Daybreak, $2.00 per 100; Scott, $1.50 per 100: Sandusky, $2.00 per 100; Maude Adams, $2 00 per 100; St. Clair, red, money maker, $2.50 per 100

A. G. FEHR, Belleville, Ill.

Mention the Florists' Exchange when writing.

SPRING PLANTS

Now ready, nice stocky, healthy 2 inch pot plants.

Geraniums, double scarlet, pink, salmon and white.

Mesembryanthemums, variegata.

Lantanas, Verbenas, $2.50 per 100.

Heliotrope, Sweet Alyssum (Giant); **Scarlet Sage, Ageratum,** blue; **Cuphea, China Pinks, Poppies,** hardy; **Lobelia, Vinca,** variegated, **Asters, Coleus, Alternantheras,** in variety, and **Umbrella Plants,** $1.75 per 100.

Roses, in good assortment, well established, from 4 in. pots, $7 per 100; unnamed, $6 per 100.

Cannas, President McKinley, and Cleveland, also a good yellow, well rooted plants, $5 per 100.

Palms, Dracænas, Pandanus, Ferns, and other decorative plants, from 10c. to $3 each.

Nephrolepis Washingtoniensis, Erecta, five strong plants for $1, free by mail. Now is the time to start this grand giant fern.

CASH WITH ORDER, PLEASE.

N. STUDER, Wholesale Grower of Plants, **Anacostia, D. C.**

Mention the Florists' Exchange when writing.

GERANIUMS

A few thousand left in 2½ in. pots at $30.00 per 1000; $3.25 per 100. **S. A. Nutt, La Favorite, Richard Brett, Wilhelm Pfitzer, Mazet Delayas, J. M. Garr, Mrs. E. G. Hill, Wonder, Granville, Rev. Atkinson.**

Mme. Salleroi, Geraniums, in soil, $1.50 per 100; $12.00 per 1000.

Also, **Rose Geranium Cuttings,** $18 00 per 1000; $2.00 per 100.

COLEUS, Crimson Verschaffeltii and Golden Queen, $7.00 per 1000, 75c. per 100; 2 in. pots, $1.50 per 100. Coleus in variety, $5.00 per 1000, 60 cts. per 100; 1¾ in. pots, $1.25 per 100.

AGERATUM, Blue and White, 75c. per 100; 1¾ in. pots, $1.25 per 100. Princess Pauline, $1.00 per 100; 1¾ in. pots, $1.50 per 100.

GIANT ALYSSUM, $1.00 per 100.

SALVIA, Splendens and Bedman, $1.25 per 100; 2 in. pots, $1.75 per 100.

HELIOTROPE, 8 vars., named, $1.00 per 100; 1¾ in. pots, $1.50 per 100.

CUPHEA (Cigar Plant), $1.00 per 100.

FUCHSIAS, $1.50 per 100; 2½ in. pots, $2.50 per 100.

FEVERFEW, $1.50 per 100; $12.00 per 1000; 2 in. pots, $2.00 per 100.

VINCAS, $1.25 per 100; $10.00 per 1000. 4 in. pot, $8.00 per 100; $70 per 1000. Fine plants.

The above are rooted cuttings, except when noted. Cash must accompany all orders.

J. E. FELTHOUSEN, Schenectady, N.Y.

Mention the Florists' Exchange when writing.

Rooted Cuttings

Alternanthera, rooted in August, 50 cts. per 100; $4 00 per 1000.

Salvia Splendens and **Bonfire,** $1.00 per 100; $8.00 per 1000.

Heliotrope, $1.00 per 100; $8.00 per 1000.

Fuchsias, single, $1 per 100; Double, $1.50 per 100.

Feverfew, Dwarf Gem, $1.00 per 100; potted plants, $1.50 per 100.

German Ivy and **Ageratum,** 75 cts. per 100.

Lobelia, dwarf and trailing, $1.00 per 100.

Solanum Jas. Alba, fragrant white flowers all summer, fern for vase, $1.50 per 100.

Paris Daisy Giant, pot plants, $2.00 per 100.

Forget-Me-Not, rooted cuttings, $1.00 per 100; 2 in. pots, $1.50 per 100; 4 in. pots, $5.00 per 100.

Pansies, nice, young stock, 50c. a 100; $2.50 a 1 00. Large plants in bud, $4.00 per 1000.

Cyclamen P. Giganteum Universum, finest strain, $2 00 per 100; $18.00 per 1000.

Rudbeckia, Golden Glow, $3.00 per 100.

Vinca Variegata, $1.00 per 100.

Verbenas, 60 cts. per 100; $5.00 per 1000.

CARNATIONS—Scott and McGowan, $1 per 100; $6.00 per 1000. Daybreak, $1.25 per 100; $10.00 per 1000. Flora Hill, $1.50 per 100; $12.00 per 1000. Bon Ton, $2.00 per 100. Gomez, 60 cts. per doz.; $4.00 per 1000. Joost, $2 50 per 100.

Cash with order.

All rooted cuttings quoted by the 100 sent by mail.

ORANGE FLORAL CO., West Orange, N. J.

Mention the Florists' Exchange when writing.

HEALTHY STOCK. No Better on the Market.

Carnations, McGowan, Scott, Portia XX, 75c. per 100, $6.00 per 1000; express prepaid on 1000 lots. Flora Hill, Jubilee, Meteor, Rose Queen, $1.25 per 100.

Violets Furquhar, large double, strong, $1 per 100.

Cannas, best varieties, $1.50 per 100; $10.00 per 1000.

Ageratum, Princess Pauline, 50c. per 100.

Red Alternanthera, 50c. per 100.

Cyclamen giganteum, 2½ in., $2.50 per 100.

Primula Obconica, in bloom, $2.50 per 100.

Cinerarias, ex. strong, 4-in. $1.00 per doz; $6.00 per 100

RICHARD INSALL, Lock Box 514, West Moorestown, N.J.

Mention the Florists' Exchange when writing.

300,000 VERBENAS

60 finest named varieties, including our new **MAMMOTH WHITE MRS. McKINLEY.** The finest white Verbena grown.

Perfectly healthy. Free from rust.

Rooted cuttings, 60 cts. per 100; $5.00 per 1000. Plants, $2 50 per 100; $20.00 per 1000.

Our list is the choice from millions of seedlings

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

CANNAS

The THREE BEST Solid Red CANNAS: BLACK PRINCE, $10 00 per 100; PHILADELPHIA, $4.00 a 100; DUKE OF MARLBOROUGH, $4.00 a 100.

BOSTON FERN Strong, 2½ inch, $5.00 per 100. | **CRIMSON RAMBLER** 3½ to 4 ft., $15 per 100.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

VINCA MAJOR VARIEGATA

Strong plants, from 2¼ inch pots, ready for a shift,

$3.00 per 100; $25.00 per 1000.

NATHAN SMITH & SON, = = **Adrian, Mich.**

Mention the Florists' Exchange when writing.

100,000 CUTTINGS.

For Further Particulars, see our Ad., Page 253, March 10, 1900.

Write us your wants, we can supply them.

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

XXX STOCK

GERANIUMS. The finest single and double, extra strong plants, out of 3½ inch pots, named or mixed, **$3.50 per 100.**

FUCHSIA, Madame Bruant. New giant double purple, the finest and most free of all the purples, $3.50 per 100.

FUCHSIA, Madame Carnot. New giant double white; mammoth; the finest and most free of all double whites, $3.50 per 100.

Read what The Exchange says of these Giant Fuchsias, Nov. 18, 1899, page 1156.

CHINESE PRIMROSE seed. Finest large fringed, single and double, 500 seeds, $1.00.

PRIMULA Obconica. Improved bright rose color; very finest of all Obconicas, 1000 sds. 50c.

HELIOTROPES. Large flowering, light and dark, strong bushy plants, ready for 3½'s, $2.50 per 100.

LOBELIA, New Double Blue. Dwarf, extra fine and a perfect beauty; ready for 3½'s, $3.50 per 100.

LOBELIA, Emperor William. Dwarf finest bright blue, ready for 3½'s, $2.00 per 100.

PANSY, Finest Giants. Choicest mixed, 3500 sds., $1.00; ½ pkt., 50c.

CINERARIA. Large flowering dwarf; very choicest mixed 1000 sds., 50c.

Extras added liberally to every order.

JOHN F. RUPP, THE HOME OF PRIMROSES, **SHIREMANSTOWN, PA.**

Mention the Florists' Exchange when writing.

CYCLAMEN

OUR WELL-KNOWN

Giganteum Strain

In 4 separate colors, in extra fine and healthy condition.

AUGUST SEEDLINGS **$6.00 per 100; $50.00 per 1000.**

OCTOBER SEEDLINGS **$4.00 per 100; $30.00 per 1000.**

SAMPLES FREE. CASH WITH ORDER.

LEHNIG & WINNEFELD, Hackensack, N.J.

Mention the Florists' Exchange when writing.

Cobæa Scandens

2½ inch pots, per 100, $2.00.

	Doz.	100
Begonia, Alba Picta, 2 in.	$0.50	$1.50
Geranium, Mme. Salleroi, 2 in.	.50	3.00
Salvia Splendens, 2 in.	.40	2.00
Rudbeckia, Golden Glow, 2½ in.	.50	3.00
Carex Japonica var., 2 in.	.50	2.00
Crotons (in variety), 2 in.	.50	3.00
Abutilon, Souv. de Bonn, 3 in.	.75	6.00
Cyperus Alternifolius, 4 in	1.00	6.00

Rooted Cuttings, Bride and Bridesmaid **Roses.** Good, clean stock, $1.50 per 100; $12.00 per 1000.

Send for list of Select Sweet Pea Seed.

Cash with Order.

GEO. L. MILLER, - Newark, Ohio.

Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

Asparagus Plumosus, 3 in., $8.00 per 100. **Rex Begonia,** 3 in., mixed, $4.00 per 100. **Marguerite Daisy,** large flowering white, 2 in., $3.00 per 100. **Nephrolepis Cordata Compacta and Boston Fern,** 2 in., $4.00 a 100. **Kentia Belmoreana and Forsteriana,** 4 in., nice plants, 40c. each; 3 in., 20 cts. each.

GERANIUMS, Double Grant, Bonnatt, Single Grant, Murandi, Sam Sloan, 2 in., $3.00 per 100.

ENGLISH IVY, 2 in., $3.00 per 100.

CAMPBELL VIOLETS, Rooted runners, 50 cts. per 100.

New Carnation KITTATINNY.

A new money making carnation; a white sport from Daybreak. Any one can grow it that can grow Daybreak, as it is identically the same in every respect except color, which is pure white; and with me it is a stronger grower and larger flower, and as a first-class all-round white can't be outclassed. Stock limited, and orders will be filled in strict rotation. Price per 100 **Rooted Cuttings,** $8.00.

Carnations, rooted cuttings. Daybreak, Isgo, Flora Hill, $1.25 per 100. Scott, Fisher, Portia, McGowan, Alaska, Peach Blow, 75c. per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

Unequaled Varieties VERBENAS Vigorous Stock.

		100	1000
Best Mammoths,	strong pot plants...	$3.00	$25.00
" "	rooted cuttings.....	1.00	8.00
Older "	"	.75	6.00
" "	strong pot plants...	2.50	20.00

ROOTED CUTTINGS CARNATIONS VIGOROUS STOCK

General Maceo, G. H. Crane, $6.00 per 100 $50.00 per 1000.

America, Melba, Gen. Gomez, Mrs. G. M. Bradt, 75c. per doz.; $5.00 per 100; $40.00 per 1000.

White Cloud, Gold Nugget, $4.00 per 100; $30.00 per 1000.

Bon Ton, New York, Jubilee, Frances Joost, $2 50 per 100; $20.00 per 1000.

Armaziudy, Flora Hill, Eldorado, Daybreak, John's Scarlet, Sea Shell, Victor, $2.00 per 100; $15.00 per 1000.

Alaska, Lizzie McGowan, Wm. Scott, Portia, $1.50 per 100; $12.00 per 1000.

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Send for list of **90 best Varieties.**

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" 3½ " " " 10.00 "

Strong Tubers CANNAS DORMANT.

Alphonse Bouvier, Florence Vaughan, Doyen J. Sisley, F. R. Pierson, Italia, Burbank, Souv. de A. Crozy, John White, Pierson's Premier, Comte de Bouchard, Papa, Pres. McKinley, $3 00 per 100; $25.00 per 1000.

Chas. Henderson, Paul Marquant, Paul Bruant, Austria, Thos. S. Ware, Creole, $2.50 per 100; $20.00 per 1000.

ROSES.

Bridesmaid, Bon Silene, Catherine Mermet, Duchess of Albany, Golden Gate, La France, Maid of Honor, Niphetos, Perle des Jardins, Pres. Carnot, Sunset, The Bride, Wootton, from 2¼ in. pots, $5.00 per 100, $40.00 per 1000.

MISCELLANEOUS.

	100	1000
Anthemis, Double Golden Marguerite.	$2.00	
Ageratum, blue and white	1.00	$8 00
" Princess Pauline	1.50	
Coleus, all leading sorts	1.00	8.00
Fuchsias, double and single	2.00	15.00
Feverfew	1.50	12.00
Heliotrope, light and dark	1.25	10.00
Impatiens Sultani	2.00	
Moon Vines, true	2.00	15.00
Salvias, Splendens and Bedman	1.25	10.00

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO., LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00.
Payable in advance. The date on the address label indicates when subscription expires.

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When notifying the publishers to send the paper to a new address, give both old and new addresses.

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The publishers can supply binders which will hold the papers for one complete volume, keeping them in perfect order for ready reference. Price, postpaid, $1.00.

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Special positions extra.
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For rates, on Wants, etc., see column for classified advertisements.
Copy must reach this office not later than Thursday in order to secure insertion in issue of the following Saturday.
Orders from unknown parties must be accompanied by cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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All packages sent to this office, containing either specimen flowers for examination, or diseased subjects for diagnosis, should in every case be fully prepaid.

At the annual meeting of the Nursery and Seed Trade Association (Ltd.) of England it was decided that a fund should be raised to enable the association to take the opinion of counsel upon questions affecting the trade, and to contest or support any action for their mutual benefit.

Rose Society's Special Premiums.

The value of the Hoffmeister Floral Company's Cup, offered for 25 blooms Maid of Honor, is $50, and not, $5 as printed last week.

Peter Henderson & Co., New York, offer a silver cup valued at $50, for best 24 pot plants, 12 distinct varieties, H. P.'s, in section F., open to private gardeners and amateurs only.

A CHANCE FOR THE YOUNG MAN.

We announce, as under, the decision of the judges in the recent competition, the subject being "The Care of a Hot-Water Boiler." We are gratified at the interest shown by the boys in the contest, and congratulate all upon the high degree of intelligence manifested in the papers submitted, both from a practical and a literary standpoint. There is evidently some latent talent existing among the young men of our profession, which needs only to be drawn out to be of service both to themselves and their fellow-craftsmen. It has been remarked that writers, like varieties, "run out." However this may be, a diversity of reading matter is always welcome; and any effort that conduces to the presentation of fresh views upon a given subject will no doubt find favor with subscribers. If the present series of competitions be the means of "discovering" some one or more individuals, who are capable of taking the places of those who now so ably supply literature for the reading horticultural public, when the pens of these writers shall have become inactive, then we shall consider that our endeavors have not been in vain.

Among the many papers submitted in the present instance were several well written, but the authors had overlooked the fact that economy both in fuel and labor are, next to heat, the most important features in handling a boiler. We offered only one prize, but the judges considered that a second paper should be recognized, and its writer awarded a premium, hence we announce the names of two winners as follows:

FIRST PRIZE.—Wm. M. Taylor, 50 Oak street, Bridgeport, Conn.

SECOND PRIZE.—Arthur Taylor, Onaway Greenhouses, Boonton, N. J.

Our Next Competition.

SUBJECT: **What I learned during my first two years in the florist business.**

PRIZE—$1 worth of books or magazines; or $3 in cash.

CONDITIONS.

(1) Each MS. submitted must be written by an employee, without assistance, and the authenticity of these facts attested by the employer.

(2) No employee now contributing, or who has at any time contributed to any florist trade journal, will be allowed to compete.

MSS. must not exceed one thousand words in length.

All MSS. submitted in this competition to become the property of the publishers of the FLORISTS' EXCHANGE.

The awarding of the prize will be based on the amount of the practical knowledge acquired by the writer in the period stated as exemplified in his paper.

Competition will close April 7 next.

Write plainly on one side of the paper only.

Address all communications,

EMPLOYEES' COMPETITION FLORISTS' EXCHANGE,
P. O. Box 1697, New York City.

Society of American Florists and Ornamental Horticulturists.

DEPARTMENT OF PLANT REGISTRATION.

Chatterton Warburton registers new carnation "Cressbrook," a seedling from Mrs. G. M. Bradt × William Scott. Color bright pink; size of flower 3 to 3½ inches; stem strong and wiry; plant a strong grower, ready rooter, and having no surplus foliage.

WILLIAM J. STEWART, Secretary.

American Dahlia Society.

An effort is to be made to reorganize this society, and a meeting for the purpose is called for Tuesday, March 27, at the rooms of the American Institute, Berkeley Lyceum Building, West 44th street New York, at 1 o'clock p. m. J. W. Withers, 136 Liberty street, N. Y., is acting as secretary.

Cyclopedia of American Horticulture.

As previously announced the first volume of this Cyclopedia, issued by the Macmillan Co., New York, under the direct editorship of Professor L. H. Bailey, with Mr. Wilhelm Miller as associate, has appeared, and comprises over 500 pages. The only work published within recent years, with which it may be compared, is Nicholson's Dictionary of Gardening, an English book, which, while treating exhaustively of European horticulture, leaves much to be desired concerning the horticulture of North America. In a great many respects the Cyclopedia is an improvement on the Dictionary, the principal one being that each specific name is followed by the authority for the same, thus preventing much confusion. Nicholson, for some reason, omitted the authorities for the names. Another great improvement noted in the Cyclopedia, and one which will appeal forcibly to those who wish to verify the names of their plants, is, that the species of those genera, which are more than 15 in number, are arranged according to their horticultural characters or botanical sequence, along with the botanical description, instead of alphabetically. The last named method is, of course, the handiest when the descriptions are exhaustive, which is far from being the case in the Dictionary. A list of the species in alphabetical order, with the number of each corresponding to that beginning the description, is also provided, making an exceedingly convenient arrangement.

As might be expected in a work of such magnitude some mistakes crop up here and there. It is stated in the preface that "proofs of every article in the work have been read by experts in that subject." But it is inconceivable how some very apparent errors could have escaped those experts. Some questions which have been in dispute for a long period are sometimes summarily disposed of. In the latter category we have, in the description of Adiantum Farleyense, the statement that it is "apparently a good species." It will be readily admitted that every species has some means of reproducing itself, but we have not found any in this fern up to the present time.

Adiantum gracillimum is given as a species, although it should be well known that seedlings revert to A. cuneatum. Mention is made of a plant named Darlingtonia Courtii, said to be a hybrid between a nepenthes and Darlingtonia californica. Such a cross is, of course, impossible, as the plants are not related in any way.

Of the charming American cowslip, dodecatheon, no mention is made of the peculiarities in the germination of the seed. Has not the want of information on this point contributed largely to the state of matters which the editor deplores in describing the genus?

The definitions of and directions for growing Alpine plants will hardly be followed by lovers of these subjects. The nomenclature of the allamandas is a perplexing one, and in this condition it is further perpetuated in the Cyclopedia. Ceratostigma plumbaginoides is said to be a hardy bedding plant producing the flowers late in the Fall.

In the article on carnations, the line between American Winter flowering and the European Summer race is too finely drawn. The only difference between the two is that the carnation of Europe is but little grown for Winter-flowering, but not because it won't flower in Winter. The illustration showing the doubling of the carnation is misleading in that it shows only malformed stamens.

Notwithstanding these defects the value of such a work to American horticulture is inestimable, bringing together, as it does, the heretofore fragmentary literature on the subject, and affording a work of reference, both from a practical and botanical standpoint, far surpassing anything previously existing here.

The book is well printed, profusely illustrated, and handsomely bound. As before mentioned the Cyclopedia will appear in four volumes, the completion of which, it is expected, will be reached by the end of the present year. The price of each volume is $5.

Among the Magazines.

THE AMERICAN KITCHEN MAGAZINE. The Home Science Publishing Co., Boston, Mass.—The up-to-date housekeeper will find many useful hints in this interesting publication. The March number has two important articles—Housekeeping in the Twentieth Century, and a Symposium on Mastery of the Science of Housekeeping.

OBITUARY.

Isaac Hicks.

Isaac Hicks died Tuesday last, March 13, at his home in Westbury, L. I., from paralysis. He was 85 years old. Mr. Hicks was the head of the nursery firm of Isaac Hicks & Son. He was born on Long Island, and came of Quaker stock, being noted as a preacher among the Society of Friends. He had retired from active business some years ago, the concern now being conducted by his son and grandson. The firm is one of the oldest in the country; it has been very successful in the transplanting of large trees, for which work it has patented a tree-mover. The deceased gentleman was of an artistic turn, and portions of his latter days were spent in painting birds and maniac subjects for the delectation of his young relatives.

FIRES.

INDIANAPOLIS.—Fourteen greenhouses belonging to the Indianapolis Flower and Plant Company, at Central avenue and 34th street, were badly damaged by fire that started in the potting sheds March 6. How the fire originated is a mystery. When the blaze was discovered it had gained considerable headway. The flames swept north toward the tower in which three men, employed in the greenhouses, were sleeping. One of them, William Graham, inhaled the smoke and it awakened him. He called his companions. They had a narrow escape from being burned to death. The entire stock of the greenhouses was ruined by heat and water. The loss is estimated at between $5,000 and $6,000. There is $1,000 insurance. The company will rebuild at once.

CHANGES IN BUSINESS.

UTICA, N. Y.—Frank J. Baker has entered into partnership with his father, C. F. Baker. The new firm will be known as Baker & Son.

MIDDLETOWN, CONN.—F. B. Fountain will shortly open a flower store at 226 Main street, here.

DERRY, N. H.—Mrs. M. E. Cullen, who conducted a greenhouse establishment at West Derry, has sold out her interest and removed to Lowell, Mass.

MIDDLETOWN, N. Y.—William Gray, who for the past 16 years has been florist at the State Hospital, has tendered his resignation, to take effect April 1. Mr. Gray will hereafter give all his attention to the truck farm and greenhouse which he has near this city. His successor has not yet been appointed.

NO. VERNON, IND.—S. V. Williams will shortly establish a greenhouse at Bedford.

SALT LAKE CITY, UTAH.—With a capital stock of $6,000 in $1 shares, the Sugar House Floral & Seed Company has been incorporated in this city, to conduct the business indicated in the corporate name. Leo Danaenfelzer is president, Herman Schwarz treasurer and secretary, Simon Heinecke vice-president and manager, and John A. Peters and Martin Grimm are the other directors and shareholders.

Business Difficulties.

ATHOL, MASS.—James Sutherland, Jr., has filed a voluntary petition in bankruptcy. His liabilities amount to $6,228 and he has assets amounting to $325. The unsecured claims against him amount to $1,923, and the secured to $4,185.

In a Greenfield, Mass., cemetery was recently seen a new made grave, with a floral tribute upon it, bearing the word "Ante." Sporting men who saw it wondered how much they must "ante" up for the sight. On inquiry it was found that a florist had been instructed to prepare an emblem with the word "Auntie" upon it; and this was the result, which he brought at too late a moment to rectify, but claimed that it was all right, as he had "looked in two dictionaries and they both spelled it that way."

OUR GREAT

Special Spring Trade Edition

WILL BE ISSUED

Saturday March 31 1900

TWO WEEKS BEFORE EASTER

OUR "SPECIAL" will be one of rosy possibilities to all enterprising advertisers. It is to be issued at just the nick of time, March 31. It's right for Easter, it's right for the grower, the seedsman, the nurseryman; in fact, it's just the fit time in the season to strike all buyers most favorably.

Not less than 10,000 copies will be mailed out—may be more—all to selected names.

This is the last year of the century. It is beating the record of all recent business experience. You can beat your own record by advertising in THE FLORISTS' EXCHANGE, Special Edition and all other editions.

Every effort on the part of the publishers will be exerted to make this Business Edition a paying investment to all who patronize its columns.

Soliciting your generous support, and asking that you please send in your "copy" early, we are,

Yours very truly,

Publishers **THE FLORISTS' EXCHANGE**

Nos. 2 to 8 DUANE STREET, NEW YORK.

Baltimore.

Market Conditions.

Stock cannot be called over-plentiful; Lent does not seem to influence trade as it did. Violets are the only flowers that appear to be a glut at times. Stock for Easter seems to be in good shape, except lilies, which are as poor as they have been for the last few years.

Club Meeting and Banquet.

The club elected for its president the president-elect of the Carnation Society—Robert Halliday. The club is to be congratulated in having selected this gentleman for the office. All the members of the Carnation Society who attend the convention next year can rest assured that, under the leadership of Mr. Halliday, the Gardeners' Club of Baltimore will endeavor to make the meeting an epoch in the society's history.

N. Flitton, vice-president-elect, has faithfully served the club as its president the past year; and it is to his spirit of progress that the club to-day stands on a firmer basis than ever before, good fellowship and harmony being the password of all the members.

Fred. Burger was elected, like the other officers, by acclamation, as treasurer-elect. Mr. Perry succeeds himself as secretary, and H. Ekas, as financial secretary, was also re-elected. John Wagner as librarian still holds on to this very important position.

The annual banquet, after the election, was a grand success. No colors blended more harmoniously than did the spirits of the craft. The oratory of the members was replete with wit and wisdom, touching both a melancholy and joyous chord. There was one speech which surpassed all others—one that was filled with truths which were undeniable—Mr. Rider distinguished himself by the remarks he made. The oratorical effort of Brother Graham brought down the house, while his neighbor, Mr. Christy, made the boys smile with a breadth which could not be mistaken. Mr. Brown's poetry was apropos.

Jottings.

Growers who are cultivating the plants for the public squares are kept busy propagating their stock.

There are many applications for positions under the new Park Board.

EDWIN A. SEIDEWITZ.

Syracuse, N. Y.

We were never more surprised than when nine staunch and true Uticans alighted from the Empire State on Wednesday afternoon, to try conclusions with us on the alley, and our victory of the three straight games. They were evidently overtrained, evidencing as they did superior work, but the pins would not fall to a liking, gates ajar and so forth. The Utica party consisted of Peter and W. J. Crowe, Frank Baker, J. C. Spencer, W. Kauffer, Harry and Chas. Matthews, Doc. Rowland and A. C. Brown; Syracusans, Alfred Burt, T. Bishop, David Campbell, C. A. Fox, George Ham, Joe Huller, W. Smiley, W. H. Dow, A. Davis and R. Bard. Scores: First game, Syracuse, 1005; Utica; 964. Second game, Syracuse, 1044; Utica, 967. The third—well, they had to catch the 12:20 home. Highest score of the evening, A. Davis, with 180.

A sleigh ride was enjoyed in the afternoon, 20 inches of the beautiful making it good running, stopping first at Marquisee's to see the famous Marquis—a wonderful sight indeed, thousands of these massive and finely formed flowers in full blow among a sea of buds. The Syracuse, too, was in fine array, the flowers being far superior to those shown at Buffalo. White Cloud was also good.

Proceeding to Henry Burt's we found that great old florist and market gardener, now in his 75th year, around just the same as ever. After partaking of his hospitality a hurried visit was made to Quinlan's, to see Golden Gate and Dunlop's beautiful new rose, Lady Dorothea, Wing R. Smith of this firm receiving the boys courteously. A supper was served at the Bastable.

The florists' trade has been quite a little brisker since Lent began. Flowers of all kinds are plentiful, with the exception of roses. Bulb stock goes rather slow, yellow tulips, daffodils and valley being the best sellers. It's more yellow teas and functions this season than the red of last year. Golden Gate roses are fast becoming favorites, the extras on long stems bringing 75c. each at retail.

R. B.

LITTLE FALLS, N. Y.—J. O. Graham reports excellent business. In addition to his own supply he takes the product of the Overlook greenhouses.

Grove P. Rawson gave a talk before the Elmira Horticultural Society Monday last, on the subject of carnations.

Supt. Wm. Falconer, Schenley Park, Pittsburg, has returned from a very successful trip to California.

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CARE OF A HOT-WATER BOILER.

First Prize Paper

By WILLIAM M. TAYLOR.

The first principle in running a hot-water boiler is to have a thoroughly clean fire. A clean fire will give more heat and burn less coal than one only half cleaned. A half-clean fire requires more draft, for the same amount of heat, than a clean fire does, and the more draft a boiler has on, the more coal it burns and the more heat goes up the chimney.

To cool off the pipes quickly on a day when you are sure of plenty of sunshine, about 6 a. m., shake, or rake, the fire at the bottom, then put in two or three shovelfuls of coal; place the coal on the center of the fire only, putting cinders over the coal so as to form a cone-shaped pile. The reason for making the pile cone-shaped is, that it does not take as much coal or cinders as it would if the fuel were put on level, and it covers over the hottest part of the fire to the depth of 5 to 7 inches, allowing very little, if any, heat to come through; besides keeping the fire away from the sides. Leave the damper in the chimney open just enough to allow any gas that may arise to escape, and the fire-box door open also. If the fire is wanted in a hurry, level it off a little, pushing the cinders to the sides and give it full draft. In half an hour you have almost a white heat, the cinders making it much hotter in a shorter time than would coal alone. Then put on enough coal to form a good body, so that when raking you will have plenty of coal left to bring the fire up well.

Having your fire, at 7 a. m., clean and properly shut off, you are ready for any kind of weather. If it looks as though it were going to be cloudy, I would not put on any cinders, shutting off with fresh coal; but, as I am prescribing for a clear day, with plenty of sunshine, the fire should be shut off with a supply of cinders and can be left alone until the temperature in the houses begins to drop, with full air on; then close the fire-box door and open the "star" not over half way. If your chimney has a good draft—and if it hasn't it should have—leave the damper in the chimney as you have had it all day.

The object in starting the fire at this time is to have it come up as the sun goes down. In this way air can be kept on much longer. By starting the fire slowly you are getting all the heat out of the coal; whereas if you let your fire stay shut-off until all the air has been taken off you will have to drive the fire along pretty lively, and a goodly part of the heat will be lost through the chimney. If by 5 or 6 o'clock the fire has burned up fairly well, it can be raked; if it has burned up too much, put on some fresh coal and leave it for a while, until the coal has got pretty red, then give it a good raking. After clearing the fire cover it over with 3 or 4 inches of coal, making it level; also watch that you don't leave any holes in levelling it off, for the draft will come through wherever it has the smallest resistance. A hole left when putting on coal means a dead spot in the fire in a very short time. Give full draft until you have thorough combustion, then regulate according to the temperature outside.

This fire should last, if it is not too cold outside, until 10 or 10:30 p. m., when it should be shaken down and the fire box filled up. Pay particular attention to have the fuel all around the sides well packed; heap up the coal a little in the center and give full draft until combustion starts, then cover over with cinders, regulating the quantity, also the draft and damper, according to the outside temperature. This fire should remain good till 6 a. m., when it can be treated as before described.

Second Prize Paper

By ARTHUR TAYLOR.

About 7 a. m., if the prospects are for a bright day, or as soon as the sun shows itself, the drafts on the ash pit door should be closed, and the fire-box door opened wide. If the coal has all burned out a couple of shovelfuls should be scattered over the surface, covering this with fine coal dust or ashes, which keeps the fuel from burning up; and the fire will then be ready to start up and can be rushed at a moment's notice. The window, or door, of the boiler room should be opened, so that a current of cold air can pass through, which will soon cool off the water in the pipes. It can be left thus until the temperature begins to fall in the afternoon, and the sun gets over to the west, so that it is necessary to lower the ventilators. The fire should be started so as to hold the temperature at the point desired as soon as the sun disappears. It is easier when the fire is started early to keep up the temperature than if the fires are left until the houses are closed up and the temperature falls a few degrees below the desired point, then rush the fire for all it is able to do, which will consume more fuel in getting up the heat again. The fire should be shaken up, the fire-box door closed, the damper in the flue opened; also the bottom draft so that the fire will burn up thoroughly. When this has been done the bottom draft should be closed, leaving the damper in the flue open; then with a long poker the fire should be well cleaned of all ash and clinkers through the fire-box door, and the grate shaken well with the lever. The surface of the fire should now be covered evenly with clean coal, the fire-box door closed and the drafts opened, until the fire burns up. All ashes should be removed from the ash pit. As soon as combustion is properly secured the damper in the flue should be regulated so that the heat will not go up the chimney; the draft should also be regulated according to the heat desired. After getting a good body of fire the fire box can be filled with coal, and with the draft regulated properly the fire will run automatically for eight or ten hours.

In very cold weather, when it is necessary to keep the water boiling, the fire should be kept clean. When putting on coal just enough to cover the surface evenly should be afforded. When making it up for the night the fire should be cleaned, the fire box filled with coal, which should be spread evenly; the damper left only open enough to allow gas and smoke to escape, and the draft regulated according to the weather, to maintain an even temperature in the greenhouse.

The first thing in the morning the fire should be looked after, more coal being put on if necessary and the ashes shaken down; then when the sun rises the fire should be banked. If it be a cloudy day the fire will have to be kept going all day. The flues should be given a good cleaning out every week through the firing period. Several times in the season some water should be drawn off the boiler, by the draw cock, in order to get all dirt from inside of the boiler.



McMillen's New York Market Mignonette.

N. Y. Market Mignonette.

Our illustration shows samples of McMillen's New York Market mignonette, grown by Robert McMillen, of Pearl River, N. Y. As will be seen the spikes are very large and dense; in addition they were deliciously fragrant. Mr. Macmillen has been growing this strain for the past five years, and every year it has shown an improvement. He informs us that the spikes have realized in the New York market $2 per dozen at wholesale.

Mr. McMillen furnishes the following particulars regarding the strain: "I bought seed of George Bennett some five years ago, and one plant came up among the others so much superior to them that I decided to save seed from it and perpetuate it. I have improved the strain every year since, until I have brought it up to the present standard.

"The most important factor in growing mignonette for market is good seed saved from specimen spikes grown indoors especially for seed purposes. The plants should never be cut from, as it is important to save seed from the first spikes. The seed pods should all be set by March 15, then there is no chance for hybridizing being done by bees.

"Next in importance is soil—a good, turfy loam, with one-sixth of well decomposed cow manure added, is an excellent compost. Keep the night temperature about 45 degrees, with a rise of 10 degrees in the day time, affording plenty of ventilation when the weather will permit. Almost any kind of structure will suit mignonette. I grow mine in north and south houses, and find these suit it very well, as the accompanying photograph will show."

Exhibitions.

The second annual show by the Horticultural Society will be held in Colorado Springs, Col., in the first week of August, 1900. Liberal cash prizes are offered for the best displays of all varieties of flowers, fruits and vegetables. Classes are provided for amateurs, professional gardeners and commercial florists, and classes are also included in which children only may compete for the prizes. Special prizes are also offered for the best kept and most attractive home surroundings. A full schedule will be soon issued, and upon application will be mailed by H. I. Bennett, secretary, 322 West Kiowa street.

Members of the Massachusetts Horticultural Society are preparing for the annual Spring exhibition, which will be held at Horticultural Hall, Boston, beginning Tuesday, March 20, at noon, and closing at 9 p. m. of Friday, March 23.

Owing to the mildness of the season, the conditions are unusually promising for a fine exhibition this year. The amount to be given in prizes is nearly $1,100, and there will be classes for ericas, orchids, greenhouse plants, climbing roses, shrubs, primroses, polyanthuses, cyclamens, cinerarias, hyacinths, tulips, narcissus, jonquils, lilies, crocuses, freesias, tritonias and ixias. In cut flowers there will be prizes for hybrid perpetual roses, tender roses in vases, carnations, pansies and violets. There will also be displays of fruits and vegetables. This is the first formal exhibition of the year, and is one of the two principal shows given by the Horticultural Society.

Pan-American Exposition.

Henry A. Dreer, Inc., of Philadelphia, offers to put in 100 beds of flowers, each bed to average 400 square feet, and to consist of a solid clump of one particular flower, at the Pan-American. Besides this, Mr. Dreer has volunteered to fill both the basins with aquatic plants. These basins, the Court of Cypresses and the Court of Lilies, will each be 120 feet in diameter, and in one of them the water will be kept warm in order to permit the magnificent Victoria regia to thrive.

Another proposition has been received from J. C. Vaughan, of Chicago, which is almost as generous as that of Mr. Dreer. Both of the offers will be accepted and will, without doubt, be followed by others similarly magnificent. Both F. Taylor and William Scott, who is in direct charge of the floricultural department, are much elated over these offers of co-operation on the part of these famous growers.—Enquirer.

HINTS and HELPS.

Drainage and Covering for Seeds.—Seedlings, which from their nature, require pricking off shortly after the seed leaves are developed, should be raised in boxes or pans which have at least half their depth devoted to drainage. Even in very shallow boxes the bottom part should be covered with rough screenings overlaid with fine soil pressed moderately firm. In covering, the old rule is to cover the seed to its own thickness in soil, and if followed out in sowing ordinary flower seeds few mistakes will be made. The covering should not be of such a nature as to cake readily. Finely screened sphagnum moss mixed with sand is a good substance. Finely screened Jadoo is another excellent medium, both retaining moisture without imparting too much to the soil below. Very small seeds, such as begonias and gloxinias, do not need any covering of soil, but to preserve a humid atmosphere around them they may be covered with a pane of glass until the seed leaves appear. In such cases it is necessary to water the soil before sowing.

Fuchsias which were put in at the proper time are now too large to be left longer in 3-inch pots with safety. Any variety will bloom in 3-inch pots, but by keeping them in a growing state, with abundant root room, they can easily be grown, according to the variety, from 2½ to 4 feet high, before the flower buds make their appearance. If wanted to bloom in 5-inch pots pinch back the leading shoot, and when the pot is well filled with roots, give clear, weak liquid manure frequently; this will prolong their blooming season. For the tall plants a single supporting stick for the main stem will be all that is necessary, with perhaps a few supporting strings for the lateral shoots in the case of those having large double flowers.

Temporary Shelves.—For a great many plants in the seedling stage at this season, a position as near the glass as possible is an absolute necessity. When the back part of the bench is used for this purpose it is a case of sacrificing just so much space which might as well be utilized with other material. A useful shelf can be erected in a very short time, which will add just so much extra space less than half an inch in thickness, to the proper shape. Arrange the hooks at the ends of the two legs so that they will catch the staples easily, and be as easily removed when not in use. Through the loops formed by these iron rods slide a board of the proper width. This will be an ideal place for seeds after germination. If the rafters are of iron, holes can be drilled for the supports to the boards.

Starved Palms.—Some rare stove palms are apt to become yellowish in the foliage, owing to the food in the soil having become exhausted. When it is not desirable to shift into new soil, the trouble may be remedied, to a great extent, by sprinkling some bone meal on the surface of the pot. Gradually, through watering, this will be conveyed to the roots and the foliage will resume its healthy appearance if it is not too much discolored. Licuala grandis and the green form of Stevensonia grandifolia, and sometimes Verschaffeltia splendida get in this condition, and may be helped as above. The yellowish condition of the foliage resembles that put on by many palms when allowed to stay out-of-doors rather late in the Fall, and which is replaced by a healthy green after being taken indoors.

Poinsettias.—The first batch of dormant wood cuttings may be put in now while the bottom heat in the propagating house is brisk. Cut into lengths of about four inches. Wash the milky sap from the ends which are to be inserted in the sand, using warm water. After drying they are inserted in the sand for half their length. Very little water is necessary until they show signs of growing. As soon as roots are three-quarters of an inch long, they should be potted in thumb pots, using soil only fairly moist; and only enough water given through a fine rose to settle the surface of the soil.

Justicias.—Two of the finest Summer flowering plants for the conservatory are to be found in this genus. They are J. carnea and rosea, old timers, true, but hard to beat. Put in the cuttings now. Good sized pieces may be taken as they root freely; after they are well rooted in their first pots they need very little shade. From 3-inch transfer to 4½-inch pots and then to 6-inch, in which they will bloom shortly after mid-summer. They are not particular as to soil.



Chrysanthemum White Bonnaffon.

and interfere with nothing. If the rafters are of wood two stout staples may be driven in each about 12 or 14 inches apart, according to the width of the desired shelf. Next bend pieces of iron rods'

Cinerarias which are now coming into flower should get a position in the coolest house. Give an abundance of air and not too much exposure to the sun's rays. Greenfly, slugs, and cut-worms are their worst enemies. If the plants are standing on inverted flower pots, sprinkle some salt among the tobacco stems; this will effectually dispose of the slugs. The cut-worms should be sought for after dark with the aid of a lantern.

IN THE CARE OF SEEDLINGS we always prefer to transplant into wooden flats rather than into pots, this being much more economical, both in space required on the benches and in time needed in the operation. The flats need not be more than 2½ or 3 inches deep; and one-half-inch thick lumber is plenty heavy enough of which to make them.



Chrysanthemum Gold-Mine.

Asters and Stocks.—The old method of raising these in quantity for early Summer flowering has not been improved upon in recent years. This is to put from 6 to 8 inches of stable litter in the bottom of a frame, then a few inches of soil on top of this. The seed is then sown thinly and the seedlings are allowed to grow until large enough to be transferred to their flowering quarters. A frame with a southern exposure should be chosen. With attention to the airing of the frame, nice stocky plants will be the result. Neither stocks nor asters are what we would term tender plants.

G. W. O.

BRIEFS FOR BUSY FLORISTS.

FLORISTS that are located near cemeteries, and consequently have a steady demand for funeral flowers, can provide longiflorum lilies for an indefinite period by using cold storage bulbs and planting now. This is not new by any means; still we believe that there are many florists that think there is no use for the lily after Easter has passed, which is a great mistake. Last June we had occasion to visit a florist establishment located near one of the largest cemeteries in the East, and in the greenhouses were several thousand lilies in all stages of growth. We were informed by the proprietor that the demand for these flowers was always good; they could be grown cheaper through the Spring and Summer than in the Winter, and they were much more profitable. Cold storage bulbs were used and they were very satisfactory.

GERANIUMS that were struck last Fall should now go into 4-inch pots. To hold them any longer in the smaller size would stop their growth for the time being, and render them of no more value than similar plants rooted in January. In potting these it is not necessary to use the best soil from the compost heap; that taken from an old rose bench, and which has been exposed to the weather during the last few months, is well suited for the purpose, providing some well-rotted manure is mixed with it. Do not pot the geraniums when they are at all dry; if this is done, the plant is likely to remain dry for many days, as the water given percolates through the new soil around the edge of the pot before it can penetrate the dry ball, which is full of roots and quite hard.

WELL-FILLED PANS of pansy plants in full bloom make one of the choicest gifts for Easter, and this is a good time to prepare them. Select the strongest plants from the frames and fill the pans, planting rather close together, as a mass of flowers is wanted. Give them a light bench in the greenhouse, where they will receive all the sunshine possible, and they will come in in good shape for Easter. In filling the pans it is well to have some with mixed colors, and others massed with separate colors.

PANS OF VIOLETS can also be sold well at Easter, but these need not be potted for two weeks yet.

Some New Chrysanthemums.

Our illustrations, which are presented by the courtesy of Nathan Smith & Son, Adrian, Mich., show the following varieties. The descriptions are those of the introducers:

GOLD-MINE.—(Exhibited as Stelleta.) (H. L. Sunderbruch × Modesto.) Unsurpassed in size, having been grown 11 inches in diameter. Foliage and general habit resemble Sunderbruch. Planted June 20 it attained 3 feet in height. Color rich golden yellow; outer petals reflexed and center incurving in a whirl. In perfection November 20 to 30. Best flowers were from buds taken October 10. We predict it will depose Modesto and Golden Wedding, being more dwarf, surpassing both in size, a rival in color, and having better stem than the former. Certificated by the Chrysanthemum Society of America at Chicago in 1898, scoring 93 points, and averaging 93 points before four committees in 1899. Also winner of the C. S. A. silver cup offered for the seedling scoring the highest average before three or more committees.

WHITE BONNAFFON.—(Mrs. H. Robinson × Mrs. H. McK. Twombly.)—A commercial variety of great promise, which we predict will become as popular as the typical Major Bonnaffon. Color pure white; form identical with Bonnaffon; growth very short-jointed, not 3 feet in height. Foliage large and very dark green. Its lateness (November 20 to 30) greatly enhances its value. Take terminal bud about October 10. Certificated by four committees of the C. S. A.

New York.

Club Meeting.

At the club meeting on Monday evening last, Vice-President Arthur Herrington proved a most acceptable presiding officer, in the absence of Mr. O'Mara through indisposition. The various committees reported progress. On motion a reconsideration of the form which the $100, offered by the club to the society winning the most prizes at the forthcoming exhibition in August, should take, was laid over till next meeting. The club also decided to offer three gold medals, as first prizes, one each in the classes for group of foliage plants, not exceeding 200 square feet; same display, not exceeding 100 square feet, and for group of flowering and foliage plants, not exceeding 100 square feet. It is expected that the schedule will be issued in the course of a few days. A recommendation to include a class for ornamental evergreens was left in the hands of the exhibition committee.

A vote of thanks was passed to the Buffalo Florists' Club, for courtesies extended to visiting representatives from the New York Club to the late Carnation Convention, accounts of which were given by several of the gentlemen there present.

A meeting of all the committees will be held, at 7 p. m., in the club rooms, Monday, March 26.

Ex-Alderman John Morris exhibited a bunch of single violet, Princes of Wales, that were remarkable for both size and fragrance. The appointed committee awarded honorable mention. Max Richter, of New Springville, Staten Island, is the grower, and Mr. Morris declares they overtop any violets he ever handled for retaining their fragrance.

Market Notes.

Business continues in a desultory state. The snowstorm of Thursday almost stopped trade entirely, putting, as it were, a finishing touch on a quiet week. Roses and carnations are coming in in very light quantities, consequently prices have not decreased so much as one would expect; still there seems to have been some slaughtering occasionally in fancy carnations, as we have seen bunches of good Bradt and other similar grades offered by the sidewalk florists at extremely low figures. The value of American Beauty roses is hard to determine at present. For special blooms 50c. is asked, and no doubt, in some instances, obtained; at the same time some buyers are able to get specials at 25c. each. Bride and Bridesmaid are offered in straight slips at lower figures than have prevailed previously since before the holidays. Graded stock prices seem to have a downward tendency, yet while the demand is light the crop is light also, and considering the season of the year, roses are doing fairly well. Lily of the valley can be had at any figure ranging from $1 to $3 per 100, according to quality. The latter price may seem rather high, but the quantity fetching it is only limited, and is of a very special grade.

Violets are very poor and very numerous. The way these flowers have been pouring into the city during the last few weeks would indicate that, owing to mild weather, plants have been in full crop several weeks before their usual time; if this is so we may look for a general shortage by the time Easter arrives. To mention prices on violets here would be a difficult matter; they have been sold in bulk at $1.50 per 1,000. A push cart, such as the fruit peddlers use for bananas, was seen loaded up full with violets, and being pushed along 42d street one day this week.

Southern-grown yellow narcissus have begun to arrive in quantities, and the prices of the local output will no doubt soon feel the influence of the competition. Romans and Paper Whites are not so plentiful as they were; tulips also are not so much in evidence, still there are enough to meet all demands.

Azaleas and other flowering plants are coming to the city in vast numbers; it seems difficult to hold some of the stock back till Easter, and retailers are enabled to get plants from growers on the understanding that any that are not sold may be returned. This should be a good thing for the retailer.

Thos. Young, Jr., keeps a full line of decorative and flowering plants on hand in his enlarged store.

Besides being a specialist in orchids, valley and maidenhair fern, W. S. Allen handles some good quality carnations.

Walter F. Sheridan has handled an enormous number of Beauty this season, and it is a coincidence that when high figures prevailed the crop was just in.

G. E. Bradshaw reports good business since moving into 28th street; in fact, it has been so good that a new safe with larger capacity than the old one had to be purchased this week.

H. A. Bunyard is kept busy filling orders in the manetti and green goods lines.

James MacManus receives choice orchids, besides a full line of general stock.

Fitzgerald & Hammond are making a specialty of potted violet plants aside from the regular cut flower lines.

A visit to Ford Bros. always reveals a good supply of everything in season.

Koffman is going out of the cut flower business, but with the two new men starting in that street, 29th still has its full quota. C. Millang and G. Saltford occupy the same store and carry on their separate businesses in perfect harmony. Mr. Saltford's specialty is violets, while Mr. Millang carries a general stock.

M. A. Hart receives extra fine roses and violets, together with other seasonable flowers.

W. H. Gunther's greatest line is violets, and many thousands go through his hands daily. Carnations and lilies are also handled extensively.

Blauvelt & Guttman, wholesale commission dealers, 36 West 27th street, dissolved partnership by mutual consent on the 12th inst. Alex. J. Guttman retains the business and will move April 1 from the present location to No. 52 West 29th street—the store now occupied by Koffman, the smilax king. J. H. Blauvelt has taken the store at 49 West 29th street, formerly occupied by J. A. Perkins. Mr. Blauvelt has had electric light and other improvements added to the store, and a full line of seasonable stock will be carried.

S. J. Limprecht journeyed to Boston with some of his 30-feet high made-up palms this week. These were to be used by Wadley & Smythe at a large decoration done by them in that city.

Frederick N. Muchmore has retired from the firm known as the Short Hills Rose Company. The business will be continued as heretofore by John Wilson and Wm. H. Miller. Mr. Muchmore's retirement dates from March 6.

Shaping for a General Market.

The most interesting topic in cut flower circles just now is the probable amalgamation of the New York Cut Flower Co. and the Cut Flower Exchange. The Smith & Gray Building, Broadway and 31st street, is very suitably located for the cut flower business, and we understand one of the floors in this building is being discussed as a favorable place should the two companies unite. So far as we know, at this date, nothing definite has been decided.

News Jottings.

Peter McDonald is filling the position of foreman in one of the departments in Central Park.

A. Dimmock arrived from England last Sunday morning on the S. S. Etruria.

The plant auction season opened Tuesday. Although the weather was cold and raw a fair gathering of bidders was observed, both in Wm. Elliott & Sons' and Cleary & Co.'s. These sales will be held regularly twice a week right through the Spring season.

Dailledonze Bros. displayed a bunch of No. 666 carnation at the meeting of the American Institute Wednesday. A silver medal was awarded the variety. Lager & Hurrell exhibited orchids at the same meeting.

Visitors: John G. Bahret and C. J. Knauss, Poughkeepsie, N. Y.; G. Thompson, Lenox, Mass.; W. J. Crowe, Utica, N. Y.; Carl Jurgens and Son, Newport, R. I.

J. Austin Shaw has been appointed sole agent in the United States and Canada for Edw. Van Coppenolle, of Ghent—a firm that is this year celebrating its fiftieth year in the palm business.

Wm. Hughes, although not fully recovered from his accident, is again back at Clucas & Boddington Co.'s. John Ringler is now with this firm.

In order to encourage the boys to sell his "tobacco whale oil soap" and tobacco dust, H. A. Stoothoff offers a prize of a bicycle, or any article which can be purchased for $25, to the one selling the largest quantity before July 1. The prize is in addition to a commission on sales.

Philadelphia.

Market News.

The stores have had rather a quiet week. Transient trade has been fairly good some days, but many of the large flower buyers are out of the city. There has been considerable funeral work during the week, a large number of choice orders being given.

The cut flower market is in fairly good condition for this season of the year. The quantity of flowers is not quite so large as last week, and prices are holding better than usual during Lent. There has been a slight drop in roses, perhaps in many cases the price per dozen is the same, but a generous count has been given. There has been a good demand for the medium size of Beauty; of other sizes there are plenty for all calls. Bulbous stock is selling slower, white tulips going the best of anything. Valley has also not been in good demand, and has to be very fine to bring over $3 per 100.

Carnations, while not exactly scarce, are sufficiently so to keep prices firm; $1.50 to $2 being obtained for general stock, while fancies run up to $4 per 100. White has been most in demand. Violets are very plentiful, the very best are selling at 75c. per 100.

News Items.

Wm. J. Moon has just installed a new refrigerator in his wholesale establishment; it is 12 feet long by 4 feet deep and 11½ feet high. He reports business as very encouraging, and an increase in the number of consignors.

Edw. Reid, taking advantage of the dull spell, has gone on a business trip to visit some of his shipping customers.

Visitors in Town.

A. N. Pierson, Cromwell, Conn., and Adolph Gude, Washington, D. C.

Among the Growers.

Robert Scott & Son have been very successful with Crimson Rambler roses in pots for Easter; they have, without a doubt, the best house of these roses, in all sizes, ever seen in this locality. The house is 200 feet long. The plants are grown in several ways—some were cut back, others trained fan-shape, and some balloon-shape; others are grown in pans. A novelty in this line is that some plants have a 6-inch pot in the soil; this will be taken out and a lily in flower inserted, in some cases the plant being grown so that at the top it can be tied down to form a wreath, the lily coming up in the center, and in plants just bent over the lily will fill the opening in center. All other stock on this place is looking good. The chief object is still the Liberty rose, the shipping of the first lot of young plants of which will begin March 20. They are in splendid condition. Mr. Scott has not paid so much attention to cut flowers as he has to raising good plants, thus keeping up his reputation in this line, and his patrons will certainly get plants that will give satisfaction. Lilies for Easter are in good condition, the Harrisii and longiflorums both being well budded and sufficiently advanced.

Robert Craig, wife and daughter, are visiting E. G. Hill, Richmond, Ind.

DAVID RUST.

The Spring show of the Pennsylvania Horticultural Society occurs at Philadelphia, March 20 to 23 next. Certificates of merit are offered for nine carnation classes—new varieties not disseminated previous to January 1, 1900; also a silver medal for best vase of 25 blooms in these classes, and a silver medal for best vase of 100 blooms, any one variety. Copies of the schedule may be obtained from Secretary Rust, Horticultural Hall.

Taunton, Mass.

W. N. Craig, who has had charge of the Clemson greenhouses for some time, will at an early date leave for a position in the Ames' greenhouses at North Easton.

N. Y. Market Florists' Association.

This association held a meeting in the restaurant adjoining Clinton Market, Thursday evening. In spite of the very inclement weather a goodly number of the plant growers attended, and in the absence of the president, H. C. Steinhoff occupied the chair. After some deliberation it was decided to open the plant season in the market on Saturday, March 24. A committee of three was appointed to wait upon the market authorities in regard to securing the stands for the coming season—R. Leach, R. Dryer and G. Brown forming the committee, who will report at the next meeting, Thursday, March 22, in the market restaurant.

About 16 members were present, and the probabilities are that about 35 stands will be taken. Every member is urged to be present at the meeting next Thursday evening.

Grand Rapids.

A Spell of Bad Weather.

We are going through the worst spell of bad weather of the Winter—snowstorms coating the houses until you can hardly see, followed by cold waves, fierce winds and rains. In consequence of the severity of the elements trade has slackened somewhat, allowing roses to catch up with the demand, while carnations are still scarce and need a little longer rest to get a few flowers ahead. At the present time the white which shows up best and will be the favorite for next Fall's planting is White Cloud, of which some magnificent blooms are being cut. Flora Hill will rank next; its stems are getting much stiffer and the plants promise a fine Easter crop. Two other whites will be planted in medium quantities, viz., White Daybreak and Evelina; yes, and John Young will get one more chance to open freely.

G. F. C.

Holyoke, Mass.

The Holyoke, Springfield and Northampton Horticultural Societies held a union meeting in Holyoke, on March 7, at which John N. May, of Summit, N. J., read a paper on the rose. About 150 members of the three societies was present.

G. H. S.

PLANTS and FLOWERS.

We are in receipt from L. Ussing, New York, of a bunch of flowers of the improved cowslip (Primula veris). The flower stems are exceptionally strong and carry large clusters of good-sized white blooms with yellow centers. The stems were all of 10 inches in length and as thick as an ordinary lead pencil. This variety would be useful either for pot work or for cutting purposes.

Why My — Fine or Coarse
Tobacco Dust
"The Black Stuff" "2 cts per pound 500 to 1000 pounds
The Best for florists
Its my specialty, I have made the wants in this line by the growers a study and know the grade that kills; if it fails your money back
H. A. Stoothoff 116 West St N.Y.City

Tobacco Whale Oil Soap "Ophia" Brand Try it for scale " red spider " green fly " mealy bug Its Good Gentlemen keep it so do we H. A. Stoothoff 116 West St N.Y.City

BRIDESMAID AND BRIDE. Ready now in 2¼ inch pots, in exceptionally fine quality.
Strong, clean and healthy. Send for samples.
STEPHEN MORTENSEN, Southampton, Bucks Co., Pa. Near Philadelphia.
Mention the Florists' Exchange when writing.

Carnations at Cincinnati.

The event of the week was the carnation exhibit at the club rooms in the Flower Market, Saturday afternoon last. The blooms staged there, taken as a whole, were the finest I have ever seen. All were unusually well grown. Weber & Sons, of Oakland, Md., made a fine showing with Genevieve Lord, No. 11, Bradt, a dark crimson seedling, No. 126, No. 250, No. 110, white (this seems to be quite a good sort); No. 115, pink, near the shade of Bridesmaid; Mayor Pingree, Hector, No. 40, light shade of pink, and No. 30, dark pink. Wm. Murphy staged commercial sorts. George & Allen had a vase of Jubilee which was very well done.

L. E. Marquisee had a vase of the celebrated Marquis in charge of Mr. Skidelsky. This is certainly a very pleasing shade of carnation, and will undoubtedly have a large sale.

Mrs. Graves, of Richmond, Ind., staged her pink seedling, Dorothy Test. This is a decidedly improved Scott, and will no doubt be heard from later.

E. G. Hill & Co. staged Leslie Paul, America, Ethel Crocker and Olympia. All were magnificently grown, and are fine carnations. The vase of America was especially good, and I believe this variety will win out and be one of the best commercial reds. So hang on to your cuttings.

Richard Witterstaetter made a great showing with Enquirer, America, Roslyn, Estelle, Adonis, Elinore, Opal, No. 503E, crimson; Bradt and Rosamund.

Other exhibitors were: Wm. Rodgers, Corbett & Wilson and A. Sunderbruch's Sons.

The prizes awarded were as follows: The John R. McLean gold medal, to Enquirer, Weber & Sons No. 11 not being able to compete. Fifty blooms seedlings, any color, R. Witterstaetter, with Enquirer; 100 blooms mixed varieties, same exhibitor, who also won on best separate display. Fifty blooms mixed varieties, Wm. Rodgers; four vases of commercial varieties, 25 blooms to vase, Wm. Murphy; twenty-five blooms Daybreak, A. Sunderbruch's Sons.

But the most interesting part is to come—the seedlings entered for a certificate. These were scored under the scale of the American Carnation Society, and the verdict is as subjoined:

Crabb & Hunter's Irene, and Weber & Sons' Genevieve Lord are two varieties that the general public do not want to loose track of. I believe these two sorts to be money-makers. Estelle is another sort that all can grow and cut some blooms from. Of course, Adonis is a beautiful flower, the best scarlet as to size and all good qualities I have ever seen; but the blooming and bursting qualities are yet to be determined. Olympia showed up well, and through an oversight was not entered for a certificate; but at a former meeting it passed muster, and the vase being better in every particular than the former the society voted to issue a certificate to the variety.

The judges on seedlings were: Wm. Murphy, Albert Sunderbruch and E. G. Gillett, and you will take notice that the scale is given complete, thereby showing the weak as well as the strong points in the varieties in question. I also think that the National Society should adopt this same method of judging, thereby showing to the public the strong and weak points of the carnations judged. [This is done.—Ed.]

Our visitors upon the occasion were Messrs. E. G. Hill and John A. Evans, of Richmond, Ind.; John Boehner, of Dayton, O.; S. S. Skidelsky, Henry Weber, of Oakland, Md., and J. M. Harbeson, of Danville, Ky.

April 21, Saturday after Easter, is the date of our next and last exhibition of the season, and it will be a special show of bulbous flowers and market plants.

IF YOU NEED ROSES
Send us your list for prices.
THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.
Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS..
and Novelties in Decorative Plants,
Market and 49th Sts., PHILADELPHIA, PA.
Mention the Florists' Exchange when writing.

DOUBLE PETUNIAS.
OVER 75 VARIETIES, NAMED.
I have the finest and largest collection in the country, an immense stock, and can fill all orders without delay.
Rooted Cuttings, by mail.....$1.25 per 100.
Heliotrope, 16 vars..... 1.50 "
Ageratum, Princess Pauline..... 1.00 "
Ageratum, White and Blue..... .75 "
Abutilon, 4 vars., R. C..... 1.50 "
Fuchsias, 12 vars..... 1.25 "
Flowering Begonias, 12 vars..... 1.50 "
Baby Primrose, strong, 2 in..... 3.00 "
Moon Vines. Smith's Hybrid Seedlings, which are the best varieties, transplanted, $2 00 per 100.
Salvia, Splendens and Bedman, seedlings, 50 cents per 100.
Cash with order, please.
GEORGE J. HUGHES, BERLIN, N. J.
Mention the Florists' Exchange when writing.

With the close of this exhibit we shall have finished the most successful season of the Cincinnati Florists' Society.

At 8:30 p. m. the society was called to order by President Murphy. Routine business was transacted and all delinquent members for more than a year were dropped from the roll. Short speeches were made by Messrs. Hill, Evans, Skidelsky and J. Boehaer, after which the society adjourned. E. G. G.

Louisville, Ky.

We have no reason to complain of the present weather, as we are having plenty of sunshine and warmth, which causes us to be afraid that we will not be able to hold our bulbous stock until Easter. The supply of all flowers has been of good quality but not too pleatiful to create any waste, except, perhaps, in violets, which are making up for the time they lost during the Winter months.

J. B. Heiss, Dayton, O., was a recent caller.

All of the regular Holland drummers were here during the past week.

Mrs. C. B. Thompson has disposed of the wire work department of her business to Geo. Borntraeger, who has had charge of the department since Mrs. Thompson secured it.

It has just been reported that Ed. Morat has quit his store and that Mrs. Watermaa, the owner of the building, has taken charge of the same. J. S.

Boonville, N. J.

E. G. Palmer and Frank Geiskopf sustained a loss recently by the snow crushing in parts of their greenhouses and the ruining of a large quantity of stock.

Brockville, Ont.

Hay & Sons have secured the contract for decorating the grounds for Senator Fulford's new residence here. The contract price exceeds $2,000.

THE SCALE USED	COLOR 25	SIZE 20	CALYX 5	STEM 20	SUBT. 10	FORM 15	FRAG. 5	TOTAL 100
The Marquis, by Marquisee, pink	23	18	4	16	9	11	5	86
Dorothy Test, by Mrs. Graves, pink	20	20	4	19	8	12	3	86
Estelle, by Witterstaetter, red	23	15	3	12	8	10	2	73
Elinore, by " white	22	18	4	20	9	11	2	86
518 A, Rosamund, by Witterstaetter, pink.	18	20	2	14	6	10	0	70
Enquirer, by Witterstaetter, pink	23	20	3	17	9	13	4	89
No. 11, H. Weber & Sons, pink	24	20	3	18	9	12	4	90
" 115, " " pink	15	15	4	12	5	10	3	64
" 30, " " pink	18	18	5	20	8	12	4	85
" 110, " " white	20	18	5	20	6	11	4	84
" 126, " " dark crimson	22	12	3	18	7	10	5	77
Irene, by Crabb & Hunter, pink	23	14	5	20	10	10	3	85

TWO-YEAR-OLD ROSES.
Strong branching plants well equipped with roots, best forcing and pot varieties, $6 per 100; $55 per 1000. In following varieties:—Golden Gate, Muriel, Graham, Mrs. Robert Garrett, Mosella, Burbank, C. Soupert, Gen. Jacq., Mme. Chas. Wood, Crimson Rambler, Magna Charta and Neyron. 100 1000
Golden Gate, nice 2½ in.....$3.00 $25.00
Mrs. Robert Garrett, 2½ in.. 3.50 30.00
50 other varieties. Send your list for prices.
GERANIUMS Well established in 2½ in. pots, $3 00 per 100; $25 00 per 1000. La Favorite, Mme. Bruant, Peach Blossom, Grand Chancellor, B Poitevine, Heteranthe, our selection of varieties, $2.50 per 100; $20.00 per 1000.
Baby Primrose, 2½ in. in bloom 3.00 25.00
Asparagus Sprengeri. 2½ in., $3.50 per 100; $30.00 per 1000.
Double Petunias (mottled), 2½ in., $3 00 per 100.
JOHN A. DOYLE CO., Springfield, Ohio.
Mention the Florists' Exchange when writing.

Manetti Stocks
FOR GRAFTING.
We can still offer a limited number of Manetti Stocks for grafting, of good quality.
In lots of 1000 . . $12 00 per 1000.
" 2500 . . 10 00 "
" 5000 . . 9 00 "
HENRY A. DREER, Philadelphia, Pa.
714 Chestnut Street.
Mention the Florists' Exchange when writing.

PHILADELPHIA ROSES Strictly first-class stock out of 2½ inch pots.
American Beauty, Kaiserin.
MYERS & SAMTMAN, Chestnut Hill, PHILA.
Mention the Florists' Exchange when writing.

THE COMING ROSE SHOW
N. Y. CITY, MARCH 27 TO 29.
Don't fail to order our effective Gold and Black Exhibition Cards for your flowers. (Society allows only name of variety.) Prices:—Size 1⅜x3⅜ inches, 10 cts. each; 5 for 25 cts. Size 3½x5½ inches, 15 cts. each; 3 for 25 cts. Order now.
A. T. DE LA MARE PTG. & PUB. CO., Ltd., 2 to 8 Duane Street, New York.

Grafted on the Manetti.
BRIDE
BRIDESMAID
KAISERIN
MORGAN
CARNOT
ROBERT SIMPSON, - Clifton, N. J.
Mention the Florists' Exchange when writing.

50,000==MANETTI==50,000
For Immediate Delivery.
IRISH AND ENGLISH Grown and in fine condition for inside grafting.
$12.00 per 1000. Price for Quantity on Application.
HARRY A. BUNYARD, 42 W. 28th St., Telephone 2065 Madison Square, **N. Y. City.**
Mention the Florists' Exchange when writing.

LIBERTY Orders received now for April and May delivery.
GRAFTED ROSES. **Kaiserin** now ready to ship. Orders booked for **Bride** and **Bridesmaid.** Prices on application.
AMERICAN BEAUTY Own roots, 2½ inch pots, $6.00 per 100; $50.00 per 1000.
ROBERT SCOTT & SON,
SHARON HILL : DELAWARE CO., PA.
Mention the Florists' Exchange when writing.

TWO-YEAR-OLD ROSES. Fine plants from 4 inch pots $10.00 per 100.
Pierre Guillot
Sov. Wootton
Crimson Rambler
Princess Bonnie
Media
Cli. Niphetos
Bridesmaid
White La France
Mme. Plantier
Clothilde Soupert
Marie Guillot
Mrs. De Graw
Mme. Cusin
Perle
Kaiserin
Pres't Carnot
Wichuraiana
Marechal Niel
Princess Sagan
The Bride
Beaute Inconstant
Mme. F. Kruger
Gold Rambler
Sunset
Maman Cochet
M. Van Houtte
Yellow Soupert
Niphetos
Etoile de Lyon
Malmaison
La France
White Rambler
Duchess of Albany
White M. Cochet
Duchess Brabant
Coq. de Lyon
Papa Gontier
Bertha Clavel
Christine de Noue
Hermosa
Meteor
Mme. Welche
Rainbow **Safrano** **Golden Gate** **Boule de Neige** **Coq. des Alps**
Also a moderate quantity of two-year-old Hybrid Perpetuals in variety, best kinds at $15.00 per 100, and a limited number of large budded H. P.'s at same price.
Also 300,000 fine young roses in 2½ inch pots. Send for lists. Full general stock.
THE NATIONAL PLANT COMPANY, Dayton, Ohio.
Mention the Florists' Exchange when writing.

Boston.

The Market.

Business has fallen off somewhat this week, and flowers have already become more plentiful, causing a general decrease in prices on everything. American Beauty are more abundant, with the advent of a little mild weather, and are not sought for so much. The finest special grade now brings but $35 and $40 a 100, with fair and ordinary grades at from $12.50 to $25. Smaller roses realize $6 to $10. The advent of Jacqueminot and Ulrich Brunner no doubt affects the sale of Beauty. The former variety make from $1 to $3 a dozen, while Brunner go at from the former price to $4 a dozen for fine grade. Bride and Bridesmaid are in nearly the same condition as Beauty—increasing in quantity, but with a decrease in the demand, and a consequent falling off in values. These roses, if of good quality, average $12.50 a 100, though a limited supply of extra stock goes as high as $16. Smaller grades range in price from $2 to $8 per 100. Carnations, too, are a little more plentiful, but there is a very good, steady demand for the finer grades, which clean up well daily, averaging $2.50 and $3 a 100. The ordinary grades, however, are more plentiful, and go at from $1 to $2 a 100, the latter price being a good average.

Bulbous stock is now becoming druggy and it is found to be very difficult to clean out the market of the heavy daily consignments. A few Golden Spur fetch $4 a 100, and Horsfieldii, which are in limited supply, make $5 and $6. Tulips are very plentiful and in great variety; single ones bring $2 to $3 a 100, while the doubles, which sell well, make $3 to $4. Dutch hyacinths do fairly well at $3 to $4 a 100.

Lilies are still scarce, and if of good quality easily bring $1.50 to $2 a dozen. Callas are plentiful, as also is valley. Violets are very druggy, making anywhere from 20c. to 50c. per 100, a few extras going to 60c. and 75c. a 100.

Wm. S. Ewell & Sons are now bringing in a fine lot of bulbous goods in pans, such as daffodils, trumpets, tulips of all kinds, hyacinths (Dutch and grape), crocuses, scillas, etc., besides a fine lot of azaleas in all sizes.

A Lecture on Carnations.

C. W. Ward, of the Cottage Gardens, Queens, L. I., delivered a very interesting lecture on "Carnations and Their Development," on Saturday last, at Horticultural Hall, before the Massachusetts Horticultural Society. He illustrated his lecture with lantern slides. There was quite an interesting collection of new carnations.

The Cottage Gardens showed vases of G. H. Crane, Mrs. G. M. Bradt, Maceo, Roosevelt and two of seedlings, one labeled selected seedlings, the other original seedlings. Among the other novelties shown were a fine vase of No. 666 from Dailledouze Bros.; Olympia, from John N. May, Summit, N. J.; Genevieve Lord, from H. Weber & Sons, Oakland, Md.; The Marquis, from L. E. Marquisee, Syracuse, N. Y.; Eleanor Ames and May Whitney, from D. Carmichael, Wellesley, Mass.; seedlings, from J. Tailby & Son, Wellesley, Mass.; mixed carnations, from M. A. Patten, Tewksbury, Mass.

On Saturday, March 17, the final lecture of the series will be delivered by Geo. S. Butler, Cromwell, Conn., on the subject of "Japanese Plums."

F. J. N.

Buffalo.

Market Notes.

Trade has gotten to a rather low ebb, with flowers amply plentiful or more. Some attempts are making of bargain lots on some days.

Jottings Here and There.

S. A. Anderson usually keeps a fairly arranged and liberally displayed window arrangement, generally in loose flowers.

Palmers' had a show novelty last Saturday in antirrhinums.—good, well-grown spikes on stems of about regulation size and growth. A fine pot plant specimen of bougainvillea in flower attracted a good share of attention. A Daybreak sport, grown by this firm, deeper than the ordinary shade, sells well.

Wm. Scott and W. J. Palmer, Sr., visited Toronto and the carnation show there last week, and reported a pleasant occasion.

W. C. Stroh, of Attica, N. Y., was a caller on Tuesday of this week. He makes a specialty of carnations. Several houses of violets are also grown. He reports favorable results now in whites, with Flora Hill and Storm King, and Genesee hardly holding its previous record in earliness. Crane is his red. He has a sport from Scott, deeper in color, which is being propagated on account of its favorable quality. Daybreak has also sported with him in a solid self-shade that is pleasing.

VIDI.

Pittsburg.

The Market.

Trade has been a little quiet the past week; funeral work helped to break the dullness somewhat. Stock is very abundant and of good quality. Prices remain about the same, excepting a slight drop in roses.

Club Items.

The monthly meeting of the Florist' Club, held last week in the Pittsburg Cut Flower Co.'s store room, was not so well attended as usual. Wm. Lanch exhibited a fine bunch of the two new carnations sent to him—The Marquis, from L. E. Marquisee, Syracuse, N. Y., and Genevieve Lord, from H. Weber & Sons, Oakland, Md. The flowers were exceptionally fine and much admired. It was decided that the club hold a smoker on the evening of March 22, in the large store room of the Pittsburg Cut Flower Co., on Liberty street, the invitations for which are already out and very unique—some of the secretary's handiwork. Pipes, tobacco stems and some light refreshments will be served and a pleasant evening may be anticipated, so let all members come.

Geo. Oesterle, assistant secretary of the club, will likely hand around genuine Havanas—another bouncing boy was added to his family circle, making George feel bigger than ever.

E. C. R.

West Hampton, L. I.

W. F. Jagger has just returned from Bermuda, where he has been for three weeks. He reports very little disease among the lilies. Crops are looking fine. He received a large order for rooted cuttings of carnations for the Public Garden, and shipped them by last steamer.

CHRYSANTHEMUMS

Belle of Castlewood, Mrs. J. G. Whilldin,
Bonnaffon, Mrs. S. T. Murdock,
Cullingfordii, Mrs. J. J. Glessner,
Eugene Dailledouze, Mrs. H. Weeks,
Glory of the Pacific, Mrs. O. P. Bassett,
Ivory, Niveus,
J. Woodford, Rose Owen,
Liberty, The Queen,
Minerva, V. H. Hallock,
Mme. F. Bergmann, Wm. H. Lincoln.

From 2½ in. pots, $2.00 per 100.

VERBENAS In 10 best varieties, from 2½ in. pots, strong plants, $2.00 per 100.

Cash with Order. Price List on Application.

R. VINCENT, JR., & SON, White Marsh, Md

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HOW TO Grow Chrysanthemums

82 pages, well illustrated. A practical compilation of matter contributed by many of the leading experts of the day. By far the best work on this subject ever written. It contains instructions for each month in the year, also Chapters on Training, Diseases, Seed Saving, etc. **ONLY 25 CENTS.**

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WALTER MOLATSCH

New Early Yellow Chrysanthemum.

THREE CERTIFICATES A. C. S.

Price, 50c. each; $4.00 per doz.; $25.00 per 100.

For Sale by

DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y.

AND

H. A. MOLATSCH, - - - Brooklyn, N. Y.
68th St., bet. 8th and 9th Aves.

Mention the Florists' Exchange when writing

CARNATIONS ROOTED CUTTINGS.

Wm. Scott	per 1000,	$10 00
Maude Adams	per 100,	3 50
Mrs. F. Joost	per 100,	2 50
Lady Emma	per 1000,	12 50

☞ Unrooted at half price.
☞ Write for prices on large lots.

CHARLES LENKER, Freeport, L. I.

Mention the Florists' Exchange when writing.

Ethel Crocker Absolutely the best Pink CARNATION ever offered the Trade. . . . .

A fact fully borne out by its record, being equally good with Craig, Hill, and myself. (An assurance that it is not a success in one soil and a failure in another.) By its having been shown at the Flower Shows and Clubs since early in September. (An assurance that it is not a good late carnation, but an all season variety.)

In color, size, fragrance and stem it is just what the "storemen" want.

In habit, constitution and freedom of bloom, it is just what the grower wants. It produces more flowers to the square foot than any other known variety, and is never out of crop from September to July.

With 18,000 stock plants to work from there is no danger of it being over-propagated, and all orders intrusted to me will be filled with cuttings selected from the plants and the order filled by myself, thus doubly assuring good stock.

Honest sample blooms furnished, prepaid, at $1.00 per dozen. Amount deducted from all orders for 100 or over. Up to date, every sample excepting one out of several hundred sent, has brought an order.

PRICE—Per 100, $10.00; per 25, $2.50; per 1000, $75.00; per 250, $18.75.

☞ **PRICE LIST FOR STANDARD VARIETIES READY NOW.**

HERR'S PANSIES—Good little plants at 75 cts. per 100; $4.00 per 1000.

ALBERT M. HERR - - Lancaster Pa.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000		Per 100	Per 1000
Mrs. Lawson	$14 00	$120 00	Mrs. McBurney	$2 00	$15 00
G. H. Crane	5 00		Flora Hill	1 25	10 00
America	5 00	40 00	Daybreak	1 25	10 00
White Cloud	2 50	20 00	Argyle	1 25	10 00
Frances Joost	2 50	20 00	Armazindy	1 25	10 00
Triumph	2 50	20 00	Lizzie McGowan	1 00	7 50
Evanston	2 50	20 00	Mayor Pingree	1 00	7 50
Jubilee	2 00	15 00	W. Scott	1 00	7 50
Gold Nugget	2 00	15 00	Tidal Wave	1 00	7 50
			Morella	1 00	7 50

ROSES.

	Per 100	Per 1000		Per 100	Per 1000
La France	$2 00	$17 50	Meteor	$1 50	$12 5
Perle	1 50	12 50	Bride	1 50	12 5
Bridesmaid				1 50	12 50

LA FRANCE, BRIDESMAID, BRIDE, PERLE,
2½ inch plants, from pots, $3.50 per 100; $30.00 per 1000.

Stock to be first-class and to be sold under the conditions that they shall be returned immediately if not satisfactory. Address

GEORGE REINBERG,

Mention this paper. 51 Wabash Avenue, CHICAGO, ILL.

Mention the Florists' Exchange when writing.

CARNATION Cuttings.

	Per 100	1000
MRS. LAWSON	$14.00	$120.00
G. H. CRANE	5.00	
AMERICA	3 00	25.00
MELBA	3.00	25.00
LESLIE PAUL	3.00	25.00
GOV. GRIGGS	3.00	25.00
MRS. BRADT	2.50	20.00
FRANCES JOOST	2.50	20.00
EVANSTON	2.50	20.00
JUBILEE	2.00	15.00
NUGGET	2.00	15.00
WHITE CLOUD	2.00	15.00
FLORA HILL	1.50	12.50
TRIUMPH	1.50	12.50
VICTOR	1.50	12.50
DAYBREAK	1.25	10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
McGOWAN	1.00	7.50
MAYOR PINGREE	1.00	7.50
NIVEA	1.00	7.50
EVELINA	1.00	7.50
WM. SCOTT	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS

	Per 100	1000
BRIDE	$1.50	$12.50
BRIDESMAID	1.50	12.50
METEOR	1.50	12.50
PERLE	1.50	12.50
GOLDEN GATE	2.50	

All plants and cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded.

Write for prices on larger lots.

PETER REINBERG,
51 Wabash Ave., Chicago.

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ROOTED CUTTINGS OF CARNATIONS.

Both new and old varieties at lowest prices for good stock. Special rates on orders booked for future delivery. Satisfaction or money refunded. Send for price list.

GEO. A. RACKHAM, 880 Van Dyke Avenue, DETROIT, MICH.

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GRALLERT & CO.
Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

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Rooted Cuttings of New and Standard

CARNATIONS.

SEND FOR PRICE LIST.

WM. SWAYNE, Kennett Square, Penn.

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EVANSTON—Cuttings

Get your Rooted Cuttings of **EVANSTON**, orange scarlet, money maker, from original stock.

Price, $2.50 per 100; $20 per 1000.

ADDRESS

M. WIELAND, 1917 Maple Avenue, EVANSTON, ILL.

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CARNATIONS

Large Stock of Strong Rooted Cuttings Now Ready.

G. H. CRANE, MORNING GLORY, MACEO, GLACIER, GOMEZ, AMERICA, RED MRS. BRADT (or Chicago), MARY WOOD and other good standard sorts.

MRS. GEO. M. BRADT for March delivery—all the early stock sold.

FIVE 1900 NOVELTIES.

MRS. THOS. LAWSON, ETHEL CROCKER, THE MARQUIS, OLYMPIA and GENEVIEVE LORD. At introductory prices.

We make a Specialty of Rooted Cuttings, and have three houses of stock growing for that purpose only.

Send for Descriptive Price List.

F. DORNER & SONS CO.,

LAFAYETTE, IND.

Mention the Florists' Exchange when writing.

Carnations, Rooted Cuttings, Crane, $6 per 100; America, $5 per 100; White Cloud, $4 per 100; Jubilee, $3 per 100; Scott, Daybreak, Victor, F. Hill, McGowan, Evelina, Genesee, Eldorado, $1.25 per 100, $10 per 1000.

Roses, 2-inch Pots, Select Stock. American Beauties, 5 cts.; Perles 4 cts.; Brides and Bridesmaids, 3 cts. Send for list of other varieties.

WM. MURPHY, Sta F, Cincinnati, O.

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Now ready of all the leading varieties. All stock guaranteed A1.

If not satisfactory, money refunded.

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Greenhouses and Address, JOLIET, ILLS.

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Mrs. Fisher Carnations

From soil, $1.00 per 100; 2¼ in. pots, $2.00 per 100.

Chrysanthemums Merry Monarch, Bonnaffon, and Merry Xmas, $2 per 100. Cash with order.

WM. KEIR, Pikesville, Md.

Mention the Florists' Exchange when writing.

CARNATIONS.

Rooted cuttings, clean, cool grown stock. Freedom, Daybreak, Dana, John's scarlet, Marigold, $1.50 per 100.

Bon Ton, John Young, $2.50 per 100.

Gen. Gomez, $4 50, and Maceo, $6.00, per 100. Transplanted, 50c. per 100 more. Cash, please.

W. G. KRABER,

36 Tremont St., NEW BEDFORD, MASS.

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CARNATIONS

Strong, well-rooted plants from flats and soil.

	Per 100.	Per 1000.
Wm. Scott	$2.00	$15 00
Rose Queen	2.50	20.00
Eldorado	2.00	15.00
Lizzie McGowan	1.50	12.00
Mrs. Fisher	1.50	12.00
Portia	1.50	12.00
Thos. Cartledge	2.50	20.00

Our aim is to supply a superior quality of plants only. Cash with order.

W. T. & F. P. BUTZ, Newcastle, Pa.

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Rooted Cuttings of Carnations

NOW READY

Jubilee, White Cloud, New York, and all standard varieties. Write for prices.

VIOLETS Orders booked now for rooted cuttings. If you want the best stock obtainable give us your order now for April delivery and you will get the best.

CRABB & HUNTER, Grand Rapids, Mich.

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Commercial Violet Culture

Price $1.50. Send for Prospectus.

A. T. DE LA MARE PTG. & PUB. CO., Ltd., New York.



CARNATIONS

Rooted Cuttings.

Flora Hill, $1.50 a 100, $14.00 per 1000.
Lizzie McGowan, $1.00 a 100; $9.00 a 1000;
Wm. Scott, $1.00 a 100. $9.00 a 1000.

AGERATUM

Cope's Pet. blue; Lady Isabel, white, 60c. a 100; $5.00 a 1000.

COLEUS

Tweety best named varieties, including C. Verschaffeltii and Goldeo Bedder, all money makers, R. Cuttings, 70c. a 100; $6.00 a 1000.

DAISIES California, white, Yellow Castle, yellow, the best all-round Daisies: both stand the heat and dry weather. Well-rooted Cuttings, $1.00 per 100; $9.00 per 1000; 2 in., strong, $2.00 per 100.

DOUBLE GIANT SWEET ALYSSUM

Rooted Cuttings, $1.00 per 100.

HELIOTROPE 10 best named sorts, $1.00 per 100; $8.00 per 1000. 2 inch, very strong, $2.00 per 100.

We pay the express on all R. Cuttings. Our guarantee goes with everything we send out, to please you; for that CASH, PLEASE. Send for list.

C. HUMFELD, Clay Centre, Kas.

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Rooted Cuttings—Carnations

Gomez, Maceo, Jubilee, White Cloud, Flora Hill, Daybreak, Scott, McGowan, Portia, Eldorado and Anna Webb.

WRITE FOR PRICES.

EDW. J. TAYLOR, Southport, Conn.

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CARNATIONS John Young, New York, Eldorado, Hector, $1 50; G. H. Crane, $6; White Cloud, $4; Mrs. Jas. Dean, $3 a 100. Unrooted John Young and New York at half price.

GERANIUM, Gen. Grant, S. A. Nutt, La Condahie, 3 inch, $3.00.

DOUBLE PETUNIAS, 2½ inch, $2.00.

HELIOTROPE. Rooted, $1.00; 2 inch, $2.00. Orders for started Cannas booked.

Wanted, some thousands of Cannas, Florence Vaughan and Alphonse Bouvier, at lowest cash price.

WILLIAM STUPPE, Hollis, L. I., N.Y.

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ROOTED CARNATION CUTTINGS.

ETHEL CROCKER	$10 00 per 100
THE MARQUIS	10 00 "
G. H. CRANE	5 00 "
WHITE CLOUD	2 50 "
MRS. JOOST	2 00 "
VICTOR	1 25 "
DAYBREAK	1 25 "

H. F. LITTLEFIELD, Worcester, Mass.

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R. C. CARNATIONS, CLOSING OUT PRICES.

	Per 100
Mrs. Thos. W. Lawson	$12 00
Glympia	12 00
Genevieve Lord	9 00
Morning Glory, light pink	6 00
John Young	1 00
White Cloud	2 00
Mrs. G. Bradt	3 00
Gold Nugget	2 00
Argyle	75
Armazindy	$ 75
Flora Hill	1 00
America	3 00
Melba	2 00
Glacier	2 50
Maude Adams	2 00
Empress	75
Psyche	75
Mary Wood, fine	3 00

UNROOTED CARNATION CUTTINGS.

	Per 100
G. H. Crane	$2 00
Glacier	1 50
Mrs. G. Bradt	1 50
Melba	1 50
Gold Nugget	1 00
Flora Hill	$ 50
Mary Wood	1 50
White Cloud	1 00
America	1 75

Unrooted Cuttings Prepaid by Mail.

PLANTS—ALL GOOD STOCK.

	Per 100
GERANIUMS:	
De Roo Mitting, 2¼ in.	$7 00
Double Snow Drop, "	7 00
Mme. Salleroi, "	2 00
Named, our selection only, "	2 00
New Yellow Baby Primrose, in bloom, 2¼ in.	7 00
Salvia, Clara Bedman, "	1 50
Coleus, named, "	1 50
Petunias, Mixed Doubles, "	2 00
Petunias, Mixed Doubles, 3 in.	3 00
Primula Obconica, in bloom, 3½ in.	3 00
Primula, Chinese, in bloom, 3½ in.	2 50
Primula, Chinese, in bloom, 2¼ in.	1 00
Primula, Chinese, from flats	50
Begonias, Flowering, 12 named varieties, 2¼ in.	$1 50
Forget-Me-Not, winter bloomer, "	1 50
Ireslnes, red and yellow, "	1 50
Mesembryanthemum, basket plant, 2¼ in.	1 50
California Moss, basket plant, "	1 50
Lobelia, blue, "	1 50
Feverfew, little gem and yellow foliage, 2¼ in.	1 50
Cigar Plant, "	1 50
Abutilons, mixed only	1 50
Roses, Bride, Bridesmaid and Perle, 2¼ in.	2 00

MORRIS FLORAL CO., MORRIS, ILL.

Mention the Florists' Exchange when writing.

New Carnation-ALMA

The most productive Carnation we have. Rose Pink, new, $5.00 per 100; $40.00 per 1000.

Daybreak, $2.00 per 100; $15.00 per 1000.
Wm. Scott, Genesee, Evelina, Portia and **Bon Ton,** $1.50 per 100; $10.00 per 1000.
Victor, $1.50 per 100; $12.00 per 1000.
F. Hill, $1.75 per 100; $15.00 per 1000.
White Cloud, $2.50 per 100; $20 per 1000.
Jubilee, $2.00 per 100; $15.00 per 1000.

BABY PRIMROSE 3 in., strong, per doz., $1.50; per 100, $10.00.

C. MERKEL & SON, Mentor, Ohio

Mention the Florists' Exchange when writing.

Wm. Scott Carnation

Cuttings are going fast, every first order sent out has hatched another, so do not delay but order at once, as they will not last long, at **$6.00 per 1000.**

Mrs. Joost, Melba, $2.50 per 100; $20.00 per 1000.
Flora Hill, Daybreak, $1.25 per 100; $10 per 1000.
General Maceo, $1.00 per 100; $35.00 per 1000.
Victor, Mayor Pingree, $1 per 100; $9 per 1000.
Jubilee, $1.50 per 100; $12.00 per 1000.

10,000 PETUNIA CUTTINGS Well-rooted, double, of the best selected vars., $1.50 per 100; $12 per 1000. Cash with order.

CARL E. TAUBE. Trenton, N. J.

MERCER FLORAL CO.

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GRAND NEW CARNATION OLYMPIA

The largest, the most perfect form and the greatest producer of any large variety on the market. The number of blooms cut per plant for this season to date are more than twice that of Mrs. G. M. Bradt under the same conditions of culture.

Extra fine, strong, rooted cuttings now ready, **$12.00 per 100; $100.00 per 1000.**

All the new varieties of other raisers at advertised rates.
Also the leading standard varieties in selected stock.

JOHN N. MAY, Summit, New Jersey.

Mention the Florists' Exchange when writing.

GENEVIEVE LORD

The Peerless New Light Pink Carnation.

THE demand has been such that we are compelled to announce that stock for delivery prior to March 20 is all sold. Experts agree that it is the best selling pink yet produced. The color is just right, the ladies say, and they surely know. We know, too, that its stems are the grandest of any carnation, quite a factor, too, and more particularly so since it also possesses a size which entitles it to a place in the front row, an odor so sweet as to cause immediate notice, a growth and freedom of bloom which delights the grower; an individuality incomparably its own. This is a striking feature in any carnation, and Genevieve Lord possesses it to a greater extent than any other carnation; this is why it sells so readily and makes the demand for blooms far greater than the supply.

If you want this record-breaker in your list next winter, order at once. If you delay it may be too late.

PRICE, $2.00 per doz.; $10.00 per 100; $75.00 per 1000.

We can also furnish at introducers' prices all of the "big new ones."

Also Best NEW and STANDARD CHRYSANTHEMUMS.

Our Catalogue is now ready and will be sent to all who ask for it.

H. WEBER & SONS, Oakland, Md.

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Wholesale Commission Dealer in
CUT FLOWERS
106 W. 28th Street, New York.
Orders by mail or telegraph promptly attended to. Telephone, 167 Madison Square.
Fine ROSES and CARNATIONS, Specialties.

W. S. ALLEN,
17 West 28th St., New York.
Correspondence Solicited.

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Open every Morning at 6 o'Clock A. M. for the Sale of Cut Flowers.
This is not a commission house; the market consists of individual stands.
Wall Space for Advertising Purposes to Rent.
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VIOLET PLANTS FOR EASTER
Lady Campbell violet plants in 5 and 6 inch pots, 20 to 40 large flowers and buds on each plant. Fine dark color.
Price, $35.00 to $50.00 per 100, F. O. B.
Special quotations on smaller quantities.
Order early to secure best selection.
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Wholesale Commission Dealers in Cut Flowers.

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Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
ORCHIDS A SPECIALTY.
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"Always Ready to Receive Fine Stock."
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Receiving Extra Quality AM. BEAUTIES and all other varieties of Roses.
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...Wholesale Prices of Cut Flowers...

	Names and Varieties	New York Mar. 16, 1900	Boston Mar. 15, 1900	Philadelphia Mar. 15, 1900	Baltimore Mar. 14, 1900	Buffalo Feb. 21, 1900
Roses	A. Beauty, fancy—special	30.00 to 40.00	30.00 to 40.00	40.00 to 50.00	.... to	40.00 to 60.00
	" extra	20.00 to 30.00	20.00 to 25.00	25.00 to 35.00	30.00 to 40.00	30.00 to 30.00
	" No. 1	10.00 to 18.00	10.00 to 16.00	15.00 to 25.00	16.00 to 25.00	10.00 to 15.00
	" Culls & ordinary	2.00 to 4.00	6.00 to 10.00	5.00 to 15.00	6.00 to 12.00	4.00 to 8.00
	Bride, Maid, fancy—spc'l	8.00 to 10.00	.... to 16.00	10.00 to 12.00	.... to	10.00 to 15.00
	" extra	4.00 to 6.00	.... to 12.50	8.00 to 10.00	.... to 8.00	8.00 to 10.00
	" No. 1	3.00 to 4.00	6.00 to 10.00	6.00 to 8.00	.... to 6.00	5.00 to 7.00
	" No. 2	1.50 to 3.00	2.00 to 4.00	3.00 to 4.00	.... to 5.00	3.00 to 4.00
	K. A. Victoria	.... to	.... to	4.00 to 8.00	5.00 to 8.00	.... to ....
	La France	3.00 to 6.00	.... to	.... to	3.00 to 8.00	.... to ....
	Meteor	2.00 to 3.00	3.00 to 12.50	4.00 to 10.00	6.00 to 8.00	3.00 to 10.00
	Papa Gontier	.... to	.... to	.... to	3.00 to 4.00	3.00 to 4.00
	Perle	2.00 to 5.00	.... to	3.00 to 6.00	3.00 to 5.00	3.00 to 5.00
	Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
	Orchids—Cattleyas	35.00 to 40.00	35.00 to 40.00	.... to 50.00	.... to	.... to ....
	Cypripediums	.... to 12.50	.... to	.... to 15.00	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	25.00 to 35.00	.... to	.... to ....
Carnations	Inf'r grades, all colors	.75 to 1.00	.75 to 1.50	.75 to 1.50	.75 to 1.25	.50 to .75
	Standard Varieties White	1.00 to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	1.00 to 2.00
	Standard Varieties Pink	1.00 to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	1.00 to 2.00
	Standard Varieties Red	1.00 to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	1.00 to 2.00
	Standard Varieties Yel.&Var.	1.00 to 2.00	1.50 to 2.50	1.50 to 2.00	1.50 to 2.00	1.00 to 2.00
	*Fancy— White	3.00 to 5.00	2.00 to 2.50	2.00 to 4.00	2.50 to 3.00	2.50 to 4.00
	(*The highest grades of standard var) Pink	3.00 to 5.00	.... to 2.50	2.00 to 4.00	2.50 to 3.00	2.50 to 4.00
	(*The highest grades of standard var) Red	3.00 to 5.00	2.00 to 3.00	2.00 to 4.00	2.50 to 3.00	2.50 to 4.00
	(*The highest grades of standard var) Yel.&Var.	4.00 to 8.00	2.00 to 3.00	2.00 to 4.00	2.50 to 3.00	2.00 to 4.00
	Novelties	10.00 to 15.00	3.00 to 4.00	3.00 to 5.00	.... to	.... to ....
	Adiantum	.50 to .75	.... to 1.00	1.00 to 1.50	.... to 1.00	.75 to 1.25
	Asparagus	35.00 to 50.00	.... to 50.00	35.00 to 50.00	25.00 to 75.00	30.00 to 60.00
	Callas	5.00 to 8.00	6.00 to 10.00	8.00 to 12.50	5.00 to 8.00	8.00 to 12.00
	Hyacinths	.75 to 1.00	1.00 to 4.00	1.50 to 3.00	2.00 to 3.00	3.00 to 6.00
	Lilies	6.00 to 10.00	12.50 to 16.00	.... to	.... to 8.50	15.00 to 20.00
	Lily of the Valley	1.00 to 2.00	2.00 to 3.00	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00
	Mignonette—ordinary	1.00 to 2.00	1.00 to 2.00	1.00 to 3.00	1.00 to 3.00	2.00 to 3.00
	" fancy	2.00 to 5.00	3.00 to 4.00	3.00 to 4.00	.... to	4.00 to 6.00
	Narcissus	.50 to 2.00	1.50 to 4.00	2.00 to 4.00	.... to 2.50	.... to ....
	Smilax	10.00 to 15.00	10.00 to 14.00	15.00 to 20.00	10.00 to 25.00	10.00 to 15.00
	Sweet Peas	.75 to 1.00	1.00 to 3.00	1.50 to 2.00	.... to	2.00 to 3.00
	Tulips	2.00 to 4.00	2.00 to 4.00	3.00 to 4.00	2.00 to 4.00	3.00 to 4.00
	Violets	.25 to .40	.30 to .50	.20 to .60	.25 to .40	.40 to .75
	Violets, special	.50 to .60	.60 to .75	.50 to .75	.... to	.75 to 1.25

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

BOSTON, MASS.
Asparagus Plumosus
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Mignonette
Brides
'Maids
American Beauties
WELCH BROS.
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Meteors
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Can furnish at short notice. Prices according to quality of goods. Long Distance Telephone, 2161 and 2071.

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This Establishment will be Open from 6 a. m. to 11 p. m.
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We have a fine grade of everything in market at present.
Send us a Trial Order and we will do the rest.
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Receiving Daily Fine
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KAISERINS,
METEORS,
BEAUTIES,
Etc.
CUT FLOWERS AT WHOLESALE.

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Special Attention Given to Shipping Orders.

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Fine VALLEY in stock at all times.

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...Wholesale Prices of Cut Flowers...

	Names and Varieties	Chicago Mar. 14, '00	St. Louis Mar. 13, '00	Cincinnati Mar. 13, '00	Milwaukee Mar. 12, '00	Pittsburg Mar. 12, '00	Toronto Mar. 14, '00
Roses	A. Beauty, fancy—special	35.00—40.00	....—	....—	35.00—50.00	35.00—45.00	....—35.00
	" extra	25.00—30.00	....—25.00	....—	20.00—25.00	25.00—30.00	....—25.00
	" No. 1	10.00—15.00	15.00—20.00	....—	12.50—18.00	10.00—20.00	....—10.00
	" Culls & ordinary	4.00— 8.00	5.00—10.00	....—	4.00— 8.00	2.00— 4.00	....— ....
	Bride, Maid, fancy-spec'l	7.00— 8.00	....—10.00	6.00— 8.00	10.00—12.00	8.00—12.00	....—10.00
	" extra	5.00— 6.00	....— 8.00	5.00— 7.00	6.00— 8.00	5.00— 7.00	....— ....
	" No. 1	3.00— 4.00	....— 6.00	....—	4.00— 6.00	3.00— 6.00	....— ....
	" No. 2	2.00— 3.00	4.00— 5.00	....—	3.00— 4.00	2.00— 3.00	2.00— ....
	K. A. Victoria	3.00— 4.00	....—	....—	....—	....—	....— ....
	La France	.... —	.... —	.... —	.... —	.... —	.... — ....
	Meteor	3.00— 6.00	4.00— 6.00	4.00— 7.00	6.00— 8.00	2.00— 8.00	2.00—10.00
	Papa Gontier	2.00— 4.00	4.00— 5.00	.... —	.... —	.... —	.... — ....
	Perle	2.00— 4.00	4.00— 5.00	3.00— 4.00	4.00— 6.00	2.00— 6.00	1.00— 6.00
	Souv. de Wootton	....—	4.00— 5.00	....—	....—	....—	1.50—10.00
	Orchids—Cattleyas	....—	....—	....—	....—	....—	....—25.00
	Cypripediums	....—	....—	....—	....—	....—	....—10.00
	Dendrobium formosum	.... —	.... —	.... —	.... —	.... —	.... — ....
Carnations	Inf'r grades, all colors	.50— .75	1.00— 1.50	....— 1.00	1.00— 1.50	.75— 1.00	.50— 1.00
	Standard Varieties White	1.00— 1.50	1.50— 2.0	1.50— 2.00	1.00— 1.50	1.50— 2.00	1.00— 3.00
	Standard Varieties Pink	1.00— 1.50	1.50— 2.00	1.00— 1.75	1.00— 1.50	1.50— 2.00	1.00— 3.00
	Standard Varieties Red	1.00— 1.50	1.50— 2.00	1.50— 1.75	1.00— 1.50	1.50— 2.00	1.00— 3.00
	Standard Varieties Yel. & Var.	1.00— 1.50	1.50— 2.00	....— 2.00	1.00— 1.50	1.50— 2.00	2.00— 3.00
	*Fancy (*The highest grades of standard var) White	2.00— 3.00	....— 3.00	3.00— 4.00	2.00— 4.00	2.50— 3.00	4.00— 5.00
	*Fancy (*The highest grades of standard var) Pink	3.00— 4.00	....— 3.00	3.00— 4.00	2.00— 4.00	2.50— 3.00	4.00— 5.00
	*Fancy (*The highest grades of standard var) Red	3.00— 4.00	....— 3.00	3.00— 4.00	2.00— 4.00	2.50— 3.00	4.00— 5.00
	*Fancy (*The highest grades of standard var) Yel. & Var.	2.00— 3.00	....— 3.00	3.00— 4.00	2.00— 4.00	2.50— 3.00	4.00— 5.00
	Novelties	.... —	.... —	.... —	.... —	.... —	.... — ....
	Adiantum	.50— 1.00	1.00— 1.25	....— 1.00	....— 1.25	....— 1.00	....— 1.00
	Asparagus	40.00—50.00	.... —	25.00—50.00	....—60.00	35.00—50.00	20.00—50.00
	Callas	8.00—12.00	10.00—12.50	....—10.00	10.00—12.50	10.00—12.00	4.00—10.00
	Hyacinths	2.00— 6.00	2.00— 3.00	3.00— 8.00	4.00— 6.00	1.50— 4.00	2.00— 7.00
	Lilies	10.00—12.00	10.00—12.50	10.00—12.00	....—12.00	12.00—15.00	....—10.00
	Lily of the Valley	2.00— 3.00	....— 3.00	3.00— 4.00	....— 5.00	3.00— 4.00	2.00— 4.00
	Mignonette—ordinary	2.00— 4.00	.... —	.... —	....— 2.00	.75— 1.00	2.00— ....
	Mignonette—fancy	.... —	.... —	.... —	....— 3.00	2.00— 3.00	....— 6.00
	Narcissus	2.00— 3.00	....— 3.00	2.00— 3.00	.... —	.... —	1.00— 3.00
	Smilax	10.00—12.00	12.50—15.00	12.00—15.00	12.50—15.00	10.00—15.00	15.00—25.00
	Sweet Peas	1.50— 2.00	.50— 1.00	.... —	....— 3.00	1.00— 1.50	.... — ....
	Tulips	2.00— 4.00	2.00— 4.00	2.00— 3.00	2.00— 4.00	2.00— 4.00	.75— 3.00
	Violets	.20— .25	....— .20	.25— .50	....— .50	.25— .40	.30— .75
	Violets—special	50— .75	.30— .50	.50— .75	.75— 1.00	.50— .75	.75— 1.25

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From 2-inch pots; $3 per 100; $25 per 1000.
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Well-established plants, from 2½ inch pots:

	100	1000		100	1000
Bride	$4 00	$35 00	Perle	$4.00	$35.00
Bridesmaid	4.00	35.00	Am. Beauty	6.00	50.00
Meteor	4.00	35.00	Morgan	6.00	50.00

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Color—The darkest blue grown.
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If you have got enough of raising run-out stock, weakened by unskillful methods of culture, get a stock of this magnificent strain, and my book on Violet Culture, and you can find out the possibilities of profit in growing a **GOOD** Violet.
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Chicago.

State of Trade.

As the weather gets more Spring-like a heavier cut of flowers is very noticeable. It is not so easy to keep the stock cleared off now, and the street men at last are having their inning. This is especially true of violets, carnations and bulbous stock. Even roses are, at last, equal to the demand, with prices somewhat lower, more particularly on shorts and culls. American Beauty have suffered with the others. There are now too many long-stemmed and too few medium flowers to suit the call. Meteor have not been selling so well lately as Bride and Bridesmaid, both of which are now coming in in fine shape. Perle are not over-plentiful. Some Papa Gonlier and Reinberg's Golden Gate add to variety. No hybrids are showing up in this market; in fact, few are grown at all, and none by the big growers. Carnations are now very abundant.

A notable feature of the gluts is less uniformity in prices among the different wholesale houses.

Lilies are in fair supply, callas being rather abundant. Sweet peas are in but are not proving very good sellers as yet. Dutch hyacinths, both in pots and cut, are more abundant; the quality is not high grade, except among those who buy the better class of bulbs.

Round About.

The worm in the rose bud, described in FLORISTS' EXCHANGE, March 3, page 223, tallies exactly with the one so destructive at times at the Reinberg Bros. The American Beauty is another variety attacked by the pest, but its first favorite is La France, then Meteor. It comes on in the Summer, when the young roses are ready to flower, and disappears when cold nights set in. So far, fortunately, it does not appear to have spread to other growers. It was thought to be encouraged by the use of well or slue water, and city water laid on, but that was found to be fallacious.

Adolph H. and John W. Poehlmann, on March 8, bought out the interest of August F. Poehlmann in the large florist establishment at Morton Grove, with salesroom at 51 Wabash avenue, and will hereafter run the business as of old under the firm name of Poehlmann Bros. The retiring brother, it is expected, will start a new florist business for himself.

J. W. Ensweiler, whose greenhouses are at 5325 Morgan street, opened, March 10, a retail store under the name of the Garfield Boulevard Floral Co., at 55th and Halsted street.

E. Wienhoeber and E. Buettner the past week took a trip to Richmond and other cities in Indiana, and while there W. G. Bertermann, of Indianapolis, came to this city especially to visit both these gentlemen.

A perfect specimen of chrysanthemum Minnie Wanamaker was sent to Kennicott's the past week from Wisconsin.

John Brod has purchased Herman Schiller's whole plant (22 greenhouses) at Niles Center. Part of the stock of flowers will find a market at Schiller's city retail stores. Mr. Schiller will by this move earn a well-deserved rest. In 1893 he made efforts to do so by selling out to Otto Mailander, who afterward absconded, and the property came back into Schiller's hands. An incurable infirmity rendered it hard for him to run both places; now, it is to be hoped, after upward of 30 years' close attention to business, some of his trials are ended.

C. L. Washburn has gone for a ten-day trip to West Baden, Ind., to recuperate—ready for the big Easter trade. His family is with him.

The Chicago Horticultural Society will hold the 1900 Fall show again at the Auditorium, same as last year, commencing November 6. The advance premium list will be immediately published. All committees have been appointed. Nicholas P. Miller will be the superintendent.

Ess.

Watertown, N. Y.

Westel W. Greene, a retired florist and nurseryman, was found dead in the cellar of his home, March 9. He was 80 years of age. Mr. Greene had been apparently well and while alone went to the cellar for wood and died, presumably of heart failure, due to old age. He had been in business here since 1853 and was well known and respected. He leaves a widow, two sons, William G. and J. Frank, of Watertown, and two daughters—Mrs. George N. Sayles, of Watertown, and Mrs. Trench, of Newark, N.J.

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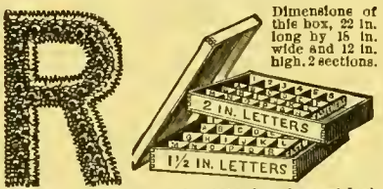

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STANDARD FLOWER POTS
FIRST QUALITY. CREAM COLOR.

1¾ in., per 1000	$2 40		3½ in., per 1000	$4 95	
2 in., "	2 75		4 in., "	6 20	
2½ in., "	3 35		5 in., "	10 80	
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Packages extra.
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Packed in small crates, easy to handle.

	Price per crate			Price per crate
150 0 2 in. pots in crate,	$4.80	120	7 in. pots in crate,	$4.80
150 0 2½ " "	5.25	60	8 " "	3.00
150 0 2¾ " "	6.00	48	9 " "	3.60
100 0 3 " "	5.00	48	10 " "	4.80
800 3½ " "	5.80	24	11 " "	3.60
500 4 " "	4.50	24	12 " "	4.80
320 5 " "	4.51	12	14 " "	4.80
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Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.
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This product is a complete fertilizer for all Greenhouse Plants, Fruits, Vines, Flowers and Farm Plants. Ten days after use it will show its beneficial nourishing action on the plants, and it contains ingredients which will continue to benefit the plants for a whole year.
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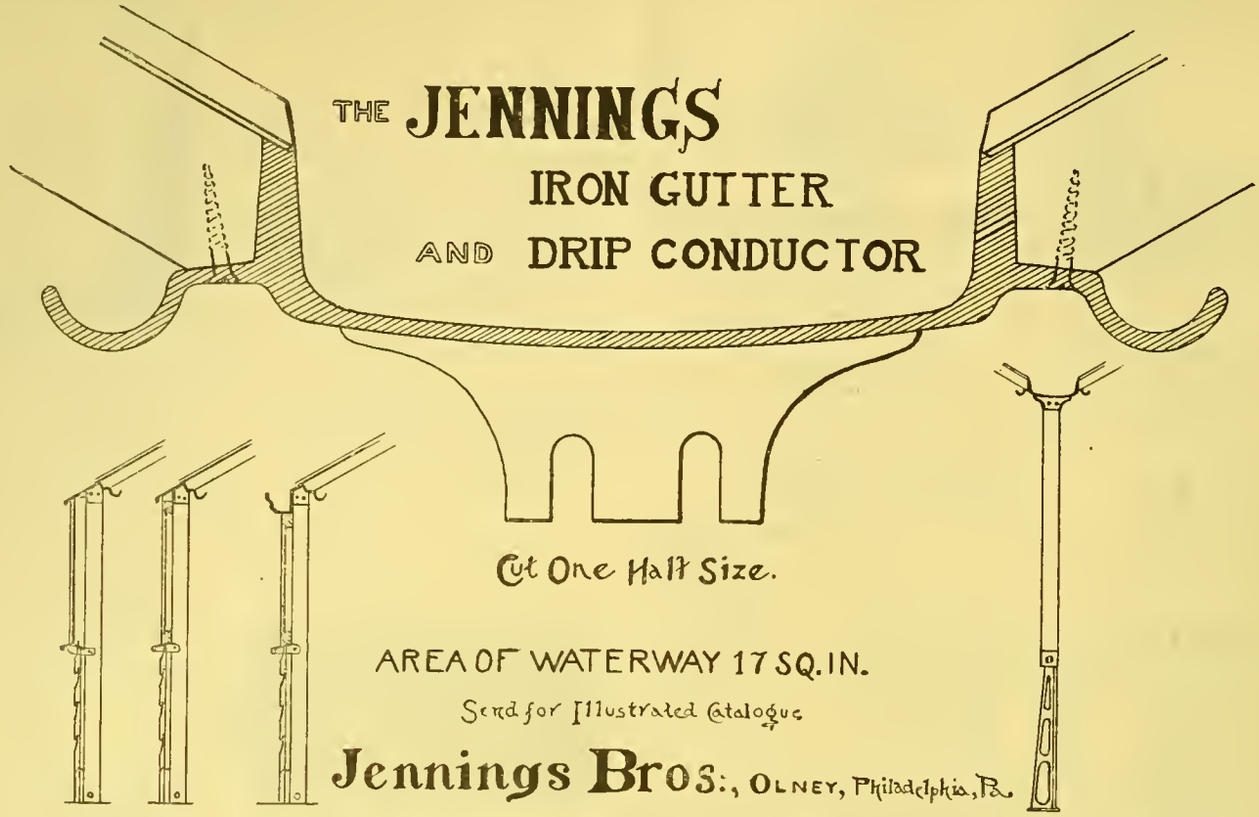

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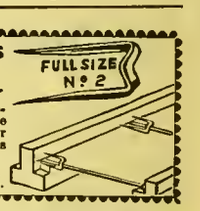

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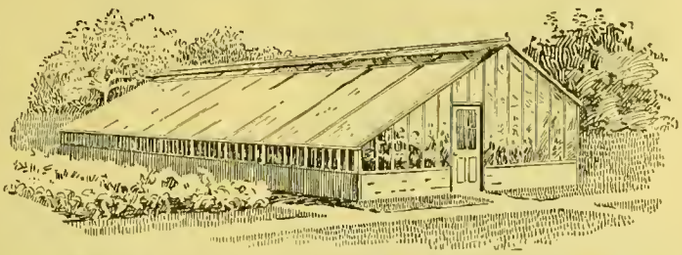

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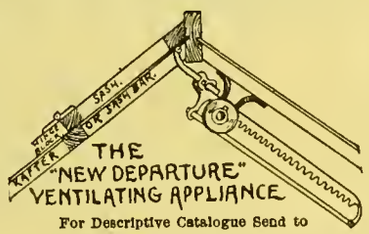

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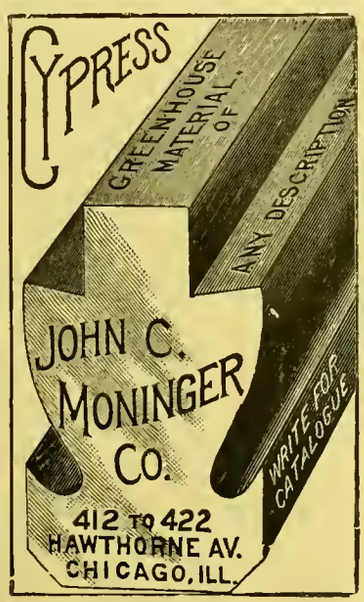

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WIDTH FROM END OF BAR TO END OF OPPOSITE BAR 10 IN.
WIDTH OVER ALL 15 INCHES.
WEIGHT 65 LBS.
TESTED TO 4700 LBS. CARRYING CAPACITY.
DRILLED FOR ANY SIZE GLASS.
MADE TO FIT ANY STYLE POST.
2-IN. IRON PIPE IS RECOMMENDED.



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Gorton Side Feed Boiler

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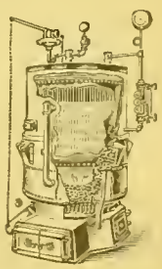

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Stems, fresh packed, bale or case of 300 lbs., $1.50.
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Extract .....gallon, $1.25; 5 gallons, 4.25.
Nikoteen .....$1.50 per pint; 5 pints, 7.00.
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Full line of Insecticides and Appliances.
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5,000,000 Hardy Cut Ferns
Fancy, 75c. per 1000.
Dagger, $1 per 1000.

Laurel roping 4c. yard; fine Sphagnum Moss 50c. a sack; second grade 35c.; Bouquet Green, roping 4c. yard, loose 2½c. lb. Cash with all orders. Orders by mail or dispatch promptly attended to.

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	1000	10,000
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15-24 inch stems	$4 50	$36 00
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Small sizes	from 1 50	11 25 up.
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HARDY Cut Ferns!

$1 00 PER 1000.

GALAX LEAVES . . . $1.00 per 1000
BOUQUET GREEN . . . 4 cts. per lb.
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BOUQUET GREEN WREATHING, all sizes made to order, 3 to 8 cts. per yd.
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by selling TOCACCO WHALE OIL SOAP and TOBACCO DUST during their leisure moments; have them send for my sample outfit, postage prepaid. A Bicycle in addition to a commission to boy selling largest quantity of TOBACCO WHALE OIL SOAP by July 1st. If he does not want a bicycle, I will give him his choice of any article that can be purchased for $25.00. Should a tie occur the prize will be divided equally.

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Galax Leaves

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For Five Dollars

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1000 FANCY FERNS,
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100 LEUCOTHOE SPRAYS and
1000 of both colored GALAX LEAVES.

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PREPARED PALM MATERIAL.

Selected Palmetto Leaves, good shape with long stems. Three sizes: Small, Medium and Large.—



Dried and Cured only, $5, $6 and $7 per 1000.
Prepared and Pressed Leaves, only need painting, $12, $15 and $19 per 1000.
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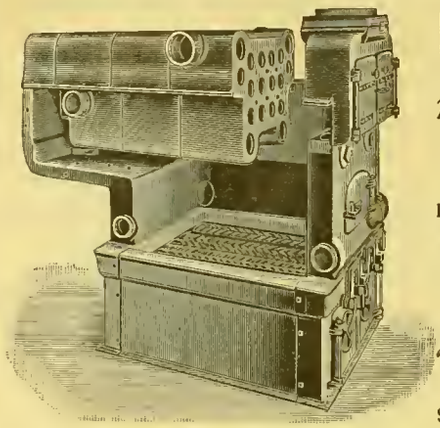

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Iron Frame Benches with the "Perfect Drainage Bench Tile" for Slate Tops.

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Green Saw Palmetto or Chamærops, large size, long stems, $5 per 1000, GREEN.
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"New" Enameled POTCOVERS superior to anything in the market. Any color you desire.

6 inch.....$3 per dozen	9 inch.....$6 per dozen	11 inch.....$8.25 per dozen
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8 inch..... $5 per dozen		

Stands to match 75 cents each.

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This stock is in the very best possible shape, and will be found to be exceedingly good value.
Extra fine heavy plants, 10 inch pans, **$1.50** and **$2.00** each, according to size.

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Fine plants, 12 inch pans, **$1.50** and **$2.00** each, according to size.

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We have also a splendid lot of this variety in smaller sizes, as follows:—

Nice plants, 2½ inch pots.....per 100, **$5.00**
Extra fine plants, 4 inch pots.. " **25.00**
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KENTIA FORSTERIANA.

5 inch pots, 16 inch high.....per dozen, **$6.00**
7 inch pots, 2½ to 3 ft. high, **$1.50** to **$2.00** each.

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7 inch pots, 2½ ft. high, extra heavy plants.....**$2.00** each.

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7 in. pots, 28 in. high, each, **$2.00** 7 in. pots, 32 in. high, each, **$2.50** 7 in. pots, 36 in high, each, **$3.00**

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Extra fine stock, 2½ inch pots.....per 100, **$4.00**
Extra fine stock, 3½ inch pots..... " **8.00**

CYCAS REVOLUTA Fine plants, in 5 in. and 6 in. pots, per doz., **$6** to **$9.**

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6 inch pots, 15 inch high, bushy.....per doz., **$6.00**
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5 inch pots, 12 inch high, well-colored....each, **$0.75**
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Larger specimen plants, **$2.50** to **$3.00** each.

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We have a large stock of fine specimens, well-trimmed, 3 to 4 ft. high, **$2.00** each.

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Perfectly hardy out-doors, and useful for forcing. Large plants,

	Each	Doz.	100
15 in. high, 20 or more buds.	$0.30	$3.00	$20
18 " 30 " "	.50	5.50	40
20 " 40 " "	1.00	10.00	80

CLEMATIS.
Jackmanni purple, Jackmanni white, Mme. Baron Veillard, light lilac, Henryi, pure white: Strong large plants and roots, 2 years old, 35c. each; $3.50 per doz.; $25.00 per 100.

ARISTOLCHIA SIPHO.
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Strong roots and vines, 6 ft. high, 30c. each; $3.00 per doz.; $20.00 per 100.

WISTARIA—Blue or White
Extra strong roots and vines, 7 ft. and over in length, 30c. each; $3.00 per doz.; $20 a 100.

HONEYSUCKLE.
Extra strong large roots and vines 9 ft. long, 20c. each; $2.00 per doz.; $15.00 per 100.

BOX TREES—Pyramids.
Well shaped clipped specimen trees:
3 feet high.....$1.50 each; $15.00 per doz.
4 " " ..... 2.00 " 20.00 "
5 " " ..... 3.00 " 30.00 "

ROSES.
Low budded hardy hybrids in following sorts, your selection. 10 of one kind for $1 25; $11.00 per 100.

Gen. Jacqueminot, Flaher Holmes, Mrs. John Laing, Perle Blanche, Prince Camille de Rohan, Baltimore Belle, Mme. Plantier, Prairie Queen, Mme Gabriel Luizet, Duke of Edinburgh, Red Moss, Robert Lesort (moss), William Lobel (moss), Napoleon's Hat (moss), Col. Laport (moss), William Paul (moss), Persian Yellow.

BULBS.

CALADIUM ESCULENTUM.
(Elephant's Ear.)
Bulbs measuring 7 to 9 inches around, sound center shoots, 60c. doz; $3 75 a 100; $35 a 1000. 9 to 11 inch bulbs, monstera. $1.00 per doz.; $7.00 per 100; $60.00 per 1000.

GLADIOLUS.
First size bulbs, fine mixed, 25c. per doz.; 75c. per 100; $6 50 per 1000.

BULBS.

CANNAS. Large dormant pieces.
Ausiria, the finest of all yellows, 50c. per doz.; $1.50 per 100.
Paul Marquant, salmon and carmine, very fine, 50c. per doz.; $1.50 per 100.
Robusta, best dark foliage, 50c. per doz.; $1.50 per 100.

TUBEROSES. Excelsior Pearl.
First size bulbs, 3 to 4 inches around, every one flowers, 50c. per 100; $3.00 per 1000, or barrel of 2000 bulbs, for $5.00.
EXTRA SIZE, 4 to 6 inches around, 75c. per 100; $6.50 per 1000.

CLUCAS & BODDINGTON CO., 342 W. 14th St., N.Y.City. Telephone, 461 18th.
Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS.

WE ARE NOW FILLING ORDERS

In order of receipt, for Rooted Cuttings of the Famous

Mrs. Thomas W. Lawson,

The $30,000 Queen of **CARNATIONS.**

Prices:

Per dozen	$3
Per 100	$14
Per 1000	$120
Per 5000	$500
Per 10,000	$800

Terms: Strictly Cash, or C.O.D. from Unknown Parties.

The quoted prices are for THE TRADE ONLY, and all orders must be from dealers. Cuttings will be carefully packed under the supervision and sent direct from the establishment of the originator and grower,

PETER FISHER, Ellis, Mass.

Address all correspondence and make all checks, money or express orders payable to

Thos. F. Galvin 124 Tremont St., BOSTON, MASS.

SPECIAL OFFERS

Having decided to discontinue the culture of DAHLIAS we now offer our entire stock at the very low prices of $6.00 per 100, $50.00 per 1000, for fine strong field-grown roots.

White Varieties, Purity, Henry Patrick, Snow, Beauty Carol.
Yellow Varieties, Catherine, Mary D. Hallock, Fanny Purchase, Arabella, C. W. Bruton, Mrs. E. C. Monroe, Yellow Bird, Queen Victoria.
Pink Varieties, A. D. Livoni, Apple Blossoms, Nymphæa.
Scarlet Varieties, Aurora, Wm. Agnew.
Fancy Varieties, Red and Black, Le Petit Jean, Josephine, Major Haskins, Mrs. Montifiore, Frank Smith, Grand Duke Alexis, Ruby Queen.

We will furnish 1000 Dahlias in named sorts, strictly our selection of varieties, from above list for $40.00 net, cash with order. Also 1000 mailing roots for $25.00 net, cash with order.

GERANIUMS. A fine lot of novelties and last year's introductions now ready, at $1.25 per dozen, upwards.
CANNAS. Only a few thousand left of McKinley, Bouchard, Burbank, Chabanne, Berat, and Robert Christie, at $3.00 per 100.
ASPERAGUS SPRENGERII. 2 inch stock, $5.00 per 100, $40.00 per 1000.
CARNATIONS. Genl. Maceo, Genl. Gomez, G. H. Crane, White Cloud, Morning Glory, Ethel Crocker, Genevieve Lord, Olympia, Scott, and other varieties ready for immediate shipment.
CHRYSANTHEMUMS. A fine selection of novelties, imported varieties and standard sorts, $3.00 per 100, upwards.

THE COTTAGE GARDENS, Queens, N.Y.

DO NOT LET COLD WEATHER SCARE YOU OFF.



SALVIA SPLENDENS. BONFIRE. Trade packet.....25c.

VERBENA. Fine Mixed, Imported. Trade packet.....25c.

SWEET PEAS. All Varieties. ¼ lb.....15c. Postage, 4c.

ASTERS. Queen Market. Trade packet.....15c.

TUBEROSES. 1000, $5.00

GLADIOLI. Extra Fine Mixed. 100, $1.25

Mention this paper. **WM. ELLIOTT & SONS, 54 and 56 Dey St., N. Y.**

ASTER SEED

Semple's Branching, in white, pink, purple, lavender crimson or mixed. Per ⅛ ounce, 15c.; per ounce, 75c.

Queen of the Market, white, rose, light blue, dark blue, crimson. Per ⅛ ounce, 10c.; per ounce, 60c.

ASPARAGUS SPRENGERI. Per 100, 75c.; per 1000, $5 00.
PLUMOSUS NANUS. Per 100, $1.00; per 1000, $9.00.

STUMPP & WALTER CO., Seedsmen, **50 Barclay St.,** NEW YORK.

Mention paper. WHOLESALE CATALOGUE MAILED FREE.

TUBEROSES=The Pearl

Size, 4 to 6 inches circumference,
Per 1000, **$6.50 Net.**
CASH WITH ORDER.

HULSEBOSCH BROS., Englewood, N. J.
Mention the Florists' Exchange when writing.

NOW IS THE TIME TO BUY

ASPARAGUS PLUMOSUS NANUS SEED—(Home grown), $1.00 per 100 seeds. $9.00 per 1000 seeds.

ASPARAGUS SPRENGERI SEED. New Crop—75c. per 100 seeds; $6.00 per 1000 seeds.

HENRY F. MICHELL
1018 Market St., Phila.
WHOLESALE PRICE LIST OF SEEDS, BULBS &c., ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS.

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ESTABLISHED 1802

THORBURN'S SEEDS

Our Wholesale Price List of

Choice Flower Seeds

FOR FLORISTS

Is now ready. A post card will bring it to you. We have still on hand some of our

LILY OF THE VALLEY PIPS

The finest that come to this country; per 1000, $10.00. Cases of 3000 at $9.00 per 1000.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

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Danish Cauliflower Seed

Early Dwarf Danish Snowstorm, selected up and grown by the leading specialist of Denmark. Always uniform; fine large white heads, early. No better seed offered at any price.

One Quality Only, The Best.
$2.50 Per Ounce. Per Ounce, $2.50.

A. E. WOHLERT, Importer, **Altoona, Pa.**

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BURPEE'S SEEDS

PHILADELPHIA

WHOLESALE PRICE LIST FOR FLORISTS AND MARKET GARDENERS

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SEEDS for Profit

FLORISTS' FLOWER SEEDS

Sweet Peas

Wholesale Catalogue on application.

WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., New York City.

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COX SEED CO.

Wholesale Seedsmen

14 & 16 Ninth Ave., **NEW YORK.**
411, 413, 415 Sansome St., **SAN FRANCISCO.**

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WE ARE GROWERS AND FOUNTAIN SOURCE

OF FOLLOWING SPECIALTIES:

Lima Beans—	These New Vars.	Cosmos, choice
Bush and Pole	California Giant	Sweet Peas "
Kentucky Wonder	Branching Comet Asters	Verbenas "
Tall Germ'n Wax	Centaures Imperialis	Calla Bulbs, Freesia Bulbs
Creaseback	Dianthus, Oriental Beauties	Seeds of all varieties of
All other sorts Pole	Masterpiece Pansy	Acacias
Bermuda Grass	Winter Pineapple Muskmelon	Cypresses
Cassigre	Chilian Watermelon	Eucalyptus
Carrot	Australian Brown Onion	Palms
Celery	Triumph Radish	Thujas
Lettuce	Roselle, or Lemonade Plant	Musa Enseta
Onion	Asters, choice	Camphor Tree
Parsnip		Grevilles
Radish		California Big Trees
Salsify		California Redwood Tree, Etc.
Salt Bush		

Correspondence Solicited.

JOHNSON & MUSSER SEED CO.,
LOS ANGELES, CAL.

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JAPAN LILIES — Auratum, Rubrum, Album

We have a good stock of these bulbs, which are scarce this season.
For prices see our "Book for Florists."

CALADIUM ESCULENTUM Clean, sound bulbs, 5-7 in., $3.00; 7-9 in., $4.50; 9-12 in., $8.00. Lots of 250 at 10 per cent. lower.

ASPARAGUS PLUMOSUS NANUS. We are Headquarters for best American grown seed. Per 100, $1.25; per 1000, $9.00; 5000 for $25.00.

ASPARAGUS SPRENGERI Per 100 seeds, 60 cts.; 250 seeds, $1.25; 1000 seeds, $5.00; 3000 seeds, $13.50.

TUBEROSE BULBS Excelsior Dwarf Pearl, Mammoth bulbs, 6 to 8 in., $1.25 per 100; First size bulbs, 4 to 6 in., $1.00 per 100; $7.00 per 1000 (3000 for $20.00); Medium size bulbs, 3 to 4 in., 50 cts. per 100; $3.00 per 1000.

New York—VAUGHAN'S SEED STORE—Chicago

Mention the Florists' Exchange when writing.

JUST SO! SOW NOW!

HENDER & SONS' famous English Petunias are well known the world over for the superior quality and color of their flowers. Also for their high percentage of double flowers.

We beg to offer same in original sealed packets, as follows:

Petunia Grandiflora Single, striped, trade pkts., 25c. and 50c.
Single, frilled, " 50c.
Double, fringed, " 50c. and $1.00

HARRY A. BUNYARD, 42 W. 28th St., Telephone 2065 Madison Square, **N. Y. City.**

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VICK'S SEEDS

FOR FLORISTS.

All Home-Grown Seeds.

	¼ Oz.	Oz.
Aster, Vick's Daybreak, Pink	$1.50	$4.00
" " Purity, White	2.00	6.00
" Branching Comet, White	2.50	8.00
" Vick's Branching, in colors, White, Pink, Crimson and Purple, each	.25	.75

Trade List, also Garden and Floral Guide, now ready. Send for it.

JAMES VICK'S SONS, Rochester, N.Y.

Mention the Florists' Exchange when writing.

FOR EASTER

		Doz.	100
AZALEA INDICA	Well-budded, very fine plants, 12-14 in. crown, white, rose, red, etc.	$6.00	$50.00
JAPAN FERN BALLS	Not too late to start. 8-10 in. each, 75c.;	8.00	60.00
	Dus, 7-8 in. " 50c.;	5.00	35.00
	" 6-7 in. " 40c.;	4 00	30.00
FERN WREATHS	Made of same Fern, Davallia, extra fine, hang up same as balls, very showy. 8-9 in diam., ea, 40c.; doz., $4. 10-12 in diam., ea., 60c.; doz., $6. **Order quick.**		

BULBS—SOUND, PLUMP. Japan Importation. All these are very SCARCE this Season.

		Doz.	100
Lilium Auratum,	8-9 in	$0.60	$4.50
" "	9-11 in	1.00	7.00
" Rubrum,	6-8 in.	.40	2.50
" "	8-9 in.	.60	4 00
" "	9-11 in	.85	6.00
" "	Monster	1 00	7.50
" Album,	8-9 in.	.75	5.50
" "	9-11 in.	1 00	7.00
Lilium Melpomene,	8-9 in	$0.75	$5 00
" "	9-10 in.	.85	6 50

FINE FOR CUT FLOWERS—

Lilium Batemanni,	salmon color	.50	3.50
"	Coridion and Concolor	.40	2.50
Hemerocallis Aurantica Major		1.50	10.00
Iris Kæmpferi,	50 sorts	1.00	7.50

BEGONIAS, TUBEROUS ROOTED Finest Belgian and English strain, 1½-2 in.—

	Doz.	100	1000
Single, in 5 separate colors	$0.40	$2.50	$20.00
Double, in 5 separate colors, 1-2 in.	65	5.00	45.00
GLOXINIAS Choicest sorts, mixed, 1-2½ inch	.45	3.00	25.00
TUBEROUS EXCELSIOR PEARL	.20	1 00	6.50
GLADIOLI A mixture of very choice kinds, mostly light, many white, bulbs 1¼-1½ in.	.15	.75	6 50
Some large bulbs, 1½-2 in.	.25	1.00	8.50

CANNAS Favorite sorts, at $2.00, $3.00 and $4.00 per 100. **Send for List.**

CALADIUM Esculentum, 5-7 in., 40c. per doz.; $2.50 per 100. 7 9 in., 60c. per doz.; $4 00 per 100. 9-11 in., 80c. per doz.; $6.00 per 100. Fancy leaved, 1-2 in., $1 per doz.; $8 per 100.

SEEDS.

	Doz.	100	1000	5000
Asparagus Plumosus Nanus	$0.15	$1.00	$8.50	$40.00
" Sprengeri	.10	.60	5.00	20.00
Cocos Weddelliana	.15	.90	6.50	30.00
Latania Barbonica		.30	2.25	10.00
Kentia Belmoreana, or Forsteriana	.10	.60	4.50	

SWEET PEA SEED All standard sorts lb., 30c.; 10 lbs., $2 50
Eckford's Choicest Hybrid Mixed lb., 25c.; 10 lbs., $2 00

CINERARIA, PRIMULA, PANSY, READY. Send for List.

Cycas Revoluta, due shortly. Send for prices. Small stock scarce. Don't get left.
We give prices and take orders now for **Lilium Harrisii, Romosa, Narcissus, Japan Longiflorums, Freesias, Callas, Etc.**
Write us. No trouble to give any information desired.

H. H. BERGER & CO., 47 Barclay St., NEW YORK.

Mention the Florists' Exchange when writing.

SPECIAL

ARE YOU LOOKING FOR CASH BARGAINS?

Here Is One of Them!

To close out I offer a few barrels

EXCELSIOR DWARF PEARL TUBEROSES

4½ to 6 inches in circumference.

THE LARGEST EVER OFFERED TO THE TRADE.

At $6.00 per 1000, in quantity not less than 1000. Terms, cash with order.

ROSES, TREE ROSES, CRIMSON RAMBLERS, AZALEAS, CLEMATIS, RHODODENDRONS, and other ORNAMENTAL PLANTS, from the

Boskoop Holland Nursery Association

Now on hand and arriving.

Also SPRING FLOWERING BULBS, CANNAS, GLADIOLUS, DAHLIAS, PÆONIAS, ETC. Send for Price List.

C. H. JOOSTEN, Importer, **85 Dey St., NEW YORK.**

Mention the Florists' Exchange when writing.

Special Offer of Bulbs and Choice Flower Seeds For Seedsmen and Florists.

ASTER, Semple's True Branching, mixed.....¼ oz., 20 cts.; per oz., 50 cts.; per lb., $3.00
" " shell pink, and white and red.....¼ oz., 25 cts.; oz., 75 cts.
ASPARAGUS PLUMOSUS NANUS, per trade packet (25 seeds), 30 cts.; 100 seeds, $1.00; 1000 seeds, $9.00.
" **SPRENGERI**, per trade packet (25 seeds), 25 cts.; per 100 seeds, 75 cts.; per 1000 seeds, $5.00.
BEGONIA, single, tuberous rooted, separate colors.....per doz., 40 cts.; per 100 $2.50.
" " " mixed.....per doz., 35 cts.; per 100, $2.00; per 1000, $18.00.
" double, tuberous rooted, mixed.....per doz., 65 cts.; per 100, $5.00.
GLOXINIAS, choice mixed.....per doz., 50 cts.; per 100, $3.00; per 1000, $27.50.
HYACINTHUS CANDICANS (choice bulbs).....per doz., 25 cts.; per 100, $1.50.
MONTBRETIA Crucosmæflora, yellow and crimson, fine for cutting...per doz., 10c; 100, 60c; 1000 $5.00.
" **Pottsii**, orange and red.....per doz., 10 cts.; per 100, 50 cts.; per 1000, $4.50.
LILIUM TIGRINUM (Tiger Lily).....per doz., 50 cts.; per 100, $2.75.
" " Flore Pleno.....per doz., 65 cts.; per 100, $3.50
TIGRIDIA PAVONIA, alba grandiflora, and orange.....per doz., 30 cts.; per 100, $2.00.
OXALIS, summer flowering, mixed.....per doz., 10 cts.; per 100, 35 cts.; per 1000, $2.50.
IRIS PUMILA, mixed.....per doz., 35 cts.; per 100, $1.25; per 1000, $10.00.
SPOTTED CALLAS, alba Richardia Maculata.....per doz., 40 cts.; per 100, $2.75.
TUBEROSES, No. 1, double pearl, fine large bulbs.....per 100, 75 cts.; per 1000, $6.50.
" No. 2, double pearl.....per 100, 50 cts.; per 1000, $3.50.

Send for new wholesale list for March.

JOHNSON & STOKES, 217 and 219 Market St., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

Excelsior Pearl TUBEROSE Bulbs,

3 to 4 inches in circumference, per 1000, $2.50. Cash with order.

Caladium Esculentum Bulbs,

Sizes four to twelve inches circumference, live center shoot. Write for prices to

JNO. F. CROOM & BRO., Magnolia, N. C.

Mention the Florists' Exchange when writing.

Grand New Giant Cosmos.

PINK BUTTERFLY, 50 cts. per trade packet, $2.50 per oz.

CHARMIAN. Pink with red ring around the eye, 35 cts. per packet, $2.00 per oz.

WHITE POND LILY, 40 cts. per pkt., $2 per oz.

Send for Trade List to

MRS. THEODOSIA B. SHEPHERD,
Ventura-by-the Sea, Cal.

Mention the Florists' Exchange when writing.

Best Quality at Lowest Rates.

ROMAN HYACINTHS,
NARCISSI, FREESIA,

and other French Bulbs for forcing.

BERNARD SON, 29 Boulevard du Musée Marseille, France.

Bulb Grower and Exporter.

Established 1872. Bulbfields-Hyères, Ollioules.

WHOLESALE ONLY.

Mention the Florists' Exchange when writing.

DAHLIAS!

The cream of the lists. Our stock includes the well-tried desirable older varieties as well as the latest acquisition. Booking order now. Be quick.

Undivided Roots in variety, $60.00 per 1000,

Our semi-annual trade list now ready.

THE WM. H. MOON CO.,

Glenwood Nurseries, MORRISVILLE, PA.

Mention the Florists' Exchange when writing.

Trade  Mark.

SUZUKI & IIDA,

11 Broadway, - - NEW YORK.

Large Consignment of

CYCAS REVOLUTA,

Selected stems, 1-6 lbs. each.

TREE FERNS (Cyathea spinulosa)

Stems, 4 in. to 1½ ft.

Due here in the course of this month.

Write for prices.

Mention the Florists' Exchange when writing.



Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Chicago, Ill., President; ALBERT McCULLOUGH, Cincinnati, First Vice-President; F. W. BOLOIANO, Washington, Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

New York.—A. C. Topper, of Topper & Sons, Hillegom, Holland, arrived in the city this week, on his annual tour of the United States.

St. Paul.—The season's trade now drawing to a close has been one of the most prosperous on record, and stocks are being rapidly exhausted. There yet remains several weeks in which to ship "filling in" orders—field corn, grass seed, etc., and early inquiries indicate a very good demand for all field and grass seeds. Brome grass, owing to extensive advertising, has been in very great demand throughout the country. This grass combines so many good qualities that it is destined to become an important product in all future farming in the West and Northwest.

Catalogue sales for March are beating all previous records, though earlier in the season they were somewhat lighter.

John Sim, formerly with L. L. May & Co., of this city, is now with Wm. Elliott & Sons, New York.—VERITAS.

Award of Government Seed Contract.—Tuesday last Secretary Wilson awarded the contract for supplying the U. S. Department of Agriculture with garden, field and flower seed for the year 1901, to the New York Market Gardeners' Association of New York, at their bid of $68,874.12. The other bidders were the Ullathorne Seed Co., of Memphis, Tenn., $67,500; Charles Parker, Santa Clara, Cal., $75,000; The Henry Phillips Seed and Implement Co., Toledo, $77,696.01; J. M. Thorburn & Co., New York, $94,098, and Oscar H. Will & Co., Bismarck, N. Dak., $134,504.34. The bid of the Ullathorne Seed Co. was withdrawn and the award was made to the next lowest bidder.

The total number of packets of seed required is 15,086,968. Of this number 13,936,000 are vegetable seeds, 150,400 field and lawn grass seeds, and 1,000,568 flower seeds. The vegetable seeds comprise beet, cucumber, lettuce, melon, onion, radish, bean, pea and sweet corn, and the field and lawn grass seeds include cotton and tobacco.

The award was made in compliance with the provision of the Act of Congress making appropriations for the Department of Agriculture, which directs the Secretary of Agriculture to expend the amount of the appropriation (as nearly as practicable) in the purchase of and distribution of such valuable seeds, bulbs, trees, shrubs, vines, cuttings and plants, the best he can obtain at public or private sale, and such as shall be suitable for the respective localities to which the same are to be apportioned, and in which same are to be distributed as hereinafter stated, and such seeds so purchased shall include a variety of vegetable and flower seeds suitable for planting and culture in the various sections of the United States.

The amount appropriated was $130,000, but $20,000 of the appropriation is for purchasing seeds, trees and plants from foreign countries.

European Notes.

A very agreeable change has taken place in northwestern Europe, and a warm deluge has been replaced with a cold, drying easterly wind. This has put growers into better spirits, and quite a rush of orders has been the result. Peas are in particularly good demand, and all kinds of stuff suitable for Winter greens sell freely. Articles like the sprouting broccolis and Thousand-headed kail, which have been a drug for many years, are now nearly cleaned out. The northern markets are just now receiving an abundant supply of an Italian broccoli, known as Veitch's Self-protecting, a variety which should be of great service on your side. The London markets are also supplied with an excellent variety known as Early Cornish, which is produced in the county whose name it bears. The great success of this broccoli is due to its being grown in a district directly under the influence of the Gulf Stream, for it must have both heat and moisture to bring it to perfection. Although in England frosts have been very light, and planting out on the lighter and dryer lands has not been hindered by them, it has been very different in France, particularly in the west and south. In both sections the frosts have been too severe to admit of the opening of the pits, where the roots have been stored. Fully 15 degrees Fahr. have been registered, and the young growth on carrots has suffered considerably. Cabbages are also badly damaged; and other members of the same family need a genial spell to revive them.

It is also still very Wintry in Germany, and work is all behind. Down on the Mediterranean littoral Roman hyacinths and other French bulbs are having a rough time, and must suffer considerably. Only three days back a snowstorm of more than an hour's duration raged at Bordighera, and an almost equally inclement condition prevails all along the coast. Fortunately, the weather in the seed-growing districts round Paris has not been so severe, and everything looks fairly promising.

Sweet pea dealers will be interested to know that a new and very early white variety is to be offered to the trade by E. Benary next season. It is named "Mont Blanc," and is described as being equal to Blanche Burpee in form and substance, and as early, or earlier, than the extra early Blanche Ferry. Trial packets are in the hands of the principal firms, and if it equals the description furnished by the raiser, its success is assured. EUROPEAN SEEDS.

Clematis Paniculata and Ampelopsis Veitchii

Clematis Paniculata,

Field-Grown.

	100	1000
No. 1	$8.00	$70.00
No. 2	6.00	50.00
X size	10.00	80.00
Hydrangea, P. G., 1 year		16.00
" " 2 to 3 ft	9.00	
" " 3 to 4 ft	12.00	
Virginia Creeper		45.00
Eulalia Gracillima, strong		15.00

Ampelopsis Veitchii,

Field-Grown.

	100	1000
No. 1	$5.00	$50.00
No. 2	5.00	45.00
No. 3	4.00	35.00
X size	8.00	75.00
XX "	9.00	85.00
Rose Felicite Perpetue	5.00	
Rose Francois Levet	6.00	
TREE BOX, 6 to 12 inches		20.00

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Mention the Florists' Exchange when writing.

CALIFORNIAN SEEDS

Contract Prices for 1900 Harvest on Application.

WHOLESALE ONLY.

PERRY WATSON & CO.,
SACRAMENTO, CAL.

Mention the Florists' Exchange when writing.

PALM SEEDS

FRESH ON HAND.

	100	1000	3000
Phœnix Tenuis	$0.75	$5.00	$13.50
" **Pumila**	1.00	8.00	22.50
Pandanus Utilis	1.25	10.00	27.50
Asparagus Plum. Nanus, true	1.25	9.00	26.50
" **Sprengeri**	.75	6.50	18.00

L. J. SCHILLER, 40½ E. 34th Street, New York.

Mention the Florists' Exchange when writing.

GERMAIN FRUIT CO.'S

California Grown Seeds.

SPECIALTIES:

Wax Beans,	Cosmos,	Onion,
Lima Beans,	Verbenas,	Lettuce,
Salt Bush,	Asters,	Celery,
Bermuda Grass,	Tree and	Carrot,
Johnson Grass,	Shrub Seeds.	Parsnip,
Sweet Peas,		Salsify.

Calla, Freesia, Amaryllis Bulbs, Pampas Plumes. Correspondence Solicited.

LOS ANGELES, CAL.

Mention the Florists' Exchange when writing.

FANCY-LEAVED CALADIUMS

	10	100
Bulbs 1½ to 2½ inches in diameter, 15 to 25 varieties	$2.50	$20.00
Bulbs, 1 to 1¼ inches in diameter, 6 to 8 varieties	1.50	12.00

The first size will make grand specimen plants or stock bulbs. No larger or finer are in the market.

LATANIAS and PHŒNIX.

	100
Latanias, 4 inch pots, 2-3 characterized leaves	$20.00
Latanias, 5 inch pots, 4-5 characterized leaves	30.00
Phœnix Reclinata, Canariensis and Pumila, 15-18 inches	20.00
Phœnix Reclinata, Canariensis and Pumels, 20-24 inches	30.00

Not less than 50 at above rates.

GRAFTED ORANGES and LEMONS.

	10	100
10 to 15 best varieties, 4 inch pots, 10-12 inches high	$2.50	$20.00
10 to 15 best varieties, 4 inch pots, 15-18 inches high	3.50	30.00
10 to 15 best varieties, 4 inch pots, 20-24 inches high	6.00	

	100	1000
1,000 **Prairie Roses**, very strong		$7.00
1,000 **Moss Roses**, " "		7.00
2,000 **Hybrid Wichuralana** (Maoda's)	5.00	$40.00

Quotations include packing.

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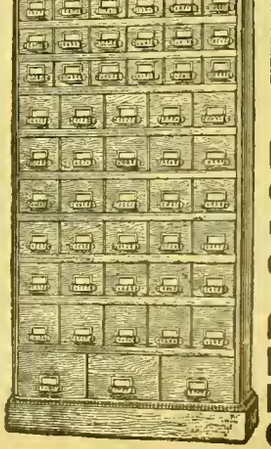

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	Per 100
HYDRANGEA P. G.—	
5,000 4-8 inches	$2 00
2,000 12-18 "	5 00
500 18-24 "	6 00
1,500 2-3 feet	8 00
500 2-3 " extra heavy	10 00
950 3-4 " Tree form	20 00
CALIFORNIA PRIVET—	
15,000 15-24 inches, light	20 00
25,000 24-36 " heavy	30 00
15,000 36-18 " "	35 00
5,000 48-60 " "	45 00

35,000 ROSES, extra strong.
Prices ranging from $5.00 to $15.00 per 100, according to sorts. Assortment includes Ramblers—pink, white, yellow and crimson.

1,500 **Azalea Mollis,** $3.50 to $35 per 100.
400 " **Amœna,** $5 to $40 per 100.
100 **Japanese Weeping Cherry,** 50c each.
500 **Rhododendrons,** $30 to $100 a 100.
1,000 **Tree Roses,** $20 per 100.
15,000 **Dwarf Box,** $1.50 per 100.
7,500 **Tree Box,** assorted sizes, from $2 per 100 to $2 each.
10,000 **Ampelopsis Veitchii,** $1.50 to $8 per 100.
5,000 **Clematis Paniculata,** for quality none better, $8 per 100.
35,000 **Clematis Jackmanni, Henryi, Mme. E. Andre,** etc. Extra strong, $18 per 100; medium, $12 per 100.

for "lining out" in cellar.
ASK FOR PRICES. QUALITY COUNTS.

550,000 Ornamental Seedlings,
HIRAM T. JONES, Union County Nurseries, **Elizabeth, N. J.**

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Fruit Trees, Small Fruits, including grapes. Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

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Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

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100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogues on application. Send estimate of wants for prices.

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FRUIT and ORNAMENTAL TREES,

Shrubs, Vines and Roses.

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Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda nitida, Fothergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Dionæa muscipula, Lupinus diffusus, Phlox subulata, Sarracenias, etc., etc. **Ask for Trade List.**

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Kalmia Latifolia.

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2,000 APPLE TREES

5 to 7 feet; ¾ inch up.
General Selection.

—ALSO—

500 YORK IMPERIAL,
200 BEN DAVIS,
300 Grimes Golden,
150 Mam. Blackturg,
250 Jonathan.

} 2 year, 5 to 6½ feet, ⅝ to ¾. Handsome trees.

The Above will all be Sold at a Bargain.

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Absolutely prevents all worms and insects from crawling up fruit and shade trees. For agency, territory and prices, address

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BEFORE PLACING ORDERS

SECURE OUR PRICES

ON ALL LINES OF STOCK.

THE SUGAR MAPLE

Is a beautiful tree at all seasons, and no better variety can be used for **Street, Park,** or **Lawn Planting,** as its growth is rapid and straight, its form symmetrical, and it does not have the objectionable density of foliage possessed by the Norway Maples. For this reason it is well adapted for planting near buildings, as it does not obstruct light or air, and being **deep rooted the grass will grow up to its very trunk, which is a very strong point in its favor.** No tree has more gorgeous Autumn coloring, as it varies in all shades of yellow, orange and scarlet until the leaves finally fall. It was a sagacious popular instinct which selected this as one of our best trees for ornamental planting, and in some of the old places on the Hudson River long avenues were planted with it three quarters of a century ago, and they are now worth a long journey to see. We have an extra large stock of magnificent trees, many times transplanted, which we know offer at the following low prices:

		10	100	1000
10 to 12 ft. in height,	1¼ to 1½ inches in diameter	$5.00	$33.50	$290.00
12 to 14 ft. "	1½ to 1¾ " "	6.00	35.00	300.00
14 to 15 ft. "	1¾ to 2 " "	10.00	75.00	500.00

ANDORRA NURSERIES WILLIAM WARNER HARPER, Prop., Chestnut Hill, PHILADELPHIA, PA.

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EASTER AND SPRING, 1900.

Clematis, in the best market varieties, mostly Jackmanni, $20 per 100.

H. P. Roses, true to name, strong, fine plants, $10 per 100; $80 per 1000.

Azalea Mollis. Dwarfs, fine, well-budded plants, $35 and $45 per 100.

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Azalea Pontica, extra fine, $45 per 100.

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Bleeding Heart, mammoth clumps, $10 per 100.

Gloxinia Erecta, extra fine, $40 per 1000; $5 per 100.

Tuberous Rooted Begonias, in separate colors, the cream of the market. Single, as above, $25 per 1000; $3 a 100. Double, " $40 " $5 "

CYCAS REVOLUTA The true long-leaf variety, will be on hand during April. Write for prices on all other goods to

F. W. O. SCHMITZ, Jersey City, N. J.

Mention the Florists' Exchange when writing.

LARGE MAPLES

NORWAY MAPLES.	Per 100	SILVER MAPLES.	Per 100
1½-1¾ in. cal., 10-14 feet	$35.00	1¾-2 in. cal., 12-14 feet	$25.00
1¾-2 " " 12-16 "	60.00	2-2¼ " " 14-18 "	35.00
2-2¼ " " 14-18 "	90.00	2¼-2½ " " 15-18 "	50.00
2¼-2½ " " 16-19 "	110.00	2½-3 " " 16-20 "	75.00
		3-3½ " " 18-21 "	100.00

These are grown wide apart, have good fibrous roots, straight trunks, single leaders, symmetrical tops. CAR LOTS.

ISAAC HICKS & SON, Westbury Station, Nassau County, New York.

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THE STORRS & HARRISON CO., Box 936, PAINESVILLE, OHIO.
Leading American Nurserymen, offer one of the Most Complete Assortments of
FRUIT AND ORNAMENTAL TREES, SHRUBS, ROSES, BULBS, ETC.
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Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.

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DWARF.

Large stock, strong 3 year trees, also light plants for mail and express trade. Write for prices, stating grade and quantity required.

Thomas Meehan & Sons, Germantown, Phila.

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Norway, Sugar, Silver and Sycamore.

We have a few thousand well-grown trees of these, 8 to 10 and 10 to 12 ft. The quality is high, the price is low. Communicate with

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AMERICAN ELMS

8 to 10 ft., 1 to 1½ in. caliper. 25 Elms, 6 to 9 in. caliper, fine specimens, well developed heads. Send for price list.

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Can yet do **PEACHES** and **JAPAN PLUMS** in limited quantity; also **MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY, STRAWBERRIES** from best leading varieties. Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.
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TREE SEEDLINGS.

Am. White Ash, Green Ash, Am. Beech, Berberry, White Elm, Red Elm, Catalpas, Black Locust, Box Elder, Sugar Maple, Russian Mulberry and 30 others.

Prices low. Special quotations on any of the above species. Catalogue free. Address

Snowflake Nurseries, SNOWFLAKE, MICH.

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AMPELOPSIS VEITCHII

2 year, strong. per 100, $7.00.

	Per 100
Clematis Jackmanii, 2 year, extra strong.	$14 00
Standard Hydrangea, P. G., 3-3½ ft.	18.00
Standard Lilacs, assorted, 3-4 ft.	10.00
Standard Japan Snowball, 3½-4 ft.	18.00

These prices are good only till surplus is reduced. **Send for list of other stock.** Roses, Herbaceous Plants, Ornamental Trees, Small Fruit and Fruit Trees

Jackson & Perkins Co., Newark, New York.

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LETTUCE Boston Market, Tennis Ball, Curled Simpson, Grand Rapids, and other vars., 15c. per 100; $1.00 per 1000; $8.50 per 10,000; if by mail, add 10c. per 100.

TOMATO Small plants for transplanting, in several varieties, 15 cts. per 100; $1.00 per 1000.

PEPPER Small plants for transplanting, in several varieties, 25c. per 100; $2.00 per 1000. If by mail, add 10c. per 100.

EGG PLANTS New York Improved for transplanting, 25c. per 100, $2.00 per 1000.

CELERY Golden Self Blanching and White Plume, 15c. per 100, $1.00 per 1000

Other vegetable plants in season. Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.

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1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM
PÆONIES, BLEEDING HEART
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.

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NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN

WILSON J. PETERS, Troy, O., President; D. S. LAEE, Shenandoah, Ia., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

Baltimore, Md.—Owing to increasing business the Franklin Davis Nursery Company have had to acquire additional acreage and build new sheds, covering about fourteen thousand square feet of ground.

J. Van Lindley thinks there are splendid opportunities for the raising of export apples on a large scale in the mountainous portions of North Carolina. One of the latest additions to his place is a large greenhouse for the production of cut flowers.

The New York State Experiment Station at Geneva is planning for an exhibit at the Paris Exposition during the coming Summer, that will undoubtedly be of interest to French, German, Italian and Spanish wine growers, as well as others interested in grape culture. The exhibit will consist of a series of 38 wax models of grape clusters, which are intended to illustrate some of the results of investigations at this station concerning the self-fertilization and cross-fertilization of the flowers of grapes.

Some Large Orders for Trees.—Ellwanger & Barry, of Rochester, N. Y., were last week awarded a contract for furnishing several thousand dollars' worth of nursery stock for a gentleman's place on the Hudson. Over 30,000 trees, shrubs and plants are contained in the order. This firm has also received large orders from the Pan-American Exposition Company at Buffalo, and, so far, have shipped there ten car-loads of trees, shrubs, etc.

Rochester, N. Y.—Two Rochester corporations, the Ellwanger & Barry Realty Co., and the Ellwanger & Barry Nursery Co., filed articles with the Secretary of State March 14. The Realty Company has a capital of $500,000, and the Nursery Company a capital of $200,000. The directors of the companies are identical. They are: George Ellwanger, William C. Barry, George H. Ellwanger, Chas. P. Barry and William D. Ellwanger, of Rochester, and John H. Barry, of New York City.

Fire occurred in the large packing shed of Chase Brós., on March 16. The blaze was confined to a double wall and was extinguished without much trouble. The shed was filled with trees stored for the Winter; they were not damaged to any extent. The loss on the building was trifling.

The Japanese Plum.—George S. Butler, of Cromwell, Conn., delivered a lecture before the Massachusetts Horticultural Society Saturday last. Among other things he said:

About thirty years ago the Kelsey plum was introduced into California from Japan, and after fruiting was propagated and disseminated quite largely. Not proving hardy in the North and East the Japan plum was condemned for cultivation here, thus hindering the introduction of other varieties.

Subsequently other parties, particularly Luther Burbank, of Santa Rosa, Cal., made other importations of Japanese plums, and these varieties have been widely disseminated over the United States and Canada, and have been found adapted to a wide range of territory.

For the past decade interest in the Japan plum has steadily increased and, although many of them are inferior in quality to some European varieties, their great beauty, freedom from disease, ability to resist the attack of the curculio and heavy cropping qualities, have brought them into favor with growers; some are proving of fair to good eating quality and superb for canning or preserving.

Nearly all the Japan plums are vigorous growers, with long forked branches, the fruit buds setting in clusters instead of singly or in pairs, as with the European plum.

These plums are nearly allied to our native plums, and we may the more reasonably expect them to do well on that account, on the theory that similarity of environment has produced similarity of attributes. Doubtless better varieties will be produced by hybridizing these Japan plums without native sorts.

There is need of earnest work in revising the nomenclature of our Japan plums, and we are glad to note the hearty co-operation of our pomological societies, experiment stations and best nurserymen in this endeavor.

The culture of this fruit is hardly a matter for discussion here, as it is universally conceded to-day that the best crops of any fruit are only secured by constant and thorough tillage; and the question of tools is only a question of adaptability to soil.

Set first-class trees; the thriftiest tree in the nursery is inclined to be the thriftiest tree in the orchard; the tree which only develops to a cull in the nursery will probably die a cull in the orchard. Prune young trees as heroically as you desire, and if the desire is lacking, create it.

The propensity to overbear must be continually guarded against, as the quality of the plums on an overloaded tree is very inferior, and having neither quality nor size they will be difficult to dispose of, and of very little value to fatten swine. If two-thirds of the bearing wood is trimmed off from the tree, and the plums which set on the remainder are thinned to about four inches apart, we shall have on a mature tree from one to two bushels of plums from 2½ inches in diameter, and as attractive as they are large. California never shipped to New England plums as large, handsome, or of as good quality as we have placed upon our markets the past four seasons. But I have seen the same varieties sent here from Michigan; yes, and grown in Connecticut, too; that proclaimed the doctrine of 16 to 1 more loudly than William J. Bryan or George Fred. Williams were ever able. There were 16 times as many stones in every basket, 16 times as much plant food sucked from the soil, the flesh was one-sixteenth of an inch thick, and as eatable as 16 corks.

The rot is the most troublesome enemy of the Japan plum, unless it be its tendency to overbear. Eternal vigilance is the price of plums, picking off and burning the rot whenever it appears.

The yellows of the peach is also able to thrive on the Japan plum and should be guarded against. Some trees die from unknown causes each year, probably 1 to 2 per cent. The same habit is noticeable on Japan ornamentals. The black knot and curculio are not serious enemies of the Japan plum, the knot only occasionally attacking the tree, and the eggs of the curculio seldom hatching.

For market and amateur planting the Abundance, Burbank, Chabot, Wickson, Red June and Satsuma seem best suited, while Ogon, Berckmans, Earliest, Bergen, Kerr and Willard have no place except the brush heap. Lutts and Hale and Normands might also find a place in large collections.

CANNAS Mme. Crozy, Charlotte, Paul Marquant, A. Bouvier, Burbank, $1.50 per 100.
Pansy, Vautier's Mammoth, Bugnot. **Bellis Perennis,** fl. pl. **Myosotis,** Victoria, $3.50 per 1000. **Stocks,** German, Ten-Weeks, white or mixed, 2½ inch, $1.50 per 100.
Shellroad Greenhouse Co., Grange P.O., Balto., Md.
Mention the Florists' Exchange when writing.

TREES! TREES!
Norway, Sugar and Silver Maples
Norway Spruce and Arbor Vitæ.
WM. J. CHINNICK, Trenton, N. J.
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THE "NOVELTY" OF NOVELTIES FOR 1900
NEW—"MRS. KATE GRAY"—CANNA
A MAGNIFICENT HYBRID RESULTING FROM A CROSS OF ITALIA×MAD. CROZY

The Color is a rich shade of orange scarlet overlaid with gold, a superb coloring which in open sunlight is simply dazzling. The Form is an ideal of the Crozy type of bloom, the petals being very broad and overlapping, measuring 2½ to 3 inches wide, while the individual flowers are from 6 to 7 inches across. The Texture of the flowers is all that could be desired; they partake of the nature of the pollen parent or Crozy race in this respect, and withstand our hottest summer suns without wilting. The Foliage is a bright glossy green, equal to a Musa in size and substance and forms a beautiful foil to the gigantic trusses of bloom. The Height of the plant is 6 to 7 feet, the growth is luxuriant to a degree, but very compact; the massive foliage, giant trusses, and enormous individual flower give the plant a noble tropical appearance. It is the Only Canna of its kind in existence, and absolutely surpasses all others; its intrinsic value will make it a leading standard sort for years to come.

PRICES.—Strong roots, 35c each; $3.50 per dozen; $25.00 per hundred. Terms strictly cash with order, no exceptions. Stock limited; orders filled in strict rotation. Address,

HOWARD & SMITH, Nurserymen, P. O. Box 484, Los Angeles, Cal.
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CANNAS The THREE BEST Solid Red CANNAS: BLACK PRINCE, $10.00 per 100; PHILADELPHIA, $4.00 a 100; DUKE OF MARLBOROUGH, $1.00 a 100.
BOSTON FERN Strong, 2½ inch, $5.00 per 100. | YELLOW RAMBLER, PINK RAMBLER } TWO YEAR, $8.00 per 100
THE CONARD & JONES CO., West Grove, Pa.
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NORWAY MAPLES.
1000 8 to 10 feet.
1000 6 to 7 "
700 4 to 6 "
700 3 to 4 "
100 1 to 2 "

IRISH JUNIPERS.
500 3 to 4 feet.
500 2½ to 3 "
500 2 to 3 "

10,000 Peach Trees, General Assortment
The Maple and Juniper will be sold at very low prices in order to close out.
C. L. LONGSDORF,
Oak Hill Nurseries, Flora Dale, Adams County, Pa.
Mention the Florists' Exchange when writing.

SMILAX.
From flats, by mail, 50 cts. per 100; $4.00 per 1000. From 2 in. pots, $1.50 per 100; $13.00 per 1000.
CANNA, large-flowering, mixed, $1.00 per 100.
FRED BOERNER, Cape May City, N. J.
Mention the Florists' Exchange when writing.

YELLOW COLEUS (Good variety). 2 inch, $1.50 per 100.
PETUNIAS, DOUBLE FRINGED 2 inch, $2.00 per 100.
E. J. RAWLINGS, - Quakertown, Pa.
Mention the Florists' Exchange when writing.

HARDY HERBACEOUS PLANTS CHEAP.

	Per 100
Bellis Perennis, double daisies, red or white	$1 00
Caryopteris Mastacanthus, 12 in. high	4 00
Coreopsis Lanceolata	4 00
Delphinium Formosum, blue	3 00
Digitalis, assorted	3 00
Gypsophila Paniculata, from 2 in. pots	2 00
Hemerocallis Sieboldii	4 00
Lychnis Chalcedonica	4 00
Lychnis Haageana Hybrids, from 2 in. pots	2 00
Hardy Pinks, Her Majesty, from 2 in. pots	2 00
Hardy Pinks, Anne Boleyn, 3½ in. pots	4 00
Statice Armeria	3 00
Hibiscus Crimson Eye	3 00
Myosotis Alpestris	3 00
Gaillardia Grandiflora	3 00
Eulalia Japonica	4 00
Geum Atrosanguineum	4 00
Sweet William	3 00
Funkia Sieboldii variegata	4 00
Rudbeckia Golden Glow	3 00
Hollyhocks, 4 colors, red, pink, white yellow	4 00
Japanese Iris, 8 named varieties, double sorts	4 00
German Iris, mixed colors	3 00
Papaver Bracteatum, from 2 in. pots	2 00
Pansies, extra fine strain, large clumps	1 00
Pyrethrum Roseum, from 2 in. pots	2 00
Achillea, The Pearl	4 00
Aquilegia, double white and mixed, from 2 in. pots	2 00
Campanula Pyramidalis, blue and white, from 2 in. pots	2 00

Above stock is in fine shape and can be delivered now. Cash, or references, please.
EDWARD B. JACKSON, Stamford, Conn.
Mention the Florists' Exchange when writing.

Fine Stocky Plants

	Per 100
ALTERNANTHERAS, yellow, $1.75; red	$2 00
OXALIS FLORIBUNDA, fine for baskets	2 00
COLEUS, mixed vars., 2 in. pots	2 00
GERANIUMS, my selection, 2 and 2½ in. pots	3 00
" " 3 in. pots	4 00
CENTAUREA GYMNOCARPA, 2 in. pots	2 00
DOUBLE PETUNIAS, 2½ in. pots	3 00
CARNATIONS, 5 vars., 2 in. pots	3 00
VERBENAS, good vars., 2 in. pots	2 00
PANSY PLANTS, in bud, from cold frame	1 50

CASH, PLEASE.
JOS. H. CUNNINGHAM, Delaware, Ohio.
Mention the Florists' Exchange when writing.

Unequaled Varieties VERBENAS Vigorous Stock.

	100	1000
Best Mammoths, strong pot plants	$3.00	$25.00
" " rooted cuttings	1.00	8.00
Older " "	.75	6.00
" " strong pot plants	2.50	20.00

ROOTED CUTTINGS CARNATIONS VIGOROUS STOCK
General Maceo, G. H. Crane, $6.00 per 100 $50.00 per 1000.
America, Melba, Gen. Gomez, 75c. per doz.; $5.00 per 100; $40.00 per 1000.
White Cloud, Gold Nugget, $1.00 per 100; $30.00 per 1000.
Bon Ton, New York, Jubilee, Frances Joost, $2.50 per 100; $20.00 per 1000.
Flora Hill, Eldorado, Daybrenk, John's Scarlet, Sea Shell, Victor, $2.00 per 100; $15.00 per 1000.
Alaska, Lizzie McGowan, Wm. Scott, Portia, $1.50 per 100; $12.00 per 1000.

Rooted CHRYSANTHEMUMS Cuttings
Send for list of 90 best Varieties.

Strong Tubers CANNAS DORMANT.
Doyen J. Sisley, F. R. Pierson, Italia, Burbank, Souv. de A. Crozy, John White, Pierson's Premier, Comte de Bouchard, Papa, Pres. McKinley, $3.00 per 100; $25.00 per 1000.
Chas. Henderson, Paul Marquant, Paul Brunat, Austria, Thos. S. Ware, Creole, $2.50 per 100; $20.00 per 1000.

ROSES.
Bridesmaid, Bon Silene, Catherine Mermet, Duchess of Albany, Golden Gate, Maid of Honor, Perle des Jardins, Pres. Carnot, Sunset, The Bride, from 2¼ in. pots, $5.00 per 100, $40.00 per 1000.

MISCELLANEOUS.

	100	1000
Anthemis, Double Golden Marguerite	$2.00	
Ageratum, blue and white	1.00	$8 00
" Princess Pauline	1.50	
Coleus, all leading sorts	1.00	8.00
Fuchsias, double and single	2.00	15.00
Feverfew	1.50	12.00
Heliotrope, light and dark	1.25	10.00
Impatiens Sultani	2.00	
Moon Vines, true	2.00	15.00
Salvias, Splendens and Bedman	1.25	10.00

TRADE LIST ON APPLICATION.
WOOD BROS., Fishkill, N. Y.
Mention the Florists' Exchange when writing.

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MARCH 31.

DREER'S SPECIAL OFFER OF DECORATIVE PLANTS.

OF SPECIAL VALUE, SUITABLE FOR EASTER SALES.



Mention this Paper.

KENTIA BELMOREANA.

		Per doz.	Per 100
ARECA LUTESCENS.	4 in. pots, 1 plant in pot, 15 to 18 ins. high	$3 00	$25 00
	5 " " 3 " " 18 to 20 " "	5.00	40.00
KENTIA BELMOREANA.	4 in. pots, 5 to 6 leaves, 15 ins. high	4.50	35.00
	5 " " 5 to 6 " 22-24 ins. high	12 00	100 00
	6 " " 6 " 24-26 " "	15.00	125.00
	6 " " 6 to 7 " 28-30 " "	18.00	150.00
		Each.	Per doz.
	6 " " 7 " 30-36 " "	2.00	24.00

KENTIA FORSTERIANA (Made-up Plants)—
Good specimens, 4 plants in a ten-inch pot, 36 ins high $3.50 each
Good specimens, 4 plants in a ten-inch pot, 48 ins high 5.00 "

KENTIA FORSTERIANA. 4 in. pots, 5 leaves, 15-18 ins. high, Doz., $4.50; 100, $35
6 " 6 " 24-30 " " $1.00 ea.; $12 per doz.
6 " 6 " 28-30 " " 1.25 " 15 "
6 " 6 " 30 " " 1.50 " 18 "
7 " 6-7 " 30-36 " " 2.00 " 24 "

Specimen Plants of KENTIA BELMOREANA and FORSTERIANA. At $10, $15, $25, $35 and $50 each. For description see our current wholesale list.

LATANIA BORBONICA. 6 in. pots, 5 to 6 leaves, 18 ins. high $6.00 per doz.
6 " 6 to 7 " 20 " " 9.00 "

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14 in tubs, 5 to 6 feet, fine decorative plants, 10.00 "

PANDANUS VEITCHII. 6 in. pots, 15 to 18 ins. high 1.00 "

ADIANTUM CUNEATUM. A grand lot of 5 in. pots, $2.00 per doz.; $15.00 per 100

ADIANTUM CUNEATUM.
A fine lot of plants of special good value.
2¼ in. pots...$3.50 per 100; $30.00 per 1000
3 in. " ... 6 00 " 50.00 "
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CHOICE MIXED FERNS.
We can still supply choice mixed Ferns in good assortment.
2¼ in. pots...$3 50 per 100; $30.00 per 1000
3 in. " ... 6.00 " 50.00 "

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FERNS! FERNS!

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SMALL FERNS 2 in. pots, $5.00 a 100; $40.00 per 1000.

KENTIA BELMOREANA Home-grown, 3 inch pots, 25 cts.: 4 in., 50 cts.; 5 in., 75 cts.; 6 in., $1.50; 7 in., $3.00 each.

KENTIA FORSTERIANA 3 inch, 25 cts. each; 4 inch, 40 cts. each.

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EASTER LILIES Harrisii and Longiflorum. Extra fine, healthy plants, in bud for Easter flowering, $12.00 per 100 buds; $100.00 per 1000 buds.

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4 inch pots..... $2.50 per doz; $20.00 per 100.
5 " ..... 4.75 " 35.00 "
6 " ..... 9.00 " 70.00 "
7 " ..... 1.25 each and fine specimen plants from $6.00 and upwards

Areca Lutescens, fine plants from $5.00 upwards.
Kentia Belmoreana and Forsteriana—
4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each 7 in pots, $1.75 to $2.00 each; larger plants, well grown, from $2.50 and upwards.
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Phœnix Canariensis, Rupicola and Reclinata, fine specimen plants, from $3.00 to $5 00 each.
Cocos Weddeliana, from 2 in. pots, $1.50 per doz.
ASPARAGUS SPRENGERI 3 in pots, $1.00 a doz. 5 in. pots, 25c. each.
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N. Exaltata Bostoniensis.
Small plants, $5 00 per 100; $40.00 per 1000; not less than 250 at 1000 rate Large plants, $8.00 to $20.00 per 100.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1 50 to $3.00 ea. Forsterianas, 3½ to 4 inch, $3.00 per doz.
Areca Lutescens, 50c to $3.00 each.
Latanias, from 75c. to $3 00 each.
Asparagus Plumosus, $1.00 to $1.50 doz.
Asparagus Sprengeri, 3½ in. pots, $1.50 per doz.

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2¾ inch, extra strong....$5.00 per 100
3 inch, extra strong.... 7.00 per 100
4 inch, very fine..... 1.75 per doz.
5 inch, very fine..... 2.50 per doz.

PANDANUS UTILIS 2¾ in., heavy, $6 per 100
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"A Good Thing."

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FERNS!

From 2¼ inch pots.

Cyrtomium Falcatum..... $3.00 per 100.
Pteris Cretica Magnifica..... 3.00 "
Aspidium Tensimense..... 2.50 "
" " from 3½ in. pots 7.00 "

Cash with order.

L. MENAND, Cemetery Ave., **Albany, N. Y.**

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Palms in Europe.

Of kentias, almost exclusively Belmoreana, with only a small addition of K. Forsteriana, is grown in immense quantities, increasing every year. Thus a plentiful supply may be looked for unless the demand be very very large. English and Belgian greenhouses are full of them. Of course, they never get bottom heat, and they should not be too much crowded, lest they become too long and be infested with scale, mealy bug, etc.

Latanias are still grown in goodly quantities, but are decidedly less in favor, except, perhaps, in Germany. With good bottom heat they will make fine leaves during the warm season.

Latania rubra is grown by a few specialists, and for a collection of decorative plants it is a distinct and good palm, though expensive. The leaves are narrower than those of L. borbonica, and the ribs red. Phœnix, excepting canariensis, seems to share the lot of the Latania borbonica; it is not quite so much grown as it was eight to ten years ago, relatively speaking. Phœnix Roebelenii is a palm of very elegant form, but appears to be difficult to grow well. I noticed a few lots of 100 to 200 plants about Belgium and in France. Especially as specimens of 4 to 5 feet in height, this palm is extremely fine, being of slender and elegant habit. P. rupicola is perhaps the next in gracefulness, and well deserves its favored position as a seller. P. reclinata and tenuis are well known, and are to be had in all marketable sizes everywhere.

P. canariensis is grown in the south of France and Italy by the acre, and from there, as three to five-year-old plants, finds its way over Europe and to America. These out-of-door-grown plants are very hardy, rather too clumpy, but one Summer's growth in the palm house or pit brings out three good elongated leaves, which much enhance the beauty of this species. It is the hardiest of all, and I daresay on that account most valuable for decorators, who have to take their plants from place to place and from heat to cold.

Corypha australis is discarded by many growers, though a few think they are doing wisely by getting up a good little stock of them again. I never liked them much and do not think they will have another go. Livistona rotundifolia is still gaining in favor; undoubtedly it is not so hardy as its sister, the Latania borbonica (Livistona sinensis). It demands more heat, but it is of extremely neat growth, of fresh green color, quite round in shape, and should sell on its appearance as a small palm for the table, or as a *solitaire* on a stand in the dining-room, library or boudoir. It is to be had from all the exporting growers in good quantity and quality, especially around Ghent.

Rhapis flabelliformis is too slow in growth, and except as a hardy decorator it is slow in finding purchasers, too. It has been discarded by many. R. humilis is too scarce to play any part in the general trade, the foliage being of a brighter green and more finely divided makes this species prettier than the former.

Large clumps of either species in the open, as seen about the Riviera, are an impressive decoration. If there is anything in the rhapis, I dare say they will find their way to America, via 'Frisco.

Cocos Weddeliana, single or three in a pot, is cultivated *en masse* in England and on the continent. Its merits are well known and quite enough appreciated. For my taste it lacks grace and is too short-lived. As a center plant for small jardinieres it fills its place well for a short time. Old plants are rarely fine, and the cocos is certainly not of too easy culture. One of the earliest and formerly quite successful growers in Belgium has given it up, because it would get yellow and diseased with him in spite of increased watchfulness.

Kentia Sanderiana is still quite scarce, but its merits being well proved its introducer will, I daresay, see to it that it will be in everybody's reach before too long. As a small plant it is very elegant, if I may compare it with Cocos Weddel-

FERNS.

A fine assortment for florists use, from 2¼ and 3 inch pots. Also

Selaginella Emmeliana, Cyperus Alternifolius, $3.00 per 100.
BABY PRIMROSES, from 3 inch, $4.00 per 100; from 4 inch, strong, $8.00 per 100.
PELARGONIUMS, 6 best varieties, mixed, from 3 inch, $5.00 per 100.

J. G. EISELE, - Philadelphia, Pa.
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lana. I must note that the leaves are beautifully arched, the individual pinnæ being longer than those of the cocos likewise. It has a much neater appearance, being more glossy and lacking the silvery coating on the lower side. As an older plant it has a tendency to become too thin; thus, it should be planted, three in a pot, choosing three plants of different age.

Geonoma gracilis and G. intermedia are, somewhat, the link between the last two pretty palms; both have their special cultivators and may be found about Ghent in goodly numbers. Also as larger plants they are useful and very pretty. The Euterpe edulis approaches these again; it has its advocates as a plant from 2 to 4 feet in height, but I think it is a little too tender. A large stock is not to my knowledge grown in any one place.

Areca Baueril is a noble plant and quite a hardy one. As a large subject it is very useful for decorating; its very gracefully arched rachi and the broad, clean dark green pinnæ make it a most imposing character. It is evidently not needed in quantity, but rather in good sized specimens. A. lutescens appears to me the ideal decorative palm, though it should be more kindly handled than the former. This areca is cultivated in large quantities by a few growers, and is to be had in fair size at acceptable prices. Areca rubra is certainly pretty and should find a place as an apartment plant; it has a foreign appearance among other palms, on account of the reddish venation. Areca Verschaffeltii, with its yellow stalks and ribs, and clean, glossy surface on all parts, is very distinct and a good house plant. Both the last two are rather expensive.

Among the caryotas, or fish tail palms, C. Cunninghami, C. sobolifera and the newly introduced C. Kirsheniana may be useful to diversify the collection. The two first-named ones are to be had from nearly every grower I have seen; the latter, a suprisingly elegant plant, only at Sander's, at St. Albans.

The chamærops seems to have lost its prestige, though as a hall plant or for permanent decorations in public places it is very good. Southern grown plants seem to be preferred on account of their resisting power.

Among the cocos I must mention the C. Bonaetii as a very robust plant. This cocos is also largely grown in the south of France and Italy, and sent abroad through all the exporting nurseries of Europe; it is of round shape and quite distinct from other palms, and well adapted for large grouping. I find the C. plumosus and Romanzoffiana two of the most beautiful palms for decorations. They are of very airy gracefulness, quite different from all other forms of palms; for high groups or specially those that need be of very restricted depth they are ideal plants. As they grow so well out-of-doors at the Riviera, where the arecas and kentias will not thrive, I should consider that they have good resisting power. Their culture merits much more attention.

They may be had in quantities from 8 to 15 feet in height from the south of France, and I daresay through the best part of the northern growers. I have seen a group of them used in a funeral decoration at the head of the coffin, and I could not imagine anything of more impressive beauty for that occasion; for all church altar decorations they seem to be the ideal palm.

Of the newer palms that have made a mark, and which are being taken in hand as sure sellers, I must still mention the grand Licuala grandis. It is a luxuriant grower, like the latania, keeps splendidly in a dwelling house, its large bright green leaves, of which as many as four may be produced in a Summer, have an appearance of health and vigor. The habit of growth is rather upright, thus the plant is rather high than large, but keeping the older leaves well it is always furnished with foliage down to the pot. In some places lots of from 200 to 500 may be found in England and Belgium.

Another palm, *sans pareil*, is the Linospadix Petrickiana. I may say that this one also, with its large pinnate leaves, its bushy growth, conveys the impression of an abundance of vigor. It is always clean, the leaves are stout, yet very elegant. It is one of those introductions that will conquer the first rank among decorative plants. It is not yet to be had in large quantities, but a few plants, even at a high price, are not dear, and will ever remain a precious acquisition. T. E.

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15-24 inch stems	$4 50	$36 00
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Laurel roping 4c. yard; fine Sphagnum Moss 50c. a sack; second grade 35c.; Bouquet Green, roping 4c. yard, loose 2½c. lb. Cash with all orders. Orders by mail or dispatch promptly attended to.
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1000 FANCY FERNS,
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100 LEUCOTHOE SPRAYS and
1000 of both colored GALAX LEAVES,
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Japan Longiflorum Lilies, 3 to 6 flowers, 2 to 2½ ft., 12 cts. per bud.
Azaleas, 6 and 7 in. pots.....75c. to $1.50
Hydrangeas, 7 and 8 in. pots.....75c. to $1.25
Hyacinths, 4 in. pots.....10c.
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Strong Kaiserin, 2½ in. pots, ready now, $12.00 per 100.
Brides and Maids, ready May 1st, $10 per 100; $90 per 1000.
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STEPHEN MORTENSEN, Southampton, Bucks Co., Pa. Near Philadelphia.

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PHILADELPHIA ROSES Strictly first-class stock out of 2½ inch pots.

American Beauty, Kaiserin.

MYERS & SAMTMAN, Chestnut Hill, PHILA.

Mention the Florists' Exchange when writing.

Crimson Rambler

	Per 100
3 to 4 feet	$15 00
4 to 6 feet	20 00
Pink, White, Yellow Rambler	18 00
Crimson Rambler, Standard	35 00
H. P. Roses, best varieties	10 00
Phlox, Panicuiata, 50 best varieties, field grown	8 00
Anemone Japonica, Roses Elegans, Whirlwind, Joubert	8 00

	Per 100
Clematis, Jackmanni, Henryi, Sieboldi, Duchess of Edinburgh, Ramona, etc.	20 00
$3.00 per doz. Strong 3-year-old stock.	
Clematis Paniculata, 3-year-old	8 00
California Privet:	Per 1000
18 to 18 inch	$15 00
18 to 24 inch	20 00
2 to 3 feet	25 00
3 to 4 feet	35 00

Write for prices on Rhododendrons, Magnolia, Azaleas, Ghent and Mollis, Tuberous Begonias, Gloxinias and other Spring stock.

BOBBINK & ATKINS, Rutherford, N. J.

Mention the Florists' Exchange when writing.

Roses, Clematis, Rhododendrons, Etc.

ROSES.

Strong Two Year, Field Grown.

Crimson Rambler, 4 to 5 feet canes, $15. 2d size, 2 to 3 feet canes, $8 per 100.
Yellow Rambler, $8 per 100.
Hybrid Perpetual, in fine assortment $10 per 100.
Wichuralana, Japan Creeping Rose, $6 per 100.
Wichuralana Hybrids, 4 varieties, $8 per 100.
Tree Roses, fine heads, $30 per 100.
Liberty, New Red Forcing Rose, from 2½ in. pots, 12 plants at 60c. each; 25 at 50c. each; 50 at 30c. each; 100 at 25c. each.
General Assortment of Everblooming Roses, from 2½ in. pots $3 per 100; $25 per 1000.

CARNATIONS.

Rooted Cuttings.

Mrs. Thomas Lawson, $14 per 100.
The Marquis, $10 "
Ethel Crocker, $10 "
Olympia, $12 "

Rhododendrons. Large stock of best hardy varieties, 15 in. to 2 ft. high, clean, bright foliage and well set with buds, $45 to $150 per 100.

Azalea Mollis. Strong bushy plants well set with flower buds, $35 per 100.

Hydrangea Paniculata Grandiflora. 2½ to 3 feet. $10 a 100. Tree form, 4 to 5 ft., $25 a 100.

Fruit and Ornamental Trees, Shrubs, Etc., in large assortment.

THE STORRS & HARRISON CO., - - Painesville, Ohio.

Mention the Florists' Exchange when writing.

The New Imperial Violet.

COLOR—The darkest blue grown.
FORM—The largest and most double.
HEALTH—The most vigorous.
PRODUCTIVENESS—An average of 70 blooms per plant last season; this season, from a closer selection, to date averages 88 and still blooming; 95 per cent. of all blooms grade as No. 1.

Send for Descriptive Circular and Prices to

W. L. MINOR,
Originator and Grower of the New Imperial Violet,
BROCKTON, MASS.

Mention the Florists' Exchange when writing.

VIOLETS—Princess of Wales

The only Violet to grow; strong rooted cuttings, $1.00 per 100. 2½-in. pots, $2 00 per 100.

EVENDEN BROS., Williamsport, Pa.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

New Imperial Violet

From 2-inch pots; $3 per 100; $25 per 1000.

Satisfaction Guaranteed.

T. G. THRASHER, Avon, Mass.

Mention the Florists' Exchange when writing

ROOTED CUTTINGS OF PRINCESS OF WALES VIOLETS

Exceptionally good stock.

$2.00 per hundred. $15.00 per thousand.

SATISFACTION GUARANTEED.

WM. SIM, Cliftondale, Mass.

Mention the Florists' Exchange when writing.

IF YOU NEED ROSES
Send us your list for prices.
THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.

Mention the Florists' Exchange when writing.

ROSES From 5 inch pots, 9c. Fine clean plants: Gen'l Jacqueminot, La France, Clothilde Soupert, Malmaison, Coquette des Blanches, Coquette des Alpes.
Large Flowered Clematis, purple and white sorts, fine 2 year plants, from 5 in. pots or dormant, 18c. Some extra strong 3 year plants, dormant, at 33c. Also fine 1 year dormant plants, at moderate price.
Hydrangea, P. G., extra fine, 3 ft., bushy, at 8c.; 2 ft., bushy, at 6c. PACKING FREE.
W. H SALTER, - - ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS..
and Novelties in Decorative Plants,
Market and 49th Sts., PHILADELPHIA, PA

Mention the Florists' Exchange when writing.

SPECIAL NOTICE

The unprecedented demand for the new and beautiful

ROSE LIBERTY

Has made it necessary for us to announce all stock for March delivery has been sold and orders hereafter will be taken and filled in their order of receipt, until further notice. To be sure of any of this stock for April and May delivery it will be necessary to order early. One quarter of the stock is controlled by us and no one has authority to sell in the New England States except by our permission.

Prices are as follows: Best stock grown.

Own rooted Plants, 2½ in. pots.

12	plants	60 cts. each.
25	"	50 "
50	"	30 "
100	"	25 "
1000	"	20 "

Grafted Plants, 2½ in. pots.

12	plants	75 cts. each.
25	"	60 "
50	"	50 "
100	"	40 "
1000	"	35 "

EDMUND M. WOOD & CO., Natick, Mass.
Near BOSTON.

Mention the Florists' Exchange when writing.

BRIEFS FOR BUSY FLORISTS.

YOUNG CARNATIONS that are well established in the flats can be put into cold frames and thus make room for Easter stock. While the carnations are in the frames they must not be neglected in any way or they will soon become worthless. Look them over every day, paying just as much attention to watering and airing as was done when the flats were on the greenhouse bench.

PALMS.—There is always a fair demand for palms at a holiday season, and Easter being so close upon us the saleable sizes of palms should be over-hauled and if possible, arranged in groups of separate varieties and sizes on the benches. Have the boys sponge every leaf clean, and if the pots can be washed, so much the better. It is far preferable to have these little details attended to now than to wait until the plants must be delivered, and then have them washed and cleaned at the last moment. At that time there is so much to be done that the cleaning process might be overlooked, and to send out a dirty pot or plant is but a poor advertisement.

THE BULBOUS FLOWERING STOCK intended for Easter will have to be got into the houses this week. If the weather is bright shade will have to be given for several days; and, if the flats or pots show signs of being infested with worms, give them all a good soaking with lime water and the worms will disappear quickly. No forcing will be needed to have the plants in on time. A house where the night temperature goes down to 50 degrees will be warm enough for them.

HYDRANGEAS that are showing color well will come along all right in a rather cool house from now on; any that are well in bud but not showing color will have to be forced quite lively. A daily syringing should also be given them, together with a plentiful supply of water, otherwise if they once get dry and wilted the heads of bloom would not be so good.

HYBRID AND RAMBLER ROSES in pots or boxes should now be well budded, and applications of liquid manure every few days will be beneficial to them. Syringe regularly and keep greenfly away, either by fumigating or vaporizing with tobacco. The tea roses planted in the benches will stand liberal feeding now, which may be given either by mulching with manure or by applying liquid twice a week.

PROPAGATION of all bedding plants should be pushed from now on. Coleus of the Golden Bedder variety particularly, should be got in at once, if not already put in the sand.

Watering.—It has been said that only about ten in a hundred know when and how to water a plant. Perhaps that is placing the average a little too high. Watering is one of the most important items in the work of the plant grower. Too much or too little given to a plant is equally hartful. Too little is often the case when we see a plant evidently wet on the top of the soil, and near the bottom dust dry. This state of matters is brought about by leaving too little space for water and going over the plants carelessly with can or hose. As a rule, when this happens, the plants do not show the effect by wilting, but ultimately they show it in their starved appearance. Too much water sours the soil and fills the feeding roots, bringing about the same condition. Rules can not be laid down for watering plants, and an expert waterer can only be found in a man who carefully studies the conditions under which plants grow in their native haunts; also the condition of the plant at time of watering, whether newly rooted and potted, or newly shifted, in full vigor of growth, going to rest—sub-aquaties or succulents, drainage, and the constituents, etc., of the soil. These are all to be taken into consideration before intelligent watering can be done.

Gloversville, N. Y.

R. E. Loeben, who makes a specialty of roses and carnations, reports an extra demand for his products, necessitating the enlargement of his facilities the coming Summer to supply same.

EASTER! EASTER!

VIOLET PLANTS

(LADY CAMPBELL)

Shipped in paper pots, extra strong plants, in full bloom,

$40.00 per 100. No orders accepted for less than 25 plants.

Terms Cash. No Plants Sent C. O. D.

ERICAS PERSOLUTA ALBA and ROSEA,
4 inch pots, $4.00 per dozen.

LILIUM LONGIFLORUM (Not Harrisii),
$15.00 per 100 buds.

AZALEAS (Assorted Colors),
$9.00, $12.00, $18.00, $24.00 and $48.00 per dozen.

CUT BLOOMS LILY OF THE VALLEY,
$3.00 per 100.

W. S. ALLEN, Wholesale Commission Merchant, 17 West 28th Street, NEW YORK CITY.

CYCLAMEN

PERSICUM SPLENDENS GIGANTEUM (No finer strain on the market.) Now ready to ship, a splendid stock of plants in four separate colors. August seedlings, from 2½ in. pots, $5.00 per 100; $40.00 per 1000. October seedlings, from flats, $3.50 per 100; $30.00 per 1000.

CHINESE PRIMROSES (Fringed foliage), single and double, from 2½ in. pots, $2.00 per 100; from 3 in. pots, $4.00 per 100.

PELARGONIUMS Mme. Thibaut, Dr. Masters, Fred Dorner, Victor, Mme. Vibert, mixed, from 3½ in. pots, $1.00 per doz.; $8.00 per 100.

CANNAS (Started from sand bed), Florence Vaughan, Queen Charlotte, Alphonse Bouvier, Austria, assorted, $3.50 per 100; $30.00 per 1000.

CARNATIONS Strong plants from soil, Daybreak, Wm. Scott, McGowan, $1.75 per 100; $15.00 per 1000. Frances Joost, Mary Wood, $3.50 per 100; $30.00 a 1000.

All the above warranted A No. 1 Stock.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

AZALEAS

Blooming Plants for Easter.	Per doz
Large and shapely, 14 to 16 in..	$9 00
GENISTAS, 5 in.....	3 00
" 4 in.....	2 00
CINERARIAS, 5 in.....	1 50
HYDRANGEAS, in large bud, 5 in.	3 00
" .....4 in.	2 00
CRIMSON RAMBLER ROSES, 3 years old.....	9 00

GERANIUMS, bushy plants, Nutt, Grant, Hill, La Favorite; all the above in large bud for Easter, 4-inch..$6.00 per 100

PANSIES, large plants, ready to show bud.....50c. per 100; $3.50 per 1000

MAMMOTH VERBENAS, large rooted plants.....60c. per 100; $4.50 per 1000

WHITTON & SONS, Wholesale Florists,
CITY AND GREEN STS., UTICA, N. Y.

Mention the Florists' Exchange when writing.

EASTER STOCK

1,000 **MARGUERITE DAISIES,** 5-8 inch pots, in excellent condition.
10,000 **GERANIUMS,** in bloom, 4-5 in. pots.
500 **AZALEAS.**
PANSIES, best strain.
BELLIS PERENNIS, 3 varieties.
HELIOTROPE.
AGERATUM, Etc.

C. E. KOCH, 326 Clarkson St., Tel. Call 164 Flatbush. Brooklyn, N.Y.

Mention the Florists' Exchange when writing.

ORCHIDS

We are headquarters in the United States for established and imported Orchids. Our new price list for 1900 is now ready.

Cherry Wood Baskets, Fresh Moss and Peat.

LAGER & HURRELL,
Correspondence Solicited. SUMMIT, N. J.

Mention the Florists' Exchange when writing.

CHEAP FOR CASH.

CYCLAMEN GIGANTEUM

Strong, healthy plants, from 2 inch pots, consisting of the following varieties: **ATRORUBRUM, MONT BLANC, MAGNIFICA** and **ROSEA,** $4.00 per 100; $35.00 per 1000.

WM. SCHLATTER & SON,
408 Main Street, Springfield, Mass.

Mention the Florists' Exchange when writing.

AZALEAS FOR EASTER

We offer a very fine lot of AZALEAS, comprising the most distinct and best varieties in cultivation, embracing all shades of crimson, white, pink and rose color. They are shapely specimens, well "headed," double and single flowered, and will make splendid plants for Easter decoration. It is almost impossible to ship Azaleas when in bloom and have them arrive in good condition, hence the necessity of procuring them in advance before the buds open.

ORDER EARLY. NOTE THE SIZES.

Prices of Azaleas:	Per doz.	Per 100
10 to 12 inch heads, established plants, in pots	$5 00	$40 00
12 to 14 " " " "	6 00	50 00
14 to 16 " " " "	9 00	70 00

Six sold at dozen rates, 25 at 100 rate.

PETER HENDERSON & CO., 35 and 37 Cortlandt St., **NEW YORK.**

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR EASTER PLANTS

Blooming Easter week!

Time is money! Lose no time! Order your supply now!



I have an immense stock of the choicest in the market. You would be astonished if you could have a peep into seven large greenhouses which are crammed full, and devoted to the cultivation of Easter plants alone, and therefore I will be prepared to fill all orders, if ordered in time, as far as the supply will reach.

AZALEA INDICA I am a very large importer of this choice Easter plant. I have erected two new houses, 20x100, for the cultivation of them alone. These Azaleas were selected by myself last fall, on my trip to Ghent (Belgium), and as I am Agent for a large concern in Belgium, it gives you a chance to buy your goods first hand and not through middleman.

I can offer you plants in bloom or in buds, blooming Easter week. **6 inch pots, 60c., 75c., and some for $1.00.** Most of them are Mme. Vander Cruysen, and some other choice varieties, which will be selected by myself.

SPIRÆA, Compacta and Floribunda, fine bushy plants, my own importation, a perfect gem, 6 inch pots, $3.00 per doz.
Specimen Plants, $4.00 per doz.
HYDRANGEAS (Pink), 6 inch pots, bushy plants, $3.00 to $5.00 per doz.
CINERARIA Hybrida, choice colors, 6 inch pots, $2.50 to $3.00 per doz. In bloom now or at Easter. I have a house full of them.
BEGONIAS, President Carnot, 6 inch pots, $3.00 per doz.
Vernons, 4 inch pots, $1.20 per doz.
DAISIES (White), **Marguerite,** 5 inch pots, $2.00 per doz.
4 inch pots, $1.00 per doz.
CYPERUS (Umbrella Plants), very fine bushy plants, 4 inch pots, $1 per doz.

HYACINTHS, 4 inch pots, best varieties (of my own importation), $10.00 per 100.
TOURNESOL TULIPS, three in a pot (double red and yellow striped), beautiful, sells at first sight, 4 inch pots, $1 50 per dozen pots.
DAFFODILS, Von Sion, three in 5 inch pot, $1.50 per dozen pots.
LILIUM HARRISII and LONGIFLORUM, 6 inch pots, nice foliage (bulbs 7 to 9), 5 to 10 buds to a plant, from 1½ to 2½ feet high, at the rate of 10c. per bud.
No Lilies sold by themselves; other Plants must accompany them.
CHINESE PRIMROSES, 4 inch pots, $1.00 per doz.

Buyers visiting Philadelphia are respectfully invited to call at my place and examine my stock before buying elsewhere. Only 25 minutes' ride from City Hall.

Take 13th Street Car to Rising Sun Avenue and walk two squares east; also Germantown Car at 8th and Market Streets (North) to Ontario Street and walk one square east.

Cash with order, please. Money can be sent safe by Express, Postal Money Order, Registered Letter, or Drafts on Philadelphia Banks. Goods shipped at purchaser's risk.

GODFREY ASCHMANN, 1012 Ontario Street, Rising Sun, Philadelphia, Pa.

IMPORTER AND WHOLESALE GROWER OF POT PLANTS.

PLEASE NOTICE TESTIMONIAL BELOW:

"Mr. G. Aschmann has very fine healthy Azaleas, Hydrangeas, Easter Lilies, Spiræas, Tulips, Hyacinths and other plants in bloom and bud. We can very highly recommend our customers to Mr. Aschmann for fair, reliable, business treatment."
Philadelphia, March 6, 1900. HENRY F. MICHELL, 1013 Market Street.

Mention the Florists' Exchange when writing.

CYCLAMEN

OUR WELL-KNOWN

Giganteum Strain

In 4 separate colors, in extra fine and healthy condition.

AUGUST SEEDLINGS $6.00 per 100; $50.00 per 1000.

OCTOBER SEEDLINGS $4.00 per 100; $30.00 per 1000.

SAMPLES FREE. CASH WITH ORDER.

LEHNIG & WINNEFELD, Hackensack, N.J.

Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

SITUATION by experienced grower and designer, married; would work on shares; New England preferred. North, 9 Summer st., Plymouth, Mass.

SITUATION wanted by a good cut flower grower, competent to take charge; 19 years' experience; German, age 33, single; state wages. Grower, 704 Fifth avenue, Brooklyn, N. Y.

FLORIST, first-class maker-up and decorator, experienced in England and Germany; can produce first-class references. Address care of Pearson, 1592 Second avenue, N. Y.

SITUATION wanted on private place by a first-class gardener, married, age 28, experience in Germany, France and America; best of references; state wages. Address O. R., care Florists' Exchange.

GARDENER and florist, single, thoroughly experienced in various branches; expert grower of rare plants; competent to take charge; strictly temperate. J. L., care Wenham, florist, 26½ East 42d st., New York.

SITUATION wanted by honest, industrious, all-round man, single, for greenhouse work; willing and obliging, strictly sober and not afraid of work; can furnish reference. Address P., P. O. Box 812, Summit, N. J.

SITUATION wanted by German florist, age 28 years; has 11 years' experience in roses, carnations and general greenhouse stock; also A No.1 designer and decorator; South preferred. G. Gottschlich, 2031 Second ave., Birmingham, Ala.

SITUATION wanted by experienced grower of roses, carnations, 'mums and general stock, age 30, married. Able to take charge, or as working foreman. Last 5 years with Mr. E. G. Asmus, in charge of a range. State particulars. Ernst Fischer, Robin St., near Boulevard, West Hoboken, N. J.

HELP WANTED.

WANTED a man who thoroughly understands growing of carnations and 'mums; good position to the right man. Ben L. Elliott, Cheswick, Pa.

WANTED, a single man to take care of garden, lawn, two cows and be useful; must be sober, honest and a Protestant. J. V. Hutt, Sing Sing, N. Y.

WANTED competent assistant on nine houses general stock; one capable of taking charge; must be temperate in habits; state wages. Myers Bros., Altoona, Pa.

WANTED at once, single man, German preferred, to assist in general greenhouse and nursery work; must be honest and willing to work. Address H. Huebner, Groton, Mass.

WANTED—Nursery foreman; permanent position for a man experienced in nursery business; state age, experience and salary required. V. A., Vanicek Nurseries, Newport, R. I.

WANTED rose and carnation grower, one that thoroughly understands the business; no other need apply; must bring references from last employer; must be, sober, honest and habits good. Address O. O., care Florists' Exchange.

WANTED. FRED ZEIGLER

To take charge of Flower Store at $600 per year. W. A. Duke, Danville, Ills.

WANTED AT ONCE.

A first-class gardener for outside work; must have a thorough knowledge of nursery work; a permanent position at good wages to right man; references required. Answer, Allenhurst Nurseries, Allenhurst, N. J.

WANTED IMMEDIATELY.

If in your vicinity there be a private gardener or a grower you can earn money easily selling Tobacco Dust and Tobacco Whale Oil Soap. Write for particulars, H. A. Stoothoff, 116 West St., N. Y. City.

MISCELLANEOUS WANTS.

WANTED TO RENT.

10,000 to 15,000 feet of glass, suitable for roses and carnations, in good condition, near New York. State full particulars. W., Port Richmond, S. I.

WANTED, SPECIMEN

Areca Lutescens, please quote size and price to O. S., care Florists' Exchange.

Mention the Florists' Exchange when writing.

MISCELLANEOUS WANTS.

WANTED—Nursery stock, 250 White Spruce, 3-3½ transplanted; 100 White Pine, 5-6 ft.; 200 Spiræa Rotundifolia, 3 ft.; 100 Spiræa Arguta, 3 ft.; 100 Gallum Boreale. V. A. Vanicek Nurseries, Newport R. I.

BUSINESS OPPORTUNITIES.

TO LET or lease, two greenhouses, 20x100, and one 10x75, potting house and land. Long Island, 20 minutes from city. For terms, address 124 E. 27th Street.

FOR RENT. Four iron-frame rosehouses, 100x18 ft. 6 in., glazed, 16x24 glass, joined to one full span house, 53x18 ft. 6 in., with potting shed; built by Hitchings & Co., and in first-class condition; 30 minutes by train from New York. For particulars address Florist, 5 Park Ave., Paterson, N. J.

FOR SALE on easy terms, 3 Greenhouses, one built by Hitchings, 26x150 one 22x150; carnation Houses; one Violet House, 15x135; one acre of land and dwelling on premises, opposite depot; all in good order, in the village of Patchogue, of 5000 inhabitants. John S. Parks, Box 242, Patchogue.

FOR SALE or to rent, one greenhouse (new) in Greater New York, house 76x16, heated with hot water system, in town of 4000 inhabitants, stocked with carnations and roses; 10 lots of ground with others available; price for all, $1200, half cash; rent $12.00 per month. Address O. P., care Florists' Exchange.

FOR SALE at Great Neck.—If you are a florist looking for a fine piece of land not very far from the station and within 40 minutes of N. V., you should come to Great Neck and look at a 6¼ acre plot which I have for sale. This piece of land is well situated for a florist's place. It is sheltered in the north and northwest, and is as level as a pancake, and has a fine sub-soil suitable for carnation growing especially. Call or address John J. Mathews, Great Neck, L. I.

FOR SALE, at Contentment Island, Darien, Conn. Two greenhouses, one 175 feet long, erected last summer at a cost of over $3000; apparatus capable of heating four more houses; water supplied by new hot air engine; nearly eight acres of most fertile land, much of it well planted in fruit trees and small fruits; barn, horse, wagon, etc. Death of owner cause of selling. Terms $6000, part cash. For full particulars, address H. E. Ferris, Administrator, South Norwalk, Conn.

MISCELLANEOUS.

COUNTERS, FOR SALE,

Ice boxes and fixtures suitable for florist business. Alex. J. Guttman, 36 West 27th Street, New York.

GLASS.

A large quantity of 7x9 glass for sale cheap. Robt. Williamson, New Durham, N. J.

SPRING PLANTS

Now ready, nice stocky, healthy 2 inch pot plants.

Geraniums, double scarlet, pink, salmon and white.

Mesembryanthemums, variegata.

Lantanas, Verbenas, $2.50 per 100.

Hellotrope, Sweet Alyssum (Giant); **Scarlet Sage, Ageratum,** blue; **Cuphea, China Pinks, Popples,** hardy; **Lobella, Vinca,** variegated, **Asters, Coleus, Alternantheras,** in variety, and **Umbrella Plants,** $1.75 per 100.

Roses, in good assortment, well established, from 4 in pots, $7 per 100; unnamed, $6 per 100.

Cannas, President McKinley, and Cleveland, also a good yellow, well rooted plants, $5 per 100.

Palms, Dracænas, Pandanus, Ferns, and other decorative plants, from 10c. to $3 each.

Nephrolepis Washingtoniensis, Erecta, five strong plants for $1, free by mail. Now is the time to start this grand giant fern.

CASH WITH ORDER, PLEASE.

N. STUDER, Wholesale Grower of Plants, **Anascotia, D. C.**

Mention the Florists' Exchange when writing.

Memphis (Tenn.) is to have a floral parade on the occasion of Admiral Dewey's visit to the city in the near future.

Penna. Hort. Society's Spring Show.

The Spring show of the Pennsylvania Horticultural Society opened on Tuesday last. Like those of the past few years the number of entries was small, but this was made up in quality. The bulbous plants were all in fine condition; in fact, in the classes for hyacinths the judges had some difficulty in making their decisions, all the blooms being good, and the exhibits evenly balanced as to variety and color. The principal exhibitors were: Joseph Hurley, gardener to James M. Rhodes, Esq.; Joseph McGregor, gardener to Mrs. Thos A. Scott, and John McCleary, gardener to Wm. Weightman, Esq., the first and second prizes being evenly distributed.

The classes for cinerarias brought out 12 exhibitors, the first prize going to George Graham, gardener to Chas. Hartshorne, Esq.; second to J. H. Jones, gardener to Mrs. Mathew Baird. Both exhibits contained fine plants. The display of cyclamen was small, but good, well flowered plants, J. F. Whittaker being first, John McCleary second. In narcissus Joseph McGregor was first for singles, staging the best lot seen here in some time. Joseph Hurley took first for doubles. Tulips were scarcer than any other bulbous stock; Jos. McGregor was first in this class. George W. Brown, gardener to Robt. N. Carson, Esq., Chestnut Hill, took first for genistas, Joseph Hurley second. In the azalea classes John Hobson, gardener to Edw. A. Schmidt, Esq., was first for six plants, and also for best two, John McCleary being first for single specimen. Primulas were rather too far gone, yet some good plants were staged. For P. chinensis John McGowen, gardener to W. M. Bayard, Esq., was first, and J. F. Whittaker second. For P. obconica grandiflora, Wm. Robertson, gardener to J. W. Pepper, was first, John McCleary second. Wm. Robertson was also first for callas.

The show was a week too early for Lilium Harrisii, there being only two exhibitors—Jos. McGregor was awarded first prize for best specimen, and Jos. Hurley first for best six.

Thomas Long, gardener to Geo. W. Childs Drexel, Esq., took the prizes both for six and best specimen ferns, with some grand plants—the best seen here in a long time.

Jos. McGregor was a very large exhibitor in the geranium classes, taking first for six plants and first for specimen; also first for six new varieties. These plants were quite a feature of the show, being very well grown—about 3 feet in diameter and well flowered.

Geo. W. Brown exhibited a well-grown plant of Bougainvillea Sanderiana, and was awarded a certificate for culture.

Jos. Hurley staged a large group of flowering plants, including several varieties of abutilon, Cineraria stellata, marguerites and begonias, and got a certificate for culture.

Joseph Heacock put up a group of palms of all the best commercial varieties in various sizes, and was awarded a certificate for culture, which he certainly deserved, as the plants were a grand lot, well grown, in the best of condition; in fact, without a blemish. John Westcott, as of old, was on hand with a large group of decorative plants, including Boston ferns, araucarias, pandanus, dieffenbachias, etc., and was awarded the society's silver medal. Hugh Graham added glory to his many triumphs, and built a floral bower in the center of the hall, which was brilliantly illuminated and greatly admired. He also captured the silver medal of the society. Joseph Kift & Son made a large display of their new flower holders in many styles, from the small spiral stands for table use, also mantel, mirror and wall rods. Then, to show the individual bottles with rubber cap, for single flowers, they fastened wire netting to the wall; in this were put laurel branches, and the small bottles holding short Beauty were fastened all over, giving the effect of a large climbing rose.

The competition for cut roses was very keen; the class for 25 long-stemmed Beauty brought out seven entries, Myers & Samtman being first, Jos. Heacock second. Other entries were those of John Burton, G. C. G. & L. Pennock, A. Farenwald and George Anderson. The contest was close, and took much deliberation on the part of the judges. Jos. Beavis was first for Bridesmaid, also for Bride, Myers & Samtman and Jos. Heacock being second in the classes given above. John Burton was first for Meteor, Jos. Heacock second.

Robt. Scott & Son received a silver medal for Liberty, and the certificate of the society for their new rose Robert Scott. The latter is a hybrid tea, and will prove a grand acquisition.

The carnation classes were not well filled. In light pink H. Weber & Son took the certificate, with Genevieve Lord. Robt. Craig & Son took the silver medal in the class for 100 blooms, with Ethel Crocker. J. L. Dillon sent Queen Louise, but unfortunately it came a day too soon, and did not show up well when the judging took place on Wednesday. The Marquis arrived three hours late, after all the awards had been made, or no doubt it would have been counted in the winning list. DAVID RUST.



New York. — Last Monday evening the under-noted scores were rolled:

	1	2	3
Hafner	153	131	141
Siebrecht	149	147	156
Marshall	143	169	139
O'Mara	175	155	178
Burns	166	170	140
Withers	103	130	122
Taylor	127	113	106
Donlan	124	188	126

St. Louis.—Following are the scores for March 19:

	1	2	3	4	5
C. A. Keuhn	119	147	133	127	127
J. J. Beneke	108	139	113	172	130
C. C. Sanders	143	..	..	..	..
F. C. Weber	..	131	136	131	130
John W. Kunz	130	133	108	169	131
John Young	107	195	103	104	..
F. J. Fillmore	110	65	76	147	96
S. S. Skidelsky	..	..	..	98	91

Firms Who Are Building.

TALLMADGE, N. Y.—Thomas Rhyme will build another greenhouse this Spring.

GARDNER, MASS.—Arthur F. Johnson is building another greenhouse for lettuce growing.

CHANGES IN BUSINESS.

BRIDGEPORT, CONN.—The West End Floral Garden will shortly remove into the Masonic Temple.

NEW ROCHELLE, N. Y.—Peter H. Curren has opened a flower store here at 315 Main street.

BATAVIA, ILL.—Clark & Palmer, florists, have dissolved partnership.

WESTERLY, R. I.—Cynthia A. Sisson has sold her greenhouses; they will be taken down and removed.

GLOVERSVILLE, N. Y.—George Main has purchased the stock of Scheffler & Stout. Mr. Main will take possession April 1. Mr. Scheffler has gone to Great Falls, Mont., as manager for Mr. Kraus; Mr. Stout remains here until the first of next month.

WESTFIELD, N. J.—Felix Bridger has taken the place formerly occupied by Alfred Bridger, on Central avenue. He carries on a wholesale and retail business in general stock.

QUEENS, N. Y.—Alfred H. Walker, late foreman to J. Roscoe Fuller & Co., has leased the greenhouses of Mrs. Hermann Sherber here, and will grow plants for the trade.

BOSTON.—The firm of N. S. Wax & Son, florists, has been dissolved by mutual consent, Henry Wax retiring; and the business will hereafter be carried on by N. S. Wax, at the old location, 56 Winter street.

The BEAUTIFUL and RARE **AZALEA (Rhododendron) VASEYI**

Introduced by us, is planted by thousands in Franklin Park, Boston, Prospect Park, Brooklyn, and other leading parks of America. A mass of pink and white flowers in early spring. Unequalled in Cemetery Work. It can be seen now in every large cemetery.

Strong Budded Plants { 18 to 24 ins., $15.00 per 100. / 2 to 3 ft. 35.00 " / 3 to 4 " 50.00 "

Many new and rare species of Hardy American Plants and Carolina Mountain Flowers. Wholesale Catalog to Park and Cemetery Officials and the trade generally.

Correspondence Solicited. Address

Proprietor HIGHLANDS NURSERY, Kawana, North Carolina. **HARLAN P. KELSEY, Tremont Building, Boston.**

Mention the Florists' Exchange when writing.

GERANIUMS.

From 2¼ inch pots, fine assortment, double and single, pink, white, red and salmon, **$2.50 per 100.**
Gloire de France, Rev. Atkinson, Mme. Bruant, and Camille's Favorite, 4 cts. each.
Golden Dawn, 10 cts. each.

FERNS.

NEPHROLEPIS CORDATA COMPACTA, 2½ inch, 4 cts.
CYRTOMIUM FALCATUM, 2½ inch, 3 cts.
Mention Paper.

ALTERNANTHERA.

Rooted cuttings, August struck. **Paronychioides Major** and **Aurea Nana, 60 cts. per 100; $5.00 per 1000,** prepaid.
CASH WITH ORDER.

G. W. WEATHERBY, = = Chillicothe, Mo.

CARNATIONS

From 2¼ inch Pots.

	100	1000
Lizzie McGowan	$1.50	$9.00
Mrs. James Dean	2.00	
John Young	2.00	
Triumph	2.00	
Jack Frost	2.00	
Wm. Scott	2.00	15.00
Elsie Akehurst	5.00	40.00

Cash with order, please.

C. AKEHURST & SON, White Marsh, Md.
Mention the Florists' Exchange when writing.

LOOK HERE!

Strong Carnation Cuttings

FROM FLATS.

Mary Wood, White Cloud, John Young, Genesee, Melba, $2.00 per 100; $18 per 1000.
Firefly, John's Scarlet, Flora Hill, Daybreak, Storm King, Armazindy, Helen Keller, Albertina, $1.50 per 100; $13.00 per 1000.
Scott, McGowan, Portia, $1.25 per 100; $10.00 per 1000.
250 at 1000 rates. CASH WITH THE ORDER.
ALSO A FULL LINE OF BEDDING PLANTS.

JAMES E. BEACH, Box 776, **Bridgeport, Conn.**

CARNATIONS

HEALTHY ROOTED CUTTINGS.

Wm. Scott.....per 100, $0.90; per 1000, $7.50
Miss Anna Webb.....per 100 1.25

CASH, PLEASE.

JOHN R. SCHREINER, - Lancaster, Pa.
Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

ROOTED CUTTINGS.

Woodford, Glory of Pacific, Monarch, Rose Owen, Robinson, Montmort. } **$8 per 1000.**

New early white **POLY ROSE,** $4.00 per 100.
Cash With Order.

PAUL BRUMMER, - Corona, L. I., N. Y.
Mention the Florists' Exchange when writing.

GERANIUMS

In 3 inch pots, in 12 best varieties, including such as La France, B. Poitevine and Grant, $2.50 per 100.

CARNATION PLANTS.

From flats, clean: Scott's, Daybreak, $1.20 per 100. Flora Hill, $1.50 per 100. McGowan, $1.00 per 100.
Cash With Order.

ALEX. SCHULTZ, - Phillipsburg, N. J.
Mention the Florists' Exchange when writing.

VERBENA KING.



Verbenas, rooted cuttings, 60c. per 100; $5.00 per 1000; $22.00 per 5000. 2 in. fine plants, $2.00 per 100; $18.00 per 1000.

Ageratum, Lady Isabell and Cope's Pet, 60c. per 100; $5.00 per 1000.

CARNATIONS.

	100	1000
Flora Hill	$1.50	$14.00
Morello	1.50	14.00
M'y'r Pingree	1.50	14.00
Daybreak	1.50	14.00
McGowan	1.00	8.00
Wm. Scott	1.00	8.00

Daisies, California and Yellow Castle, $1.00 per 100; $9.00 per 1000; 2 inch, $2.00 per 100.

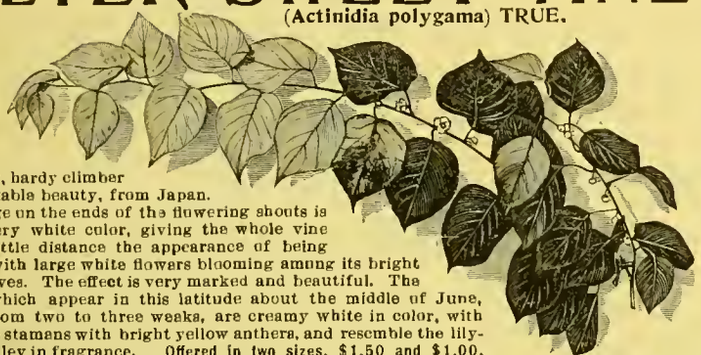
Heliotrope, 10 best varieties, $1.00 per 100; $8.00 per 1000. Fine 2 inch plants, $2.00 per 100; $18.00 per 1000.

Express paid on all rooted cuttings and satisfaction guaranteed; for that cash, please.

C. HUMFELD,
CLAY CENTRE, KANSAS.
Mention the Florists' Exchange when writing.

SILVER-SWEET VINE

(Actinidia polygama) TRUE.



A new, hardy climber of remarkable beauty, from Japan. The foliage on the ends of the flowering shoots is of a silvery white color, giving the whole vine from a little distance the appearance of being covered with large white flowers blooming among its bright green leaves. The effect is very marked and beautiful. The flowers, which appear in this latitude about the middle of June, lasting from two to three weeks, are creamy white in color, with numerous stamens with bright yellow anthers, and resemble the lily-of-the-valley in fragrance. Offered in two sizes, $1.50 and $1.00.
Send for Circular. Discount to the trade.

J. W. CLARK, North Hadley, Mass.

Violets My Specialty

LA FRANCE,

The best and largest single violet, good-rooted plants, $3.00 per 100; $25.00 per 1000.

PRINCESS OF WALES,

$1.00 per 100; $8.00 per 1000. Cash please.

SEA CLIFF NURSERY, Sea Cliff, L. I., N. Y.
FD. BOULON, PROPRIETOR.
Mention the Florists' Exchange when writing.

HARDY VERBENAS.

Fine for cemetery planting, per doz., 75c.; per 100, $5.00.

Rooted Cuttings—Ageratum, blue and white, a 100, 60c. **Geraniums,** rose, walnut and skeleton leaf, a 100, $1. **Salvia,** Splendens and Bedman, a 100, 80c.

Basket and Vase Plants.

Saxifragia Sarmentosa, fine plants, per 100, $1.0. **Variegated Ivy,** 2 in. pots, per 100, $2.00. **Fly Plant,** in bloom, per 100, 60c. **Air Plant,** plain and variegated, per 100, 60c.; **Cigar Plant,** per 100, 90c. Plants by mail prepaid.

S. C. BRENDEL, West Newton, Pa.
Mention the Florists' Exchange when writing.

ROSES

FINE YOUNG STOCK FROM 2 1-2 IN. POTS.

The Following List at $3.00 per 100, $25.00 per 1000.

*Bride	Etoile de Lyon	*Mrs. DeGraw
*Marie Lambert	*Tennessee Belle	*Empress of China
*Duchess Brabant	*Safrano	*Yellow Rambler
Wichuraiana	Princess Sagan	*Marie Van Houtte
*Yellow Soupert	Agrippina	*Coquelle de Lyon
Bridesmaid		*Climbing White Pet
*Purple China		*Clothilde Soupert

Following List at $3.00 per 100, $30.00 per 1000.

Maman Cochet	Golden Rambler	Meteor
Climb'g Malmaison	White La France	*Seven Sisters
Reine M. Henriette	Crimson Rambler	Climbing Woolton
Media	Comt'se Frigueusse	Bertha Clavel
Climb. Bridesmaid	Franceska Kruger	Marechal Niel
Mary Washington	Climb'g Marie Guillot	Vera de Flora
White Maman Cochet	Climbing Meteor	Duchess of Albany
Christine de Noue	Malmaison	Papa Goutier
Rainbow	*Hermosa	*La France

KAISERIN, $3.50 per 100; PRES'T CARNOT, $4.00 per 100.

The varieties marked with a star (*) we have in fine 3½ inch stock, at **$4.00 per 100.**

TWO-YEAR-OLD ROSES

Fine plants from 4 inch pots, **$10.00 per 100.**

Pierre Guillot	Kaiserin	Etoile de Lyon
Soy. Wootton	Pres't Carnot	Malmaison
Crimson Rambler	Wichuraiana	La France
Princess Bonne	Marechal Niel	White Rambler
Media	Princess Sagan	Duchess of Albany
Cli. Niphetos	The Bride	White M. Cochet
Bridesmaid	Beaute Inconstant	Duchess Brabant
White La France	Mme. F. Kruger	Coq. de Lyon
Mme. Plantier	Golden Rambler	Papa Goutier
Clothilde Soupert	Sunset	Bertha Clavel
Marie Guillot	Maman Cochet	Christine de Noue
Mrs. DeGraw	M. Van Houtte	Hermosa
Mme. Cusin	Yellow Soupert	Meteor
Perle	Niphetos	Mme. Welche
Rainbow	Golden Gate	Coq. des Alps
Safrano	Boule de Neige	

Also a moderate quantity of two-year-old Hybrid Perpetuals in variety, best kinds at **$15.00 per 100,** and a limited number of large budded H. P.'s at the same price.

MISCELLANEOUS STOCK.

Flowering Begonias Rubra, Robusta, F. de Lesseps, Sandersonii, Argentea Guttata, Vernon, nice 2½ inch stock, at **$3.00 per 100**; also Rubra, from 2½ inch pots, at **$4.00 per 100.**

Hardy Pinks Earle of Carlisle, Her Majesty, Laura Wilmer, Brunette, Alma, Fimbriata, Juliette, 2½ inch, **$2.50 per 100**; 3½ inch, **$4.00 per 100.**

Moon Vines White and Blue, **$3.00 per 100.** Pink Moon Vine, **$4.00 per 100.**

Ferns N. Cordata Compacta, Exaltata, **$4.00 per 100**; Bostoniensis, **$5.00 per 100**; from 3½ in. pots, **$7.00 per 100.**

SCENTED GERANIUMS, Rose, Mrs. Taylor, Nutmeg, Balm, Oak, Lemon and Geraninms in variety, at $3.00 per 100.

APPLE GERANIUMS, 3 inch, $5.00 per 100.

PETUNIAS, mixed, 3 inch, $4.00 per 100.

GERMAN IVY, $2.00 per 100.

STROBILANTHES DYERIANUS, $3.00 per 100.

HIBISCUS COOPERI, $3.00 per 100.

TROPÆOLUM PHOEBE, NASTURTIUM, $2.00 per 100.

SANSEVIERA ZEYLANICA, $4.00 per 100.

MARGUERITES, $3.00 per 100.

SALVIAS, $3.00 per 100.

HONEYSUCKLES, Hall's Japan and Golden Japan, $3.00 per 100.

COLEUS, in variety, $2.00 per 100.

AGERATUM Princess Pauline, $3.00 per 100.

SMILAX, $2.00 per 100.

VINCAS, $2.50 per 100.

PERIWINKLES, white and pink, $3.00 per 100.

FARFUGIUM GRANDE, $6.00 a 100.

ALTERNANTHERA, rooted cuttings, $1.00 per 100.

ABUTILONS, 3½ in., $4.00 per 100.

Unless otherwise specified all stock is from 2½ inch pots.

THE NATIONAL PLANT CO., Dayton, Ohio.



(69) **Plants Sent for Name.**—S. Bros.—(1) Nephrolepsis sp., probably tuberosa; (2) Russelia juncea; (3) specimen not in good condition.

(70) **Rooting Cuttings of Bougainvillea.**—To root cuttings of bougainvillea no unusual treatment is necessary. Take the wood while in a young state and place in a brisk bottom heat.

(71) **Name Wanted.**—Will you tell me through Question Box the proper name of the plant called Baby's Breath? I have heard it called "Mist," but cannot find it in catalogues.—J. S.

—Gypsophila elegans.

(72) **A Question as to Rent.**—What would be a fair rent to pay per 1,000-foot floor space for rose houses, iron frame in good condition, city water but no stock; about one hour by train from New York City. Is there any standard rate?—E. A. S.

(73) **Adiantum as a House Plant.**—S. P. B.—Adiantum cuneatum never gives much satisfaction as a house plant, as the atmosphere of a living room is too dry for it. There is a variety that withstands the dry heat much better and will prove more satisfactory for that purpose, viz., Adiantum Capillus-Veneris.

(74) **Topping Carnations.**—The best way to top carnations is to pinch the lead out just below the topmost joint, with the finger and thumb. If the center leaves are pulled out there is danger of pulling up the young plants if the lower part is not held firmly by one hand while the operation is being performed.

(75) **Propagating Lilies by Scales.**—How are scale lilies propagated in commercial quantities. Are the scales separated from the bulbs as soon as taken from the ground, or after the bulbs have rested? Are the scales placed in flats immediately upon separation? Are large old or small young bulbs used? Are bulbs divided very closely, or are just a few scales used from each? Any information on this and also on the growing of bulbous oxalis (Bermuda buttercup) will be greatly appreciated.—F. J. H.

—The bulbs should be given a period of rest before the scales are separated and placed in flats. If the bulbs are sound it matters little whether young or old ones are used. Only those scales that can be pulled off easily should be taken, the remainder of the bulb can be planted after such scales have been removed. The oxalis bulbs should be separated from each other before starting if it is desired to increase the stock. Small pots should be used to start them in, and any ordinary greenhouse temperature is suitable for them. Use a moderately rich soil, with a liberal sprinkling of coarse sand mixed with it.

(76) **Boiler Generating Gas.**—I have a No. 15 Hitchings hot-water boiler which generates gas in such quantities that it sometimes explodes with considerable force. The explosions usually occur after the last firing at night, and always when the wind is high. The chimney has an 8x8 flue and good draft, and is 4 feet above roof. I have tried stove, nut and pea coal, all to no purpose. If you can suggest a remedy I should be obliged.—W. H. P.

—Replying to your favor of the 9th inst., regarding the No. 15 Hitchings boiler, which you state generates gas in such quantities as to explode during high winds, we would say, that without making an examination we cannot decide the cause of the trouble. It may be that the flue or smoke pipe is clogged with soot, or possibly there is an accumulation of soot or coal on the extreme back portion of the bridge wall. We have known cases where coal and soot have been packed in there so firmly as to check the draft and cause trouble with gas; or it may be that there is some outside obstruction near the chimney, which would cause a down draft during high winds. If neither of the causes mentioned exists, we are unable to locate the trouble without examining the premises, which we would be pleased to do without charge if your correspondent is located near this city. Regretting we cannot give you any definite information,

HITCHINGS & CO.
Per C. A.

A Flower Show for Brooklyn.

Brooklyn may at last have a flower show worthy of the name. Park Commissioner George V. Brower, of the Boroughs of Brooklyn and Queens, is enthusiastic over the idea of having one at the new greenhouses in Prospect Park next November. Chrysanthemums will be the special feature, but other flowers and plants will be well represented. A liberal list of prizes will be offered, and from the favor with which the idea is received in all quarters there is every promise of success. All entries will be free and the exhibition will be open to the public as long as the flowers remain. Further particulars will be given as soon as the details are arranged.—Eagle.

The florists of La Crosse, Wis., are considering the subject of organization for advancing an interest in the culture of flowers.

Pittsburg.

The Market.

Trade remains about the same; always something doing, and no complaints are heard. Stock is all that can be desired as regards quantity and quality. Roses, perhaps, are a little scarce at times, but better weather can soon be expected, which will produce more satisfactory results. Carnations still hold up in price; good ones easily fetch from 75c. per dozen up, at retail, and the keeping quality seems much improved. Mignonette is fine and in fair demand. Sweet peas go slow—too high in price. Tulips are doing well, but Dutch hyacinths are not in great demand. Violets go fairly well. Harrisii lilies are coming in very slow, and will not be plentiful for Easter; prices will be away up.

The weather is still against plant sales—snow on the ground the first day of Spring, March 21.

Visitors during the week were: Robert Greealaw, N. F. McCarthy & Co., Boston; J. B. Begbie, of Lucas & Boddington Co., New York; also Hageman & Meyer's representative of same place, and from Philadelphia, Ed. Reid.

E. C. REINEMAN.

NEW CROP **WINTER-BLOOMING**

Carnation Seeds!

Hand Fertilized, 25c. per 100. Cash with order.

AMERICAN ROSE CO., Washington, D.C.

HARDY PINKS

Rooted Cuttings. Now Ready. 7 Sorts, as follows:

HER MAJESTY, Giant White. ALBA FIMBRIATA, White, fringed. BAUNETTE, Pink, with maroon markings. EARL OF CARLISLE, Variegated, maroon, rose and white. GERTRUDE, White, maroon markings. LAURA WILMER, Pink, with darker shadings, fringed. MAY, beautiful flesh-pink, very fragrant.

$1 per 100, postpaid; $8 per 1000, by express.

SATISFACTION GUARANTEED.

A. B. DAVIS & SON, Purcellville, Va

New Carnation-ALMA

The most productive Carnation we have. Rose Pink, new, $5.00 per 100; $40.00 per 1000.

Daybreak, $2.00 per 100; $15.00 per 1000.
Wm. Scott, Genesee, Evelina, Portia and **Bon Ton,** $1.50 per 100; $10.00 per 1000.
Victor, $1.50 per 100; $12.00 per 1000.
F. Hill, $1.75 per 100; $15.00 per 1000.
White Cloud, $2.50 per 100; $20 per 1000.
Jubilee, $2.00 per 100; $15.00 per 1000.

BABY PRIMROSE 3 in., strong, per doz., $1.50; per 100, $10.00.

C. MERKEL & SON, Mentor, Ohio

Wm. Scott Carnation

Cuttings are going fast, every first order sent out has batched another, so do not delay but order at once, as they will not last long, at **$6.00 per 1000.**

Mrs. Joost, Melba, $2.50 per 100; $20.00 per 1000.
Flora Hill, Daybreak, $1.25 per 100; $10 per 1000.
General Maceo, $4.00 per 100; $35.00 per 1000.
Victor, Mayor Pingree, $1 per 100; $9 per 1000.
Jubilee, $1.50 per 100; $12.00 per 1000.

10,000 PETUNIA CUTTINGS Well-rooted, double, of the best selected vars., $1.50 per 100; $12 per 1000. Cash with order.

CARL E. TAUBE, Trenton, N. J.
MERCER FLORAL CO.

Mention the Florists' Exchange when writing.

CARNATIONS

Large Stock of Strong Rooted Cuttings Now Ready.

G. H. CRANE, MORNING GLORY, MACEO, GLACIER, GOMEZ, AMERICA, RED MRS. BRADT (or Chicago), MARY WOOD and other good standard sorts.

MRS. GEO. M. BRADT for March delivery—all the early stock sold.

FIVE 1900 NOVELTIES.

MRS. THOS. LAWSON, ETHEL CROCKER, THE MARQUIS, OLYMPIA and GENEVIEVE LORD. At introductory prices.

We make a Specialty of Rooted Cuttings, and have three houses of stock growing for that purpose only.

Send for Descriptive Price List.

F. DORNER & SONS CO.,
LAFAYETTE, IND.

Mention the Florists' Exchange when writing.

Ethel Crocker Absolutely the best Pink CARNATION ever offered the Trade. . . . .

A fact fully borne out by its record, being equally good with Craig, Hill, and myself. (An assurance that it is not a success in one soil and a failure in another.) By its having been shown at the Flower Shows and Clubs since early in September. (An assurance that it is not a good late carnation, but an all season variety.)

In color, size, fragrance and stem it is just what the "storemen" want.

In habit, constitution and freedom of bloom, it is just what the grower wants. It produces more flowers to the square foot than any other known variety, and is never out of crop from September to July.

With 18,000 stock plants to work from there is no danger of it being over-propagated, and all orders intrusted to me will be filled with cuttings selected from the plants and the order filled by myself, thus doubly assuring good stock.

Honest sample blooms furnished, prepaid, at $1.00 per dozen. Amount deducted from all orders for 100 or over. Up to date, every sample excepting one out of several hundred sent, has brought an order.

PRICE—Per 100, $10.00; per 25, $2.50; per 1000, $75.00; per 250, $18.75.

☞**PRICE LIST FOR STANDARD VARIETIES READY NOW.**

ALBERT M. HERR - - Lancaster Pa.

Mention the Florists' Exchange when writing.

R. C. CARNATIONS, CLOSING OUT PRICES.

	Per 100
Mrs. Thos. W. Lawson	$12 00
Olympia	12 00
Genevieve Lord	9 00
Morning Glory, light pink	6 00
John Young	1 00
White Cloud	2 00
Mrs. G. Bradt	3 00
Gold Nugget	2 00
Argyle	75
Armazindy	$ 75
Flora Hill	1 00
America	3 00
Melba	2 00
Glacier	2 50
Maude Adams	2 00
Empress	75
Psyche	75
Mary Wood, fine	3 00

UNROOTED CARNATION CUTTINGS.

	Per 100
G. H. Crane	$2 00
Glacier	1 50
Mrs. G. Bradt	1 50
Melba	1 50
Gold Nugget	1 00
Flora Hill	$ 50
Mary Wood	1 50
White Cloud	1 00
America	1 75

Unrooted Cuttings Prepaid by Mail.

PLANTS—ALL GOOD STOCK.

GERANIUMS:		Per 100
De Roo Mitting	2¼ in.	$7 00
Double Snow Drop	"	7 00
Mme. Sallerot	"	2 00
Named, our selection only	"	2 00
New Yellow Baby Primrose, in bloom	2¼ in.	7 00
Salvia, Clara Bedman	"	1 50
Coleus, named	"	1 50
Petunias, Mixed Doubles	"	2 00
Petunias, Mixed Doubles	3 in.	3 00
Primula Obconica, in bloom	3½ in.	3 00
Primula, Chinese, in bloom	3½ in.	2 50
Primula, Chinese, in bloom	2¼ in.	1 00
Primula, Chinese, from flats		50

	Per 100
Begonias, Flowering, 12 named varieties	2¼ in. $1 50
Forget-Me-Not, winter bloomer,	" 1 50
Iresines, red and yellow	" 1 50
Mesembryanthemum, basket plant,	2¼ in. 1 50
California Moss, basket plant	" 1 50
Lobelia, blue	" 1 50
Feverfew, little gem and yellow foliage,	2¼ in. 1 50
Cigar Plant	" 1 50
Abutilons, mixed only	1 50
Roses, Bride, Bridesmaid and Perle,	2¼ in. 2 00

MORRIS FLORAL CO., MORRIS, ILL.

Mention the Florists' Exchange when writing.

Special Spring Trade Edition Next Issue.

Send Your Ad. by Return Mail.

CARNATIONS John Young, New York, Eldorado, Hector, $1.50; G. H. Crane, $6; White Cloud, $4; Mrs. Jas. Dean, $3 a 100. Unrooted John Young and New York at half price.

GERANIUM, Oco. Orant, S. A. Nutt, La Conbable, 3 inch, $3.00.

DOUBLE PETUNIAS, 2½ inch, $2.00.

HELIOTROPE, Rooted, $1.00; 2 inch, $2.00.

Orders for started Canoas booked.

Wanted, some thousands of Cannas, Florence Vaughan and Alphonse Bouvier, at lowest cash price.

WILLIAM STUPPE, Hollis, L. I., N.Y.

Mention the Florists' Exchange when writing.

Mrs. Fisher Carnations

From soil, $1.00 per 100; 2½ in. pots, $2.00 per 100.

Chrysanthemums Merry Monarch Bonnaffon, and Merry Xmas, $2 per 100.

Cash with order.

WM. KEIR, Pikesville, Md.

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS.

Wm. Scott	per 1000, $10 00
Maude Adams	per 100, 3 50
Mrs. F. Joost	per 100, 2 50
Lady Emma	per 1000, 12 50

☞ Unrooted at half price.
☞ Write for prices on large lots.

CHARLES LENKER, Freeport, L. I.

Mention the Florists' Exchange when writing.

EVANSTON Cuttings

Get your Rooted Cut ings of **EVANSTON**, orange scarlet, money maker, from original tock.

Price, $2.50 per 100; $20 per 1000.

ADDRESS

M. WIELAND, 1917 Maple Avenue, EVANSTON, ILL.

Mention the Florists' Exchange when writing.

Rooted Cuttings of Carnations

NOW READY

Jubilee, White Cloud, New York, and all standard varieties. Write for prices.

VIOLETS Orders booked now for rooted cuttings. If you want the best stock obtainable give us your order now for April delivery and you will get the best.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

Carnations, Rooted Cuttings,

Crane, $6 per 100; America, $5 per 100; White Cloud, $4 per 100; Jubilee, $2 per 100; Scott, Daybreak, Victor, F. Hill, McGowan, Evelina, Eldorado, $1.25 per 100, $10 per 1000.

Roses, 2-inch Pots, Select Stock. Perles 4 cts.; Bride and Bridesmaid, 3 cts. Send for list of other varieties.

WM. MURPHY, Sta F, Cincinnati, O.

Mention the Florists' Exchange when writing.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing.

Rooted Cuttings of New and Standard

CARNATIONS.

SEND FOR PRICE LIST.

WM. SWAYNE, Kennett Square, Penn.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

OF CARNATIONS.

Both new and old varieties at lowest prices for good stock. Special rates on orders booked for future delivery. Satisfaction or money refunded. Send for price list.

GEO. A. RACKHAM, 880 Van Dyke Avenue, DETROIT, MICH.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS.

WM. SCOTT, $10.00 a 1000. L. McGOWAN, $7.50 a 1000. LADY EMMA, $12.00 a 1000. 500 at 1000 rate.

Unrooted cuttings at half price.

ED. FISCHER, Maspeth, L. I.

Mention the Florists' Exchange when writing.

CARNATIONS.

Rooted cuttings, clean, cool grown stock. Freedom, Daybreak, Dana, Jahn's scarlet, Mangold, $1.50 per 100.

Bon Ton, John Young, $2.50 per 100.

Gen. Gomez, $4 50, and Maceo, $6.00, per 100.

Transplanted, 50c. per 100 more. Cash, please.

W. G. KRABER,

35 Tremont St., NEW BEDFORO, MASS.

Mention the Florists' Exchange when writing.

Rooted Cuttings—Carnations

Gomez, Maceo, Jubilee, White Cloud, Flora Hill, Daybreak, Scott, McGowan, Portia, Eldorado and Anna Webb.

WRITE FOR PRICES.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

ROOTED CARNATION CUTTINGS.

ETHEL CROCKER	$10 00	per 100
THE MARQUIS	10 00	"
G. H. CRANE	5 00	"
WHITE CLOUD	2 50	"
MRS. JOOST	2 00	"
VICTOR	1 25	"
DAYBREAK	1 25	"

H. F. LITTLEFIELD, Worcester, Mass.

Mention the Florists' Exchange when writing.

CARNATION Cuttings.

	Per 100	1000
MRS. LAWSON	$14.00	$120.00
G. H. CRANE	5.00	
AMERICA	3 00	25.00
MELBA	3.00	25.00
LESLIE PAUL	3.00	25.00
GOV. GRIGGS	3.00	25.00
MRS. BRADT	2.50	20.00
FRANCES JOOST	2.50	20.00
EVANSTON	2.50	20.00
JUBILEE	2.00	15.00
NUGGET	2.00	15.00
WHITE CLOUD	2.00	15.00
FLORA HILL	1.50	12.50
TRIUMPH	1.50	12.50
VICTOR	1.50	12.50
DAYBREAK	1.25	10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
McGOWAN	1.00	7.50
MAYOR PINGREE	1.00	7.50
NIVEA	1.00	7.50
EVELINA	1.00	7.50
WM. SCOTT	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS.

	Per 100	1000
BRIDE	$1.50	$12.50
BRIDESMAID	1.50	12.50
METEOR	1.50	12.50
PERLE	1.50	12.50
GOLDEN GATE	2.50	

ROSE PLANTS From 2½ in. Pots.

	Per 100	1000
BRIDESMAID	$3.00	$25.00
BRIDE	3.00	25.00
PERLE	3.00	25,00
METEOR	3.00	25.00
GOLDEN GATE	4.00	35.00
KAISERIN	4.00	35.00

All plants and cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded.

Write for prices on larger lots.

PETER REINBERG,

51 Wabash Ave., Chicago.

Mention the Florists' Exchange when writing.

POTTED CARNATIONS!

Stocky Plants For Mailing Trade. 10 Per Cent. Discount Until April 10.

CASH WITH THE ORDER.

	Per 100		Per 100		Per 100
Flora Hill	$3 00	**Argyle**	$4.00	**Daybreak**	$3.00
Jubilee	3.00	**Firefly**	3.00	**Triumph**	4.00
Evelina	3.00	**Wm. Scott**	3.00	**Portia**	2.50
Alaska	3.00	**Mayor Pingree**	3 00	**Bon Ton**	3.00

FICUS (Rubber Plants), top cuttings, 4 in. pots, 12 in. high, $25.00 per 100. **ROSES** Crimson Rambler and Marechal Niel, 2½ in., $3 a 100; $25 a 1000.

CHRYSANTHEMUMS Cut Flower Varieties, $3.00 per 100.

McGREGOR BROTHERS, Springfield, Ohio.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000		Per 100	Per 1000
Mrs. Lawson	$14 00	$120 00	Flora Hill	$1 25	$10 00
G. H. Crane	5 00		Daybreak	1 25	10 00
America	5 00	40 00	Argyle	1 25	10 00
White Cloud	2 50	20 00	Armazindy	1 25	10 00
Frances Joost	2 50	20 00	Lizzie McGowan	75	5 00
Triumph	2 50	20 00	Mayor Pingree	1 00	7 50
Evanston	2 50	20 00	W. Scott	1 00	7 50
Jubilee	2 00	15 00	Tidal Wave	1 00	7 50
Gold Nugget	2 00	15 00			

ROSES.

	Per 100	Per 1000		Per 100	Per 1000
La France	$3 00	$17 50	Meteor	$1 50	$12 50
Perle	1 50	12 50	Bride	1 50	12 50
Bridesmaid				1 50	12 50

LA FRANCE, BRIDESMAID, BRIDE, PERLE,

2½ inch plants, from pots, $3.50 per 100; $30.00 per 1000.

Stock to be first class and to be sold under the conditions that they shall be returned immediately if not satisfactory. Address

GEORGE REINBERG,

Mention this paper. **51 Wabash Avenue, CHICAGO, ILL.**

Carnation Cuttings.

WRITE FOR SPECIAL DISCOUNTS AND ... LET US FIGURE ON YOUR WANTS ...

	100	1000	Blooms.
Genevieve Lord, the peer of any light pink carnation ever offered	$2.00	$15.00	4c. each.
Chicago, scarlet Bradt, from sand or soil	1 50	10.00	4c. "
Mrs. Lawson, cerise pink	3 00	14 00	120.00
Olympia, variegated, extra strong from soil	2.00	12.00	100.00
Ethel Crocker, pink, from soil	1.50	10.00	75.00

	100	1000	Blooms
Mrs. Frances Joost, pink	$2.50	$20.00	3c. each
Mrs. James Dean, pink. From sand or soil.	2 50	20 00	4c. "
John Young, white. From sand or soil.	2 50	20.00	4c. "
White Cloud, white. From sand or soil.	4.00	30.00	4c. "
Mrs. Bradt, variegated. From sand or soil.	5.00	40.00	4c. "
Gen. Maceo, crimson. From sand or soil.	6.00	50.00	4c. "
Gen. Gomez, crimson. From sand or soil.	6.00	50.00	4c. "

	100	1000	Blooms
G. H. Crane, scarlet	$6.00	$50.00	4c. "
Gold Nugget, yellow. From sand or soil.	2 50	20.00	4c. "
Argyle, carmine. From sand or soil.	2.50	20.00	4c. "
Jubilee, scarlet	2.00	15.00	4c. "
Armazindy, variegated	2 00	15 00	2c. "
Evelina white	2.00	15 00	2c. "
New York, deep pink	2.00	15 00	2c. "
Wm. Scott, pink	2 00	15.00	2c. "
Victor, pink	2 00	15.00	2c. "
Daybreak, light, pink	2 00	15 00	2c. "
Flora Hill, white	2.00	15.00	2c. "

CHICAGO CARNATION CO., GREENHOUSES AND ADDRESS, **JOLIET, ILL.**

GENEVIEVE LORD

The Peerless New Light Pink Carnation.

THE demand has been such that we are compelled to announce that stock for delivery prior to March 20 is all sold. Experts agree that it is the best selling pink yet produced. The color is just right, the ladies say, and they surely know. We know, too, that its stems are the grandest of any carnation, quite a factor, too, and more particularly so since it also possesses a size which entitles it to a place in the front row, an odor so sweet as to cause immediate notice, a growth and freedom of bloom which delights the grower; an individuality incomparably its own. This is a a riking feature in any carnation, and Genevieve Lord possesses it to a greater extent than any other carnation; this is why it sells so readily and makes the demand for blooms far greater than the supply.

If you want this record-breaker in your list next winter, order at once. If you delay it may be too late.

PRICE, $2.00 per doz.; $10.00 per 100; $75.00 per 1000.

We can also furnish at introducers' prices all of the "big new ones."

Also Best NEW and STANDARD CHRYSANTHEMUMS.

Our Catalogue is now ready and will be sent to all who ask for it.

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO., LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.

To foreign countries in postal union $2.00.

Payable in advance. The date on the address label indicates when subscription expires.

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The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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John Scott, Keap Street Greenhouses, Brooklyn, has distributed, for Easter, a neat calendar.

Wm. Fendley, Brampton, Ont., grows mostly the Farquhar violet, with which he has grand success.

Professor Beach, of the New York Agricultural Experiment Station, at Geneva, delivered a lecture Friday, March 23 last, before the Central New York Horticultural Society, on the subject of "Fertilization of Self Sterile Grapes."

Germol.

This insecticide has been used with good satisfaction on ferns, small palms, orchids and bedding plants. The formula used was about half a gill of the insecticide to a pail of water for palms, dracaenas, crotons, roses, etc.; but for ferns, orchids, marantas, and other fancy and foliage plants, a smaller quantity of the compound was employed, or more water added.

A CHANCE FOR THE YOUNG MAN.

SUBJECT: **What I learned during my first two years in the florist business.**

PRIZE—$4 worth of books or magazines; or $3 in cash.

CONDITIONS.

(1) Each MS. submitted must be written by an employee, without assistance, and the authenticity of these facts attested by the employer.

(2) No employee now contributing, or who has at any time contributed to any florist trade journal, will be allowed to compete.

MSS. must not exceed one thousand words in length.

All MSS. submitted in this competition to become the property of the publishers of the FLORISTS' EXCHANGE.

The awarding of the prize will be based on the amount of the practical knowledge acquired by the writer in the period stated as exemplified in his paper.

Competition will close April 7 next.

Write plainly on one side of the paper only.

Address all communications,

EMPLOYEES' COMPETITION FLORISTS' EXCHANGE,

P. O. Box 1697, New York City.

The "Leading Flower Sellers."

In a recent article appearing in the *New York Times*, dealing with the nationalities of the individuals who control the different industries of the United States, appears the statement that "The Greeks are getting to be the leading flower sellers." This remark is misleading, and has evidently been made at random, the foundation of the writer's utterance being apparently based on the conditions existing within his range of vision obtained from the editorial sanctum, where probably a dozen or more street peddlers can be seen plying their calling in the vicinity of the Brooklyn Bridge; some of an itinerant character others, stationary. It is a noticeable fact, however, that the Greek is assuming an important place in the flower industry—the retail branch of it at least—as evidenced by the yearly increasing number of people of that nationality engaging in the business—particularly in New York City, which a glance at the Directory will confirm. But, from appearances, it will be many moons yet before the Greeks become the "leading flower sellers" of America, unless, by the word "leading," our contemporary means aggressiveness in the purchase and disposal of stock, in which the Hellenes excel.

It is also worthy of remark that, with but few exceptions, the more recent augmentations to the retail florist trade of New York City have come from the ranks of the Greeks. First, a street peddler; second, a street-corner-glass-case owner; thirdly, a store-man, seems to be their process of gradation.

This naturally leads us to inquire into the reason why more Americans do not engage as retail florists—a business that presents, apparently, inducements equal to any, judging by the evident "well-to-do-ness" of some of those who have made a success of it. It cannot be that the especial training required for its proper conduct is a deterrent, seeing the ease with which some jump into the business in a state of practical unpreparedness—and stick to it, too. It does not appear, either, that lack of capital proves a barrier; present and past experiences do not justify that supposition. The onerous character of the work entailed cannot be set down as the cause, for the average American loves hustle for its very self; nor can we look upon it in the light of being too effeminate for the American man to engage in it. There is as much play for the exercise of the merchant faculty as is afforded by any other business. It is said to be "the loveliest calling on the face of God's earth;" and with all these factors in its favor again we wonder why more Americans do not adopt the retail florist business as a means of earning a livelihood—and let us say, a good one at that. Can you inform us?

Chrysanthemum Society of America.

It is seldom that the readers of a floricultural journal are treated to so wonderfully frank an expression of opinion as that appearing in our contemporary relative to the recent efforts of President Hill, of the Chrysanthemum Society of America, in his endeavor to create a greater interest in that society and its work. The writer of the article in question, C. B. Whitnall, asseverates that apathy by the florists' trade in the society "attests the good sense and sound judgment of the florists at large," and goes on to state that the work done by the society has been accomplished by the commercial interests for their own especial advantage (more or less), with particular reference to the prevention of the distribution of inferior varieties, adding that were not this done the commercial men's own interests would suffer. But in thus safeguarding his own interests is not the commercial man at the same time saving the money of every one who buys and grows chrysanthemums? Nay, is he not even legislating against himself, so to speak, for the especial benefit of his fellow man? Remove the Chrysanthemum Society and "the work that should be done by the commercial interests," and the general weal of chrysanthemists would suffer, proportionately.

There is an element of selfishness, or self-interest rather, that enters into the life of every society; and it is no more pronounced in the Chrysanthemum Society of America than it is in others. People join these bodies for the real or supposed good they do in the promotion of some particular object, and the benefit individually obtained thereby; and according to the extent of the promotion, so is the actual beneficial result, either financially or morally, to the members. But the Chrysanthemum Society's work is not confined to advantaging its own members; it is helpful to those outside its fold likewise; and whether is it more noble to aid the association, both by your contribution to its funds and your presence at its meetings, than to accept the benefits that accrue from its labors, without money and without price, and in doing the latter to cynically sneer at its workers and accuse them of simply doing a duty they owe to themselves?

Apathy in any movement having for its object the general benefit of any trade whatsoever never did display "good sense and sound judgment;" it does not even display horse sense, for, according to the *laissez faire* spirit shown, so is the usefulness of the body impaired.

For all that, the society in question has, through lack of judgment, placed itself in the position where the accusation of selfish interest in the few can be made, by reducing its scope to one particular line, when there are so many avenues open to it to expand its usefulness. The officers of the society have evidently now realized their position, hence the president's sound sense in trying to create an enthusiasm in the association and the good that it could do were greater encouragement afforded.

Mr. Whitnall further remarks: "The S. A. F. can do it (prevent inferior varieties being sold for good ones) for the protection of its constituents, but we do not care to join a separate society for the purpose of carrying a few specialists on our shoulders." But so long as the S. A. F. has not and doesn't do "it," what then? Have not these other societies been the outcome of necessity? It is a question, too, whether the S. A. F., as at present constituted, could, with impunity, advance the interests of any special flower at the expense of the whole gamut of commercial floriculture. For instance, the palm man, the florists' supply man, the bulb man, etc., all members of the national body, might each take exception to a general effort being made to further the welfare of any specialty outside his own, unless he was accorded an equal service. We do not believe the S. A. F. can do anything of the kind. Its real work lies more in the line of furthering the general weal; and the care of specialties is and will continue the especial province of separate societies, whose whole time and effort are devoted to these specialties. It is more as a moral factor whose influence might be made felt in any subject of national import affecting the trade that the S. A. F. is especially valuable, and for their own benefit it might be well for the members of the various so-called auxiliary societies to allow themselves to be considered as bodies affiliated with the S. A. F. and ways and means devised to establish the connection. The latter part of Mr. Whitnall's remarks about "carrying specialists on our shoulders," is the outgrowth of the narrow view he takes of the matter in presuming that specialists alone are benefited by the work of the Chrysanthemum Society; in other words, he fails to detect the difference between perfectly legitimate self-interest, and illegitimate selfishness.

Furthermore, Mr. Whitnall adds: "A large flower show is a good idea, but admitting that all flowers are necessary to make it a success, why should chrysanthemum growers make use of the flower to build up an organization when the organization is not needed to build up the flower?" Yet Mr. Whitnall admits "the society has done work that should be done by the commercial interests," and that these interests would suffer were that work not performed. Does this mean building up the flower, or letting it "go to grass;" and what flower other than a chrysanthemum could a Chrysanthemum Society make use of to exemplify the particular work in which it is engaged? Are not our Fall shows generally termed "chrysanthemum shows," and rightly so, even with other flowers necessary to make them a success?

"A one flower society is not democratic for successful floriculture," adds Mr. Whitnall. It may not be, and yet when we see the extent of the good work done by some "one flower" societies, each in its degree tending to the general success of floriculture, we are inclined to the belief that these bodies are of more practical utility, consequently "more democratic for successful floriculture," than a many-flowered society incapable of intensiveness along any one particular line.

Summing it all up we do not consider that Mr. Whitnall has solved the problem as to the lack of interest in the Chrysanthemum Society of America in particular, or in our other national societies generally. We believe the gentleman's own response, given in reply to the inquiry as to how the retailers could best be interested in the S. A. F. and its work, will better fit the case of each one now outside the fold of our existing associations (though benefiting by their labors), than mere cynical innuendoes. Here it is: "Convince him how little he knows."

The American Rose Society.

Next Tuesday, Wednesday and Thursday will be held, in New York City, at the Eden Musée, 55 West 23d street, the First Annual Exhibition of the American Rose Society. Every effort for a successful exhibition has been made by the officers and promoters of the Society, and the inducements in cash prizes and trophies alone should make glad the heart of every rosarian and lead to a most spirited contest.

The still more important phase in which we must look at this matter, however, as tradesmen, is in the effect which this inaugural show will have upon the country at large. If unsuccessful, through lack of competition and interest on the part of the growers (which is the vital part we have to deal with—the managers of the Eden Musée having made strenuous efforts to interest the great public), it will simply mean that the rose, as the people's flower, will have a tremendous setback, while on the contrary, a successful issue will give the rose a popular boom, which, like a pebble thrown into the water, will create wave circles that will widen, and still further widen, until every town, village and cross-roads throughout our country will boast of its local rose society, and the rose be implanted in popular favor where it most deservedly belongs—as second to none.

Therefore, rose growers, send in your best, and let all rosarians attest by their presence on one, or all three days, the interest which this memorable occasion has excited in them.

Of a failure there can be no thought. The Society makes its entry into full publicity with a membership verging closely on 200, of whom 29 are paid-up life members—a showing at once reassuring and brilliant, while the list of patronesses

is a voucher for the intense interest which the Rose Society has already secured from our best classes.

INTENDING EXHIBITORS PLEASE NOTICE.

The hall will be open for the reception of exhibits at 5 a. m. on Tuesday; at 10 a. m. the judging will commence; at 11 a. m. the admission to private and press view; at 12 noon the admission of the public. These hours are positive and absolute, and no exhibits will be received after the latter hour.

Society of American Florists and Ornamental Horticulturists.

DEPARTMENT OF PLANT REGISTRATION.

Lager & Hurrell, Summit, N. J., register Cattleya Trianæ, Nettie Martin; flowers of medium size and well balanced; sepals and petals light lilac; lip very large and open, somewhat flattened; throat with a large blotch of straw buff color, encircled with a broad band of lilac.

C. H. Gerbig registers geranium A. N. Gerbig, single zonale; flowers bright apricot salmon, shaded much deeper toward center, with distinct white eye; truss large, foliage deep green, with dark zone; growth strong and compact.

WM. J. STEWART, Secretary.

OBITUARY.

A. W. Dunks.

A. W. Dunks died at his residence in New London, Ohio, March 16, at the age of 65 years, of Bright's disease. He had, until recently, been in the florist's business, from which he retired on account of ill health.

Mrs. Bertha F. Miller.

Mrs. Bertha F. Miller, retail florist at 730 West Madison street, Chicago, died the past week, the remains being sent to Philadelphia for interment on the 15th. Mrs. Miller came to Chicago ten years ago, to manage Schiller & Mailander's flower store, afterward buying it out, and had run it under her own name for some years. She was the daughter of an old-time florist in West Philadelphia, Pa.

James B. Seward.

James B. Seward died at his residence, 190 East 47th street, Chicago, March 17, of pneumonia. He was second cousin to President Lincoln's secretary, William H. Seward, and was born in Montgomery County, N. Y. He went to Illinois in 1830. Deceased was 70 years of age. He was well known, in old times, among the retail florists, when all kinds of Summer garden flowers found ready sale. These he used to grow and peddle by basket to the retail florists. For the past seven years he had been seldom seen. He accumulated considerable real estate.

Archie Middlemass.

Archibald Middlemass, one of Milwaukee's well-known florists, died at his home, on March 15 last, of pneumonia, at the age of 58 years.

Mr. Middlemass was born in Edinburgh, Scotland, where his father was a miller. His father died when Archie was 9 years of age, and the family moved to Brooklyn, N. Y. In 1859 Mr. Middlemass went to Milwaukee and took charge of the private greenhouses and gardens of David Ferguson. A few years thereafter he formed one of the firm of Dunlop & Middlemass, florists and nurserymen, who conducted the Rose Hill Nursery. This arrangement lasted for five years, after which Mr. Middlemass located next to Mr. Dunlop and opened the Sunnyside Nursery, where he remained in business until his death. The deceased was twice married and is survived by his widow, two daughters and two sons.

On the ice Mr. Middlemass was a good curler and was one of the veteran skips of the Milwaukee Club. He was interested in all athletic games, and in the old days took part in the quoit games at the Scotch picnics. Very fond of Scotch music he sang at Scoteh gatherings himself, some of his renditions being famous among his friends. Of a jovial disposition Mr. Middlemass was quite popular, and deep regret is expressed among his numerous friends over the news of his death. He was an active member of the St. Andrew's Society, the Milwaukee representatives of which attended the funeral in a body.

If your Advertisement has not yet been forwarded us, please send it on without further delay. The crush is great, and as we must go to press on time, we cannot guarantee insertion to any "copy" received after the morning of Thursday, March 29.

OUR GREAT

Special Spring Trade Edition

WILL BE ISSUED

Next SATURDAY, MARCH 31, 1900.

THE FLORISTS' EXCHANGE, Nos. 2 to 8 Duane Street, N. Y.

If your Advertisement has not yet been forwarded us, please send it on without further delay. The crush is great, and as we must go to press on time, we cannot guarantee insertion to any "copy" received after the morning of Thursday, March 29.

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Government Seeds for the South.—The Fall distribution of seed is becoming a great thing in the South. The seeds are of no value whatever here, for by the time they arrive most of our crops are being cut.—H. P.



Carnations and Their Developement.

"Carnations and Their Development" was the subject of the weekly lecture in Horticultural Hall, Boston, Saturday last. The speaker was C. W. Ward, of Queens, N. Y., who illustrated his talk with lantern slides. Mr. Ward said in part:

The carnation which we grow in America to-day differs from the pink. The latter is a hardy variety of the dianthus family, which lives all Winter and was grown in America 150 years ago. The carnation is a native of southern Europe. The original flower grew 2 feet tall, was flesh colored and had five broad petals. The carnation has been in cultivation for over 2,000 years. Since 1600 its cultivation has been prominent enough to attract the attention of historians.

We have in this country the American Carnation Society, an organization of about 400 members, to whose energies the present type of carnation in America is due. The carnation commonly grown here was derived from the French strain, known as the remontant, monthly, or perpetual flowering carnation. This distinct race was originated about 1840, and was sent out about 1844.

We find from the ancient description that the wild carnation was a five-petaled flower, about one inch in diameter, of a flesh or lavender color. Some of our hybrid seedlings are identical with the original type.

After the carnation hybridizer had succeeded in producing a double bloom his next aim was to strengthen the stem and improve the colors. We now have blossoms from three to four inches in width, and of every shade of color but a true blue, to obtain which is now the aim of American hybridizers.

The seeds are sown and cared for in a manner similar to those of any greenhouse plant. When the seedlings have developed for ten days they are placed an inch apart in beds, are then potted and afterward treated similarly to other plants. While the growth is an intensely interesting work, it is very expensive, and the successful grower of a new strain well deserves the plaudits of flower lovers.

The most delicate, purest carnation which we have to-day is Mrs. James Dean. The largest and most striking variegated carnation to date is Mrs. George M. Bradt, introduced in 1896. This, however, has several rivals, notably, Olympia. The most advanced step in the development of the flower is achieved in Governor Roosevelt, a seedling introduced in 1897, of symmetrical form. A new departure has been secured in a flower composed of a center of feathery blooms similar to the anemone chrysanthemum, but the freak cannot be propagated, as neither seed nor pollen can be obtained of it. It is the most elaborate carnation curiosity which has been secured.

Preparatory to shipping the cut flowers are stored in a cool room. The worst possible treatment for cut carnations is to take them into a warm room immediately after cutting. Blossoms treated thus will last but four or five hours. The most successful way to treat a carnation, and this statement is now made public for the first time, is to plunge a carnation after cutting into luke-warm water, after which it should be placed in a room of a temperature similar to that in which the flower was grown, gradually cooling the room. Carnations thus teated may be kept from three to five weeks. Never place the flowers on ice. Sudden changs of temperature are sure-death for carnations.

Probably in America $2,000,000 are invested in carnation growing, and 5,000 people are employed in the business. About 2,500,000 plants are produced annually, and a similar number are grown by florists for their own use and about 60,000,000 blossoms are marketed each year. The carnation's wide range of pleasing colors, its lasting qualities and fresh, rich, clove-like fragrance combine to make it one of the most popular, as well as one of the most sought for and profitable of the florists' flowers.

Carnations at Toronto.

The carnation meeting of the Gardeners and Florists' Association and Canadian Horticultural Society, held in St. George's Hall, Thursday, March 8, was a great success. The public was admitted free during the afternoon and evening, and hundreds of our people took advantage of this opportunity to see the best show of carnations ever witnessed in Canada. A string band was in attendance in the evening. The public dearly loves a free flower show, not only in Baltimore, but also here in Toronto.

The arrangements made by the committee were all satisfactory. The exhibits arrived in good condition, and they were all well handled and staged. The Park Commissioner and Mr. Watkins, of the Horticultural Gardens, sent along a few nice palms to help to decorate the hall. The bulk of the blooms were well arranged as to color, all the flowers from a distance being placed in such a way that their beauty could be seen. In the center of the hall, on a small table, was placed a fine vase of E. Asmus' Liberty rose. It was the center of attraction, and certainly is a splendid variety. Some of the boys think there is too much of the hybrid perpetual about it, but all want to try it; and were it not for our absurd customs regulations Mr. Asmus would certainly have many orders for it from here.

Among the carnations, the one that was most fancied by the trade here was The Marquis. The blooms were in fine condition, and made a splendid show. Of the other new ones, Morning Glory (Dorner), pink sport of Daybreak (Palmer), and Genevieve Lord (Weber & Sons), were most fancied. Olympia, although very fine, did not meet with so much favor from the boys, because Mrs. Bradt was shown in such extra fine form. Ethel Crocker was thought much of, as also was Enquirer; but so much has been written about the latter and Mrs. Lawson, which was also shown in excellent form, that we expected to see something more wonderful, and when the flowers only came up to the best of their company we were disappointed.

A meeting of the Canadian Horticultural Society's Executive Committee was held in the evening and arrangements made for their convention in August. It was decided to hold it the week prior to the S. A. F. meeting in New York. A program was arranged and, I think, the success of the meeting is assured.

The meeting over about 65 sat down to a little supper, and a very pleasant time was spent. Mr. Scott, of Buffalo, was in fine form, and with Mr. Boddington, of New York, well represented the land of the Stars and Stripes. The party broke up about two o'clock, after singing "God Save the Queen."

Among the visitors from out-of-town were: Messrs. Scott and Palmer, of Buffalo; Boddington, of New York; J. McKenna and Wm. Bennett, of Montreal; Scrim and Wright, of Ottawa; Gammage and Dicks, of London; Ewing, of Berlin; Townsend, Hamilton; E. Dale and Wm. Findley, Brampton.

Our local exhibitors fully held up our end with their exhibits. J. H. Dunlop, H. Dale, Miller & Sons, all having fine exhibits. Geo. Mills, who acted as superintendent of the show, came in for many eulogiums for his hard work and general good management.



Carnation Gold Nugget.
Grown at Briarcliff Greenhouses, Sing Sing, N. Y.

Among the exhibitors were: Miller & Son, F. Dorner & Son, The Cottage Gardens, W. J. Palmer, J. H. Dunlop, John N. May, John Kuhn, A. M. Herr, Peter Fisher, R. Witterstaetter, L. E. Marquisee, H. Weber & Sons, E. G. Hill & Co., W. Fendley, Brampton; H. Dale, W. Scott, Buffalo; F. Dicks, London; J. Gammage & Sons, and C. Scrim, Ottawa. Ewing & McNaughton exhibited their patent plant boxes. The judges were: Messrs. Gammage, Scott, McKenna and Jos. Bennett. T. M.

Elmira Carnation Show.

The carnation show of the Elmira Horticultural Society was a success in every way. The display was excellent, attendance unusually large, and it was plainly evident by the interest manifested that the carnation is the people's own flower. As the novelties were admired and praised one heard the natural expletive accredited to carnationists, "By jove, aren't they fine!" The Marquis showed off as attractive as ever, and is easily a winner. It is a fine shipper and always travels on its "shape." From recent reports they must like it at Boston. A variety that receives three first-class certificates "all to wonst" would surely stand some show with exclusive Boston society.

Genevieve Lord is also superfine. The ladies said the handsome vase was a "dream of loveliness." One would judge it to be a profitable variety to grow. The Marquis and Genevieve Lord are so distinctive, individually, that up-to-date growers will want both.

As to Morning Glory I am not enough posted to venture a pronounced opinion. Before stating what you don't know, count ten! Queen Louise was sent in by J. L. Dillon, Bloomsburg, Pa. It is white enough and is claimed to be a good thing. Time will tell. Personally, I do not fancy Ethel Crocker as well as some others. Individual taste has its likes and dislikes. I heard a buyer of fancy articles say that he was often deceived in his personal judgment as to what sold best with general trade. Olympia and the Lawson were conspicuous by their absence!

The public is being educated as to the names of novelties. The old idea that a carnation is simply a carnation is being exploded, and exhibits of this kind will develop a demand for the new varieties from a retail standpoint, and better prices will more easily be obtained.

America was shown in fine form by E. G. Hill & Co., and Crane from Fred. Dorner & Sons' Co., but on exhibition the brighter color of Jubilee wins out. Jubilee seems to be improving in constitution. Mrs. Bradt was grand in both exhibits from Dorner and Hill & Co.

Local exhibits were made by florists and private gardeners rounding out the general display.

Carnation Mrs Bertram Lippincott did not arrive until after the meeting, too late for exhibition. In color it is between Daybreak and Victor, with the general characteristics of Daybreak. If the variety is free and continuous as recommended it will prove popular.

Apropos of judging, opinions certainly differ. At Boston No. 666 apparently was not in high favor. It is also said that had Governor Roosevelt the requisite number of blooms to enter for the Lawson gold medal at Buffalo it would have secured the prize. There is more or less lottery connected with prizes and premiums.

The representative audience was a pleasure to stand up to, and the speaker was enthused to offer a votive offering, to horticulture. A synopsis of the development of carnations was given, supplemented with humorous experiences along the line of general horticulture.

The very successful meeting, largely augmented membership, and timely displays of flowers and fruit will be a feature of the monthly meetings.

Systematic work of this kind will be more valuable to a society's usefulness, than a larger flower show but once a season, that usually evolves more or less friction. When you are after premiums, pure and simple, it is a sort of football scrimmage—and the devil take the hindmost! GROVE P. RAWSON.

New Jersey Notes.

The Essex County Park Commission have just completed their plant at Branch Brook Park, Newark, for the propagation of bedding plants, at a cost of $12,000. It consists of two houses of equal span roof, floor space 20x100, placed at right angles to a potting room 64x20. The heating is accomplished by two Hitchings boilers, Nos. 54 and 55. Houses are already partially stocked. The frames, which have hitherto been the main dependence, contain 40,000 pansies and 10,000 each of daisy and myosotis, which show considerable skill in their cultivation. The whole is under the superintendence of Wm. S. Manning, formerly of Twombly's; and Theodore Holecke, formerly with Pitcher & Manda as head gardener, and James Burns as under gardener, formerly with Mr. Marcy, of Orange.

MONTCLAIR, N. J.—J. C. Williams, the proprietor of the Chestnut Hill Nursery, is contemplating the erection of a fumigator, 16 feet long; not that he is troubled with that terrible scale, for his stock is all certified, but for the reason that "an ounce of prevention is worth a pound of cure." He reports a large demand for ornamental shrubbery.

A. S. Wallace is supplying valley in quantity to the local and New York markets; these, with flowering bulbs and primulas, form the best part of present trade.

SOUTH ORANGE.—W. A. Manda reports an increase in the season's trade, and a continued demand for dracænas and other ornamentals. The Harlequin and other new begonias are in fine shape. His example of the Cherokee rose in full bloom presents a beautiful spectacle. J. B. D.

HINTS and HELPS.

Cyclamens which are wanted for seeding will not "set" the seed so well in an atmosphere charged with moisture as they will when kept where the air is dry and in the full sun. To facilitate fertilization artificial pollination should be brought about with the aid of a small camel's-hair brush. Select a few plants showing desirable qualities in the flowers —color, size, etc. Mix the pollen of the separate plants, but of the same color, and the results will be so satisfactory that every flower will set seed. In ripening the stalk of the flower bends over, coils spirally, bringing the capsule near the surface of the soil in the pot. Home sown seed should be kept during the Summer in dry sand, in an open wide-mouthed bottle.

Potting Up Tea Roses.—Where it is necessary (owing to want of room for young stock) to throw out bench roses prune some of them back severely; put in 6-inch pots; keep in the house until they make roots, then remove them to a frame. They will come in all right for disposing of for planting outside later on in the season. There is no appreciable difference between cool-grown plants and those which have been forced during the Winter in their frost-resisting qualities; that is, after having been planted out for the Summer.

Seedling Herbaceous or half-hardy plants which are Wintering in boxes, thickly together, will by this time sometimes show a somewhat starved look—as if they were impatient of their limited root accommodations. Turn them out with little balls to them and give fresh and slightly enriched soil; put the seedlings back in boxes, giving them a little more room than they formerly occupied. With most things this will be a distinct benefit, but those having only one or two long roots had better not be touched. These are the plants that should occupy pots instead of boxes. The operation may be done quite rapidly, as there is no necessity for firming the soil in the boxes to the same extent as is done when potting.

Phloxes.—Nearly all of the members of this genus are popular border plants. Those most widely grown are varieties of P. maculata and P. paniculata. They are strictly herbaceous plants, and are useful for cutting in Summer, or for the decoration of borders or planting among shrubs. They are propagated from cuttings either in Fall or Spring; from division in early Spring or from seeds, or pieces of the large roots cut into short lengths. They will thrive in almost any kind of soil. The ground should be covered with manure during the hot months, to preserve moisture at the roots. Phlox Drummondii, with us a hardy annual, is offered by seedsmen in many varieties. The white flowered kinds are useful for cutting. Seeds should be sown early enough to have plants ready to be planted out as soon as freezing has gone. Later sowings may be made to keep up a succession of bloom, as the first batch is apt to run to seed shortly after midsummer. Another useful species is the moss pink, P. subulata, of which there are a number of varieties, having pink, red and white flowers. They bloom in April and are easiest propagated by division during the early part of October.

Cuttings of American Beauty.—If the cuttings of this rose are to be propagated in the same bed with the same heat given teas, the wood intended for cuttings should be thoroughly free from red spider and fungoid diseases, or else the leaves will drop from the cuttings before they have developed roots of a sufficient length to be transferred from the cutting bench to pots. The better plan is to root them in sand having a lower temperature, because it is necessary to the health of the young plants that they retain the leaflets while undergoing the process of rooting. Take the cuttings during dull weather, or early in the morning, and only when the soil is moist. Shade the cuttings with slats or cloth on the roof, and only have sufficient atmospheric moisture to keep the leaves from wilting.

Starting Nymphæas.—Where it is intended to grow the tropical water lilies they should be secured very early instead of near the planting season, when the tubers have started and the leaves have formed. It is much more satisfactory to procure dormant tubers. In the first place they carry better, and in the second, a dormant tuber, if started early, will, according to the kind, gain sometimes as many as 20 plants after early starting and before planting-out time. All of the night bloomers, excepting N. Sturtevantii, increase very rapidly in this manner. The day bloomers will give several plants from each tuber, no matter how small.

Ricinus.—The castor bean is one of the largest of annual plants. It comes in useful for filling up large spaces, being a very ornamental foliage plant with palmate-shaped leaves. Some of the varieties grow over 15 feet in height before the flowers appear. R. zanzibarensis, a green-leaved form, is one of the tallest. R. Gibsoni has bronze colored foliage. Although a hardy annual in most places, the seeds when left to germinate naturally come up late. They should therefore be sown simply in small pots about the beginning of March; they will thus reach maturity quicker after being planted out.

Out-door Tea Roses.—As many kinds as possible should be given a trial out-of-doors, and those which succeed best among the colors wanted, of course should be planted in quantity. A great many of the kinds are apt to suffer above ground very severely, but this wont matter much as teas need more pruning than other classes. In the late Fall cover the ground on which they are planted with several inches of rough stable litter, pushing it up against the necks of the plants. Teas give a great deal more satisfaction than other classes, which are gay with bloom only for a short period. La France, Kaiserin, Bridesmaid and Carnot all do well here without protection.

Ixoras.—From the manner in which Ixora alba has flowered during the last two or three seasons I see no reason why it shouldn't be a popular Easter plant. It blooms very freely; the flowers are snow white. The red and scarlet varieties are worth growing for Summer flowering. They are plunged out in 5-inch pots grown on from Autumn rooted cuttings. I. blanda, I. coccinea, I. Chelsonii and Prince of Orange are all good for the purpose. Firm potting and a considerable quantity of peat in the soil are necessary. Full sunlight may be given.

Rudbeckia Golden Glow.—The plants outdoors will soon show a mass of young growths. Before these get far advanced the stock may be increased by lifting the largest clumps and separating into pieces small enough to go comfortably into 4-inch pots. When potted they may go into a cool frame until fresh roots are formed, and afterward planted out where they are to bloom. Divided pieces are always more satisfactory after being treated as above. This holds good with many other herbaceous plants valuable for cutting from in Summer.

Gladiolus.—In sections of the country, where the thermometer seldom indicates the zero mark, the gladiolus usually grown are perfectly hardy if given a covering with stable manure. This indicates that in other sections the bulbs should be in the ground early to produce the first crop of flowers, planting others later for a succession. It is good policy to pay a little extra for the good kinds, as the cheaper grades contain so many forms which, owing to the colors, are entirely useless as cut flowers.

A Hardy Clerodendron.—Clerodendron fœtidum, sometimes called C. Bungei, is quite hardy South of Maryland, also much further North if the roots are given protection by being covered with decaying leaves or manure. This is a good season to propagate; the plants provide a large number of underground stems. Dig up a quantity, cut in 2-inch pieces, sow them in a box and cover with an inch of sandy soil. Put in 3-inch pots shortly after they appear above the soil. We treat this plant as herbaceous much in the same way as caryopteris is treated in the North, but further South its wood will stand unhurt. It is one of the best shrubs for the South, flowering in very large panicles. The flowers are bright pink in color. G. W. O.



Carnation White Cloud.



Carnation Jubilee



Carnation Mrs. Bradt.

GROWN AT BRIARCLIFF GREENHOUSES, SING SING, N. Y.

LEGAL NOTES.

Damages for Leak in Gas Pipe.

AUBURN, N. Y.—The case of Carl Armbuster against the Auburn Gas Light Company was heard in the Court of Appeals, Albany, on March 12. The action was brought to recover $2,000 for injuries sustained by the plaintiff through the escape of gas into his place of business. The Supreme Court gave plaintiff a verdict for $2,000. The case was then taken to the Appellate Division, which affirmed the judgment on plaintiff's stipulation to receive $1,500.



Insertion will be given in this column to all communications free from animus, but the opinions expressed do not necessarily reflect our own.

Dahlia Camelliaeflora.

Editor Florists' Exchange.

As I am receiving quite a number of inquiries as to how I grow Dahlia camelliæflora, for the benefit of all the readers of the EXCHANGE I will give my experience in growing this dahlia, both for pot plants and in the field for cut flowers. D. camelliæflora makes very few tubers, and its height does not exceed 2 feet. About February 1 I plant the tubers on a bench in about 4 inches of soil, and keep them on the dry side until they begin to send up new growth. When large enough I take the cuttings and put them in the sand in a temperature of 50 to 55 degrees, and when rooted (which they do very easily, one ought not to lose more than 5 per cent.) I pot in 2½-inch pot and by April 15 place them outside in a frame, giving as much air as possible, so as to harden them off, otherwise, if kept in the house, they will get too soft and spindly. By the first week in May the small plants will begin to show buds; they should then be shifted into 5-inch pots, and will take two to three weeks to come into full bloom, making very fine pot plants for Spring sales. I do not let the plants get dry, as they can stand plenty of water; also a little liquid manure will help improve both the plant and size of flower.

For cut flowers out-of-doors I plant both divided tubers and plants grown from cuttings. In my experience I find that the latter plants produce larger and longer stemmed flowers, while those grown from divided tubers make more of a bushy plant, and produce more flowers, but smaller. I plant them 1½ to 2 feet apart in rows, and as they grow hill them up. They require no staking. A. L. MILLER.

Brooklyn.

Canna Italia.

Editor Florists' Exchange.

We note in your issue of February 17, page 164, the remark of Messrs. Dammann & Co., relative to the sterility of Canna Italia, and desire to take an exception to same, and a strong one at that.

An absolutely successful cross, Italia × Mme. Crozy, was made at the nursery of F. Edward Gray, Alhambra, Cal., three years ago, wherein a single seed was obtained from Italia by the above pollen parent after an entire season's work. The seedling now known as Mrs. Kate Gray, and which we have the pleasure of offering to the trade this season, has proved to be, without any exceptions whatever, the grandest canna in existence. This is certainly a sweeping assertion, but the sterling qualities of the plant in question more than bear it out. Notwithstanding the fact that this canna is a seedling from Italia, the flaccid character of the latter is entirely lost, the infusion of new blood having entirely obliterated this unpardonable fault, which the flower of Italia and its kindred varieties possess to such an extent as to render them worthless as bedding plants.

We in no wise desire to belittle the work of Messrs. Dammann, and doubt if any one more fully appreciates the wonderful work they have accomplished than ourselves. The fact remains, however, that a cross is possible and that improvements over either the Crozy or Italian types can be made, as is well illustrated in the production of this magnificent hybrid, which, of all the millions of canna seedlings raised since attempts on their improvement first began, stands to-day at the head, a triumph of the hybridist's art (we might well mention California climate) and the end not yet in sight.

HOWARD & SMITH.

Editor Florists' Exchange.

Some doubt is expressed in the FLORISTS' EXCHANGE whether Dammann & Co. were not in error when they stated that the Italian type of cannas is "absolutely sterile." Two years in succession I crossed the Italian cannas with many of the Crozy type, also with their own pollen. The work was performed out-of-doors, also in the greenhouse. I entirely failed to produce a single fertile seed. In gathering the large fine pod you naturally thought a good harvest was the result of your care and labor, but not a seed—nothing but enlarged ovules was the reward. All these experiments are interesting, but not profitable, though a delight if the mind runs in that way.

Previous to the introduction of the Italian cannas I had been crossing Canna flaccida with Paul Marquant, with the object of producing a pure yellow canna without spots; and now I am happy to state I have succeeded. It took six years to get the petals broad enough; the increase was about one-eighth of an inch a year. I sent out Golden Scepter. The segments are about 1½ inches broad. I have many pure canary yellow seedling cannas, petals 1⅝ inches broad. All this type of cannas seed freely with large seed like Paul Marquant and root like C. flaccida. A. GILCHRIST.

Sun-Bleached Sheaves of Wheat.

Editor Florists' Exchange.

We cut the item relative to this matter from one of your previous issues, and gave it to our Custom House broker to investigate; he reports the decision refers to "fibrous grasses," and not to sun-bleached sheaves of wheat. If you have different information we should like to hear from you, otherwise it might perhaps be good to let your readers know the correct state of affairs.

WINFRIED ROLKER,
Of Aug. Rolker & Sons.

Reports on Carnations.

Editor Florists' Exchange.

The criticisms of George Lisburg in a recent issue, on the reports of carnations, is both amusing as well as instructive. It is rather difficult to reply to one who considers himself "perfection" in their cultivation. As I am the guilty one who remarked "that it almost requires a surgical operation to open it" (John Young) he has politely requested me to study a little more about carnations. Thanks, I will, but no amount of study, I am afraid, will avail for climatic conditions and soil. John Young is all that he pictures it; we like it; it is fine, yet that does not alter the fact, that it is late in coming into bloom and slow in opening, and that not on our individual premises alone, but the report covers this locality. Every florist in this vicinity, and in some other localities, says the same of Bon Ton as we do, and around here a measlier growing, more stunted variety cannot be found, all of which goes to show that Mr. Lisburg's soil and climate are materially different. He evidently is located somewhere in the East, possibly within the tempering limits of the sea breezes. He infers, because we cannot do John Young and Bon Ton equal to himself, that, like some whom he has interviewed (presumedly his neighbors), our plants are sprawling all over the benches, that the reason is we don't disbud, don't properly tie them up, for if we did we certainly would be able to grow those varieties as well as himself; and, like others, grow C. A. Dana and Eldorado to the scale of 100 points. We have discarded those two varieties as being behind the times here.

According to the strictures of "G. L." every Grand Rapids florist should go out of business on the ground that we have all missed our calling! We all disbud, would never think of anything else: we all tie our carnations up very carefully, and pride ourselves on having as modern built houses as can be found anywhere, unless those possibly built of iron. The house in which we grow those two varieties is 37½ feet wide by 150 feet long, 18x20 glass, inch gas pipe supports, north and south continuous ventilation at the ridge, Evans' ventilating apparatus, also below the front plate 14-inch glass for front light. John Young and Bon Ton occupy the best and lightest bench in the house, yet they are as we have said: 'Tis such a pity we ever tried to grow flowers!

We extend a cordial invitation to Mr. Lisburg to visit Grand Rapids. We think he will enjoy his trip and return home with a better appreciation of the efforts of others in growing the popular flower, and a better understanding of what ground a carnation report covers—simply the success or failure of certain varieties in that particular locality.

Mr. Ward's reply was considerate and instructive; yes, more, it was ably worded; for the grower who scores the best success is he who by close study and attention to business acquires the best knowledge of the requirements of the varieties he grows, and grows them to a greater degree of perfection than his competitors. We differ on one point, however. Mr. Ward says "less criticism" of varieties. We say "more criticism"—bring out all the faults and all the good qualities of a variety the public will know more about it. If it is good it will profit by discussion; if poor, its death knell is sounded. G. F. CRABB.

Spring Exhibition Mass. Hort. Society

This exhibition opened at noon Tuesday and continued four days. The many exhibits were of a very high standard of quality.

The large center table in the lower hall was filled with carnations, also holding three handsome vases of roses from Wm. H. Elliott, Brighton—of Bride, Bridesmaid and Meteor. At the end of the table were three fine vases of mixed carnations—one from Col. Chas. Pfaff, one from J. W. Howard, and the other from M. A. Patten. Mr. Patten also showed vases of Mrs. G. M. Bradt, John Young, White Cloud, Mrs. Frances Joost, G. H. Crane, Mangold and Walter. He captured first prize for the vase of 100 blooms, and his exhibits of Joost and Mangold took the premiums in their respective classes. Briarcliff Greenhouses, Scarborough, N. Y., sent in five vases, one each of Mrs. James Dean, G. H. Crane, White Cloud, Gold Nugget and Mrs. G. M. Bradt. All five captured first prizes in their respective classes. R. Cushing showed Mrs. G. M. Bradt and White Cloud in fine condition, and Geo. M. Anderson had a vase of good Scott.

There were few roses shown other than those of Wm. H. Elliott, which captured three first prizes. F. R. & P. M. Pierson had a very fine dozen of American Beauty, which were awarded first premium. J. W. Howard and Miss M. L. Walker showed vases of mixed roses, including Bride, Bridesmaid, Morgan, etc., capturing the prizes in the order named.

In the hybrid perpetual rose classes there were two fine collections staged—one by Col. Chas. Pfaff, and the other by C. H. Souther, and in the two classes both exhibitors won—one first and one second prize. Mr. Souther also showed a lot of cut cinerarias.

H. A. Wheeler made a pretty display of orchids in variety, and W. C. Ward showed a very fine lot of pansies. Norris F. Comley staged violets in variety, including Lady Hume Campbell, Marie Louise, Imperial, Princess of Wales and California, winning all the prizes offered.

In front of the stage a few very fine plants were shown; James Garthley, gardener to H. H. Rogers, Esq., Fairhaven, had a handsome Indian azalea, pure white, which captured first prize, and a fine specimen of Rhododendron Camille de Rohan. Mr. Souther showed two climbing roses, which captured first and second prizes, Paul's Carmine Pillar being awarded first, and a fine specimen of Crimson Rambler, second.

Collections of hardy-flowering shrubs and hardy greenhouse plants, including acacias, ericas, etc., were shown by Mrs. J. L. Gardner and Dr. C. G. Weld. Dr. Weld won first prize for acacias, with A. pubescens and Mrs. Gardner was awarded second with A. heterophylla.

The upper hall was filled to overflowing with one of the finest exhibits of Spring flowering bulbs, etc., that has ever been seen here. Just inside the door was an exhibit of curiously grown and trained trees from Yamanaka & Co.'s Japanese nursery.

Perhaps one of the finest exhibits was that of exceptionally well-grown cyclamen, shown by John Barr, gardener to Mrs. B. P. Cheney. He was awarded the three first prizes offered, and two of the second prizes, only failing to take all the premiums in the class for specimen plant, C. H. Souther being awarded second. This exhibit was banked by a fine lot of hybrid roses in pots, from the same place. On the table next to Mrs. Cheney's display J. S. Bailey showed a few good cyclamen. Kenneth Finlayson, gardener to Dr. C. G. Weld, staged very fine cinerarias, and Walter Hunnewell a few plants of Begonia Gibsoni. Cinerarias were also finely shown by Mrs. J. L. Gardner and Chas. H. Souther; the latter captured the lion's share of the prizes, but Mrs. Gardner's and Dr. Weld's displays also received quite a few.

The remaining tables were pretty much devoted to hyacinths, tulips, narcissus and such like bulbous stock. Mrs. John L. Gardner, E. S. Converse, the Bussey Institute, and Wm. S. Ewell & Son were the principal exhibitors in these classes, Dr. Weld's collection being as fine as, if not finer, than any ever shown at the hall. He captured all the first prizes awarded for tulips, and all but one for hyacinths, besides a large percentage for narcissus, lilies, crocuses, freesias, ixias, etc.

The Bussey Institute showed quite a few flowering shrubs in variety, and Norris F. Comley violets in pots. E. N. Pierce & Sons had finely grown longiflorum lily plants, capturing both prizes. J. Burnett showed a few good pots of freesias. James Comley made quite an interesting exhibit of odd things.

Two very fine orchid plants were shown by James Brydon, gardener to Mr. Bayard Thayer, capturing first prize with a handsome specimen plant of Cattleya Schroderæ, having 49 blooms. Mrs. John C. Whiten was awarded second for a very fine Dendrobium nobile.

Quite an interesting feature was the exhibit of three plants of "Little Tot," a seedling from the Dawson rose, the small flowers being of a light shade of pink and quite double.

Messrs. Welch Bros. arranged and staged the exhibits of F. R. & P. M. Pierson and Briarcliff Greenhouses.

One missed at the exhibition this year was Jos. H. Woodford, chairman of the Committee of Arrangements, who is confined to his bed with a very severe cold, and had been threatened with pneumonia. It is good news to hear that he is improving somewhat. F. J. NORTON.

LA CROSSE, WIS.—Supt. Paul Jollner has a fine batch of pot roses at the cemetery greenhouses, also some well-grown pelargoniums for Easter, in addition to the usual general stocks of a retail establishment.

Salzer Bros. report an exceptionally busy seed time; mail and express orders are heavier than usual. A shipment of 750 packages in one day was a record breaker. This department is in charge of a typical Western business lady—Miss Ida Smith.

Why My — Fine or Coarse
Tobacco Dust
"The Black Stuff" 2 cts per pound 50 to 1000 pounds
The Best for Florists
It's my specialty, I have made the wants in this line by the growers a study and know the grade that kills. If it fails your money back
H. A. Stoothoff 116 West St N.Y.C.

Tobacco Whale Oil Soap "Ophia" Brand Try ⅛ for scale " red spider " green fly " mealybug It's Good 3 Fleischmann Roof 11 50 Nassau 110 West St N.Y.C.

New York.

The Market.

The cut flower business has been quieter this week than for some time past and, with roses, a general depreciation of values is noticed. Roses are becoming much more plentiful daily, while the demand seems to have fallen off considerably. At this writing (Thursday) commission men have piles of stock on hand, consequently prices are very erratic. Special Beauty are sold at 25c., and they can also be had at 15c. and 20c.—it depends a good deal upon how many are wanted. The same discrepancy can be found in Bride and Bridesmaid, and the prices of special stock range anywhere from 5c. upwards.

A peculiarly strange feature of the rose market just now, is the manner in which some growers are flopping from one dealer to another, obtaining higher prices, perhaps, while at the same time the market is over-stocked, and values are on the decline.

The supply of carnations has fallen off considerably from some cause or other, and these flowers, therefore, are about the best selling commodity coming in.

Lily of the valley is plentiful and there is quite a lot of short-stemmed flowers that go as low as 50c. per 100. Tulips go fairly well, at $2 and $3 for singles, doubles of some shades realizing $4. Daffodils average about $2, though a few extra fine ones have fetched $2.50.

Cattleyas of various grades are on the market; some are sold as low as $3 per dozen, the best, however, bring $6.

Violets show no improvement in quality, and really first-class blooms can hardly be found. Of ordinary stock there is always a surplus; and in thousand lots they go at extremely low figures.

Smilax continues in good demand, good strings bringing $2 per dozen. Sweet peas and lilac go very slowly, maidenhair fern also being hard to dispose of.

Among the Retailers.

Thorley has on view in his window a magnificent specimen rhododendron in full flower. The variety is Madame Cavilhoe, a beautiful light-colored kind. The plant is about 6 feet through, and as its face is tipped toward the front every flower is in sight, the whole making a splendid display.

Jottings.

At the meeting of the stockholders of the Cut Flower Exchange held last Saturday, a vote was taken to determine whether the association should join hands with the New York Cut Flower Co., and do business under the same roof. The voting resulted 186 for and 198 against; thus, by only 12 votes the motion was lost. It was the sense of the committee appointed to look into the matter of consolidation, that stages would transfer growers' baskets from both ferries, should the two concerns agree to amalgamate; and it is thought that if this fact had been better understood the motion would have carried.

The New York Cut Flower Co. will remain in its present quarters in 23d street for one more year.

W. S. Allen will handle some choice potted violet plants for Easter.

John I. Raynor is receiving heavy consignments of tulips, besides a full line of other seasonable stock.

The New York Gardeners' Society will hold its carnation exhibition on the 27th inst., in the rooms of the Press Club, No. 34 West 26th street. Flowers sent to this address, care of J. I. Donlan, will be properly cared for and staged. Among the premiums offered are: A silver cup by C. W. Ward, for the best collection containing not less than five varieties, twelve blooms of each, three of the varieties to have originated either with C. W. Ward or F. Dorner & Sons Co.; F. R. & P. M. Pierson offer $5 in cash for the best display. The Florists' Review will give a copy of the Florists' Manual for the best fifty blooms. J. W. Withers gives two years' subscription to American Gardening for the best seedling. The A. T. De La Mare Printing and Publishing Co., Ltd., offers a copy of "Residential Sites and Environments," for the best vase of carnations, any variety or varieties. Dailledouze Bros. give $5 in cash for the best twenty-five blooms of seedlings raised by a private gardener.

In the commercial classes certificates will be given to meritorious seedlings shown.

The plant auction rooms were well attended this week and a large quantity of nursery stock has been disposed of. There seems to be an increasing demand for rhododendrons and h. p. roses.

Hitchings & Co. have secured the contract for the new greenhouse to be erected at the Hillside Home, Scranton, Pa.

The various committees of the Florists' Club meet in the Elks Hall, 19 West 27th street, Monday evening next, at 7 o'clock. Every committeeman is expected to be present.

C. W. Ward, of Queens, N. Y., is just recovering from an attack of la grippe, which confined him to his room for several days.

Fred. Boulon, Sea Cliff Nursery, has acquired an additional six acres of ground adjoining his present place. This will be devoted to violet growing. He also contemplates erecting thereon a greenhouse, 300 to 400 feet in length, for carnations. Mr. Boulon considers La France the best single violet up to date.

Market Florists' Association.

On Thursday evening the members of this association held a meeting in the market restaurant. The principal business done was the selecting of stands for the coming season. One side of the market is not available for plants this Spring; and other parts were selected. Those whose last year's stands were obtainable secured the same ones this year; others chose stands in the center of the market—and everybody was satisfied. The collector, Mr. Barnett, was on hand, and 36 stands were secured from him by the holders paying in advance.

The retiring secretary, A. D. Rose, received a vote of thanks for his services during the past year; and R. Leach was elected to fill the vacancy.

The market opens this (Saturday) morning, though, being the first day of the season, it is not expected that more than five or six loads of plants will be on hand.

Cleveland.

A Backward Spring.

Weather conditions prevailing do not furnish many indications of the approach of Spring. The present month has been the worst of the Winter; rough weather has prevailed ever since the first, and at this writing does not show any signs of letting up.

Trade News.

Although the weather remains so unfavorable dealers report a fairly brisk business, and stock is pretty well used up. Stock is not offered so freely as a few weeks ago, and prices hold at about the same figures as last reported. Choice roses bring $7 and $8; lower grades, $4 and $5. Carnations, $1.50 and $2 for ordinary stock, extras and fancy varieties go at $3 and up. Choice bulb stock is reported in short supply, but prices remain the same as formerly quoted, $3 being the outside figure for ordinary grades of tulips and daffodils. Harrisii blooms hold at $10 and $12 per 100. The sale of violets is very quiet, and in consequence prices show considerable decline. The rates now ruling are: 50c. per 100 for single, 60c. and 65c. for double.

Easter Predictions.

It is a little early yet to judge what the Easter season will amount to, but many of the dealers are looking for an unusually good trade. Some of the growers seem to think bulb stock will not be so abundant as it has been for several seasons past; this is quite probable, as many of the smaller growers who make a practice of forcing large quantities of this stock for the Easter trade are not growing nearly as large quantities as common. On account of the unfavorable weather at Easter time last season, but few, if any, of the growers escaped heavy losses on Dutch bulb flowers, and this, coupled with the advanced prices on much of the stock, quite discouraged them from planting the usual quantity of bulbs.

It is thought at this time that an unusual shortage in Harrisii blooms will be felt; the crops of most growers have suffered severely from disease; one of the largest growers here reports a loss of 20 to 30 per cent.

Notes.

F. M. Smith, of Smith & Fetters, left the city on Sunday last for an extended trip through the East.

Mr. H. Cheesman, representing Cox Seed Co., N. Y., and J. E. Killen, representing C. H. Joosten, New York, were visitors. G. A. T.

Boston.

Business Bits.

The latter part of last week trade was pretty quiet, though Saturday showed a slight improvement. This week started with a very lively demand, and stock was well cleaned up. Roses are in very good supply, but are not much sought for. American Beauty move more slowly as the supply of Jacqueminot and Brunner increases. The finest Beauty could be bought Wednesday for $25 per 100, other grades ranging from $4 to $16 and $20. Bride and Bridesmaid are in good supply; prices hold about the same as last reported.

Carnations are again shortening, and clean up well daily at very good figures. There is a heavy demand for fine white carnations, which are not in nearly sufficient quantity to meet it. Fine Daybreak, or carnations of that shade, are eagerly sought for; these easily bring $3 per 100, fancies fetching $4. Colored shades are more plentiful, and average $2 to $2.50 for good ones, with poorer grades at from $1 to $1.50.

Bulbous stock continues druggy, and prices gradually suffer from the effects of the present heavy supply. Tulips average about same prices as last quoted.

Lilies are a little more plentiful, but keep up to $14 to $16 per 100, if fine.

F. J. N.

Philadelphia.

Easter Plants.

S. J. Bunting, at 58th and Elmwood avenue, has the past season added some glass, put in steam heat in place of hot water, and now has the place in first-class working order. He has in fine condition 5,000 lilies, mostly Japan longiflorum. Mr. Bunting says little or no disease has shown in this lot. They are not so short as seen elswehere, and will measure for 2 to 2½ feet, with 4 to 6 flowers—nice, clean foliage. This lot of lilies was potted late, started outside and then placed in a moderately cool house; and are now with buds 3 inches in length. Growing along in a cool temperature they will be just right for Easter. A large lot of azaleas, hydrangeas, daffodils and hyacinths are grown. Some large Rambler roses were noticed in good shape, Kaserin, Bridesmaid and Bride promise a large cut for Easter. Another feature of this place is grafted roses; several thousand are now out of the grafting beds. Kaiserin, Bridesmaid and Bride are propagated in this way. About 3,000 grafted Kaiserin are now in 4-inch pots and will be planted after Easter for Summer cut flowers. D. T. Connor, who is now foreman for Mr. Bunting, was one of the first florists to grow grafted roses in this section; and is a firm believer in grafted stock for quick results and a greater percentage of first-class flowers. DAVID RUST.

PLANTS and FLOWERS.

SEEDLING CARNATIONS, I send you today some of our new carnations. While these are not as good as some growers have, they are not so bad for carnations grown under our common way of cultivation. We planted them in the house October 1, gave them ordinary soil, stirring the surface once only. We used no stimulants whatever.—CHAS. BLACK, Hightstown, N. J.

—Of the seedlings submitted three have decided merit. All of them are results of crosses between Daybreak and Scott. No. 6 is a soft pink color with good calyx and a fair stem, but it is somewhat lacking in both form and size. No. 19 is a good-sized flower, with good, long stem and perfect calyx, very full in the center with the edges of the petals fimbriated; it measures 3 inches across. The color is several shades darker than Scott. No. 5 is a deep rose pink, full center, with the outer petals inclined to go upwards, giving the bloom a rather flat appearance. The stem is of good length and carries the bloom reasonably erect. The calyx shows little sign of bursting.

VIOLETS.—G. T. Schunemann, Baldwins, N. Y., sends us a bunch of his Marie Louise violets, which are very fragrant; also some flowers from his selected stock. These are large and fragrant, and are a decided improvement

NOTES BY THE WAY.

LONDON, ONT.—Commenting upon the Carnation Convention at Buffalo, and the show held at Toronto on the 8th inst., William Gammage noted the large number of sleepy blooms staged at the former city. He had a grand lot of that beautiful flower Mary Wood on exhibition, a variety that is far too little known. The flower is as pure and brittle as that of Glacier and much freer; habit of plant perfect. This is the last season for McGowan. Genesee will be grown in its stead. The last-named variety does well here; propagated late and planted where it can get the most sun it is a success. Joost will be grown in place of Scott. Lady Van Horn will be more extensively planted next season. Victor is a standard and Jubilee the best scarlet. Roses look well, Wootton and Meteor being of very fine color. Success is had with Begonia Gloire de Lorraine, and Spring stock for bedding plants is finer than usual. A good batch of geraniums is a profitable corner in the market this season.

HAMILTON, ONT.—E. G. Brown has a mixed house of Wootton, Bride and Bridesmaid that will compare favorably with the finest in the Dominion. I understand both crops of roses and carnations Gov. Griggs, Jubilee and Flora Hill have been fine all Winter; the demand has been very satisfactory. They grow a big lot of geranium Hermoine. It is a grand variety, both for design work and as a pot plant.

DETROIT, MICH.—Philip Breitmeyer reports being unusually busy these days. At time of my visit he was engaged upon one of the best wedding events of the season. The house was transformed into a perfect floral bower, the effect being white and pink.

Robert Flowerday, of the Detroit Floral Co., has taken a hurried trip across the pond to settle up an estate left by his respected father, recently deceased.

Harry Baisley has been reappointed upon the Park Commission. The local press gives him a great send off.

George Rackham returned from the Buffalo Convention in good shape, and tells those who desire to know "all about it" to go and see for themselves.

Gus. H. Taepke was well pleased with the trip, and is now figuring how to get those longiflorums in for Easter. He has a sure thing in a house of hybrid roses, pot grown.

Asman & Dunn are beginning to feel the advantage of an up-to-date plant. The fire fiend came as a blessing in disguise just after the time of our very enjoyable visit to the convention.

George Leadley has plans recorded for a handsome four-story building upon the site of the store occupied by John F. Sullivan for so long and now taken by Mr. Leadley for a number of years. The plan includes a good-sized conservatory at the rear.

Mr. Sullivan is located near by and reports a very good season.

Bruno Schroeter has had a big run on funeral work.

S. Taplin has had no trouble in keeping up steam by the aid of his all-consuming boilers. The severest weather has no terrors for him.

Gus Knoch is increasing his supply of bedding plants for cemetery trade, and reducing fancy stock.

Chas. Warneke says he never met a jollier crowd than he became acquainted with at Harmonie Hall. He learned much, and will be one of the sure delegates at New York in August.

DUBUQUE, IA.—The Harkett Floral Co. has invested in most of the newer kinds of carnations, having had excellent returns from such as Crane, Mary Wood and Joost. The demand for bedding stock promises to be as good as usual, and a large stock is being prepared to meet it.

MADISON, WIS.—Victor Wagman planted out on a bench the bulk of his 5x7 Harrisii and made a total failure. He attributes the loss to the bad bulbs, as previous to the last two years he had splendid success.

Fred. Rentschler will have a batch of pot-grown lilies for Easter. He grows a general assortment for retail trade and ships considerable to surrounding towns.

ROCKFORD, ILLS.—H. W. Burkbee reports a bright outlook for Spring, both in seed and plant business. W. M.

NEW CHRYSANTHEMUMS FOR 1900

BONITA Beautiful deep, golden orange; a bold, handsome flower, with good stem and foliage. 50c. each; $4.50 per doz.; $30.00 per 100.

EULALIE The best anemone ever introduced for cut flowers; extra good stem and foliage. 60c. each; $5.00 per doz.; $35.00 per 100.

LUCIOLE A combination of pink cerise and lavender; a grand exhibition variety. 50c. each; $4.50 per doz.; $25.00 per 100.

SOUCI Beautiful clear yellow; form and color of Modesto, but superior in every way. 50c. each; $4.50 per doz.; $30.00 per 100.

WINONA White base, veined with clear pink; a grand commercial variety. 50c. each; $4.50 per doz.; $30.00 per 100.

Also GRAND NEW SET of EARLY POMPONS

12 varieties, one of each, for $2.25.

All the new varieties of other raisers at advertised rates.

JOHN N. MAY, Summit, New Jersey.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Belle of Castlewood, Bonnaffon, Cullingford, Eugene Dailledouze, Glory of the Pacific, Ivory, J. Woodford, Liberty, Minerva, Mme. F. Bergmann, Mrs. J. G. Whilldin, Mrs. S. T. Murdock, Mrs. J. J. Glessner, Mrs. H. Weeks, Mrs. O. P. Bassett, Nivens, Rose Owen, The Queen, V. H. Hallock, Wm. H. Lincoln.

From 2½ in. pots, $2.00 per 100.

VERBENAS In 10 best varieties, from 2½ in. pots, strong plants, $2.00 per 100.

Cash with Order. Price List on Application.

R. VINCENT, JR., & SON, White Marsh, Md

Mention the Florists' Exchange when writing.

WALTER MOLATSCH

New Early Yellow Chrysanthemum.

THREE CERTIFICATES A. C. S.

Price, 50c. each; $4.00 per doz.; $25.00 per 100.

For Sale by

DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y.

AND

H. A. MOLATSCH, - - - Brooklyn, N. Y.

68th St., bet. 8th and 9th Aves.

Mention the Florists' Exchange when writing

ROOTED CUTTINGS

	100	1000
Coleus, Crimson Verschaffeltii, Golden Bedder and Golden Queen	$0.75	$6.00
In variety	.60	5.00
Alternantheras, P. Major and A. Nana, from soil	.60	5.00
Ageratum, blue and white	.60	
" Princess Pauline	.75	
Double Petunias, 30 varieties	1.25	
Giant Alyssum	.60	
Heliotropes, 12 varieties	1.00	
" " 2 inch pots	2 00	
Salvia Splendens and **Bedmaa**	1.00	
Cannas, Austria only, dormant	1.00	
Geraniums, standard bedders, 3 inch pots, our selection	3.00	

Plants by the 100, by mail, prepaid. Cash with order.

C. A. HARRIS & CO., DELANSON, N Y

Mention the Florists' Exchange when writing.

Choice Plants! Low Prices!

All following are in first-rate condition.

CLEMATIS PANICULATA, strong, in fists, 100 Mailed, $1.25.

BEGONIA VERNON, 6 sorts, mixed, in fists, 100 Mailed, $1.25.

PEPEROMIA ARGYREA and **ARIFOLIA,** 100 Mailed, $1.25.

LYGODIUM SCANDENS, climbing fern, 2 inch pots, per 100, $3.00.

PTERIS TREMULA, 2 inch pots, per 100, $3 00.

PTERIS DEWEYANA, new, 1899, 2 inch pots, per dozen, $2.00.

NEPHROLEPIS WASHINGTONIENSIS, new 2 inch pots, 6 mailed, $1.25.

NEPHROLEPIS PHILLIPENSE, 2 inch pots, strong, per 100, $10.00.

GENISTA RACEMOSA, 5 inch, full bushes, full of flower spikes, per dozen, $2.00.

CYPERUS ALTERNIFOLIUS, 4 inch, per 100, $5.00. Carefully Packed. Cash with Order.

JOHN H. LEY, Good Hope, Washington, D.C.

Mention the Florists' Exchange when writing.

1000 Lilium Longiflorum 7 to 9, 6 in. pots, just right for EASTER. Write for prices.

Boston Ferns, ready for shifting, 2½ in., 6 cts.; 3 in., 10cts.; 3½ and 4 in., 18 cts.

Geraniums, Salleroi, Mrs. Taylor, Walnut and Rose, cut back, 2½ cts.

Vinca Major, 2½ in., 2½ cts.

Trailing Lantana, just what you want for vases, baskets, etc., 2½ cts.

Begonias, in variety, 2½ cts.

Gnaphalium, fine for baskets, 2½ cts.

Panicum Variegatum, 2½ cts.

Achyranthes, 2½ cts.

Coleus, Verschaffeltii, Beckwith Gem in variety. R C., 75 cts. per 100.

Ageratum, Tapis blue, dwarf and the best blue to date, 2½ cts. White Cape, dwarf, extra fine white flowers, 2½ cts.

Tradescantia Multicolor, **Double Sweet Alyssum,** 2c. CASH, PLEASE.

A. J. BALDWIN, Newark, Ohio.

Mention the Florists' Exchange when writing.

Oceanic, N. J.

The Monmouth County Horticultural Society held its regular semi-monthly meeting, March 16, President H. A Kettel in the chair. The ball committee reported all bills paid and a surplus of over $40 on hand. Short speeches were made by Professor C. H. Walling, J. S. Barkuloo, H. A. Kettel and others. J. S. Barkuloo was appointed a committee of one to take steps looking to the incorporation of the society. The secretary was instructed to notify every member to be present at the next meeting, April 6, as some very important business will then be transacted. B.

MAMMOTH VERBENAS. Mammoth Verbenas large rooted plants, 60c. per 100; $4 50 per 1000. **Cyclmea,** 3 in., $5.00 per 100; 4 in. in bloom, $1.25 per doz. **White Stocks** for Easter, 2 in., $1 50 per 100 Rooted cuttings, d'bl and s'gle **Petunia,** $1.00 per 100 **Dwar Lobelia,** $1.00 per 100 **SAMUEL WHITTON, 15-17 Gray Ave., Utica, N. Y.**

Mention the Florists' Exchange when writing.

Rooted Cuttings **COLEUS**—Verschaffelti Golden Queen, Mixed **Heliotrope, Double Petunias, Salvia,** etc. **Alternanthera**—four kinds. USUAL PRICES.

L. H. FOSTER, 45 KING STREET, **Dorchester Mass.**

Mention the Florists' Exchange when writing.

CLEARY & CO.,

Horticultural Auctioneers,

Sales Every Tuesday and Friday,

60 Vesey St., NEW YORK.

Mention the Florists' Exchange when writing.

PANSY PLANTS

Of my largest flowering mixture of **Show Varieties.** Unsurpassed quality. Fine stocky plants, $3 00 per 1000. Large, bushy transplanted plants in bud and bloom, $1.00 per 100; $8.00 per 1000; 5?0 at 1000 rate.

GUSTAV PITZONKA, - Bristol, Pa.

Mention the Florists' Exchange when writing.

Pansies Worth Raising

Good Plants, $4.00 per 1000; $2.50 per 500.

Extra Large Transplanted Plants in bloom, as good as in spring, $2.50 per 100.

☞F. O. B. Express here. Cash with order.

C. SOLTAU & CO., 199 Cranl Avs., Jersey City, N. J

Mention the Florists' Exchange when writing.

PANSIES

Roemer's Superb Prize Pansies, extra large, transplanted plants, from cold frames, in bud, mixed colors,

$1.50 per 100; $12.00 per 1000.

Seedlings, fine stocky plants, from fall cold fames, 50c. per 100; $3 per 1000. Cash with order.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

PANSIES

The Jennings Strain. 200,000 fine, stocky plants, from cold frames, varieties the finest, many are curled and fringed. 100 plants by mail, 60 cts.; 1000 plants by express, $3.50; extra fine Pansy blooms, by mail, 50c. per 100.

Pansy Seed of above, $1.00 per pkt.; $5.00 per oz. Samples sent for 10 cts. Cash with order.

E. B. JENNINGS, Lock Box 251, **Southport, Conn.**

Grower of THE FINEST PANSIES.

Mention the Florists' Exchange when writing.

Madison, N. J.

Morris County Gardeners and Florists met in Masonic Hall on the 14th inst., President Duckham in the chair. Charles Jones, of Convent, was elected to membership. The secretary announced receipt of a check for $15 from the F. R. Pierson Co., Tarrytown, in accordance with the terms of their offer of special prizes for chrysanthemum Col. Appleton. The president asked all members who grew chrysanthemums to be sure and procure this fine new variety so as to insure a spirited competition for the prizes next November.

A. Herrington had been announced to speak on "Giants I saw in Buffalo," and to substantiate the announcement he came prepared to show members that there were "giants" in these days—thanks to the kindness of C. W. Ward and the Dailledouze Brothers, specimen blooms of novelties, seedlings, including No. 666, No. 3 and others, as well as blooms of new and old standard varieties were on exhibition, and aptly served to illustrate the speaker's remarks, which were all along the lines of recent progress and marked high development. He thought the American Carnation Society had been a great factor for good, and judging from the earnestness of purpose that characterized the recent Buffalo meeting the good work would still go on, and a decade hence we should be commenting on the passing of the very varieties we were lauding to-day.

An interesting conversation followed which brought out the strange fact that Madison, with all its many establishments, does not contain a single grower of carnations beyond one or two florists who grow a few for their local trade.

MADISONIAN.

Toronto.

Business Rather Slow.

General business during the past week was rather slow. There was, however, considerable funeral work, and Saturday, St. Patrick's Day, was a regular boom for the retail trade. The order of Queen Victoria, that her Irish soldiers should wear a bunch of shamrock on that day, caused a big boom all over the Empire for the little green leaves, and the call for them in Toronto was enormous. Little bunches for buttonholes brought, in hundreds of cases, 15c. each, and good 5-inch pot plants all prices, from 3½c. to $1.50 each. The King street stores appeared to have the best of the trade; but all had a share. The growers generally did not benefit much, for the wholesale prices were low. I heard of one lot of plants, in 3½-inch pots, being bought for 40c. per dozen, and sold at 75c. each—a profit that would satisfy the most grasping surely. The day was very cold, or I expect the demand would have been even greater. All sorts of trifoliate plants were sold for shamrock, and all alike went, for no one can tell which is the real thing. Most of the boys had several varieties in stock, so that all tastes could be suited. A small dark-leaved clover, two varieties of trefoil, and several others were all in good demand.

The stock coming in now is generally of No. 1 quality, the poorer grade finding its way to the department stores.

The cold weather of the last two weeks has made plant sales slow, but I fancy a few warm days will alter this condition, and the demand will be lively.

The floral committee of the Industrial Exhibition met last week and revised the prize list for this year. The principal change made from last year's list is, that the 50 specimen foliage plants are to be shown in pots that are not to exceed 16 inches, and the insertion of a section for three specimen palms.

W. Houston, the Government gardener, is planning to have a fine lily pond in front of the Parliament Buildings this year. He is very successful with aquatics, so there is no doubt these will be a great attraction in the park this Summer.

At John H. Dunlop's.

A visit to John H. Dunlop's fine place last week showed nearly everything in fine order. The carnations, of which there are several houses, are in splendid condition—all clean and healthy. Mrs. Bradt, as grown here, is certainly one of the finest carnations up to date. Maceo and Gomez were also doing very well, while Crane was quite up to the standard seen anywhere, and that is saying much. The young stock, both in the cutting bed and in flats, is in spleadid order, one house of plants in flats being, I think, as good as they can be. The roses are all looking well and the young stock is in fine order. There are large batches of Easter lilies coming on just right, and some good lilacs and azaleas, with valley and tulips, are here in unlimited quantities. T. M.

Cincinnati.

Business Still Good.

Business still continues good, with fair stock to meet the demand, although there is no surplus, excepting in violets, which are much more abundant than required. Prices remain about the same as former quotations. Millinery openings are now using some flowers, but funeral work is the principal business with the stores. The Lenten season has made very little difference so far.

The News.

Articles of incorporation have been signed by Albert Sunderbruch, W. A. Mann, Frank Ball, Gus. Myers and Ben George, for the purpose of building six large greenhouses. Capital stock $10,000, $100 a share It is understood that Albert Sunderbruch will be president of the company and W. A. Mann secretary and treasurer. Frank Ball will have charge of the wholesale end of the business.

The writer received a telegram from LaGrange, Ill., Monday morning, stating that John J. Ring, florist, of this city, had been killed by a passing train. Some years ago Ring's father, who was in the employ of McFadden, was killed in a similar manner while crossing railroad tracks in this city. A brother and sister still reside in Cincinnati.

Mr. and Mrs. E. G. Hill, of Richmond, Ind., and Mr. and Mrs. Robert Craig, of Philadelphia, were callers Friday. Lloyd Vaughan, of Chicago, was in the city Saturday. Mr. Vaughan reports business excellent, and says that florists who are growing lilies should buy 5 to 7 Harrisii for forcing at Christmas and longiflorum for Easter. In this way the disease will be side-tracked and the flowers will then net the grower a good profit.

Invitations have been received from Mr. and Mrs. J. A. Peterson as follows:

"'The House in the Woods,' March 21, 1900, from 2 to 5 p. m."

E. G. GILLETT.

Ithaca, N. Y.

Trade has held remarkably good all through the Winter. There has been a very noticeable increase in the demand, both for cut flowers and flowering plants. The prospects for a very heavy Easter trade are very bright. The Bool Floral Co. will have a very large stock of everything. Primula obconica, as done here, is simply grand, and a good demand is found for them. A pink seedling is a very fine thing and will, I feel sure, prove a good seller. Fully 25 per cent. of their Harrisii has been lost through disease. The whole place is one of the best equipped with water that I have ever seen, and the plan of having a hose attached to each faucet is worthy of imitation by every florist. It has proved a very good paying investment, and the hose lasts for years, as the dragging of hose from house to house soon wears it out.

Foote is building a greenhouse on State street, to be used as a store and show house, and will occupy it about Easter.

Very cold weather prevails just now, the glass on the 11th registering zero.

H. Y.

Buffalo.

Market Report.

Trade has assumed a seasonable, nevertheless a noticeable, dullness, with news items scarce. Flowers are naturally plentiful on all sides, and low-price-offering placards are freely observable in some windows on divers days.

The downtown floral "Rialto" knows the Wm. Scott flower store no longer, that branch being removed to, and, as it were, merged into his Cold Spring business. The locality of this place, in its steadily increasing resident population, must afford him ample field for operations.

Philip Scott bids adieu to fill a manaaging position in the store of the Park Floral Co., of Denver, Col.

The oncoming of Easter is verified by the window showing at Rebstock's of a large genista plant or tree in full flower. It spreads 8 feet in diameter, fairly filling the large window space.

J. Austin Shaw was a visitor this week. VIDI.

Must Have Room for Other Stock

Cinerarias, for Easter, in bud and bloom, 4 in. pots, $5 00 per 100; 5 in. pots, $1 per doz. **Begonias**, in variety, 2 in. pots, $2.00 per 100; 3 in. pots, $3 per 100. **Bedding Begonias**, Vernon, 2 in. pots, $2 per 100; 3 in. pots, $3 per 100. **Cyclamen**, in bloom, 4 in. pots, $1 per doz. **Alternantheras**, red and yellow, transplanted, 65c. per 100. **Coleus**, 60c. per 100. Satisfaction guaranteed. Low express rates. Sample, 10c.

J. S. BLOOM, Reigelsville, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

Well-rooted cuttings, best varieties, double and single, separate or mixed,

$1.00 per 100; $9.00 per 1000.

A few thousand Queen of West and single Grant left, at the same price. Cash with order.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

HEALTHY STOCK. No Better on the Market.

Carnations, McGowan, Scott, Portia XX, 75c. per 100, $5.00 per 1000; express prepaid on 1000 lots. Flora Hill, Jubilee, Meteor, Rose Queen, $1.25 per 100.
Violets Farquhar, large double, strong, $1 per 100.
Cannas, best varieties, $1.50 per 100; $10.00 per 1000.
Ageratum, Princess Pauline, 50c. per 100.
Red Alternanthera, 50c. per 100.
Cyclamen giganteum, 2½ in., $2.50 per 100.
Primula Obconica, in bloom, $2.50 per 100.
Cinerarias, ex. strong, 4-in. $1.00 per doz; $6.00 per 100

RICHARD INSALL, West Moorestown, N. J
Lock Box 514,

Mention the Florists' Exchange when writing.

SANTOLINA, Lavender Cotton.

Highly desirable evergreen for borders, rockwork, carpet bedding, etc. Well-rooted cuttings, 35c. for 10; $3.00 per 100; $25.00 per 1000. Send your order while they last.

PINEHURST NURSERIES, Pinehurst, N. C.

Otto Katzenstein, Mgr.

Ask for our trade lists.

Mention the Florists' Exchange when writing.

NEW COLEUS

Large leaved, in variety, gorgeous colors, grand for foliage beds; **Corona**, small leaved, compact, fine for any purpose, scarlet with wide gold edge, $1 00; **Red and Yellow**, 60c.; **Fancy**, 50c.

TRANSPLANTED. Bedding **Begonias**, $1.50; **Petunia Veteran**, finest of all dwarfs, $2.00; **S. Fringed**, $1.20; **Heliotropes** and **Sage**, $1 00; **Verbena**, brightest colors, 60c. All prices are for 100, and by express. Terms cash. Get trade list and details.

DANIEL K. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

300,000 VERBENAS

60 finest named varieties, including our new
MAMMOTH WHITE MRS. McKINLEY.
The finest white Verbena grown.

Perfectly healthy. Free from rust.

Rooted cuttings, 60 cts. per 100; $5.00 per 1000.
Plants, $2 50 per 100; $20.00 per 1000.
Our list is the choice from millions of seedlings

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

FUNKIA LANCIFOLIA GREENLEAFED.

A fine hardy bordering plant. The spikes of Lavender-blue flowers are nice for funeral work, $2.00 per 100; $15.00 per 1000.
EULALIA striated, $2 00 per 100.
PANSIES. $4.00, $10.00 and $12.00 per 1000.
HELIANTHUS MULTIFLORUS PLENUS, $2.00 per 100 strong pieces.
Will exchange for carnations or other stock needed. **W. C. JENNISON, Natick, Mass.**

Mention the Florists' Exchange when writing.

SEEDLINGS

Grown from the best seed that money can buy.

Fine plants.	100	1000
Verbenas, extra Selected Mammoth	$0.30	$2 50
Phlox Drummondi nana compacta	.30	2.50
Asters, all varieties	.30	2 50
Mignonette, Golden Machet	.30	2.50
Candytuft, Empress	.25	2 00
Sweet Alyssum, Little Gem	.25	2.00

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

AMERICA.

50c. each, $5.00 per doz. For sale also by Henry A. Dreer, Cottage Gardens, Henry F. Michell, J. C. Vaughan.

MARS.

2¼ inch, $5.00 per 100.

DRYDEN.

New, finest bedder, 2½ inch, $10.00 per 100.

Set of 15 Novelties, 1899, including one America, $2.00 per set.

Cash, Please.

H. EICHHOLZ, Florist,
WAYNESBORO, PA.

Mention the Florists' Exchange when writing.

SURPLUS STOCK OF GOOD VALUE.

Asparagus Spengeri. 6 in., 35c., 10 in. baskets, $1.00.
Asparagus Plumosus Nanus. 3 in., $8.00 per 100.
Ipomœa, blue, strong. 2½ in., $3.00 per 100.
Alyssum, double white, strong. 2½ in., $3.00 per 100. Cuttings, 60c. per 100.
Thrinax, variegated, strong. 2½ in., $3.00 per 100.
Violets, California, strong, 3½ in., $3.00 per 100. Runners, $1.00 per 100.
Transplanted Plants, $1 50 per 100 of Stocks, Dbl. White, Mignonette, true Machet, Hollyhock, Dbl. White, Jerusalem Cherry, Ardesia Crenulata.
Carnation Cuttings, strictly clean. Daybreak, $2.00 per 100; Scott, $1.50 per 100; Sandusky, $2.00 per 100; Maude Adams, $2 00 per 100; St. Clair, red, money maker, $2.50 per 100

A. G. FEHR, Belleville, Ill.

Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

Asparagus Plumosus, 3 in., $8.00 per 100.
Rex Begonia, 3 in., mixed, $4.00 per 100.
Marguerite Daisy, large flowering white, 2 in., $3 00 per 100. **Nephrolepis Cordata Compacta and Boston Fern**, 2 in., $4.00 a 100.
Kentia Belmoreana and Forsteriana, 4 in., nice plants, 40c. each; 3 in., 20 cts. each.

GERANIUMS, Double Grant, Bonnatt, Single Grant, Murandi, Sam Sloan, 2 in., $3 00 per 100.

ENGLISH IVY, 2 in, $3 00 per 100.

CAMPBELL VIOLETS, Rooted runners, 50 cts. per 100.

New Carnation KITTATINNY.

A new money making carnation; a white sport from Daybreak. Any one can grow it that can grow Daybreak, as it is identically the same in every respect except color, which is pure white; and with me it is a stronger grower and larger flower, and as a first-class all-round white can't be outclassed. Stock limited, and orders will be filled in strict rotation. Price per 100 **Rooted Cuttings**, $6.00.

Carnations, rooted cuttings. Daybreak, Isgo, Flora Hill, $1.25 per 100. Scott, Fisher, Portia McGowan, Alaska, Peach Blow, 75c. per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

BEGONIA CALEDONIA

The White Lorraine.

We are now booking orders for Fall Delivery.

Plants from 3 1-2 in. Pots, $5.00 Each.

R. & J. FARQUHAR & CO.,

16 & 19 S. Market St., Boston, Mass.

Mention the Florists' Exchange when writing.

Rooted Cuttings

BY MAIL.

August Sowing: Cyclamen P. Giganteum, unexcelled strain, $2.00 per 100.
Salvia Splendens and Bonfire, $1.00 per 100; $8.00 per 1000. Pot plants, $1.50 per 100.
Heliotrope, $1.00 per 100; $8.00 per 1000. Pot plants, $1.50 per 100.
German Ivy and **Ageratum**, 75 cts. per 100.
Lobelia, dwarf and trailing, $1.00 per 100.
Salanum Jas. Alba, $1.50 per 100.
Fuchsias, $1.00 per 100; from pots, $1.50 per 100.
Feverfew, Dwarf Gem, **Vinca Variegata**, $1.00 per 100; from pots, $1.50 per 100.
Paris Daisy, Giant, $1.00 per 100; pot plants, $1.50 per 100.
Alyssum, Double Giant, $1.00 per 100.
Rudbeckia, Golden Glow, $3.00 per 100.
Forget-Me-Not, $1.50 per 100; 4 in., $5.00 per 100.
Pansies, large, transplanted, from cold frames, $5.00 per 1000; smaller plants, $2.50 per 1000.
Double Petunias, fine, fringed vars., $1.00 per 100.
Chrysanthemums, $1.00 per 100.
Dracæna Indivisa, 3 in. pots, $3.00 per 100; 4 in. pots, $5 00 per 100.
Double Stocks and **Early Asters**, 50 cts. per 100.

CARNATIONS—
Scott and McGowan, $1 00 per 100; $6.00 per 1000. Daybreak, $1.25 per 100; $10.00 per 1000.
Flora Hill, $1.25 per 100.
Bon Ton, Joost, John Young, each $2.00 per 100.
Gomez, 60 cts. per doz.; $4.00 per 100.

Cash with order.

ORANGE FLORAL CO., West Orange, N. J.

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DOUBLE PETUNIAS.

OVER 75 VARIETIES, NAMED.

I have the finest and largest collection in the country, an immense stock, and can fill all orders without delay.

Rooted Cuttings, by mail..... $1.25 per 100.
Heliotrope, 16 vars..... 1.50 "
Ageratum, Princess Pauline..... 1.00 "
Ageratum, White and Blue..... .75 "
Abutilon, 4 vars., R. C..... 1 50 "
Fuchsias, 12 vars..... 1.25 "
Baby Primrose, strong, 2 in..... 3.00 "
Moon Vines, Smith's Hybrid Seedlings, which are the best varieties, transplanted, $2 00 per 100.
Salvia, Splendens and Bedman, seedlings, 50 cents per 100.

Cash with order, please.

GEORGE J. HUGHES, BERLIN, N. J.

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Cobæa Scandens

2½ inch pots, per 100, $2.00.

	Doz.	100
Begonia, Alba Picta, 2 in.	$0.50	$1.50
Geranium, Mme. Salleroi, 2 in.	.50	3.00
Salvia Splendens, 2 in.	.40	2.00
Rudbeckia, Golden Glow, 2½ in.	.50	3.00
Carex Japonica var., 2 in.	.50	2.00
Crotons (in variety), 2 in.	.50	3.00
Abutilon, Souv. de Bonn, 3 in.	.75	5.00
Cyperus Alternifalius, 4 in.	1.00	6.00

Rooted Cuttings, Bride and Bridesmaid **Roses.** Good, clean stock, $1.50 per 100; $12.00 per 1000.

Send for list of Select Sweet Pea Seed.

Cash with Order.

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GERANIUMS

A few thousand left in 2½ in. pots at $30.00 per 1000; $3.25 per 100. S. A. Nutt, La Favorite, Richard Hrett, Wilhelm Pfitzer, Mazet Delayas, J. M. Garr, Mrs. E. G. Hill, Wonder, Granville, Rev. Atkinson.

Mme. Salleroi, Geraniums, in soil, $1.50 per 100; $12.00 per 1000.

Also, **Rose Geranium Cuttings**, $18 00 per 1000; $2.00 per 100.

COLEUS, Crimson Verschaffeltii and Golden Queen, $7.00 per 1000, 75c. per 100; 2 in. pots, $1.50 per 100. Coleus in variety, $5.00 per 1000, 60 cts. per 100; 1¾ in. pots, $1.25 per 100.

AGERATUM, Blue and White, 75c. per 100; 1¾ in. pots, $1.25 per 100. Princess Pauline, $1.00 per 100; 1¾ in. pots, $1.50 per 100.

GIANT ALYSSUM, $1.00 per 100.

SALVIA, Splendens and Bedman, $1.25 per 100; 2 in. pots, $1 75 per 100.

HELIOTROPE, 6 vars., named, $1.00 per 100; 1¾ in. pots, $1 50 per 100.

CUPHEA (Cigar Plant), $1.00 per 100.

FUCHSIAS, $1.50 per 100; 2¼ in. pots, $2 50 per 100.

FEVERFEW, $1.50 per 100; $12.00 per 1000; 2 in. pots, $2.00 per 100.

VINCAS, $1.25 per 100; $10.00 per 1000. 4 in. pot, $8.00 per 100; $70 per 1000. Fine plants.

The above are rooted cuttings, except when noted. Cash must accompany all orders.

J. E. FELTHOUSEN, Schenectady, N. Y.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

Carnations, Scott, McGowan, Daybreak, Albertini, Armazindy, Jahn's Scarlet, $1.25 a 100; $10 a 1000
Fuchsias, Heliotrope, Lemon Verbena, Coleus, Double Alyssum, Vinca Variegata and **English Ivy**, $1.00 per 100. **Strong, Bushy, English Ivies**, 4 feet high, $15.00 per 100. Strong stock plants of **Geranium Mars**, $2 50 per doz. Strong stock, one-year-old plants of **Double** and **Single Grant**, and other good vars. of Geraniums, $15.00 per 100.

JOHN RECK, Bridgeport, Conn.

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VINCA MAJOR VARIEGATA

Strong plants, from 2¼ inch pots, ready for a shift,

$3.00 per 100; $25.00 per 1000.

NATHAN SMITH & SON, = = Adrian, Mich.

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XXX STOCK

GERANIUMS.

The finest single and double, extra strong plants, out of 3½ inch pots, named or mixed, **$3.50 per 100**

FUCHSIA, Madame Bruant. New giant double purple, the finest and most free of all the purples, $3.50 per 100.

FUCHSIA, Madame Carnot. New giant double white; mammoth; the finest and most free of all double whites, $3.50 per 100.

Read what The Exchange says of these Giant Fuchsias, Nov. 18, 1899, page 1156.

CHINESE PRIMROSE seed. Finest large fringed, single and double, 500 seeds, $1.00.

PRIMULA Obconica. Improved bright rose color; very finest of all Obconicas, 1000 sds. 50c.

HELIOTROPES. Large flowering, light and dark, strong bushy plants, ready for 3½'s, $2.50 per 100.

LOBELIA, New Double Blue. Dwarf, extra fine and a perfect beauty; ready for 3½'s, $3.50 per 100.

LOBELIA, Emperor William. Dwarf finest bright blue, ready for 3½'s. $2.00 per 100.

PANSY. Finest Giants. Choicest mixed, 3500 sds., $1.00; ½ pkt., 50c.

CINERARIA. Large flowering dwarf; very choicest mixed 1000 sds., 50c.

Extras added liberally to every order.

COBÆA SCANDENS, ready for 3½'s, $2.00 per 100. **JOHN F. RUPP**, THE HOME OF PRIMROSES, **SHIREMANSTOWN, PA.**

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100,000 CUTTINGS

	Per 100
Achryanthes	$1.00
Alternantheras, red and yellow	$5 per 1000, .60
Alternantheras, summer struck	$9 per 1000, 1.00
Ageratum blue and white,	1.00
" Princess Pauline,	1.25
Alyssum, Double Giant,	1.00
Begonia Erfordii	2.00
" Rex	2.00
" Inc. Gigantea	2.00
Carnation, White Cloud,	3.00
" Triumph, Albertini, and Flora Hill,	2.00
COLEUS—	
Fancy and large leaf	1.00
Verschaffeltii, yellow and selected kinds, $7 a 1000,	.80
COLEUS—	Per 100
Mixed colors, $5 per 1000,	$0.60
Forget-Me-Not (Winter Flowering)	$2.00
GERANIUMS—	
Named	2.00
Mixed	1.50
Mrs. Parker (Double Pink)	
Silver Leaf	4.00
Silver Leaf, Rose Scented	1.50
Mme. Salleroi	1.25
Double New Life	4.00
Mrs. Pollock and Happy Thought	2 00
Bronze	1.50
Mars, Freak of Nature	3.00
Mme. Bruant	2.50
	Per 100
Fuchsias, assorted	1.50
" Sun Ray (variegated)	4 00
" Trailing Queen	1.50
German Ivy	1.25
Heliotrope, purple and white	1.25
Impatiens Sultani	2.00
Lantana, assorted	1.50
" trailing	2.00
Lemon Verbena	1.50
Lobelia	1.00
Manettia Bicolor	2.00
Tradescantia Tricolor	2.00
Salvia	1.25
Stevia Var	1.50
Verbenas, $6.00 per 1000.	.75
Vinca Var., extra strong	1.50

PLANTS.

	Per 100
Abutilon Var., trailing, 2¼ in.	$4.00
Anthericum, 3 in.	6.00
BEGONIAS—	
Rex, 4 inch	$10.00
" assorted, 2¼ in.	4.00
" named, 2¼ in.	6.00
Fragrant Calla, 2¼ in., 1.50 per doz.	
Fragrant Calla, 4 in., $8 00 per doz.	

PLANTS.

	Per 100
Forget-Me-Not (Winter Flowering) 2¼ in.	$4.00
Fuchsias, 2¼ in.	4.00
GERANIUMS—	
Happy Thought, 2¼ in.	4.00
Silver Leaf, 2¼ in.	4.00
Mrs. Pollock, 2¼ in.	4.00
LEMON VERBENAS, $3.00, $4 00 and	6.00
Mignonette, 2 in.	2.00
Manettia Bicolor, 2¼ in.	4 00
	Per 100
Palm Washingtonia Filifera, 2¼ in.	$4.00
Pansy Plants, $8 a 1000.	1.00
" " $5 a 1000.	.60
Primula Obconica, 2 in.	2.00
In flats	1.50
Single Petunias, from flats	1.50
Vinca, 2¼ in.	3.00

Terms, Cash or C. O. D. **GREENE & UNDERHILL, Watertown, N. Y.**

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Wall Space for Advertising Purposes to Rent.
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VIOLET PLANTS FOR EASTER
Lady Campbell violet plants in 5 and 6 inch pots, 20 to 40 large flowers and buds on each plant. Fine dark color.
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Receiving Extra Quality AM. BEAUTIES and all other varieties of Roses.
TELEPHONE 902 MADISON SQUARE. CARNATIONS.

...Wholesale Prices of Cut Flowers...

	Names and Varieties	New York Mar. 23, 1900	Boston Mar. 15 1900	Philadelphia Mar. 23. 1900	Baltimore Mar. 22, 1900	Buffalo Mar. 21, 1900
Roses	A. BEAUTY, fancy—special	15.00 to 25.00	30.00 to 40.00	40.00 to 50.00	.... to	35.00 to 45.00
	" extra	12.00 to 15.00	20.00 to 25.00	25.00 to 35.00	30.00 to 40.00	15.00 to 25.00
	" No. 1	8.00 to 10.00	10.00 to 16.00	15.00 to 25.00	16.00 to 25.00	10.00 to 12.50
	" Culls & ordinary	1.00 to 2.00	6.00 to 10.00	5.00 to 15.00	6.00 to 12.00	3.00 to 8.00
	Bride, 'Maid, fancy—spc'l	6.00 to 8.00	.... to 16.00	10.00 to 12.00	.... to 6.00	.... to 8.00
	" extra	4.00 to 6.00	.... to 12.50	8.00 to 10.00	.... to	.... to ....
	" No. 1	3.00 to 4.00	6.00 to 10.00	6.00 to 8.00	.... to	.... to ....
	" No. 2	1.50 to 2.00	2.00 to 4.00	3.00 to 4.00	4.00 to	3.00 to ....
	K. A. Victoria	.... to	.... to	4.00 to 8.00	4.00 to 6.00	.... to ....
	La France	3.00 to 6.00	.... to	.... to	3.00 to 5.00	.... to ....
	Meteor	2.00 to 8.00	3.00 to 12.50	4.00 to 10.00	5.00 to 8.00	2.00 to 8.00
	Papa Gontier	.... to	.... to	.... to	3.00 to 4.00	2.00 to 5.00
	Perle	2.00 to 5.00	.... to	3.00 to 6.00	3.00 to 5.00	2.00 to 5.00
	Souv. de Wootton	.... to	.... to	.... to	.... to	2.00 to 5.00
	ORCHIDS—Cattleyas	35.00 to 50.00	35.00 to 40.00	.... to 50.00	.... to	.... to ....
	Cypripediums	.... to 12.50	.... to	.... to 15.00	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	25.00 to 35.00	.... to	.... to ....
Carnations	Inf'r grades, all colors	.75 to 1.00	.75 to 1.50	.75 to 1.50	.75 to 1.25	.75 to 1.00
	STANDARD VARIETIES: White	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	1.00 to 2.00
	STANDARD VARIETIES: Pink	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	1.00 to 2.00
	STANDARD VARIETIES: Red	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	1.00 to 2.00
	STANDARD VARIETIES: Yel. & Var.	1.50 to 2.00	1.50 to 2.50	1.50 to 2.00	1.50 to 2.00	1.00 to 2.00
	"FANCY— ("The highest grades of standard var) White	3.00 to 5.00	2.00 to 2.50	2.00 to 4.00	2.50 to 3.00	2.00 to 3.00
	"FANCY— ("The highest grades of standard var) Pink	3.00 to 5.00	.... to 2.50	2.00 to 4.00	2.50 to 3.00	2.00 to 3.00
	"FANCY— ("The highest grades of standard var) Red	3.00 to 5.00	2.00 to 3.00	2.00 to 4.00	2.50 to 3.00	2.00 to 3.00
	"FANCY— ("The highest grades of standard var) Yel. & Var.	4.00 to 8.00	2.00 to 3.00	2.00 to 4.00	2.50 to 3.00	2.00 to 3.00
	NOVELTIES	8.00 to 10.00	3.00 to 4.00	3.00 to 5.00	.... to	.... to ....
	ADIANTUM	.50 to .75	.... to 1.00	1.00 to 1.50	.... to 1.00	.75 to 1.25
	ASPARAGUS	35.00 to 50.00	.... to 50.00	35.00 to 50.00	25.00 to 75.00	35.00 to 60.00
	CALLAS	5.00 to 8.00	6.00 to 10.00	8.00 to 12.50	6.00 to 8.00	5.00 to 12.00
	HYACINTHS	.75 to 1.00	1.00 to 4.00	1.50 to 3.00	2.00 to 3.00	2.00 to 6.00
	LILIES	6.00 to 10.00	12.50 to 16.00	.... to	.... to 8.50	10.00 to 12.50
	LILY OF THE VALLEY	1.00 to 3.00	2.00 to 3.00	2.00 to 4.00	2.00 to 4.00	2.00 to 3.00
	MIGNONETTE—ordinary	1.00 to 2.00	1.00 to 2.00	1.00 to 3.00	1.00 to 3.00	1.50 to 2.00
	" fancy	2.00 to 5.00	3.00 to 4.00	3.00 to 4.00	.... to	3.00 to 4.00
	NARCISSUS	.50 to 2.50	1.50 to 4.00	.... to	.... to	.... to ....
	SMILAX	10.00 to 18.00	10.00 to 14.00	15.00 to 20.00	10.00 to 25.00	10.00 to 15.00
	SWEET PEAS	.75 to 1.00	1.00 to 3.00	1.00 to 2.00	.... to	1.00 to 2.00
	TULIPS	2.00 to 4.00	2.00 to 4.00	3.00 to 4.00	2.00 to 4.00	2.00 to 4.00
	VIOLETS	.15 to .40	.30 to .50	.15 to .50	.25 to .35	.30 to .50
	VIOLETS, special	.50 to .60	.60 to .75	.50 to .75	.... to	.50 to .75

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

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Receiving Daily Fine
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METEORS,
BEAUTIES,
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Fine VALLEY in stock at all times.

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ASPARAGUS PLUMOSUS NANUS
CUT STRINGS, 8 feet long.
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Shipped to any part of the country.
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...Wholesale Prices of Cut Flowers...

	Name and Varieties	Chicago Mar. 21, '00	St. Louis Mar. 13, '00	Cincinnati Mar. 20, '00	Milwaukee Mar. 12, '00	Pittsburg Mar. 20, '00	Toronto Mar. 14, '00
Roses	A. Beauty, fancy—special	35.00—40.00	....—	....—	35.00—50.00	35.00—45.00	....—35.00
	" extra	25.00—30.00	....—25.00	....—25.00	20.00—25.00	25.00—30.00	....—25.00
	" No. 1	10.00—15.00	15.00—20.00	....—15.00	12.50—18.00	10.00—20.00	....—10.00
	" Culls & ordinary	3.00— 5.00	5.00—10.00	5.00—10.00	4.00— 6.00	5.00—10.00	....— ....
	Bride, Maid, fancy-spec'l	7.00— 8.00	....—10.00	....— 7.00	10.00—12.00	....—12.00	....—10.00
	" extra	5.00— 6.00	....— 8.00	....—	6.00— 8.00	....—	....— ....
	" No. 1	3.00— 4.00	....— 6.00	....—	4.00— 6.00	....—	....— ....
	" No. 2	2.00— 3.00	4.00— 5.00	6.00—	3.00— 4.00	3.00—	2.00— ....
	K. A. Victoria	4.00— 6.00	....—	....—	....—	....—	....— ....
	La France,	....—	....—	....—	....—	....—	....— ....
	Meteor	3.00— 7.00	4.00— 8.00	3.00— 6.00	6.00— 8.00	3.00—10.00	2.00—10.00
	Papa Gontier	2.00— 4.00	4.00— 5.00	....—	....—	....—	....— ....
	Perle	3.00— 6.00	4.00— 5.00	4.00— 5.00	4.00— 6.00	3.00— 6.00	1.00— 6.00
	Souv. de Wootton	....—	4.00— 5.00	....—	....—	....—	1.50—10.00
	ORCHIDS—Cattleyas	....—50.00	....—	....—	....—	....—	....—25.00
	Cypripedlums	....—	....—	....—	....—	....—	....—10.00
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	Inf'r grades, all colors	.75— 1.00	1.00— 1.50	....—	1.00— 1.50	.75— 1.00	.50— 1.00
	Standard Varieties: White	1.25— 1.50	1.50— 2.00	....— 2.00	1.00— 1.50	1.00— 2.00	1.00— 3.00
	Standard Varieties: Pink	1.25— 1.50	1.50— 2.00	1.00— 2.00	1.00— 1.50	1.00— 2.00	1.00— 3.00
	Standard Varieties: Red	1.50— 2.00	1.50— 2.00	1.50— 2.00	1.00— 1.50	1.00— 2.00	1.00— 3.00
	Standard Varieties: Yel. & Var	1.25— 1.50	1.50— 2.00	....—	1.00— 1.50	1.00— 2.00	2.00— 3.00
	*Fancy (The highest grades of standard var): White	2.00— 3.00	....— 3.00	3.00— 4.00	2.00— 4.00	2.50— 3.50	4.00— 5.00
	*Fancy (The highest grades of standard var): Pink	3.00— 4.00	....— 3.00	3.00— 4.00	2.00— 4.00	2.50— 3.50	4.00— 5.00
	*Fancy (The highest grades of standard var): Red	3.00— 4.00	....— 3.00	3.00— 4.00	2.00— 4.00	2.50— 3.50	4.00— 5.00
	*Fancy (The highest grades of standard var): Yel. & Var	3.00— 4.00	....— 3.00	3.00— 4.00	2.00— 4.00	2.50— 3.50	4.00— 5.00
	Novelties	....—	....—	....—	....—	....—	....— ....
	ADIANTUM	.50— 1.00	1.00— 1.25	....— 1.00	....— 1.25	1.00— 1.25	....— 1.00
	ASPARAGUS	40.00—50.00	....—	....—50.00	....—60.00	35.00—50.00	20.00—50.00
	CALLAS	8.00—10.00	10.00—12.50	....—10.00	10.00—12.50	8.00—10.00	4.00—10.00
	HYACINTHS	3.00— 6.00	2.00— 3.00	4.00— 7.00	4.00— 6.00	2.00— 5.00	2.00— 7.00
	LILIES	10.00—12.50	10.00—12.50	....—12.00	....—12.00	10.00—12.00	....—10.00
	LILY OF THE VALLEY	2.00— 4.00	....— 3.00	....— 4.00	....— 5.00	3.00— 4.00	2.00— 4.00
	MIGNONETTE—ordinary	2.00— 4.00	....—	....—	....— 2.00	1.00— 2.00	2.00— ....
	MIGNONETTE—fancy	....—	....—	....—	....— 3.00	3.00— 4.00	....— 6.00
	NARCISSUS	2.00— 4.00	....— 3.00	....— 3.00	....—	....—	1.00— 8.00
	SMILAX	10.00—12.00	12.50—15.00	....—15.00	12.50—15.00	12.50—15.00	15.00—25.00
	SWEET PEAS	1.50— 2.00	.50— 1.00	....—	....— 3.00	1.50— 2.00	....— ....
	TULIPS	2.00— 4.00	2.00— 4.00	3.00— 4.00	2.00— 4.00	2.00— 5.00	.75— 3.00
	VIOLETS	.20— .30	....— .25	....— .25	....— .50	.20— .50	.30— .75
	VIOLETS—special	.50— .75	.30— .50	....— .50	.75— 1.00	.60— .75	.75— 1.25

For Prices of Fancy and Special Stock see our Correspondence Columns.
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Chicago.

Florists' Club Meeting.

The regular meeting, held March 16, was very well attended, President Hartshorne in the chair. W. F. Timme and Frank Fisher, of Joliet; Charles Hughes and Martin Magnuson were elected members. Several exhibits were on the tables, the most interesting being 11 pots of hyacinths in bloom, grown by C. J. Strombaek, of Lincoln Park, from bulbs furnished last Fall from Mr. Larabee's grounds at Puget Sound, Washington State; grower, Mr. Canfield. The varieties shown were Marie, King of the Blues, Gertrude, General Pelissier and Norma. They were stout, strong flowers, most of them having two open spikes, and several with three or four others showing. An example of one of the same varieties, imported, exhibited by A. McAdams, although from first-class bulbs, was inferior to the American-grown. B. D. Kapleyn, a bulb man from the other side, being present, was appointed on the committee on examination. He admitted he was surprised to see so fine a class of bulbs. On the question being asked as to the multiplicity of flowers, Mr. Kapleyn remarked that in his opinion the bulbs were one year too old and that experienced bulb growers were required to grow the bulbs to the best advantage. He said two kinds of soil were necessary—the first year a heavy soil, and the second, a lighter, sandy soil. The kinds shown were the easiest to grow, and he doubted if the same success would be obtained with some of the more important varieties. Andreas Simon being present told of the conditions as to soil, growth, etc., at the Sound. The club voted a certificate of merit for the exhibit.

From the Chicago Carnation Co. came four of their seedling carnations, No. 44, a fine-built scarlet, 3½ inches in diameter. It scored 86 points and received a certificate. No. 82, white ground, lightly striped red, scored 88; also certificated. No. 64, a quite conspicuous salmon red variegated, scored 70; Chicot, a light striped on white ground, scored 64 points.

Albert Fuchs sent two flowers of a deep pink sport of Daybreak.

John Reardon exhibited Western King chrysanthemum in a pot, having five open flowers and one bud, the blooms being of fair size, but short in stem.

Geo. T. King, of Nicholson's Dictionary of Gardening fame, was present and made a few remarks.

The subject selected for next meeting is "Plants and Flowers for Easter," George Asmus and J. T. Kidwell being requested to open the discussion.

Among the Growers.

Samuel J. Pearce will this year have a fine lot of lilies for Easter. A few Harrisii of the earlier crop are still flowering, but those for Easter are mostly longiflorum. The disease has not been prevalent with him. He also this year has a batch of Ramblers and hybrid roses that at present look promising. His bulb stock generally has returned a better average price this year than last, but he did not grow so many. A house of callas has paid well, and is still flowering.

August Juergens has not been so successful with his lilies as is usual with him. He grows a great many bulbs, including valley, and so arranges the crops as to have regular cuts all Winter through.

Round About.

O. W. Frese, who left the wholesale for the retail business, establishing the Bay State Floral Co. on State street, has returned to the wholesale branch as managing salesman for George Reinberg's city place, at 51 Wabash avenue. H. C. Frese, his brother, now owns and runs the retail store at 73 State street.

At 5:30 Monday morning fire broke out at Charles T. Niegliek's retail store; cause unknown. The damage done was not extensive. Insured for $1,000.

State of Trade.

Although a cold, wintry week the thermometer on the 15th reaching zero (very rare for these parts), stock generally has kept well cleared off at good prices; in fact, some of the dealers complain of too few Bride and Bridesmaid roses to supply the demand. Violet stock is abundant, and prices even for the best quality are very low. This week opens more favorably. Monday morning white carnations were much called for, and not in sufficient supply for the demand, hence prices again stiffened. Sweet peas are scarce and in demand.

Later, all kinds of carnations appear to be short, but white especially so.

Ess.

St. Louis.

Market News.

In the early part of the week it looked as if the long-looked for glut was about to arrive; stock came in in much greater quantities than common. A spell of low weather set in, but with quite a brisk demand the surplus was cleared out, the only stock in over-supply being Bridesmaid and Meteor roses. Beauty sells at 5c. to 35c. each. Carnations, supply rather short, go at 2c. to 4c. Carnations have sold remarkably well this Winter. Bulb stock, with Dutch hyacinths a little too plentiful, is worth 2c. to 3c. Harrisii lilies, few in the market, bring 10c. to 12½c.; valley, 3c.; violets, 30c. per 100. Large quantities of the latter are on the market, the crop from cold frames now being in. St. Patrick's Day the demand was excellent. The last of the week white stock was quite scarce.

The street fakirs, of which there have been very few here this Winter, are asking 5c. each for very indifferent-looking carnations.

After several days of almost hot weather, which made everybody think Spring was here for good, it suddenly changed around to cold, the thermometer going as low as 10 degrees. Indications are for a very good trade in nursery lines—we think better than for some years past.

Notes.

S. S. Skidelsky is in town and reports business very good, especially in sales for The Marquis carnation, which he is handling.

The millinery stores are all having their Spring openings this week, which help out those who cater to that trade.

J. J. Beneke, treasurer of the euchre party, requests those having tickets to make their returns to him at an early date.

H. G. Ude, of Kirkwood, reports his violets through blooming, and while his carnations have done well, violets have paid him best. Mr. Ude makes a specialty of these two things, and his products are among the best that come to this market.

C. C. S.

Germantown (Pa.) florists and others in that district have recently been victimized by bogus-check swindlers.

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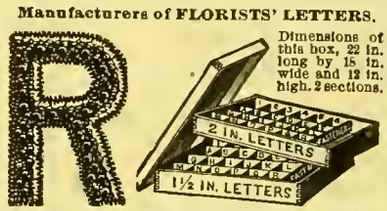

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2½ in., "	3 35	5 in., "	10 80
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1000 3 " "	5.00	48 10 " "	4.80
800 3½ " "	5.80	24 11 " "	3.60
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FOR FLORISTS

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Odorless Lawn Dressing.

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Hot Bed Sash. Red Cedar Posts.

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Insures 11,500,000 sq. ft. of glass and has $6,800.00 Reserve Fund. For particulars address

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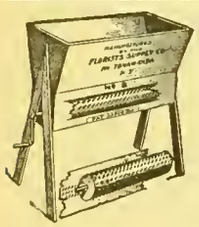

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You can regulate it. Send for list of testimonials. Pat. allowed Feb. 25, 1900. No. 1, $5.00; No. 2, $10; No. 3, $20.

The Florists' Supply Co.

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It Would Look Better!



More homelike, if your lawn were neatly fenced. This HARTMAN STEEL ROD LAWN FENCE with steel posts is most durable, handsome and cheap. Look into the matter. Illustrated catalogue free.

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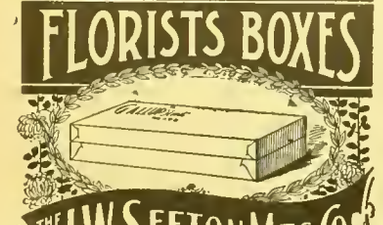

THE J.W. SEFTON MFG. CO.
241-247 S. JEFFERSON ST.
CHICAGO, ILL.

Mention the Florists' Exchange when writing.

New Orleans, La.

The general depression in business during Lent is noticeable. We are right into Spring and not so much planting is going on as usual. We have had a fair, open Winter, with just enough frost to keep things back. Fruit will be plentiful this year. Spring plants are in full bloom; and a few weeks from now we will bed out crotons, caladiums, etc. This Spring has been dry up to date.

Our Mardi Gras lasted one week this year. Most of our florists report that trade was only fair. We had thousands of visitors, but few of them spent much money in flowers; at the same time there must have been a big lot of flowers shipped here.

Our State Fair promises to be a success, most of our florists will take part in it. Liberal prizes are offered. Any one having anything to introduce in the South should take this opportunity of doing it. All plants and flowers will be looked after by the committee in charge. We are to have another grand floral parade this year at the fair; artificial flowers will be used.

J. B. Heiss, of Dayton, Ohio, took in Mardi Gras and was very pleased with his first visit. He stayed here two weeks and took many orders. He said plants ought to be shipped from the South to the North, instead of vice versa.

H. P.

St. Paul.

Trade News.

The Winter, which was very mild at the beginning, seems long drawn out. Jack Frost has been very much in evidence of late—16 below zero, with a strong northwest wind, being the record on Friday night, March 16.

Trade has been very good since New Year's, though the lack of snow and its accompanying enjoyments seem to have deprived society of much of its usual life and the florists of some possible trade.

Flowers have been of fair quality and in quantity nearly equal to demands. Gradually the growers are beginning to raise what the trade demands, though there is still a shortage of good roses, especially Beauty, and of carnations. While there has been a fair supply of Romans, Paper Whites, daffodils and valley, but very few Dutch hyacinths and tulips have been forced this season. The tendency is to do away entirely with Dutch bulbs.

Easter stock is looking fine, and will be abundant for all demands. Coming late this year gives stock ample time to develop, and delayed Harrisii should be in good shape.

Considerable building has already been projected for the coming Summer, the high price and scarcity of glass deterring many from building who otherwise would.

There is a great abundance of violets now on the market, and prices have dropped correspondingly low; 30c. per 100 has been the figure in large lots.

The annual Spring-time flood of travelers has arrived, bringing the following gentlemen and others whom we do not now recall: Mr. Scott, with J. C. Vaughan; Mr. Schucht, representing C. C. Pollworth; Walter Mott, Mr. Goemans, of Ghent; Jos. Rolker, A. L. Vaughan, et. al.

Jottings Here and There.

The Twin City florists gave a very enjoyable hop and entertainment in this city a few weeks since. Such gatherings are conducive to good feeling and should be held much more frequently.

Our local Florist Society seems nearly dead; more's the pity.

Several of our progressive growers are purchasing new carnations and Liberty rose for next year's blooming. Frank Berry, of Stillwater, has been sending in some of the finest Jubilee ever seen in this section, with stems 30 to 36 inches long, and blooms 2½ to 3 inches in diameter, of a clear, scarlet color. When such fine flowers can be grown it is almost needless to look for any better. In the new varieties, Crane will be planted more extensively than others, while Maceo, White Cloud, Crocker, Olympia and Marquis will also be given a trial.

Harrisii lilies are freer from disease than in many years past.

Aphis Punk has been used by some of the growers with very gratifying results, the only objection to it being its cost.

VERITAS.

ORMSBY'S VENTILATING SYSTEM

MELROSE, MASS.

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Evans Improved Challenge

Roller bearing self-oiling device automatic stop, solid link chain makes the IMPROVED CHALLENGE the most perfect apparatus in the market.

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For Greenhouses, Graperies, Hotbeds Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

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FOR GLAZING GREENHOUSES.

Proven superior to putty. Easier to apply and stays on. Not affected by extremes of weather. Endorsed by prominent florists. Send for descriptive circular of Mastica and Mastica Glazing Machines.

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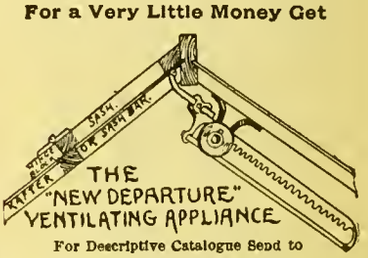

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Guaranteed for 10 years. Has a solid wheel and shaft cast in one (malleable iron). No slipping on Line Shaft as the case with all others. Catalogue free.

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Send for estimates on

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IMPROVED CAST IRON GUTTER.

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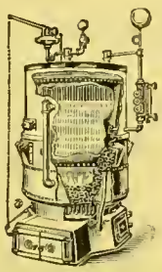
Gorton Side Feed Boiler



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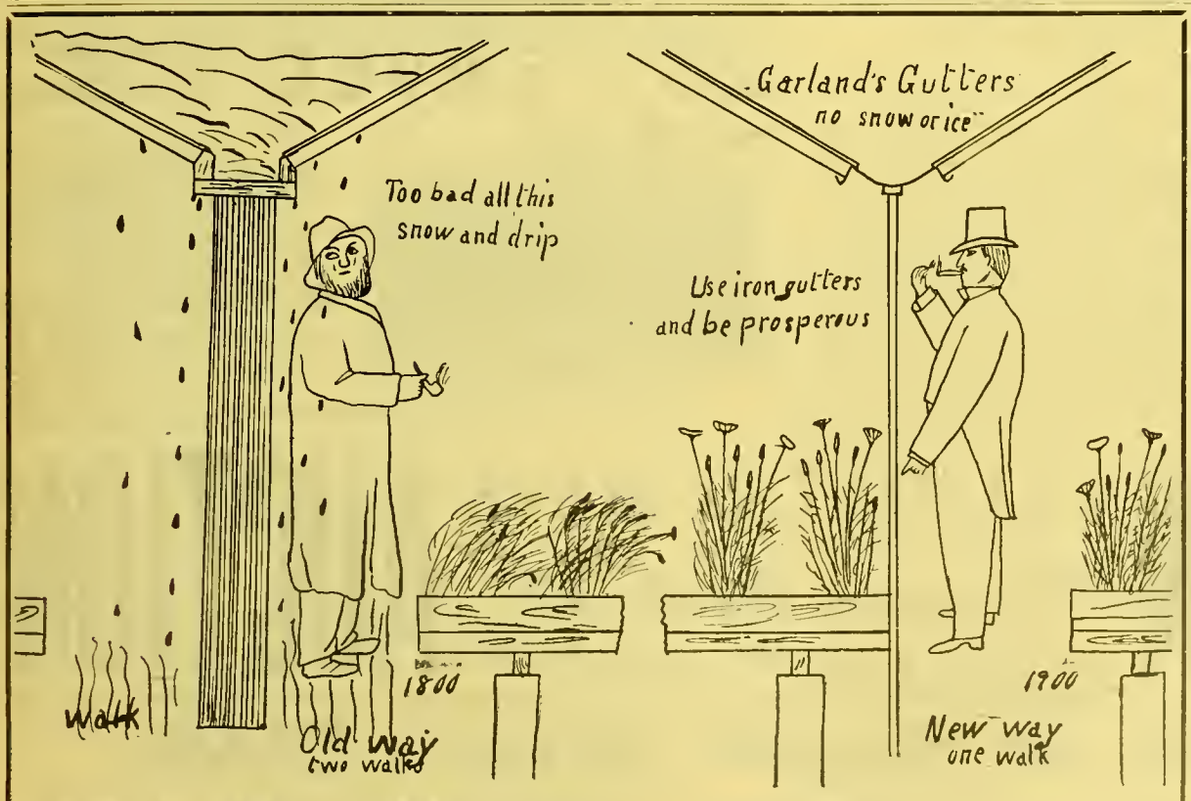

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Stems, fresh packed, bale or case of 300 lbs., $1.50.
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Send your list for prices.

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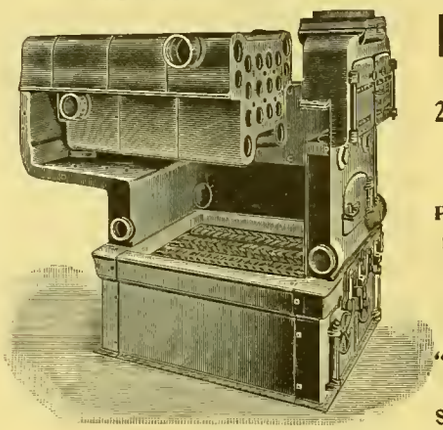

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See Advt. page 284, issue of March 17th.

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The plants dealt with comprise those which are commercially handled by Florists, Gardeners and Nurserymen, and include **Florists' Flowers, Stove and Greenhouse Plants, Hardy Herbaceous Plants, Annuals, Shrubs, Hardy and Tender Vines,** and a chapter on miscellaneous subjects in connection with the above.

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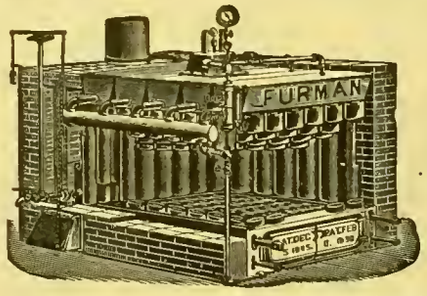

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Semple's True Branching, mixed, ¼ oz., 20c.; per oz., 50c.; per lb., $5.00.
Semple's True Branching, shell pink, white and red, ¼ oz., 25c.; per oz. 75c.
Florists' Choice Mixed, our own blending, of the most desirable sorts for cutting, per ⅛ oz., 25c ; per oz., $1.50.
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Queen of the Market, the earliest Aster and fine for cutting. Separate colors: white, red, crimson, rose, dark blue and light blue, per ¼ oz., 20c.; per oz. 50c.

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Plumosus Nanus, trade pkt. (25 seeds), 3 5c.; per 100 seeds, $1.00; per 1000 seeds, $9.00.
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Tall Mixed, per oz., 10c.; per lb., 35c.; per 100 lbs , $30.00.
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Johnson & Stokes' Kingly Collection or Mixed. This superb strain cannot be surpassed for size, substance of flowers, and richness of colors, per ⅛ trade pkt., 30c.; trade pkt., 50c.; per ¼ oz., $1.50; per oz., $5 00.

GLOXINIAS, choice mixed, per doz., 50c.; per 100, $3.00; per 1000, $27.50.
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Tuberous Rooted, single, separate colors, per doz., 40c.; per 100, $2 50.
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Tigrinum (Tiger Lily), per doz., 50c.; per 100, $2 75.
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Crocus Maeflora, fine for cutting, yellow and crimson, per doz., 10c.; per 100, 6 c.; per 1000, $5 00.
Pottsii, orange and red, per doz., 10c.; per 100, 50c.; per 1000, $4.50.

OXALIS, summer flowering, mixed colors, per doz., 10c.; per 100, 35c.; per 1000, $2 50.

SPOTTED CALLAS, (Richardia, Alba Maculata), per doz., 40c.; per 100, $2.75.

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No. 1, Double Pearl, extra large bulbs, per 100 75c.; per 1000, $6 50.
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Choice Mixed, No. 1 bulbs, per 100, $1.00; per 1000, $8.00.
Choice Mixed, No. 2 bulbs, per 100, 75c.; per 1000, $5.50.

BEGONIA REX.

Fine strong plants, 2½ in. pots, in following choice sorts: Whittier, Indianapolis, Lesoudsii, Magnificata, Mystery, and Elegans, per doz., 75c.; per 100, $5.00.

Send for New Wholesale List for March.

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217 and 219 Market St., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

THIS WEEK

You will find our advertisement on page 325.

Elizabeth Nursery Co., Elizabeth, N. J.

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The most practical treatise on this interesting subject ever written.

ONLY 10 CENTS. Published by

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Our Wholesale Price List of

Choice Flower Seeds

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LILY OF THE VALLEY PIPS

The finest that come to this country: per 1000, $10.00. Cases of 3000 at $9.00 per 1000.

J. M. THORBURN & CO.

(Late of 15 John Street)

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JAPAN LILIES — Auratum, Rubrum, Album

We have a good stock of these bulbs, which are scarce this season.
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CALADIUM ESCULENTUM Clean, sound bulbs, 5-7 in., $3.00; 7-9 in., $4.50; 9-12 in., $8.00. Lots of 250 at 10 per cent. lower.

ASPARAGUS PLUMOSUS NANUS. We are Headquarters for best American grown seed. Per 100, $1.25; per 1000, $9.00; 3000 for $25.00.

ASPARAGUS SPRENGERI Per 100 seeds, 60 cts.; 250 seeds, $1.25; 1000 seeds, $5.00; 3000 seeds, $13.50.

TUBEROSE BULBS Excelsior Dwarf Pearl, Mammoth bulbs, 6 to 8 in., $1.25 per 100; First size bulbs, 4 to 6 in., $1.00 per 100; $7.00 per 1000 (3000 for $20.00); Medium size bulbs, 3 to 4 in., 50 cts. per 100; $3.00 per 1000.

New York—VAUGHAN'S SEED STORE—Chicago

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SPRING 1900

Special Plant, Seed and Bulb Offer

KEEP THIS FOR REFERENCE.



JUST RECEIVED FROM JAPAN.

This stock not coming from Japan in time for Xmas, we advise you to buy **ahead** now all you can, to be ready for Easter as well as for Xmas with this favorite. We offer:

FERN DESIGNS So much admired, and bring **FANCY PRICES.**

WE OFFER

Triangles, Parrot Rings, 40c.
Turtles, Flying Cranes, Pigeons, 60c.
Chinese Lanterns, large, fine, 75c.
Monkeys, Pagodas, Houses, $1.00.
Large Boats, with full rigged **Latin Snil,** a great seller, $1.50.

Be quick to secure these.

FERN WREATHS Hang up same as balls—

	Each	Doz.
8-9 in	$0.40	$4.00
10-12 in	.50	5.00

DOUBLE FLOWERING JAPAN CHERRY.

This charming Easter plant is a great seller. **ORDER QUICK.** In twisted **Fancy Shapes,** 50 cts. each; $5.00 per dozen.

GOOD. BULBS. GOOD.

Order soon, as **Stock** is scarce this year.

		Doz.	100
Lilium Auratum,	8-9 in	$0.60	$4.60
" "	9-11 in	1.00	7 00
" Rubrum,	6-8 in	.40	2.50
" "	8-9 in	.60	4.00
" "	9-11 in	.85	6.00
" Album,	8-9 in	.75	5 50
" "	9-11 in	1.00	7 00
" Melpomene,	8-9 in	.75	5.00
" "	9-10 in	.85	6 00

FINE FOR CUT FLOWERS—	Doz.	100
Lilium Batemanni, salmon color	$0.50	$3.50
" **Coridion and Concolor,** red and yellow	.40	2.50
Hemerocallis Aurantinca Major	1.50	10.00
Iris Kæmpferi, all colors, extra strong clumps, 1-2 in	1.00	7.50

BEGONIAS—TUBEROUS ROOTED, in five separate colors. **Single,** 40 cts. per doz.; $2.50 per 100. **Double,** 1-2 in., 65 cts. per doz.; $5.00 per 100.

GLOXINIA CRASSIFOLIA ERECTA Choicests sorts, 1-2½ in., 45 cts. per doz.; $3.00 per 100.

GLADIOLI Bona-fide Mixture of choice colors, large percentage, white and light, 1¼-1½ in., 75 cts. per 100; $6.00 per 1000. 1½-2 in., $1.00 per 100; $8.50 per 1000.

CANNAS Chas. Henderson, F. Vaughan, Flamingo, Mme. Crozy, Queen Charlotte, Burbank, Austria, large, fine roots, at $2 00 per 100. Mlle. Berat. Papa, Comte de Bouchard, A. Bouvier, Gloriosa, P. Marquant, Sec'y Chabanne, $3.00 per 100. Pres. McKinley, Pres. Cleveland, Columbia, Eldorado, L. Vaughan, Mrs. F. Rogers, Souv. A. Crozy, $4.00 per 100. Giant Crimson, Cuba, $5 00 per 100.
We send you only large, plump, fine roots, no shrivelled, small stuff.

CALADIUM ESCULENTUM BULBS. All with fine, sound center shoots—

	Doz.	100	1000
5-7 in	$0.35	$2.50	$20.00
7-9 in	.60	4.00	35.00
9-11 in	1.00	7.50	

SPECIAL OFFER To close out: A few bbls. of A No. 1 stock **EXCELSIOR PEARL TUBEROSES,** 4-6 in., 1000, $5.75; 3000, $17.50. This offer only as long as this stock lasts. **Be quick.**

SEEDS.

We want to sell out this season's Seeds of the following, and have reduced prices considerably for a few thousand of

	100	1000	5000
Asparagus Plumosus Nanus	$0.90	$8.00	$37.00
" Sprengeri	.50	4.00	17.50
Cocos Weddelliana, 75 per cent. germination	.60	5.00	
Latania Borbonica	.25	1.75	7.50

THE ABOVE STOCK IS LIMITED and we ask for quick orders.

SWEET PEA SEED In all favorite sorts, representing all leading varieties: Blanche Burpee, Extra Early B. Ferry, E. Henderson, Boreatton, Butterfly, Countess of Radnor, Prima Donna, Monarch, Mars, Capt. of Blues, Her Majesty, Lottie Eckford, Countess of Aberdeen, Queen Victoria Primrose, and many others. Crop 1899. Per lb., 30 cts.; 5 lbs., $1.25; oz. of each variety separate, 5 cts.

ECKFORD'S CHOICEST HYBRIDS Per lb., 20 cts.; 5 lbs., 75 cts.

SEMPLE'S ASTER SEED In pure white, rose, crimson, lavender, purple, separate or mixed, Pkt., 15 cts.; oz., 60 cts.

STOCKS—GIANT PERFECTION Benary's finest strain, in separate colors, pure white, rose, light or dark blue, crimson, brick red, Pkt., 20 cts.; oz., to close out, $1.50.

VERBENA MAMMOTH Choicest mixture, pkt., 15 cts.; oz., 50 cts.

PETUNIA GRANDIFLORA RUFFLED GIANTS Pkt., 25 cts.
HYBRIDA, Striped Giants, pkt., 25 cts.

PANSY SEED—NEW CROP Our Prize Mixture, including all colors from pure white, blue, red, bronze, yellow, brown, to darkest purple and black; fair percentage of Bugnot, Cassier, and Trimardeau. 1000 seeds, 25 cts.; 5000 seeds, $1.00.
Try it, you will want more.

PRIMULA SINENSIS FIMBRIATA Just received—

	100 Seeds	1000 Seed
Pure White, Rose, Crimson, Blood red	$0.25	$1.75
Cœrulea, TRUE BLUE	.30	2.00

CYCAS REVOLUTA—DUE APRIL.

Order now if you have not done so. Small sizes will be scarce.

We are now booking orders for:
LILIUM HARRISII, FREESIAS, BERMUDA OXALIS. July delivery.
ROMAN HYACINTHS, NARCISSUS, CALLA, ETC. August delivery.
LILIUM LONGIFLORUM, Japan-grown. September and October delivery.

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Steme, fresh packed, bale or case of 300 lbs., $1.50.
Dust, fresh ground.....100 lbs., $2.25. 200 lbs., 3.50.
Extract .....gallon, $1.25; 5 gallons, 4.25.
Nikoteen .....$1.50 per plat; 5 plats, 7.00.
Soap .....30c. per lb.; 25 lbs., $5.00.
Full line of Insecticides and Appliances.
SEND FOR CATALOGUE.
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C. B. LODER, Sec'y, 271 Broadway, New York.
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STANDARD FLOWER POTS!

Packed in small crates, easy to handle.

	Price per crate		Price per crate
150 0 2 in. pots in crate,	$4.88	120 7 in. pots in crate,	$4.20
150 0 2½ " "	5.25	60 8 " "	3.00
150 0 2½ " "	6.00	48 9 " "	3.60
100 3 " "	6.00	48 10 " "	4.80
80 0 3½ " "	5.80	24 11 " "	3.60
50 0 4 " "	4.50	24 12 " "	4.80
32 0 5 " "	4.51	12 14 " "	4.80
14 4 6 " "	3.16	6 16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.
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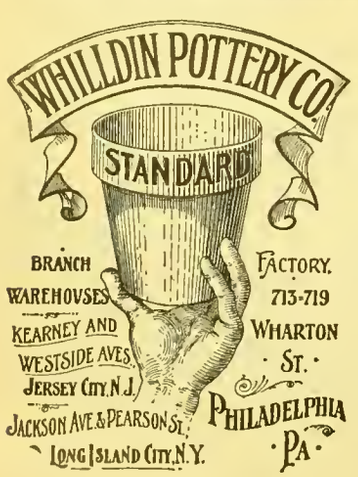

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To Earn Pin Money

by selling TOCACCO WHALE OIL SOAP and TOBACCO DUST during their leisure moments; have them send for my sample outfit, postage prepaid. A Bicycle in addition to a commission to boy selling largest quantity of TOBACCO WHALE OIL SOAP by July 1st. If he does not want a bicycle, I will give him his choice of any article that can be purchased for $25.00. Should a tie occur the prize will be divided equally.
Winner's name in this paper first week in July.

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COMBINING the qualities of an absolute insect exterminator with those of a vigorous fertilizer. Recommended and in use by the foremost florists and nurserymen in the land. For Sale at the Seed Stores.
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Purest and cleanest sheep manure on the market. Write for prices and samples. Place orders now.
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For Sale by Seedsmen. For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.
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MADE FOR MY OWN USE AND THE USE OF OTHER FLORISTS WHO WANT A GOOD ARTICLE. TRY A BAG AND BE CONVINCED. $3.50 PER 200 LB. BAG AND $35.00 PER TON.
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"NICOMITE"
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Vapor Insecticide
POWDER.
No labor required. Harmless to bloom and foliage. A certain killer of
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100 lb. bag....$1.75 ½ ton.....$14.50
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Odorless Lawn Dressing.
Terms, Cash with Order.
RED TOWERS GREENHOUSES,
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Nursery Stock

can be made more profitable by forcing rapid growth so as to bring the trees into market *a year earlier*. This is done by the judicious use of

Nitrate of Soda

in combination with other agricultural chemicals upon the young trees. Rapid, healthy and certain growth assured. Try it. Write for free pamphlets to **John A. Myers**, 12-F John St., New York. *Nitrate for sale by fertilizer dealers everywhere.*

Write at once for List of Dealers.
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TOBACCO STEMS AND DUST
Guaranteed Extra Strong and Fresh

STEMS, BALES, 200 to 500 lbs.....70 cts per 100.
DUST, packed, 25, 50, 100, 250 lbs.....2½ cts. per lb.
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ELECTRIC FERTILIZER

This product is a complete fertilizer for all Greenhouse Plants, Fruits, Vines, Flowers and Farm Plants. Ten days after use it will show its beneficial nourishing action on the plants, and it contains ingredients which will continue to benefit the plants for a whole year.
PRICE, $38.00 per ton. Single Bags of 167 lbs., $3.50.
The results obtained from the use of Electric Fertilizer on both flower and vegetable plants surpassed by far my expectations. After a thorough trial I sincerely recommend it to all Florists, Gardeners and Farmers
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PRINCIPAL AGENT FOR THE ELECTRIC FERTILIZER.
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SLUG-SHOT KILLS THE INSECTS
In the Garden or Greenhouse, Quickly, Safely and Cheaply.



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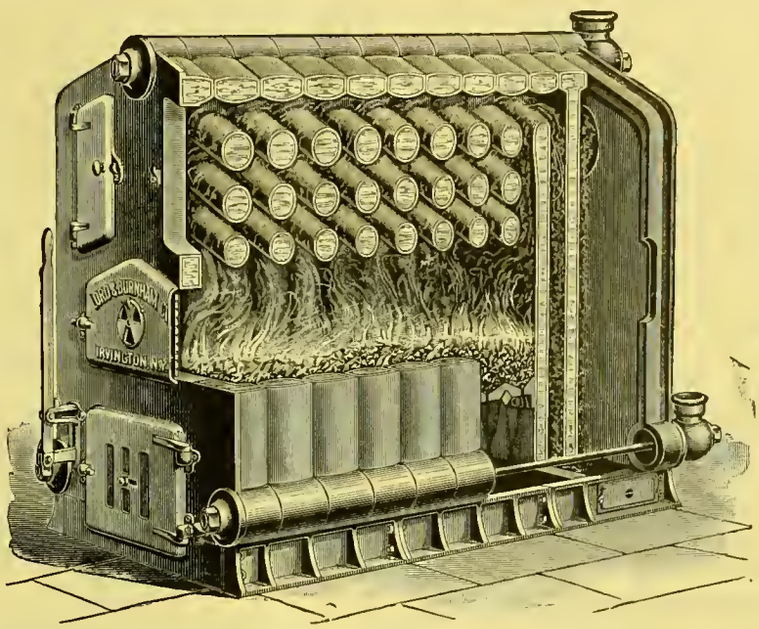

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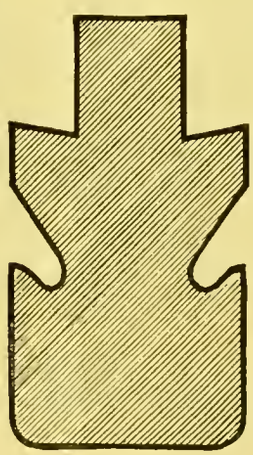

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Especially Adapted for Commercial Ranges.

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CALIFORNIA PRIVET, HYDRANGEA P. G., H. P. ROSES,

And a general assortment of **HARDY NURSERY STOCK.** Write for prices. It will pay you.

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LARGE ELMS ALTHÆAS VIBURNUMS

And Other Ornamental Stock.
SEND FOR PRICE LIST.

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AMPELOPSIS VEITCHII 2 year, strong, per 100, $7.00.

	Per 100
Clematis Jackmanii, 2 year, extra strong	$14 00
Standard Hydrangea, P. G., 3-3½ ft.	18.00
Standard Lilacs, assorted, 3-4 ft.	10.00
Standard Japan Snowball, 3½-4 ft.	18.00

These prices are good only till surplus is reduced. **Send for list of other stock.** Roses, Herbaceous Plants, Ornamental Trees, Small Fruit and Fruit Trees

Jackson & Perkins Co., Newark, New York.

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LETTUCE Boston Market, Tennis Ball, Curled Simpson, Grand Rapids, and other vars., 15c. per 100; $1.00 per 1000; $8.50 per 10,000; if by mail, add 10c. per 100.

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PEPPER Small plants for transplanting, in several varieties, 25c. per 100; $2.00 per 1000. If by mail, add 10c. per 100.

EGG PLANTS New York Improved for transplanting, 25c. per 100, $2.00 per 1000.

CELERY Golden Self Blanching and White Plume, 15c. per 100, $1.00 per 1000

Other vegetable plants in season. Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.

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FRUIT and ORNAMENTAL TREES,

Shrubs, Vines and Roses.

Write for price list or send your lists of wants for special prices.

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SCARLET MAPLE
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Handsome Trees, 5 to 8 feet, $10.00 per 100.

Sugar Maple, 6 to 8 feet..... $6.00 per 100
Sugar Maple and **Larch.,** 4 to 6 ft.. 40.00 per 1000

Send for Trade List.

Jenkins Evergreen & Seedling Nursery,
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STRAWBERRY and other SMALL FRUIT PLANTS
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Strawberry plants, such as Michel's, Tennessee and Earliest at 40c per 100, $1.50 per 1000; Wm. Belt, Gandy, Bubach, Haverland, Kentucky, Glen Mary, Marshall, Lovett, Eclipse, Greenville, Champion England, Pride of Cumberland, Carrie, Clyde, Hall's Favorite, Lady Thomson, Bismarck, Cumberland, Seaford and some others at 50c. per 100, $2.00 per 1000; Nick Ohmer, $1.00 per 100, $4.00 per 1000; Pres. Lincoln, $1.00 per 100.

Asparagus Roots, strong, 2 year, Conover's, Colossal, Palmetto and Barr's Mammoth, $1.00 per 100; $4.00 per 1000.

10,000 Kansas (black) Raspberry, 75c per 100; $4.00 per 1000; $7.00 per 2000. Other Raspberries, Blackberries etc., Peach and other fruit trees. For price list address

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Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.

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Leading American Nurserymen, offer one of the Most Complete Assortments of
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46 Years. 44 Greenhouses. 1000 Acres. Correspondence Solicited. Catalog Free.

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OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

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100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogues on application. Send estimate of wants for prices.

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NORWAY MAPLES.	Per 100	SILVER MAPLES.	Per 100
1½-1¾ in. cal., 10-14 feet	$35.00	1¾-2 in. cal., 12-14 feet	$25.00
1¾-2 " " 12-16 "	60.00	2-2¼ " " 14-18 "	35.00
2-2¼ " " 14-18 "	90.00	2¼-2½ " " 15-18 "	50.00
2¼-2½ " " 16-19 "	110.00	2½-3 " " 16-20 "	75.00
		3-3½ " " 18-21 "	100.00

These are grown wide apart, have good fibrous roots, straight trunks, single leaders, symmetrical tops. CAR LOTS.

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I HAVE A FINE STOCK OF PEARS, APPLES, CHERRIES, QUINCES, PEACHES, PLUMS, many in bearing sizes; **20,000 SHADE TREES,** all kinds and sizes; **500 LINDENS,** 10 to 16 feet; **300 GOLDEN OAKS,** 8 to 16 feet; **15,000 EVERGREENS,** 2 to 10 feet; **10,000 SHRUBS,** 2 to 5 feet; **20,000 CALIFORNIA PRIVET,** 2 to 4 feet; **2000 COLORADO BLUE SPRUCE,** 2 to 4 feet; **3000 ARBOR VITÆ TREES,** 2 to 7 feet; **10,000 HARDY ROSES,** Crimson, Yellow and White Ramblers, x strong, own roots; **1200 PURPLE BEECH,** 4 to 9 feet; **CLEMATIS,** x-strong, **GRAPE VINES, ASPARAGUS, RHODODENDRONS, AZALEAS,** 2 to 3 and 4 feet. Florists, Landscape Architects, Superintendents of Parks, or any others wanting stock should call on me or write.

STEPHEN CRANE, Prop. Norwich Nurseries, **Norwich, Conn.**

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TREES Fruit Trees, Small Fruits, including grapes. Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

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CLEMATIS PANICULATA

From frames. Ready for potting or planting out in Nursery. . . .

$8.00 per thousand.

Sample 10, by mail 10 cts.

ELM CITY NURSERY CO., - - New Haven, Conn.

WANTS== We want prices on **Hardy Phlox, Japan Iris, Dahlias, Cannas,** and **California Privet.**

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TREES Evergreens, Shrubs, Roses and the best Herbaceous Plants. Reliable stock at low prices. Specialties: Japan Maples, Hardy Azaleas, Rhododendrons, Rosa Rugosa, Etc. Catalogues Sent.

FRED'K W. KELSEY, 150 Broadway, New York.

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The BEAUTIFUL and RARE **AZALEA (Rhododendron) VASEYI**

Introduced by us, is planted by thousands in Franklin Park, Boston, Prospect Park, Brooklyn, and other leading parks of America. A mass of pink and white flowers in early spring. Unequalled in Cemetery Work. It can be seen now in every large cemetery.

Strong Budded Plants { 18 to 24 ins., $15.00 per 100. 2 to 3 ft. 35.00 " 3 to 4 " 50.00 "

Many new and rare species of Hardy American Plants and Carolina Mountain Flowers. Wholesale Catalog to Park and Cemetery Officials and the trade generally.

Correspondence Solicited. Address

Proprietor HIGHLANDS NURSERY, Kawana, North Carolina. **HARLAN P. KELSEY, Tremont Building, Boston.**

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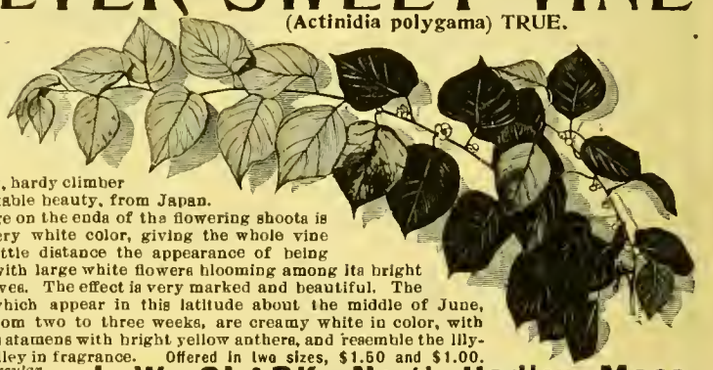
SILVER-SWEET VINE
(Actinidia polygama) TRUE.



A new, hardy climber of remarkable beauty, from Japan. The foliage on the ends of the flowering shoots is of a silvery white color, giving the whole vine from a little distance the appearance of being covered with large white flowers blooming among its bright green leaves. The effect is very marked and beautiful. The flowers, which appear in this latitude about the middle of June, lasting from two to three weeks, are creamy white in color, with numerous stamens with bright yellow anthers, and resemble the lily-of-the-valley in fragrance. Offered in two sizes, $1.50 and $1.00.

Send for Circular. Discount to the trade. **J. W. CLARK, North Hadley, Mass.**

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BEFORE PLACING ORDERS **SECURE OUR PRICES** ON ALL LINES OF STOCK.

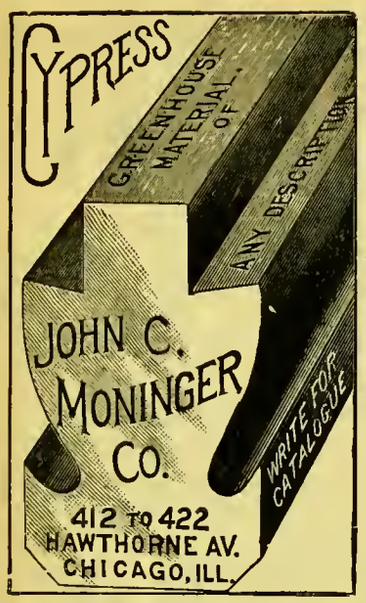
THE SUGAR MAPLE

Is a beautiful tree at all seasons, and no better variety can be used for **Street, Park,** or **Lawn Planting,** as its growth is rapid and straight, its form symmetrical, and it does not have the objectionable density of foliage possessed by the Norway Maples. For this reason it is well adapted for planting near buildings, as it does not obstruct light or air, and being **deep rooted the grass will grow up to its very trunk, which is a very strong point in its favor.** No tree has more gorgeous Autumn coloring, as it varies in all shades of yellow, orange and scarlet until the leaves finally fall. It was a sagacious popular instinct which selected this as one of our best trees for ornamental planting, and in some of the old places on the Hudson River long avenues were planted with it three quarters of a century ago, and they are now worth a long journey to see. We have an extra large stock of magnificent trees, many times transplanted, which we know offer at the following low prices:

		10	100	1000
10 to 12 ft. in height,	1¼ to 1½ inches in diameter	$5.00	$33.50	$290.00
12 to 14 ft. "	1½ to 1¾ " "	6.00	35.00	300.00
14 to 15 ft. "	1¾ to 2 " "	10.00	75.00	500.00

ANDORRA NURSERIES WILLIAM WARNER HARPER, Prop., Chestnut Hill, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.



Mention the Florists' Exchange when writing.

IMPROVED GREENHOUSE **GLAZING POINT**

A sure preventive of glass slipping; effective on large or small glass; zinc, will not rust, last forever; easy to drive and easy to extract. **Two sizes**, ⅝ and ⅞ in. long. One pound packages **40 cts.** 1440 points ⅝ in. size, 1040 points ⅞ in. size, in a pound. By mail, 16 cts. per lb. extra.

For Sale by the Trade.

CHAS. T. SIEBERT, Man'f'r, Pittsburg Pa.

Mention the Florists' Exchange when writing.

HARTMAN STEEL ROD PICKET FENCE

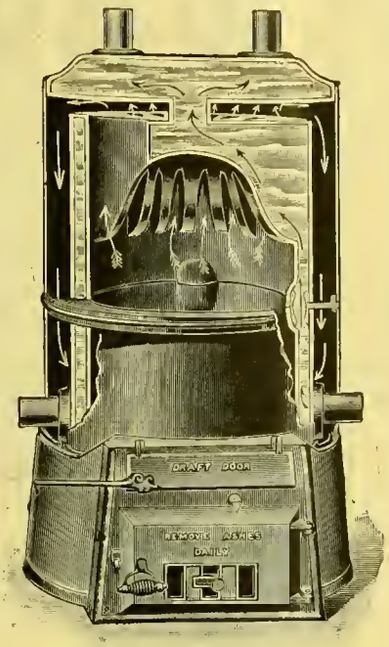


fills completely all fence requisites as to beauty, utility and durability. Specially designed for lawns, parks, cemeteries, school grounds, &c. Looks best and is best when built with our steel posts. Illustrated catalog free.

HARTMAN M'F'G CO., Box 70, Ellwood City, Pa.
Or Room 80, 809 Broadway, New York City.

Mention the Florists' Exchange when writing

YOU CAN'T TELL



how much money is lost by using a poor boiler until you compare its work with a good one. A poor boiler wastes fuel and time, and is the cause of a large decrease in the profits of a florist's business.

POOR BOILERS

are innumerable, while good ones are scarce. That our boilers are good is proved by the testimoney of those who have used them and compared them with others. They are modern, up-to-date, and with little fuel produce great heat. They are made in all sizes and many styles, but they are

ALL GOOD.

We favor florists to this extent, that we know one boiler set in a town where none are in use will sell many others, and to introduce this first boiler we will make a special allowance of

25 PER CENT. on the net price. The

FLORISTS PROFIT by this,

but we profit also by using no more advertising in that town. The boiler advertises itself and we sell many others.

Our catalogue "A" explains everything and tells by original letters what purchasers have found our boilers capable of doing. The amount saved will pay for more than one year's fuel.

GIBLIN & CO., UTICA, N. Y.

Mention the Florists' Exchange when writing.



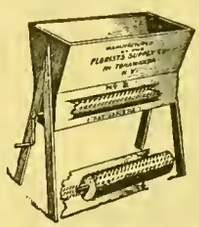
Standard Ventilating Machine

...HAS POSITIVELY NO EQUAL FOR...

STRENGTH, DURABILITY and NEATNESS.

Guaranteed for 10 years. Has a solid wheel and shaft cast in one (malleable iron). No slipping on Line Shaft as the case with all others. Catalogue free.

Mention this paper. **.....E. HIPPARD, Youngstown, Ohio.**

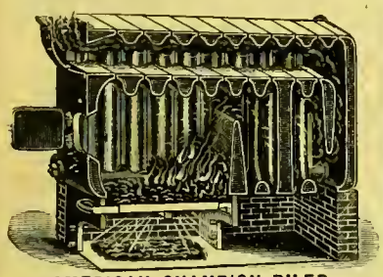


Hundreds of Florists ARE USING OUR **PULVERIZERS**

You can regulate it. Send for list of testimonials. Pat. allowed Feb. 25, 1900. No. 1, $5.00; No. 2, $10; No. 3, $20.

The Floriste' Supply Co.
No. Tonawanda, N. Y.

Mention the Florists' Exchange when writing.



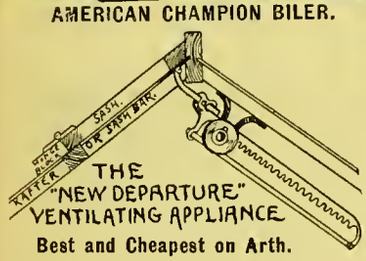
AMERICAN CHAMPION BILER.



THIS IZ MI PICTER.



THE EVERLASTIN HINGE.



Best and Cheapest on Arth.

Spring hez kum agin, bi gum,
An i'me as glad ez i kin B,
Fur everi thing iz ful uv spring,
Frum elifant to wiked fle.

YIS i luve the Spring time, when the Robbins iz robbin and the Swollers iz a swollerin, the Beez iz beezwaxin, the Butterfize iz a makin butter, an the Flourist iz makin flour. This iz the time when the arth puts on its green kloze an hez a Rainbo fur a neckti, frogs laff, an al nater luks glad. Yes, i luv the spring, fur that iz the time when the Florist begins to fix up his houses an put in **VENTILATIN** kontrapshins, an put on nu hinges what got broke, an then he wishes he hed got the **EVERLASTIN HING** wat i make. A little later he begins tew think about a nu **BILER.** Now u jist rite tew me an ile sind u a Kat-a-log what tells u awl about my greenhous fixins, whitch iz the best on arth an cheepest tew.

Mi name iz **J. D. CARMODY,** i live in **EVANSVILLE, INDIANA,** klose to Posey Kounty.

Mention the Florists' Exchange when writing.

MASTICA
FOR GLAZING GREENHOUSES.

Proven superior to putty. Easier to apply and stays on. Not affected by extremes of weather. Endorsed by prominent florists. Send for descriptive circular of Mastica and Mastica Glazing Machines.

F. O. PIERCE CO., Sole Manufacturers, 170 Fulton St., **New York.**

Mention the Florists' Exchange when writing.

GLASS

For **Greenhouses, Graperies, Hotbeds, Conservatories,** and all other purposes. Get our figures before buying. Estimates freely given.

N. COWEN'S SON,
392-94 W. BROADWAY, NEW YORK.

Mention the Florists' Exchange when writing.

CYPRESS
IS MUCH MORE DURABLE THAN PINE.
CYPRESS SASH BARS
UP TO 32 FEET IN LENGTH OR LONGER.
GREENHOUSE
AND OTHER BUILDING MATERIAL.
Send for our Illustrated Book "CYPRESS LUMBER AND ITS USES."
Send for our Special Greenhouse Circular.
THE A. T. Stearns Lumber Co., Neponset, Boston, Mass.

Mention the Florists' Exchange when writing.

EASTER! EASTER!

VIOLET PLANTS

(LADY CAMPBELL)

Shipped in paper pots, extra strong plants, in full bloom,

$40.00 per 100. No orders accepted for less than 25 plants.

Terms Cash. No Plants Sent C. O. D.

ERICAS PERSOLUTA ALBA and ROSEA,
4 inch pots, $4.00 per dozen.

LILIUM LONGIFLORUM (Not Harrisii),
$15.00 per 100 buds.

AZALEAS (Assorted Colors),
$9.00, $12.00, $18.00, $24.00 and $48.00 per dozen.

CUT BLOOMS LILY OF THE VALLEY,
$3.00 per 100.

W. S. ALLEN, Wholesale Commission Merchant, 17 West 28th Street, NEW YORK CITY.

EASTER PLANTS

Japan Longiflorum Lilies, 3 to 6 flowers, 2 to 2½ ft., 12 cts. per bud.
Azaleas, 6 and 7 in. pots.....75c. to $1.50
Hydrangeas, 7 and 8 in. pots.....75c. to $1.25
Hyacintha, 4 in. pots.....10c.

Daffodils, 5 and 6 in. pots.....18c. and 25c.

We have 5,000 pots **Easter Lilies,** all nice clean plants, and we are prepared to ship either cut flowers or plants in large quantities.

GRAFTED ROSES.

Strong Kaiserin, 2½ in. pots, ready now, $12.00 per 100.
Brides and Maids, ready May 1st, $10 per 100; $90 per 1000.

Several thousand **Kaiserins, Brides and Maids,** 2½ in. pots, own roots, ready now, $4.00 per 100; $35.00 per 1000.
CASH FROM UNKNOWN PARTIES.

CHRYSANTHEMUM **Mrs. Bonnaffon,** 2½ in. pots, $3.50 per 100.

S. J. BUNTING, Elmwood Avenue and 58th Street, Philadelphia.

Mention the Florists' Exchange when writing.

EASTER STOCK

1,000 **MARGUERITE DAISIES,** 5-6 inch pots, in excellent condition.
10,000 **GERANIUMS,** in bloom, 4-5 in. pots
500 **AZALEAS.**
PANSIES, best strain.
BELLIS PERENNIS, 3 varieties.
HELIOTROPE.
AGERATUM, Etc.

C. E. KOCH, 326 Clarkson St., Tel. Call 164 Flatbush. **Brooklyn, N.Y.**

Mention the Florists' Exchange when writing.



Send for Our List of

Kentias, Latanias, Ficus,

Asparagus, Dracænas, etc. **Azalias** for immediate sales, assorted colors, from 60 cts. to $2.50 each. Ask for our price list of **Perpetuated Palms.** Samples sent on request. Address

THE GEO. WITTBOLD CO., Chicago,
1708 N. Halsted Street.

Mention the Florists' Exchange when writing.

PLANTS

For Easter Flowering.

Lilies, Azaleas, Rhododendrons, Geraniums, Heliotrope, Fuchsias, Etc.

Order early before they bloom as the flowers are liable to injury in transportation.

BOSTON FERNS.

N. Exaltata Bostoniensis.
Small plants, $5.00 per 100; $40.00 per 1000; not less than 250 at 1000 rate. Large plants, $6.00 to $20.00 per 100.

—ALSO A FINE LOT OF—

Kentias, Balmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 inch, $3.00 per doz.
Areca Lutescens, 50c. to $3.00 each.
Latanias, from 75c. to $3.00 each.
Asparagus Plumosus, $1.00 to $1.50 doz.
Asparagus Sprengeri, 3½ in. pots, $1.50 per doz.

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. **Connected with Telephone.**

Mention the Florists' Exchange when writing.

EASTER PLANTS

15,000 Longiflorum Lily Plants.

1,000 Crimson Rambler Roses Fancy Designs

—ALSO—

Azaleas, Spiræas, Hydrangeas, Acacias, Hybrid Roses, Hyacinths, in pots and pans, and **Rhododendrons.** Prices on Application.

H. C. STEINHOFF,
578 Hudson Boulevard, WEST HOBOKEN, N. J.

Mention the Florists' Exchange when writing

1000 Lilium Longiflorum 7 to 9, 6 in. pots, just right for EASTER. Write for prices.
Boston Ferns, ready for shifting, 2½ in., 6 cts; 3 in., 10 cts.; 3½ and 4 in., 18 cts.
Geraniums, Salleroi, Mrs. Taylor, Walnut and Rose, cut back, 2½ cts.
Vinca Major, 2½ in., 2½ cts.
Trailing Lantana, just what you want for vases, baskets, etc., 2½ cts.
Begonias, in variety, 2½ cts.
Gnaphalium, fine for baskets, 2½ cts.
Panicum Variegatum, 2½ cts.
Achyranthes, 2½ cts.
Coleus, Verschaffeltii, Beckwith Gem in variety, R C., 75 cts. per 100.
Ageratum, Tapia blue, dwarf and the best blue to date, 2½ cts. White Cape, dwarf, extra fine white flowers, 2½ cts.
Tradescantia Multicolor, **Double Sweet Alyssum,** 2c. CASH, PLEASE.

A. J. BALDWIN, Newark, Ohio.

Mention the Florists' Exchange when writing.

AZALEAS

Blooming Plants for Easter.	Per doz
Large and shapely, 13 to 16 in..	$9 00
GENISTAS, 5 in.....	3 00
" 4 in.....	2 00
CINERARIAS, 5 in.....	1 50
HYDRANGEAS, in large bud, 5 in.	3 00
" .....4 in.	2 00
CRIMSON RAMBLER ROSES, 3 years old.....	9 00
GERANIUMS, bushy plants, Nutt, Grant, Hill, La Favorite; all the above in large bud for Easter, 4-inch..$6.00 per 100	
PANSIES, large plants, ready to show bud.....50c. per 100; $3.50 per 1000	
MAMMOTH VERBENAS, large rooted plants.....60c. per 100; $4.50 per 1000	

WHITTON & SONS, Wholesale Florists,
CITY AND GREEN STS., UTICA, N. Y.

Mention the Florists' Exchange when writing.



EASTER PLANTS

AZALEAS, from 50 cts. to $6.00 each.
ERICAS (Heather), $12.00 and $15 00 per doz.
ERICA CUPRESSINA, $2.00 and $2.50 each.
LILIES, 10c. and 12c. each; buds by the 1000.
METROSIDEROS, from $1.00 to $5.00 each.
LILAC, $1.25, $1.50, and $2.00 each; a few Standards, $2.50 each.

Cash with order.

ANTON SCHULTHEIS,
P. O. Box 78,
College Point, NEW YORK CITY.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR EASTER PLANTS

Blooming Easter week!
Time is money! Lose no time! Order your supply now!



I have an immense stock of the choicest in the market. You would be astonished if you could have a peep into seven large greenhouses which are crammed full, and devoted to the cultivation of Easter plants alone, and therefore I will be prepared to fill all orders, if ordered in time, as far as the supply will reach.

AZALEA INDICA I am a very large importer of this choice Easter plant. I have erected two new houses, 20x100, for the cultivation of them alone. These Azaleas were selected by myself last fall, on my trip to Ghent (Belgium), and as I am Agent for a large concern in Belgium, it gives you a chance to buy your goods first hand and not through middleman.

I can offer you plants in bloom or in buds, blooming Easter week. **6 inch pots, 60c., 75c., and some for $1.00.** Most of them are Mme. Vander Cruysen, and some other choice varieties, which will be selected by myself.

SPIRÆA, Compacta and Floribunda, fine bushy plants, my own importation, a perfect gem, 6 inch pots, **$3.00 per doz.**
Specimen Plants, $4.00 per doz.
HYDRANGEAS (Pink), 6 inch pots, bushy plants, **$3.00 to $5.00 per doz.**
CINERARIA Hybrida, choice colors, 6 inch pots, **$2.50 to $3.00 per doz.** In bloom now or at Easter. I have a house full of them.
BEGONIAS, President Carnot, 6 inch pots, **$3.00 per doz.**
Vernons, 4 inch pots, **$1.20 per doz.**
DAISIES (White), **Marguerite,** 5 inch pots, **$2.00 per doz.**
4 inch pots, **$1.00 per doz.**
CYPERUS (Umbrella Plants), very fine bushy plants, 4 inch pots, **$1 per doz.**

HYACINTHS, 4 inch pots, best varieties (of my own importation), **$10.00 per 100.**
TOURNESOL TULIPS, three in a pot (double red and yellow striped), beautiful, sells at first sight, 4 inch pots, **$1.50 per dozen pots.**
DAFFODILS, Von Sion, three in 5 inch pot, **$1.50 per dozen pots.**
LILIUM HARRISII and LONGIFLORUM, 6 inch pots, nice foliage (bulbs 7 to 9), 5 to 10 buds to a plant, from 1½ to 2½ feet high, at the rate of **10c. per bud.**
No Lilies sold by themselves; other Plants must accompany them.
CHINESE PRIMROSES, 4 inch pots, **$1.00 per doz.**

Buyers visiting Philadelphia are respectfully invited to call at my place and examine my stock before buying elsewhere. Only 25 minutes' ride from City Hall.

Take 13th Street Car to Rising Sun Avenue and walk two squares east; also Germantown Car at 8th and Market Streets (North) to Ontario Street and walk one square east.

Cash with order, please. Money can be sent safe by Express, Postal Money Order, Registered Letter, or Drafts on Philadelphia Banks. Goods shipped at purchaser's risk.

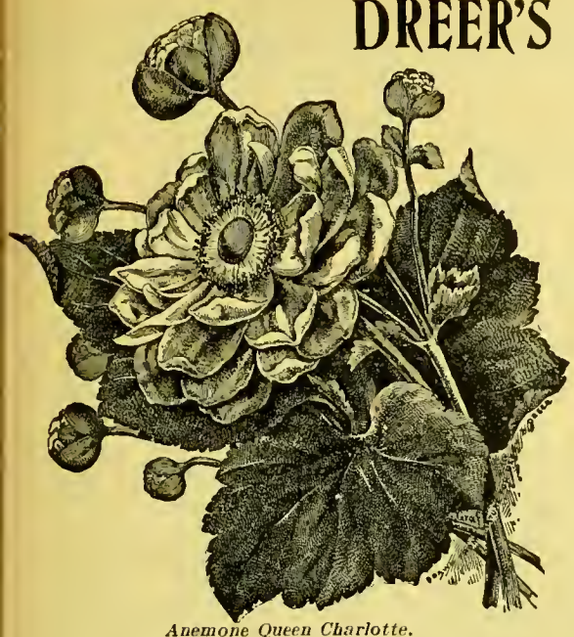
GODFREY ASCHMANN, 1012 Ontario Street, Rising Sun, Philadelphia, Pa.
IMPORTER AND WHOLESALE GROWER OF POT PLANTS.

PLEASE NOTICE TESTIMONIAL BELOW:

"Mr. G. Aschmann has very fine healthy Azaleas, Hydrangeas, Easter Lilies, Spiræas, Tulips, Hyacinths and other plants to bloom and bud. We can very highly recommend our customers to Mr. Aschmann for fair, reliable, business treatment."
Philadelphia, March 6, 1900. HENRY F. MICHELL, 1018 Market Street.

Mention the Florists' Exchange when writing.

DREER'S SEASONABLE OFFER OF HARDY PERENNIALS



Anemone Queen Charlotte.

THE increased demand for this class of plants, not only by the amateur for the planting of private grounds but also for florists' use for cutting during the Summer and Fall months, has induced us to greatly increase our plantings of this stock. Our grounds at Riverton, N. J., being especially suited for the growing and quick development of most perennial plants, we are in a position to supply first-class stock at low prices.



Deutzia Lemoinei.

Special List of Perennials Suitable for Cut Flowers.

	Per doz.	Per 100.
Achillea The Pearl. 2¼-inch pots	$0 60	$4 00
Anthemis Tinctoria. 2¼-inch pots	60	4 00
" " **Kelwayi.** 2¼-inch pots	60	4 00
Anemone Japonica Alba. 2¼-inch pots	60	4 00
" " **Elegans.** 2¼-inch pots	60	4 00
" " **Lady Ardilaun.** 2¼-inch pots	60	4 00
" " **Whirlwind.** 2¼-inch pots	60	4 00
" " **Queen Charlotte.** New. 2¼-inch pots	1 25	10 00
Boltonia Asteroides. Strong divisions	75	6 00
" **Latisquama.** " "	75	6 00
Carvnpteris Mastacanthus 2¼-inch pots	60	4 00
Ceanothus Gloire de Plantieres. 3-inch pots	2 50	20 00
Clematis Recta. Two-year-old	1 50	12 00
Coreopsis Lanceolata. Strong clumps	75	6 00
" " **Grandiflora** Strong clumps	75	6 00
Delphinium Chinensis. One-year-old	75	6 00
" **Formosum.** " "	75	6 00
" **Sulphureum.** Two-year-old	2 00	15 00
" **Belladonna.** 3-inch pots	2 00	15 00
" **Frau Emma Metzger.** 2½-inch pots	2 50	20 00
" **Wilkie Collins.** 2¼-inch pots	2 50	20 00
Doronicum Austriacum. Strong plants	1 00	8 00
" **Caucasicum.** " "	1 50	12 00
" **Excelsum.** " "	1 25	10 00
Eupatorium Coelestinum. Strong divisions	75	6 00
Gaillardia Grandiflora. 3-inch pots	75	6 00
" " 4 "	1 00	8 00
Gypsophila Paniculata. Strong one-year-old	$0 75	$6 00
Helenium Autumnale Superbum. Strong divisions	1 00	8 00
" **Bolanderi.** Strong divisions	1 00	8 00
" **Grandicephalum Striatum.** Strong divisions	75	6 00
" **Pumilum.** Strong divisions	1 25	10 00
Helianthus Multiflorus, fl. pl. Strong divisions	75	6 00
" " **Maximus.** " "	75	6 00
" **Maximilliana.** Strong divisions	75	6 00
" **Rigidus.** Strong divisions	75	6 00
Hellopsis Pitcherianus. " "	75	6 00
" **Scaber.** " "	75	6 00
" " **Major.** New. 2¼-inch pots	1 00	8 00
Heuchera Sanguinea. 3-inch pots	1 25	10 00
Hollyhocks, Dreer's Superb Double. Strong clumps. White, pink, salmon, yellow, bright red, maroon	1 25	10 00
Choice Mixture. Strong clumps	1 00	8 00
Hollyhocks Allegheny. Mixed. Strong clumps	1 25	10 00
Hypericum Moserianum. Two-year-old plants	1 00	8 00
Iris Kæmpferi. 24 finest named varieties. Strong	1 50	10 00
" " Choicest mixture	1 00	8 00
Incarvillea Delilavayi. New	4 00	
Lychnis Vespertina Alba Plena. Strong clumps	2 00	15 00
" **Chalcedonica, fl. pl.** Strong, 3-inch pots	1 50	12 00
" **Viscaria Splendens.** Strong clumps	1 25	10 00
Physostegia Virginica. Strong divisions	$0 75	$6 00
" " **Alba.** Strong divisions	75	6 00
Platycodon Japonicum, fl. pl. Strong clumps	1 00	8 00
" **Mariesi.** Strong clumps	75	6 00
Primula Veris. English Cowslip	75	6 00
Pyrethrum Hybridum. Choice mixed seedlings, clumps	1 00	8 00
" " Choice mixed seedlings, 3-inch pots	75	6 00
" **Uliginosum.** Strong divisions	1 00	8 00
Ranunculus Acris, fl. pl. " "	75	6 00
Phlox The Pearl. Fine white, 2¼-inch pots	75	5 00
" 25 finest varieties in cultivation, 2¼-inch pots	75	5 00
Rudbeckia Golden Glow. Large clumps	1 25	10 00
" " " Strong divisions	50	3 00
" **Newmani.** " "	75	6 00
" **Purpurea.** " "	1 00	8 00
Scabiosa Caucasica Blue. 3-inch pots	1 25	10 00
" " **Alba.** 3 "	1 25	10 00
Statice Latifolia. One-year-old plants	1 25	10 00
Tritoma Uvaria Grandiflora. Clumps	1 50	12 00
" " " Strong divisions	75	6 00
" **Pfitzeri.** New. Strong divisions	1 50	10 00
Veronica Longifolia Subsessilis. Clumps	2 00	15 00
" " " 2¼ inch pots	75	5 00
" **Spicata** Strong divisions	1 00	8 00
" " **Alba.** Strong divisions	1 00	8 00

SPECIALTIES IN SHRUBS.

Deutzia Lemoinei. A grand improvement on D. Gracilis; strong one-year-old plants, $1.25 per dozen; $10.00 per 100; $90.00 per 1000.

Azalea Mollis. Fine bushy plants, 15 inches high, $5.00 per dozen; $40.00 per 100.

Hardy Rhododendrons. 12 to 15 inches high, well set with buds, $5.00 per dozen; $40.00 per 100. 15 to 18 inches high, well set with buds, $7.50 per dozen; $60.00 per 100. 18 to 24 inches high, well set with buds, $12.00 per dozen; $90.00 per 100.

Hydrangea Paniculata Grandiflora. Strong bushy plants, 20 to 24 inches high, $1.25 per dozen; $10.00 per 100. Standard or Tree-Shaped, fine plants. $4.00 per dozen, $30.00 per 100

Azalea Pontica (Hardy Ghent). Bushy plants, 18 to 24 inches high, $6.00 per dozen; $45.00 per 100.



Helianthus Multiflorus Maximus.

Weigela Eva Rathke. (New.) The finest of all the Weigelias, rich in color and free flowering; heavy two-year-old plants, 35 cts. each; $3.50 per dozen.

Clematis Hybrids. All the leading varieties—Jackmanni, Henryi, Duchess of Edinburgh, etc.; strong two-year-old plants, $3.00 per dozen; $25.00 per 100.

Headquarters for Palms, Ferns and All Decorative Plants.

Our new **Quarterly Wholesale List,** which has just been issued, gives full descriptions of a complete line of Palms, Ferns, etc. Many varieties in sizes of special value for the Easter Trade will be noted among these.

ADIANTUM CUNEATUM.

A grand lot for immediate use.

2¼-inch pots	50 cts. per dozen,	$3.50 per 100,	$30.00 per 1000.
3-inch pots	75 cts. "	$6.00 "	$50.00 "
5-inch pots	$2.00 "	$15.00 "	$140.00 "

Headquarters for Water Lilies and Other Aquatics.

Now is the time to decide on what you intend to do in this line the coming season. Hardy Nymphæa to give best results should be planted early. If you need any information as to what and how to plant our Mr. Tricker will be glad to offer practical suggestions.



Rudbeckia Purpurea.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

Rooted Cuttings

BY MAIL.

August Sowing: Cyclamen P. Giganteum, uncxcelled strain, $2.00 per 100.
Sulvia Splendens and **Bonfire**, $1.00 per 100; $8.00 per 1000. Pot plants, $1.50 per 100.
Heliotrope, $1.00 per 100; $8.00 per 1000. Pot plants, $1.50 per 100.
German Ivy and **Ageratum**, 75 cts. per 100.
Lobelia, dwarf and trailing, $1.00 per 100.
Solanum Jas. Albu, $1.50 per 100.
Fuchsias, $1.00 per 100; from pots, $1.50 per 100.
Feverfew, Dwarf Gem, **Vinca Variegata**, $1.00 per 100; from pots, $1.50 per 100.
Paris Daisy, Giant, $1.00 per 100; pot plants, $1.50 per 100.
Alyssum, Double Giant, $1.00 per 100.
Rudbeckia, Golden Glow, $3.00 per 100.
Forget-Me-Not, $1.50 per 100; 4 in., $5.00 per 100.
Pansies, large, transplanted, from cold frames, $5.00 per 1000; smaller plants, $2.50 per 1000.
Double Petunias, fine, fringed vars., $1.00 per 100.
Chrysanthemums, $1.00 per 100.
Dracæna Indivisa, 3 in. pots, $3.00 per 100; 4 in. pots, $5.00 per 100.
Double Stocks and **Early Asters**, 50 cts. per 100.
CARNATIONS—
Scott and McGowan, $1.00 per 100; $6.00 per 1000.
Daybreak, $1.25 per 100; $10.00 per 1000.
Flora Hill, $1.25 per 100.
Bon Ton, Joost, John Young, each $2.00 per 100.
Gomez, 60 cts. per doz.; $4.00 per 100.

Cash with order.

ORANGE FLORAL CO., West Orange, N. J.

Mention the Florists' Exchange when writing.

CHEAP FOR CASH.

CYCLAMEN GIGANTEUM

Strong, healthy plants, from 2 inch pots, consisting of the following varieties: **ATRORUBRUM, MONT BLANC, MAGNIFICA** and **ROSEA**, $4.00 per 100; $35.00 per 1000.

WM. SCHLATTER & SON,
408 Main Street, Springfield, Mass.

Mention the Florists' Exchange when writing.

COLEUS.

Crimson Verschaffeltii and Golden Queen, $7.00 per 1000, 75c. per 100; 2 in. pots, $1.50 per 100. Coleus in variety, $5.00 per 1000, 60 cts. per 100; 1¾ in. pots, $1.25 per 100.
AGERATUM, Blue and White, 75c. per 100; 1¾ in. pots, $1.25 per 100. Princess Pauline, $1.00 per 100 1¾ in. pots, $1.50 per 100.
GIANT ALYSSUM, $1.00 per 100.
SALVIA, Splendens and Bedman, $1.25 per 100; 2 in. pots, $1.75 per 100.
HELIOTROPE, 8 vars., named, $1.00 per 100; 1¾ in. pots, $1.50 per 100.
CUPHEA (Cigar Plant), $1.00 per 100.
FUCHSIAS, $1.50 per 100; 2½ in. pots, $2.50 per 100.
FEVERFEW, $1.50 per 100; $12.00 per 1000; 2 in. pots, $2.00 per 100.
VINCAS, $1.25 per 100; $10.00 per 1000. 4 in. pot, $8.00 per 100; $70 per 1000. Fine plants.

The above are rooted cuttings, except when noted. Cash must accompany all orders.

J. E. FELTHOUSEN, Schenectady, N.Y.

Mention the Florists' Exchange when writing.

Fine Stocky Plants

	Per 100
ALTERNANTHERAS, yellow, $1.75; red,	$2 00
OXALIS FLORIBUNDA, fine for baskets.	2 00
COLEUS, mixed vars., 2 in. pots	2 00
GERANIUMS, my selection, 2 and 2½ in. pots	3 00
" 3 in. pots	4 00
CENTAUREA GYMNOCARPA, 2 in. pots	2 00
DOUBLE PETUNIAS, 2½ in. pots	3 00
CARNATIONS, 5 vars., 2 in. pots	3 00
VERBENAS, good vars., 2 in. pots	2 00
PANSY PLANTS, in bud, from cold frame	1 50

CASH, PLEASE.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Mention the Florists' Exchange when writing.

XXX STOCK

FUCHSIA, Madame Carnot. New giant double white; mammoth; the finest and most free of all double whites, $3.50 per 100.
Read what The Exchange says of these Giant Fuchsias, Nov. 18, 1899, page 1156.
CHINESE PRIMROSE seed. Finest large fringed, single and double, 500 seeds, $1.00.
PRIMULA Obconica. Improved bright rose color; very finest of all Obconicas, 1000 sds. 50c.
HELIOTROPES. Large flowering, light and dark, strong bushy plants, ready for 3½'s, $2.50 per 100.
LOBELIA New Double Blue. Dwarf, extra fine and a perfect beauty; ready for 3½'s, $3.50 per 100.
LOBELIA, Emperor William. Dwarf finest bright blue, ready for 3½'s, $2.00 per 100.
PANSY, Finest Giants. Choicest mixed, 3500 sds., $1.00; ½ pkt., 50c.
CINERARIA. Large flowering dwarf; very choicest mixed 1000 sds., 50c.
IVY GERANIUMS. The finest named double varieties, ready for 3½'s, $3.50 per 100.
PELARGONIUMS. Finest vars., mixed, very strong and bushy, out of 3½'s, $6.00 per 100.
VERBENAS. Improved Mammoth, seedlings. Extra choice, mixed, ready for 3½s, $2.00 per 100.
Extras added liberally to every order.

JOHN F. RUPP, THE HOME OF PRIMROSES. **Shiremanstown, Pa.**

Mention the Florists' Exchange when writing.

100,000 CUTTINGS

	Per 100
Achryanthes	$1.00
Alternantheras, red and yellow, $5 per 1000,	.60
Alternantheras, summer struck, $9 per 1000,	1.00
Ageratum blue and white,	1.00
" **Princess Pauline,**	1.25
Alyssum, Double Giant,	1.00
Begonia Erfordii,	2.00
" **Rex,**	2.00
" **Inc. Gigantea**	2.00
Carnation, White Cloud,	3.00
" Triumph, Albertini, and Flora Hill,	2.00
COLEUS—	
Fancy and large leaf,	1.00
Verschaffeltii, yellow and selected kinds, $7 a 1000,	.80
COLEUS—	Per 100
Mixed colors, $5 per 1000,	$0.60
Forget-Me-Not (Winter Flowering),	2.00
GERANIUMS—	
Named	2.00
Mixed	1.50
Mrs. Parker (Double Pink) Silver Leaf,	4.00
Silver Leaf, Rose Scented	1.50
Mme. Salleroi,	1.25
Double New Life,	4.00
Mrs. Pollock and Happy Thought,	2.00
Bronze	1.50
Mars, Freak of Nature,	3.00
Mme. Bruant,	2.50
Fuchsias, assorted,	1.50
" Sun Ray (variegated)	4 00
Fuchsias, Trailing Queen	$1.50
German Ivy,	1.25
Heliotrope, purple and white,	1.25
Impatiens Sultani,	2.00
Lantana, assorted,	1.50
" trailing,	2.00
Lemon Verbena	1.50
Lobelia,	1.00
Manettia Bicolor,	2.00
Tradescantia Tricolor,	2.00
Salvia,	1.25
Stevia Var.,	1.50
Verbenas, $6.00 per 1000.	.75
Vinca Var., extra strong	1.50
Anthemis Coronaria (Double yellow Marguerite),	2.00

PLANTS.

	Per 100
Abutilon Var., trailing, 2¼ in.,	$4.00
Antherieum, 3 in.,	6.00
BEGONIAS—	
Rex, 4 inch,	10.00
" assorted, 2¼ in.,	4.00
" named, 2¼ in.,	6.00
Fragrant Calla, 2¼ in.,	1.50 per doz.
Fragrant Calla, 4 in.,	$3.00 per doz.

PLANTS.

	Per 100
Forget-Me-Not (Winter Flowering) 2¼ in.,	$4.00
Fuchsias, 2¼ in.,	4.00
GERANIUMS—	
Happy Thought, 2¼ in.,	4.00
Silver Leaf, 2¼ in.,	4.00
Mrs. Pollock, 2¼ in.,	4.00
LEMON VERBENAS, $3.00, $4.00 and	6.00
Mignonette, 2 in.,	$2.00
Manettia Bicolor, 2¼ in.	4.00
Palm Washingtonia Filifera, 2¼ in.,	4.00
Pansy Plants, $8 a 1000.	1.00
" " $5 a 1000.	.60
Single Petunias, from flats,	1.50
Vinca, 2¼ in.,	3.00

Terms, Cash or C. O. D. **GREENE & UNDERHILL, Watertown, N.Y.**

Mention the Florists' Exchange when writing.

HERE WE ARE! ROOTED CUTTINGS

COLEUS 40 new ones, grand. Also Red Verschaffelti and Golden Bedder, 15 cents per 100.
Silver-Leaf Rose Geranium and **Ageratum Pauline,** 25c. per doz.
Silver-Leaf Geranium Mrs. Parker, 40c. per doz.
Alternantheras (Plants), 50c. per 100.
CASH WITH ORDER, PLEASE. Try me.

THEO. FUHR, Box 612, Alliance, Ohio.

Mention the Florists' Exchange when writing.

PARIS DAISY Best large white, always salable. Rooted cuttings, strong, per 100, $1; 2¼ in., per 100, $2.00; 3 in., in bloom for Easter, per 100, $3.
Strobilanthes Dyerianus, 3 in., per 100, $6.00.
Vinca Minor Cærulea (open ground), 100, $4.00.
Miller Red Raspberry, per 100, $1.00.

CURRANTS, RED DUTCH The best bearer and the best fruit, as tested with a dozen later introductions; good, large stock, ready to bear. You have room for a few dozen. Any number of samples, by express or freight, at 5 cts. each; per 1000, $45.00. **MAYER & SONS, Willow Street P. O., Lancaster, Pa.**

Mention the Florists' Exchange when writing.

GERANIUMS

In 3 inch pots, in 12 best varieties, including such as La France, B. Poitevine and Grant, $2 50 per 100.

CARNATION PLANTS.

From flats, clean: Scott's, Daybreak, $1.20 per 100. Flora Hill, $1.50 per 100. McGowan, $1.00 per 100.

Cash With Order.

ALEX. SCHULTZ, - Phillipsburg, N. J.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

Carnations, Scott, McGowan, Daybreak, Albertini, Armazindy, John's Scarlet, $1.25 a 100; $10 a 1000
Fuchsias, Heliotrope, Lemon Verbena, Coleus, Double Alyssum, Vinca Variegata and **English Ivy,** $1.00 per 100. **Strong, Bushy, English Ivies,** 4 feet high, $15.00 per 100. Strong stock plants of **Geranium Mars,** $2 50 per doz. Strong stock, one-year-old plants of **Double** and **Single Grant,** and other good vars. of Geraniums, $15.00 per 100.

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

GERANIUMS Rooted Cuttings

Double Varieties Sold Out.

A few thousand Queen of West, single Grant left, **$1.00 per 100; $9.00 per 1000.**
Nutt, Heteranthe, Duke de Montmort 4 inch pots, strong, bushy plants, in full bloom, **$4.00 per 100.**

Cash With Order.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

FUNKIA Pansies, Eulalia.

See offer to exchange in previous issues.

LINEED Geraniums, Verbenas, Vincas, Lilies, Pelargoniums, Bostoniensis Ferns, Asparagus, Gladiolus, Crimson Rambler Roses, Clematis Paniculata.

I have a good variety of **PANSIES.** Those that commenced flowering in September, per 1000, $12.00; Oct., $10, and a smaller size, $8. From seed bed, $3.50.

W. C. JENNISON, Natick, Mass

Mention the Florists' Exchange when writing.

Must Have Room for Other Stock

Cinerarias, for Easter, in bud and bloom, 4 in. pots, $5 00 per 100; 5 in. pots, $1 per doz. **Begonias,** in variety, 2 in pots, $2.00 per 100; 3 in. pots, $3 per 100. **Bedding Begonias,** Vernon, 2 in. pots, $2 per 100; 3 in. pots, $3 per 100. **Cyclamen,** in bloom, 4 in. pots, $1 per doz. **Alternanthera,** red and yellow, transplanted, 65c. per 100. **Coleus,** 60c. per 100. Satisfaction guaranteed. Low express rates. Sample, 10c.

J. S. BLOOM, Reigelsville, Pa.

Mention the Florists' Exchange when writing.

300,000 VERBENAS

60 finest named varieties, including our new
MAMMOTH WHITE MRS. McKINLEY.
The finest white Verbena grown.

Perfectly healthy. Free from rust.

Rooted cuttings, 60 cts. per 100; $5.00 per 1000.
Plants, $2 50 per 100; $20.00 per 1000.
Our list is the choice from millions of seedlings.

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

SMILAX.

From flats, by mail, 50 cts. per 100; $4.00 per 1000. From 2 in. pots, $1.50 per 100; $13.00 per 1000.
CANNA, large-flowering, mixed, $1.00 per 100.

FRED BOERNER, Cape May City, N. J.

Mention the Florists' Exchange when writing.

MAMMOTH VERBENAS Mammoth Verbenas, large rooted plants, 60c. per 100; $4.50 per 1000. **Cyclamen,** 3 in., $5.00 per 100. **White Stocks** for Easter, 2 in., $1.50 a 100. Rooted cuttings, double and single **Petunia,** $1.00 per 100 **Dwarf Lobelia,** $1.00 per 100 **SAMUEL WHITTON, 15-17 Gray Ave., Utica, N. Y.**

Mention the Florists' Exchange when writing.

BEGONIA CALEDONIA

The White Lorraine.

We are now booking orders for Fall Delivery.

Plants from 3 1-2 in. Pots, $5.00 Each.

R. & J. FARQUHAR & CO.,

16 & 19 S. Market St., Boston, Mass.

Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

Asparagus Plumosus, 3 in., $8.00 per 100. **Rex Begonia,** 3 in., mixed, $4.00 per 100. **Marguerite Daisy,** large flowering white, 2 in., $3.00 per 100. **Nephrolepis Cordata Compacta** and **Boston Fern,** 2 in., $4.00 a 100. **Kentia Belmoreana** and **Forsteriana,** 4 in., nice plants, 40c. each; 3 in., 20 cts. each.

GERANIUMS Sam Sloan, Bonnaft, Single Grant, Mrs. E. G. Hill and S. A. Nutt, 2 in., $3.00 per 100.

ENGLISH IVY and **Ampelopsis Veitchii,** 2 in., $3.00 per 100.

CAMPBELL VIOLETS, Rooted runners, 50 cts. per 100.

COLEUS, red and yellow, rooted cuttings, 60c. per 100.

CARNATIONS Rooted Cuttings: Daybreak, Iago, Flora Hill, $1.25 per 100. Scott, Fisher, Portia, McGowan, Alaska, Peachblow, 75cts. per 100.

KITTATINNY A pure white apart from Daybreak; as a first-class all-round carnation; can't be out-classed. Price, $6.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

VERBENA KING.



Verbenas, rooted cuttings, 60c. per 100; $5.00 per 1000; $22.00 per 5000. 2 in. fine plants, $2 00 per 100; $18.00 per 1000.

Ageratum, Lady Isabella, bell and Cope's Pet, 60c. per 100; $5.00 per 1000.

CARNATIONS.

	100	1000
Flora Hill	$1 50	$14.00
Morello	1 50	14.00
M'y'r Pingree	1.50	14.00
Daybreak	1.50	14.00
McGowan	1.00	8.00
Wm. Scott	1.00	8.00

Daisies, California and Yellow Castle, $1.00 per 100; $9.00 per 1000; 2 inch, $2.00 per 100.

Heliotrope, 10 best varieties, $1.00 per 100; $8.00 per 1000. Fine 2 inch plants, $2.00 per 100; $18.00 per 1000.

Express paid on all rooted cuttings and satisfaction guaranteed; for that cash, please.

C. HUMFELD,
CLAY CENTRE, KANSAS.

Mention the Florists' Exchange when writing.

GERANIUMS.

From 2½ inch pots, fine assortment, double and single, pink, white, red and salmon, **$2.50 per 100.**
Gloire de France, Rev. Atkinson, Mme. Bruant, and Camille's Favorite, 4 cts. each.
Golden Dawn, 10 cts, each.

FERNS.

NEPHROLEPIS CORDATA COMPACTA, 2½ inch, **4 cts.**
CYRTOMIUM FALCATUM, 2½ inch, **3 cts.**

Mention Paper.

ALTERNANTHERA.

Rooted cuttings, August struck. **Paronychioides Major** and **Aurea Nana, 60 cts. per 100; $5.00 per 1000,** prepaid.

CASH WITH ORDER.

G. W. WEATHERBY, = = Chillicothe, Mo.

BEGONIA—"GLOIRE DE LORRAINE"

We are now booking orders for May 1st delivery for FINE STRONG PLANTS from 2 inch pots, which can be grown into Handsome Specimens (as shown in cut), in 6 inch pots, in full bloom for CHRISTMAS SALES.



BEGONIA, "GLOIRE DE LORRAINE."
Specimen Christmas Plant, from which our stock is propagated.

Price, $2.50 per doz.; $17.50 per 100

THIS is one of the most striking plants that has been introduced for many years. The habit of the plant is compact and dwarf, making handsome specimens 14 inches in height and breadth. Its chief attraction is its extreme floriferousness, the entire upper part of the plant being literally covered with its brilliant clear pink flowers, to such an extent that the foliage is usually hidden. It has been grown extensively around Boston, New York and Philadelphia, and brought in in splendid shape for Christmas sales, and the entire stock grown was sold at prices ranging from $2.50 to $4.00 each, wholesale, the same plants retailing at from $5.00 to $10.00 each. It promises to be more extensively grown than ever for that purpose and is undoubtedly one of the most useful Christmas plants now in existence. Owing to the strong demand our April stock is now sold; orders must be sent in early in order to secure stock for May delivery.

We have one of the finest and largest stocks of this **RARE BEGONIA,** and will endeavor to fill all orders in rotation, as received.

CARNATIONS.

Select Rooted Cuttings, ready for Prompt Shipment.

	Per 100	Per 1000
MACEO, G. H. CRANE, MORNING GLORY	$6 00	$50 00
GOMEZ, MELBA, BRADT	5 00	40 00
WHITE CLOUD	4 00	30 00
MRS. JAMES DEAN, NEW YORK	3 00	25 00
SCOTT and McGOWAN	1 50	12 00
ETHEL CROCKER	10 00	75 00
OLYMPIA, from soil or pots	12 00	
GENEVIEVE LORD, from soil or pots	10 00	75 00

Dahlias

Fine strong roots, selected varieties, $1.00 per dozen. $6.00 per 100; $50 per 1000, 250 in assortment at 1000 rate.—Aurora, Frank Smith, A. D. Livoni, Yellow Bird, Arabella, Ruby Queen, Mrs. E. C. Monroe, Apple Blossom, Purity, Snow, Beauty, Henry Patrick, Catherine, Mary D. Hallock, Queen Victoria, Fanny Purchase, John Elitch and others.

Pelargoniums

Fine, strong, 3 inch plants, in bud, $1.25 per dozen; $8.00 per 100.—Marquis of Salisbury, Wm. Smith, H. M. Stanley, Marie Mallet, Sandiford's Surprise, Victor, The Bride, Fred. Dorner, Mrs. Bradshaw, Edward Perkins, Mrs. Layal, Mme. Thibaut, Dorothy and Countess.

BROWALIA GIGANTEA, strong, 2½ inch stock, $5.00 per 100.

Geraniums

Fine, extra strong 2½ in. plants, ready now. $1.25 a doz.; $10 a 100. Paul Barre, Kleber, Prediction, Mme. Goyeux, Hubert Charron, Dryden, Emanuel Arene and Henri de Parville. Also following at 50c. per doz.; $4.00 per 100.—Surprise, Rev. Atkinson, Mars, Marquise de Montmort and Benj. Schroeder.

Geranium Novelties

At 35c. each; $3.50 per dozen.

Richilieu, Pouschkine, De La Vigne, Fraicheur, Andrew Lang, Cerise, Malgache, M. H. Tilmant, J. B. Varrone and M. Canovae. Also Pasteur, Grandville and Jean Remeau at 75c. each.

ASPARAGUS SPRENGERI, strong, 2 inch stock, $4.00 per 100.

TROPÆOLUM PHŒBE, extra strong 3 inch stock, in full bloom, $1.00 per dozen.

Chrysanthemums

Strong Plants, Ready Now.

Mrs. H. Robinson, Glory of Pacific, Maud Dean, Ariine, Eureka, Mrs. R. McArthur, Mrs. O. P. Bassett, Midge, Mrs. H. Weeks, Quito, Rose Owen and Yellow Monarch, 50c. per dozen; $3.00 per 100.

Geo. S. Kalb and October Sunshine, 75c. per doz.; $4.00 per 100. Yellow Mme. Carnot, Harry A. Parr, Mavourneen, Silver Wedding, Admiral Dewey, Pride, Willowbrook, Mrs. F. L. Button, 75c. a doz.; $5.00 per 100. King of Yellows, fine deep yellow Bonnaffon form.

RUSSELIAS Elegantissima and Multiflora, splendid vase plants, fine, strong, 3 inch stock, $1.00 per doz.; $8.00 per 100.

BABY PRIMROSE, strong, 2 in. stock, $5.00 per 100.

ACALYPHA SANDERI, strong, 3 in. stock, $1 25 per doz; $10.00 per 100.

THE COTTAGE GARDENS, C. W. WARD, Manager. Queens, N. Y.

ETHEL CROCKER

ABSOLUTELY

THE FINEST PINK CARNATION EVER OFFERED THE TRADE.

It has been in full bloom since September 15th without any stop; it is in full bloom to-day, and as full of buds as many varieties that do not bloom until about this time. It is a good strong grower, and plants procured any time in April will give you good results next winter.

25 for $2.50; 100 for $10.00; 250 for $18.75; 1000 for $75.00.

Pansies "FREYA" and "FAIRY QUEEN," Two Novelties in Bedding Pansies.
Transplanted Seedlings at **$1.00 per 100.**

Petunia "ADONIS," Best Dwarf Bedder, from 2 in. pots, at **$2.00 per 100.**

ALBERT M. HERR - - Lancaster, Pa.

Mention the Florists' Exchange when writing.

Carnation Cuttings.

WRITE FOR SPECIAL DISCOUNTS AND ... LET US FIGURE ON YOUR WANTS ...

	Doz.	100	1000	Blooms.
Genevieve Lord, the peer of any light pink caruation ever offered	$2.00	$10.00	$75.00	4c. each.
Chicago, scarlet Bradt, from sand or soil	1 50	7.50	60.00	4c. "
Mrs. Lawson, cerise pink	3 00	14 00	120.00	
Olympia, variegated, extra strong from soil	2.00	12.00	100.00	
Ethel Crocker, pink, from soil	1.50	10.00	75.00	

	100	1000	Blooms
Mrs. Frances Joost, pink	$2.50	$20.00	3c. each
Mrs. James Dean, pink. From sand or soil.	2 50	20 00	4c. "
John Young, white..... From sand or soil.	2 50	20.00	4c. "
White Cloud, white..... From sand or soil.	4.00	30.00	4c. "
Mrs. Bradt, variegated.. From sand or soil.	5.00	40.00	4c. "
Gen. Maceo, crimson ... From sand or soil.	6.00	50.00	4c. "
Gen. Gomez, crimson.... From sand or soil.	6.00	50.00	4c. "

	100	1000	Blooms
G. H. Crene, scarlet	$6.00	$50.00	4c. "
Gold Nugget, yellow..... From sand or soil.	2 50	20.00	4c. "
Argyle, carmine..... From sand or soil.	2.50	20.00	4c. "
Jubilee, scarlet	2.00	15.00	4c. "
Armazindy, variegated..	2 00	15 00	2c. "
Evelina, white	2.00	15 00	2c. "
New York, deep pink	2.00	15 00	2c. "
Wm. Scott, pink..	2 00	15.00	2c. "
Victor, pink	2.00	15.00	2c. "
Daybreak, light, pink	2.00	15.00	2c. "
Flora Hill, white	2.00	15.00	2c. "

CHICAGO CARNATION CO., GREENHOUSES AND ADDRESS, **JOLIET, ILL.**

Mention the Florists' Exchange when writing.

CARNATIONS

From 2¼ Inch Pots.

	100	1000
Lizzie McGowan	$1.50	$9.00
Mrs. James Dean	2.00	
John Young	2.00	
Triumph	2.00	
Jack Frost	2 00	
Wm. Scott	2 00	15.00
Elsie Akehurst	5.00	40.00

Cash with order, please.

C. AKEHURST & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

Wm. Scott Carnation

Cuttings are going fast, every first order sent out has batched another, so do not delay but order at once, as they will not last long, at **$6.00 per 1000.**

Mrs. Joost, Melba, $2.50 per 100; $20.00 per 1000
Flora Hill, Daybreak, $1.25 per 100; $10 per 1000.
General Maceo, $4.00 per 100; $35.00 per 1000.
Victor, Mayor Pingree, $1 per 100; $9 per 1000.
Jubilee, $1.50 per 100; $12.00 per 1000.

10,000 PETUNIA CUTTINGS Well rooted, double, of the best selected vars., $1.50 per 100; $12 per 1000. Cash with order.

CARL E. TAUBE. Trenton, N. J.
MERCER FLORAL CO.

New Carnation-ALMA

The most productive Carnation we have. Rose Pink. new, $5.00 per 100; $40.00 per 1000.

Daybreak, $2.00 per 100; $15.00 per 1000.
Wm. Scott, Genesee, Evelina, Portia and **Bon Ton,** $1.50 per 100; $10.00 per 1000.
Victor, $1.50 per 100; $12.00 per 1000.
F. Hill, $1.75 per 100; $15.00 per 1000.
White Cloud, $2.50 per 100; $20 per 1000.
Jubilee, $2.00 per 100; $15.00 per 1000.

BABY PRIMROSE 3 in., strong, per doz., $1.50; per 100, $10 00.

C. MERKEL & SON, Mentor, Ohio

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing.

Rooted Cuttings—Carnations

Gomez, Maceo, Jubilee, White Cloud, Flora Hill, Daybreak, Scott, McGowan, Portia, Eldorado and Anna Webb.

WRITE FOR PRICES.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000
Mrs. Lawson	$14 00	$120 00
G. H. Crane	5 00	
America	5 00	40 00
White Cloud	2 50	20 00
Triumph	2 50	20 00
Evanston	2 50	20 00
Jubilee	2 00	15 00
Gold Nugget	2 00	15 00
Flora Hill	$1 25	$10 00
Daybreak	1 25	10 00
Argyle	1 25	10 00
Armazindy	1 25	10 00
Lizzie McGowan	75	5 00
Mayor Pingree	1 00	7 50
W. Scott	1 00	7 50
Tidal Wave	1 00	7 50

ROSES.

	Per 100	Per 1000
La France	$2 00	$17 50
Perle	1 50	12 50
Bridesmaid	1 50	12 50
Meteor	$1 50	$12 50
Bride	1 50	12 50

LA FRANCE, BRIDESMAID, BRIDE, PERLE,
2¼ inch plants, from pots, $3.50 per 100; $30.00 per 1000.

Stock to be first class and to be sold under the conditions that they shall be returned immediately if not satisfactory. Address

GEORGE REINBERG,
51 Wabash Avenue, CHICAGO, ILL.

Mention this paper.

CARNATIONS

Strong, Well Rooted Cuttings, Select Stock.

	Per 100	Per 1000
G. H. CRANE	$6 00	$50 00
MORNING GLORY	6 00	50 00
GEN. MACEO	6 00	50 00
GLACIER	6 00	50 00
AMERICA	5 00	40 00
GOMEZ	$5 00	$40 00
MRS. GEO. M. BRADT	5 00	40 00
WHITE CLOUD	4 00	30 00
MARY WOOD	3 00	25 00
MRS. F. JOOST	3 00	25 00

AND OTHER STANDARD SORTS.

FIVE 1900 NOVELTIES.

	Per 100	Per 1000
MRS. THOS. LAWSON	$14 00	$120 00
ETHEL CROCKER	10 00	75 00
MARQUIS	10 00	75 00
OLYMPIA	$12 00	$100 00
GENEVIEVE LORD	10 00	75 00

Send for Descriptive Price List.

F. DORNER & SONS CO.,

LAFAYETTE, IND.

Mention the Florists' Exchange when writing.

CARNATION Cuttings.

	Per 100	1000
MRS. LAWSON	$14.00	$120.00
G. H. CRANE	5.00	
AMERICA	3 00	25 00
MELBA	3.00	25.00
LESLIE PAUL	3.00	25.00
GOV. GRIGGS	3.00	25.00
MRS. BRADT	2.50	20.00
FRANCES JOOST	2.50	20.00
EVANSTON	2.50	20.00
JUBILEE	2.00	15.00
NUGGET	2.00	15.00
WHITE CLOUD	2.00	15.00
FLORA HILL	1.50	12.50
TRIUMPH	1.50	12.50
VICTOR	1.50	12.50
DAYBREAK	1.25	10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
McGOWAN	1.00	7.50
MAYOR PINGREE	1.00	7.50
NIVEA	1.00	7.50
EVELINA	1.00	7.50
WM. SCOTT	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS.

	Per 100	1000
BRIDE	$1.50	$12.50
BRIDESMAID	1.50	12.50
METEOR	1.50	12.50
PERLE	1.50	12.50
GOLDEN GATE	2 50	

ROSE PLANTS From 2½ in. Pots.

	Per 100	1000
BRIDESMAID	$3.00	$25.00
BRIDE	3.00	25.00
PERLE	3.00	25,00
METEOR	3.00	25.00
GOLDEN GATE	4.00	35.00
KAISERIN	4.00	35.00

All plants and cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded.

Write for prices on larger lots.

PETER REINBERG,
51 Wabash Ave., Chicago.

Mention the Florists' Exchange when writing.

"SCOTT"

CARNATIONS, Clean, Healthy Rooted Cuttings.	Per 100.	1000.
Extra Heavy from Soil,	$2.25	$20.00
Well Established from Soil,	1.75	15.00
Strong, from Sand,	1.25	10.00

Cash with order, please.

JOHN CURWEN, JR., Glen Head, L. I., N.Y.

Mention the Florists' Exchange when writing.

ROOTED

CARNATION CUTTINGS.

ETHEL CROCKER	$10 00 per 100
THE MARQUIS	10 00 "
G. H. CRANE	5 00 "
WHITE CLOUD	2 50 "
MRS. JOOST	2 00 "
VICTOR	1 25 "
DAYBREAK	1 25 "

H. F. LITTLEFIELD, Worcester, Mass.

Mention the Florists' Exchange when writing.

LOOK HERE!

Strong Carnation Cuttings

FROM FLATS.

Mary Wood, White Cloud, John Young, Genesee, Melba, $2.00 per 100; $18 per 1000.
Firefly, Jahn's Scarlet, Flora Hill, Daybreak, Storm King, Armazindy, Helen Keller, Albertina, $1.50 per 100; $13.00 per 1000.
Scott, McGowan, Portia, $1.25 per 100; $10.00 per 1000.

250 at 1000 rates. CASH WITH THE ORDER.
ALSO A FULL LINE OF BEDDING PLANTS.

JAMES E. BEACH, Box 776, **Bridgeport, Conn.**

Mention the Florists' Exchange when writing.

This is the Time for Florists to Send in for Our Prices on Their List of Requirements.

HENDERSON'S SUPERIOR BULBS

For Summer AND Fall Delivery

HENDERSON'S SUPERIOR Bermuda Easter Lily Bulbs

(Lilium Harrisii.)

AUGUST DELIVERY.

FIRST SIZE BULBS.
(5 to 7 inches in circum.)
$4.50 per 100;
$42.00 per 1000.

EXTRA SIZE BULBS.
(7 to 9 inches in circum.)
$10.00 per 100;
$90.00 per 1000.

Monstrous Size Bulbs.
(9 to 11 inches in circum.)
$20.00 per 100;
$190.00 per 1000.

HENDERSON'S SUPERIOR JAPAN EASTER LILY BULBS.

(Lilium Longiflorum.)

SEPT. DELIVERY.

FIRST SIZE BULBS.
(5 to 7 inches in circum.)
$3.00 per 100;
$25.00 per 1000.

Intermediate Size Bulbs.
(6 to 8 inches in circum.)
$3.75 per 100;
$33.00 per 1000.

EXTRA SIZE BULBS.
(7 to 9 inches in circum.)
$5.50 per 100;
$52.00 per 1000.

Monstrous Size Bulbs.
(9 to 11 inches in circum.)
$9.00 per 100;
$80.00 per 1000.



For Summer AND Fall Delivery

HENDERSON'S SUPERIOR White Roman Hyacinths

FIRST SIZE BULBS.
12 centimetres and over.
$2.00 per 100;
$17.50 per 1000.

EXTRA SIZE BULBS.
13 centimetres and over.
$2.25 per 100;
$20.00 per 1000.

SELECTED SPECIAL
14 centimetres and over.
$2.50 per 100;
$22.50 per 1000.

MAMMOTH BULBS.
15 centimetres and over.
$2.75 per 100;
$25.00 per 1000.

NARCISSUS

Paper White,

EXTRA SIZE BULBS.
75 cts. per 100;
$6.50 per 1000.

Paper White Grandiflora.

EXTRA SIZE BULBS.
$1 a 100; $8.50 a 1000.

SELECTED SPECIAL
$1.25 a 100; $10 a 1000.

FREESIAS

Refracta Alba.

FIRST SIZE BULBS.
50c. a 100; $4 a 1000.

SELECTED BULBS.
75c. a 100; $6 a 1000.

MAMMOTH BULBS.
$1 a 100; $9 a 1000.

EVERYTHING TO GAIN AND NOTHING TO LOSE BY ORDERING NOW! Should we be able to sell lower before delivery will give present purchasers benefit.

We Are the Largest Importers, Dealers and Growers of Bulbs in America!

And handling the unusually large quantities that we do, and besides being experienced forcers ourselves, we are in consequence enabled to select **SUPERIOR STOCK** at advantageous prices, allowing us to offer **SUPERIOR BULBS at Inviting Prices.**

PETER HENDERSON & CO. 35 and 37 Cortlandt Street. **NEW YORK**

Mention paper.

HEACOCK'S PALMS

Awarded Certificate of Merit, Penna. Horticultural Exhibition at Phila., March 21st, 1900, for Choice Areca Lutescens, Etc., Etc.



Choice ARECA LUTESCENS, KENTIA BELMOREANA, and LATANIA BORBONICA.

All perfect and symmetrical plants, alike on all sides, with every leaf perfect from the pot up. Grown especially for the decorator. They are as good, if not better, than any I have offered before. Prices are as follows:

ARECA LUTESCENS.

	Each
9 inch pots, very bushy, 5 feet high	$5 00
12 inch pots, very bushy, 6 feet high	$10.00 to 15 00
14 inch pots, very bushy, 6 to 7 feet high	20 00
15 inch pots, very bushy, 7 to 8 feet high	25 00

KENTIA BELMOREANA.

	Per Doz.	Per 100
3 inch pots, 4 to 5 leaves, 10 to 12 inches high	$3 00	$25 00
4 inch pots, 5 to 6 leaves, 15 to 18 inches high	6 00	50 00
6 inch pots, 6 leaves, 20 to 24 inches high	18 00	150 00

LATANIA BORBONICA.

	Each
8 inch pots, 8 leaves, 24 inches high by 36 inches wide	$1 50
10 inch pots, 9 to 10 leaves, 30 to 36 inches high by 42 inches wide	4 00

My packing is done in the best possible manner, and shipping facilities for both freight and express are unsurpassed. **A TRIAL ORDER IS SOLICITED.**

JOSEPH HEACOCK, Mention this paper. **Wyncote, Pa.**

Hardy ferns for cultivation. Try them in your planting, they will thrive and increase in size and beauty where other plants fail. Catalogue of these and other herbaceous perennials.
Edw. Gillett, Southwick, Mass.

Mention the Florists' Exchange when writing.

LATANIA BORBONICA

4 inch pots..... $2.50 per doz; $20.00 per 100.
5 " ..... 4.75 " 35.00 "
6 " ..... 9.00 " 70.00 "
7 " ..... 1.25 each, and fine specimen plants from $6.00 and upwards.

Areca Lutescens, fine plants from $5.00 upwards.
Kentia Belmoreana and **Forsteriana**—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, well grown, from $2.50 and upwards.
Phœnix reclinata, 4 in. pots, 25c. each, $20 per 100; 5 in. pots, 40c. each, $35.00 per 100; 6 in. pots, 60c. each, $55.00 per 100; 7 in. pots, $1.25 each.
Phœnix Canariensis, Rupicola and **Reclinata,** fine specimen plants, from $3.00 to $5.00 each.
Cocos Weddeliana, from 2 in. pots, $1.50 per doz.
ASPARAGUS SPRENGERI 3 in. pots, $1.00 a doz. 5 in. pots, 25c. each.

JOHN BADER, Trey Hill, **Allegheny, Pa.**
L. D. TELEPHONE 872.

Mention the Florists' Exchange when writing.

Choice Plants! Low Prices!

All following are in first-rate condition.

CLEMATIS PANICULATA, strong, in flats, 100 Mailed, $1.25.
BEGONIA VERNON, 6 sorts, mixed, in flats, 100 Mailed, $1.25.
PEPEROMIA ARGYREA and **ARIFOLIA,** 100 Mailed, $1.25.
LYGODIUM SCANDENS, climbing fern, 2 inch pots, per 100, $3.00.
PTERIS TREMULA, 2 inch pots, per 100, $3 00.
PTERIS DEVEYANA, new, 1899, 2 inch pots, per dozen, $2.00.
NEPHROLEPIS WASHINGTONIENSIS, new 2 inch pots, 6 mailed, $1 25.
NEPHROLEPIS PHILLIPENSE, 2 inch pots, strong, per 100, $4.00.
GENISTA RACEMOSA, 5 inch, full bushes, full of flower spikes, per dozen, $2.00.
CYPERUS ALTERNIFOLIUS, 4 inch, per 100, $5.00. Carefully Packed. Cash with Order.

JOHN H. LEY, Good Hope, Washington, D.C.

Mention the Florists' Exchange when writing.

IRISH JUNIPER

Handsome little plants, 3 to 4 inches, transplanted last May out doors. Per 1000
Irish Juniper, tp, 3 to 4 inches..... $35 00
" " " 4 to 5 inches..... 40 00
Siberian Arbor Vitæ, tp., 3 to 4 inches..... 30 00
" " " 4 to 6 inches..... 40 00

Send for Trade List.

JENKINS EVERGREEN & SEEDLING NURSERY, WINONA, OHIO.

Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis

$2.50 per 100.

Nephrolepis Exaltata (Sword Fern), $12 a 1000

CRINUM Kirkii..... .....$6 00 per 100

AMARYLLIS Equestre.. $4 00 per 100

A. WICHERS, - - San Antonio, Fla.

Mention the Florists' Exchange when writing.

Ferns! Ferns!

We still have a nice lot in fine shape, suitable for fern dishes, etc. A good variety and nice, bushy stock, 2¼ inch pots, $3.50 per 100; $30.00 per 1000. Express paid to New York.

H. WESTON & BRO., Hempstead, L.I., N.Y.

Mention the Florists' Exchange when writing.

FERNS!

From 2¼ inch pots.

Cyrtomium Falcatum..... $3.00 per 100.
Pteris Cretica Magnifica..... 3.00 "
Aspidium Tsusimense..... 2.50 "
" " from 3½ in. pots 7.00 "

Cash with order.

L. MENAND, Cemetery Ave., **Albany, N. Y.**

Mention the Florists' Exchange when writing.



PALMS AND OTHER **DECORATIVE PLANTS**

At Greatly Reduced Prices.

Stock large and in fine condition.

Send for new Wholesale list. Special prices on large orders. Send in list of your wants.

W. J. HESSER, Plattsmouth, Neb.

Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.
1730 CAMBRIDGE ST.

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ORCHIDS

We are headquarters in the United States for established and imported Orchids. Our new price list for 1900 is now ready.

Cherry Wood Baskets, Fresh Moss and Peat.

LAGER & HURRELL,
Correspondence Solicited. SUMMIT, N. J.

Mention the Florists' Exchange when writing.

FLORISTS' ORCHIDS { **SANDER** ST. ALBANS, ENGLAND AND **BRUGES, BELGIUM.**

The largest and finest stock in the world.

A. DIMMOCK, our representative, is now in the U. S. and will be pleased to reply to any communications addressed to **60 Vesey Street, New York.** Lists on application.

Mention the Florists' Exchange when writing.



WE deal in all Orchid growing Supplies: **Plants, Pans, Baskets, Peat, Special Fertilizer** and **Manual of Culture.** Circulars sent on request. WILLOWMEAD GARDENS, East Orange, N. J.

Mention the Florists' Exchange when writing.

SURPLUS STOCK OF GOOD VALUE.

Asparagus Spengeri. 6 in., 35c., 10 in. baskets, $1.00.
Asparagus Plumosus Nanus. 3 in., $8.00 per 100.
Ipomœa, blue, strong. 2½ in., $3.00 per 100.
Alyssum, double white, strong. 2½ in., $3.00 per 100. Cuttings, 60c. per 100.
Thrinax, variegated, strong. 2½ in., $3.00 per 100.
Violets, California, strong, 3½ in., $3.00 per 100. Runners, $1.00 per 100.
Transplanted Plants, $1 50 per 100 of Stocks, Dbl. White, Mignonette, true Machet, Hollyhock, Dbl. White, Jerusalem Cherry, Ardesia Crenulata.
Carnation Cuttings, strictly clean. Daybreak, $2.00 per 100; Scott, $1.50 per 100; Sandusky, $2.00 per 100; Maude Adams, $2 00 per 100; St. Clair, red, mooey maker, $2 50 per 100

A. G. FEHR, Belleville, Ill.

Mention the Florists' Exchange when writing.

THE NEW FERN.

Nephrolepis Exaltata Gigantea.

Has broad leaflets and the longest fronds of all the Nephrolepis. For beauty and grand specimens by far surpasses the famed Boston Fern; fronds of an average plant 9 to 12 feet high and up. Price of nice young plants,

25 cents each, 3 for 50 cents, by mail; $5.00 per 100, by express.

Send for price-list of Plants, Bulbs, Seed and Decorative Stock.

SOAR BROS., Little River, Fla.

Mention the Florists' Exchange when writing.

ELIZABETH NURSERY CO.

ROSES

In 3 and 4 Inch Pots. $1.20 Per 10; $10.00 Per 100.

75	Alfred Colomb	50	Glorie de Polyantha	65	Marion Dingee	50	Queen's Scarlet.
250	Anne de Diesbach	40	Henry Martin	75	Marshall P. Wilder	50	Rainbow
150	Baltimore Belle	70	John Hopper	150	Mary Washington	500	Rosa Lævigata
175	Baron de Bonstettin	45	Jules Margottin	40	Mignonette	100	Russell's Cottage
50	Beaute Inconstant	175	La France	90	Moselia	75	Seven Sisters
95	Climbing White Pet	48	La Reine	50	Mrs. Degraw	60	Snowflake
150	Clio	95	Mme. Abel Chatenay	75	Mrs. John Laing	115	Souv. du Pres. Carnot
125	Clothilde Soupert	135	" Caroline Testout	30	Mrs. Lovett	75	" de Wootton
225	Coquette des Alpes	45	" Francis Krueger	225	Niphetos	75	Tennessee Belle
80	" " Blanches	40	" Cecil Brunner	40	Papa Gontier	40	The Queen
45	Countess C. de Chabrillaat	75	" Gabriel Luizet	50	Parquette	50	Universal Favorite
1000	Crimson Rambler	25	" Masson	825	Paul Neyron	250	Ulrich Brunner
100	Duchess of Albany	40	" de Watteville	50	Perles des Blanches	190	Vick's Caprice
75	Etoile de Lyon	1000	Magna Charta	200	Perle des Jardins	60	Victor Verdier
175	Empress of China	100	Maman Cochet	25	Pink Daily	75	Wichuraiana
50	Felicite Perpetue	35	Mauda's Triumph	230	" Rambler	55	White Maman Cochet
100	Fisher Holmes	80	Marchioness of Lorne	150	" Soupert	40	White Pet-
700	Francois Levet	135	Marechal Niel	120	Prairie Queen	100	White Rambler
900	Gen. Jacqueminot	150	Marie Guillot	145	Prince Camille de Rohan	200	" La France
40	Gen. Robt. E. Lee	50	" Rady	75	Princess Adelaide	60	" Perle
50	Geo. Pernet		70 other varieties in small quantities.			50	W. N. Cranston

In 3 and 4 Inch Pots,

$1.60 per 10; $15.00 per 100.

190	Champion of the World
280	Child's Jewel
150	Climbing Meteor
140	Hallowe'en
180	Highland Mary
270	Kaiserin Augusta Victoria
130	Mrs. Robt. Garret

250,000 ROSES,

IN 2 INCH POTS.

In 240 Varieties.

Prices on Application.

60,000 CLEMATIS PANICULATA!

All Field-Grown, Very Finely Rooted.

	10	100	1000
No. 1, first-class	$1 00	$8 00	$70 00
No. 2	80	6 00	50 00
No. 3	60	5 00	40 00
X size	1 25	10 00	80 00
XX size	2 00	15 00	
Pot plants, extra fine	6	4 00	35 00

187,000 CALIFORNIA PRIVET!

		100	1000
CALIFORNIA PRIVET.	10 to 15 inches	$1 80	$12 00
"	15 to 18 "	2 00	18 00
"	18 to 24 "	2 50	22 50
"	2 to 3 feet	3 50	30 00
"	2 to 3 feet, heavy	4 00	35 00
"	3 to 3½ feet	4 50	40 00
"	3 to 4 " heavy	5 50	50 00

DECIDUOUS TREES.

		10	100
ASH, White.	8 to 10 feet	$2 00	$15 00
Mountain.	7 to 9 feet	1 50	12 00
BEECH, European.	5 to 6 feet	2 50	20 00
Purple-leaved.	4 to 5 feet	5 00	
"	5 to 6 "	6 50	
CATALPA BUNGEII		7 50	
DOGWOOD, White-flowering.	4 to 5 ft.	2 50	
HORSE CHESTNUT.	6 to 7 feet	2 75	20 00
" "	9 to 10 feet	6 00	50 00
LINDEN, European.	8 to 10 feet	4 00	38 00
MAPLE, Silver.	5 to 6 feet....each, 10c.	60	5 00
" "	8 to 10 " .... " 20c.	1 00	7 00
" "	8 to 10 " X.. " 20c.	1 50	10 00
" "	10 to 12 " .... " 30c.	2 50	15 00
" "	14 to 16 "	4 00	30 00
Sugar.	8 to 10 feet	2 50	20 00
"	10 to 12 " selected	4 00	35 00
Norway.	Transplanted, X straight, fine for transplanting, 6 to 8 feet		7 50
Norway.	8 to 10 feet	3 00	25 00
"	10 to 12 "	4 00	35 00
"	12 to 14 " 1¾ to 2 in. diam..	6 00	
MAPLES, Japan, Acer Japonicum Atropurpureum.			
	12 to 18 inches	2 50	
	18 to 24 "	3 00	
	2 to 2½ feet	6 50	
	2 to 2½ " light	3 50	
Dissectum.	18 to 24 inches	4 00	
"	2 to 2½ feet	7 00	
Polymorphum.	2 to 3 feet, light	1 00	
Sanguineum.	12 to 18 inches	2 50	
MAGNOLIA Glauca.	3 to 4 feet	4 00	
Hypo'euca.	12 to 18 inches	3 00.	
Parviflora.	12 to 18 inches	4 00	
"	1½ to 2 feet	5 00	
Purpurea.	3 feet, heavy	3 50	
"	4 "	4 50	
Stellata.	1 to 1½ feet	3 50	
"	1½ to 2 feet, bushy	6 00	
MAGNOLIA Soulangeana.	All sizes. Priced on application.	10	100
OAK, Pin.	5 to 6 feet	$5 00	
" "	6 to 8 "	7 00	
POPLAR, Carolina.	8 to 10 feet	2 00	$15 00
" "	10 to 12 "	3 50	28 00
" "	12 to 14 "	5 00	35 00
Lombardy.	8 to 10 feet	3 00	
"	10 to 12 "	4 00	35 00
Golden.	8 to 10 feet	3 00	

WEEPING TREES.

CHERRY, Japan Rose-flowered.			
2 to 3 feet.	Fine	5 00	
4 to 5 "		6 50	

EVERGREENS.

		10	100	1000
ARBOR VITÆ, Americau.				
12 to 18 inches, transplanted			$2 00	$15 00
15 to 20 " "	Spriog, '99		2 50	20 00
2 to 3 feet		$1 25	6 50	55 00
3 to 4 "		2 00	10 00	90 00
4 to 5 "		4 00	20 00	
5 to 6 "		5 00	45 00	
BOX, Tree.	6 to 10 inches		2 00	
Mahoney Aquifolia.	18 to 24 in.	1 00	8 00	
RETINOSPORA Plumosa Aurea.	2½ to 3 feet	4 00		
Sheared, X fine		6 00		

DECIDUOUS SHRUBS.

		10	100
ALTHEA, single mixed.	2 to 3 feet	$0 45	$4 00
CARYOPTERIS Mastacanthus.	2 feet, strong, field grown	1 00	9 00
	18 inches to 2 feet	75	7 00
CLETHRA Alnifolia.	2 to 3 feet	60	5 00
	3 to 4 feet	80	7 00
DEUTZIA Crenata and Pride of Rochester.	2 to 3 feet	60	5 00
EUONYMUS Europeus.	4 to 5 feet	$1 00	$8 00
FORSYTHIA Fortunei, Suspensa, Viridissima.	2 to 3 feet	60	5 00
	3 to 4 feet	80	7 00
HYDRANGEA, P. G.	8 to 10 inches, 1 year		2 00
	18 inches to 2 feet	75	7 00
	2 to 3 feet	1 00	9 00
	3 to 4 feet	1 80	15 00
JASMINE, White and Yellow.	Strong	1 00	7 00
RIBES, Aureum (Yellow Fl. Currant).	2 to 3 feet		5 00
Sanguineum (Red Fl. Currant).	2 to 3 feet	70	6 00
SPIRÆAS, in assortment		$4.00 to	6 00
DAPHNE CNEORUM		1 50	12 00
THORN, Single White.	8 to 9 feet	3 00	
VIBURNUM Lantana.	2 to 3 feet	80	7 00
	3 to 4 feet	1 25	10 00
Plicatum.	2½ to 3 feet, bushy transplanted	1 50	12 00
	3 to 3½ " " very heavy	2 00	15 00
	15 to 18 inches	80	7 50
	Pot plants, 1 year, 8 to 10 inches, extra fine	60	5 00

CLIMBING PLANTS.

		10	100	1000
BIGNONIA, Radicans.	Strong, each, 10 cts.		$0 75	$5 00
HONEYSUCKLE, in a variety, $3.00 to			8.00	
We will supply 1000 Honeysuckles, light plants, our selection, for $20.00.				
IVY, English.	3-inch pots	1 00	9 00	
MATRIMONY VINE.	Strong	80	7 00	
VIRGINIA CREEPER (Ampelopsis Quinquefolia),	2 years strong	75	5 00	$45 00
WISTARIA.	White, 3 years	1 25	10 00	
	Purple, 2 years, 15 inches	60	5 00	

☞ Prices will be given for larger sizes when wanted either in Shrubs or Trees.

YOUNG STOCK FOR TRANSPLANTING. Name quantity wanted. Will give low prices.

YOUNG EVERGREENS FOR TRANSPLANTING. Low prices given on application.

135,000 AMPELOPSIS VEITCHII!

BOSTON IVY.

2 and 3 Years, Field-Grown. By the 10,000 if Wanted.

	10	100	1000		10	100	1000
No. 1	$0 80	$6 00	$50 00	1 year	$0 30	$2 00	$15 00
No. 2	65	5 00	45 00	X size	1 00	8 00	75 00
No. 3	50	4 00	35 00	XX size	1 25	9 00	85 00

PINK, WHITE and YELLOW RAMBLERS, $6 00 per 100.

CRIMSON RAMBLERS, 4 to 5 feet, $20.00 per 100.

3 NEW EVERGREEN ROSES

JERSEY BEAUTY, GARDENIA, EVERGREEN GEM,

35 cts. each; $30.00 per 100.

SPECIAL PRICES==BARGAINS

	100
500 Norway Maples, 10 to 12 feet	$15 00
500 Silver Maples, 12 to 16 feet	15 00
1000 Spireas, assorted, 2 to 3 feet	30 00
500 Altheas, single, extra fine..	5 00

	1000
Eulalia Gracillima	$15 00
" Zebrina	30 00
	100
Daphne Cneorum, per 10, $1.25	12 00
Yucca Filimentosa	6 00

Cratægus Oxycantha. Single White Thorn, 2 to 3 feet, 3 to 4 feet, 5 to 6 feet, and 6 to 8 feet	$5.00 to 15 00
3000 Francois Levet Rose, No. 1, 1 to 3 feet, own roots	7 00
" " " second size, own roots	5 00
Felicite Perpetue, 2 to 3 feet	6 00
Pæonies, Paul Neyron, very large pink, per 10, 80c.	6 00
" 50 named varieties	10 00
15 varieties of field grown Phlox	5 00
Phlox Subulata. XX fine	6 00
Iris. Blue and white	2 00

Parties ordering are especially requested to name prices and state where they saw this advertisement.

TELEPHONE, ELIZABETH 1251.

THE ELIZABETH NURSERY CO., ELIZABETH, N. J.

To those who have not received our Wholesale List we will gladly send one.

EASTER

Give Us Your Orders Early

American Beauties

Lilies, Roses

and Carnations

FOR EVERYBODY

WIETOR BROTHERS

51 and 53 Wabash Avenue

CHICAGO

FOR EASTER

ASPARAGUS PLUMOSUS NANUS



STRINGS 8 FEET LONG,
50 Cents.

W. H. ELLIOTT, Brighton, Mass.

Mention the Florists' Exchange when writing.

1877... ...1900

Your Easter Orders for Cut Flowers

Will be Given Prompt, Careful and Satisfactory Attention if You Send Them to Us

WE WILL HAVE A MOST COMPLETE ASSSORTMENT OF ALL FLOWERS IN SEASON, INCLUDING

Roses BRIDES, MAIDS, BEAUTIES, CARNOT, KAISERIN, METEOR

Carnations STANDARDS AND NOVELTIES

SINGLE AND DOUBLE **Violets**

VALLEY, MIGNONETTE, SMILAX, ASPARAGUS,

GALAX, and other Decorative Goods



LILIES LONGIFLORUM and HARRISII

Have made Special Arrangements for handling a large quantity of both POT PLANTS and CUT FLOWERS.

Write us when you see this advertisement

And whatever else your trade may call for.

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We are offering a Very Choice Stock of

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Among them the Following:

AZALEAS, 12 in., 15 in., 18 in., 24 in. heads, 50c., 75c., $1.00, $2.00, $2.50.
HYDRANGEAS, 5 inch and 6 inch pots, 75c., $1.00, $1.50.
KENTIAS, 5 in. and 6 in., 50c., 75c., $1.00.
GENISTAS, 5 in., 75c.
SPIRÆA, $4.00 per doz.

Crimson Ramblers,
(Fine Specimen Plants.)
6 in. and 7 in. pots, $2.00, $3.00, $4.00, $5.00.

Wholesale Florist

AMERICAN BEAUTY ROSES
OUR SPECIALTY.

We will have a large stock in the best grades.

Also a full line of all other Roses, including the new rose, **LIBERTY.**

Wild Smilax, Galax Leaves, Fancy and Common Ferns, Etc., In Quantity.

Easter Lilies,
PLANTS AND CUT.
In Large Quantity.

Also a Full Assortment of Bulbous Stock,

Valley, Narcissus, Tulips, Etc.

All Other Flowers in Equal Proportion.

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ALL PACKING CAREFULLY DONE.

Mention the Florists' Exchange when writing.

Bermuda and its Floral Products.

BY M. G. KAINS.

After a two days' generally rough passage by steamer to the southwest of New York, the green hills of Bermuda, dotted with snow white cottages and rain sheds, rise with the dawn out of the sea. About noon the vessel arrives at the wharf and the sea-sick voyager looks forward to a meal.

He soon discovers that, though in a strange land, he is among old friends, for where can the florist not find acquaintances? Here is a lantana growing by the roadside. Another, hundreds of them! That old wall is crested with bryophyllum in full blossom. Here is a hedge of oleander, single, double, red, pink, white, cream and deep crimson. Beyond this he sees phœnix, cocos, latania, kentia, cycas, banana, crinum and amaryllis growing in a garden surrounded by hedges of acalypha and hibiscus—the latter a blaze of scarlet glory. The house is half concealed, but through the openings he sees a wide veranda draped with the purple velvet of bougainvillea, pilea, pelargoniums, coleus—a whole florist's establishment has escaped from the bitter North and grown ten times more beautiful in this "Land of the Lily and the Rose."

Since Bermuda furnishes nearly all our Easter lilies, the florist naturally turns his steps toward the fields. He has not far to go. Ten minutes walk from the wharf will suffice. He passes very few pieces of available ground that are without a crop; if not lilies, then onions, potatoes, bananas, grass—something. If he happens to be there about Easter the fields will look like that shown in Fig. 2, a sea of blossom. And nearly always, as in this picture, he may obtain a glimpse of the green Atlantic glistening in the sunshine.

Our florist enters into conversation with the grower, who, like all his neighbors, is glad to talk with any interested listener. He is told that shipment of lily buds is growing in disfavor among the growers, and that each year sees a decline in consignments. The risk is too great and the injury to the plants is coming to be better understood. He is also pleased to hear that the efforts of Mr. G. A. Bishop, superintendent of the public gardens, are being appreciated by the people in general, farmers as well as lily growers. Mr. Bishop's suggestions, at first tried doubtingly and experimentally, have more frequently resulted in improved crops than otherwise. The result is more consultation and less adverse criticism than when he first arrived to preach the gospel of scientific husbandry.

The improvement in the lily crop has been most marked. More careful selection of stock has been practiced; the sets are now rather generally treated with one of several mixtures to kill mites and diseases; the problems of fertilizers and humus supply are more carefully considered; the plants are now being sprayed with Bordeaux mixture, to prevent disease rather than being dribbled upon after the diseases have gained a sure footing, and are therefore beyond the reach of fungicides; and cultivation itself is receiving closer attention. All this is very satisfactory.

The informant is curious to know the florist's opinion as to the growing of lilies in the United States. He declares it will be impossible; that is an article of his creed. No sun, no soil, no seasons upon the mainland to compare with Burmudian ditto. He feels secure. Our florist delivers himself somewhat as follows: Whether Bermuda will always continue to supply the American markets cannot be predicted. There are still wonderful improvements possible in the lily, improvements that would mean much to the florist consumers. In the one matter of time necessary to produce blossoms from the bulbs as received there is ample opportunity for scientific selection. The most casual glance at the fields or the benches of lilies in a greenhouse will show that some plants blossom several weeks before their neighbors. Selection of these toward the establishment of a variety that could be counted upon to come off the benches within a few days of one another, like a lettuce crop, seems the most promising opening for improvement. At the same time care exercised in breeding from only the most robust, healthy stock would work greatly to the advantage, not only of the florist but of the grower. Many of the plants are less subject to disease than others, and advantage should be taken of this to produce disease-resisting strains. Had selection toward these ends been practiced by the growers they would not now be asking questions as to the possible success of experiments in growing the lily in the United States; the florists would not have had to make complaints of poor stock and the growers would have enlarged rather than contracted their market. As to the United States developing this industry within its own borders, such a thing, if possible, must be expected, and for this reason the Bermudian growers, the best of them, have been roused through the fear of such an event, to an appreciation of their situation, and, as has been said, are improving their methods.

Up to the present time attempts to grow this bulb in America have not been very successful, probably on account of lack of cultural knowledge on the part of the experimenters, unsuitableness of soil or climate and such like. But if the Easter lily can be grown in this country at a lower cost than in Bermuda or of such superior quality as to take precedence of Bermudian bulbs it will, like the tuberose and gladiolus, find a commercial home and the present growers will lose their market. But should the experiments now being conducted in the Atlantic and Gulf States by the Department of Agriculture prove a failure, the outlay will not be a loss since the mere knowledge that such trials are being made have had their effect already upon the present growers and our florists even now obtain better stock. Greater improvement may be expected.

The methods of growing these bulbs have already been discussed at length in the FLORISTS' EXCHANGE, and improvements in cultural practices do not seem to deserve a more extended notice than has been given above. It will interest the reader, however, to see a picture of the planters at work. Fig. 1 not only shows this but gives a very fair idea of the nature of the country. A piece of land as large as an acre that does not tilt in some direction is hard to find, and cultivated fields as large as five acres are very rare. Some of the lily "plantations" are so small that an active man could jump across them in any direction, crop and all. Cultural operations are all manual. Plows are light, one-horse and reversible harrows and cultivators almost unknown. Lilies and onions are grown in beds about four feet wide and weeded with finger and thumb.

When one considers the small size of the fields, learns that arable land seldom rents for less than $50 an acre, and that rock is very close to the surface in many places, he understands why hand labor is so generally practiced. Every inch of ground must be made to produce its crop, and horse cultivation would mean needless loss of space around and through the field. Hand labor admits of very close planting.

The photo also shows a common method of fencing. All fences in Bermuda are stone. In this case the stones are merely piled up and given no further attention. Being very soft they are easily acted upon by rain and soon dwindle away. At the left is seen a small row of shrubs, where a wall has almost disappeared. In order to preserve these stone walls, the best are made of rectangular blocks and whitewashed twice a year like the houses, which, roofs and all, are of stone. Sometimes a man will excavate a cellar, sawing out the stone, using the sawdust for sand, the broken stone to make lime, and with the perfect blocks make his walls and roof—a house built out of a cellar, the only articles purchased being the hardware and the wooden parts.

Another thing exhibited by both the photographs is the nature of the tree growth, a gnarly juniper, commonly called cedar, grows everywhere, serving the necessary purpose of windbreaks but affording very poor shade. Indeed, some Bermudians claim that the air is hotter under a "cedar" than out in the sun.

Besides the lily, Bermuda sends us quantities of freesias. These are grown to a much less extent, of course, than lilies, but are none the less interesting on that account. They grow readily from seed and small bulbs, one year being sufficient to produce a marketable crop. They are very prolific, in fact so much so that when a grower propagates from bulblets he may often produce two or three times as much stock as will plant the area they have grown upon, and these in addition to a heavy crop of marketable bulbs of first quality. The florist that grows only a few flats of freesias can form but a faint idea of the appearance and the fragrance of these flowers from a field in full blossom. The freesia is unlike the lily in two ways: its odor is always pleasing, never overpowering, and it perfumes the air for rods around the patch. The lily does not give its fragrance to the breeze. Standing upon the leeward side of a blossoming lily field it is possible to be unaware of its presence by any information that the nose might give. The air is not perfumed to a noticeable degree.

No other crop that the florist is specially interested in is now exported from the islands. At one time there was a fairly good trade in cycas leaves and plants, the former particularly. This is now practically extinct, since in the West Indian islands the plants grow more rapidly and can be placed upon our markets at lower prices. Roses of all kinds grow out-of-doors and during the tourist season may be bought for 20c. to 25c. a dozen. At other times they cost much less. Being grown in the open air they are generally more lasting and more fragrant than ours grown under glass.

Bryophyllum and cacti grow upon every old wall and when in flower are very beautiful. Various species of agave may be seen upon all sides, many in blossom. Poinsettias are in every garden, accentuating with their scarlet bracts the beauties of the scene. They are not, however, to be compared with plants grown in the greenhouse. They are large, almost leafless shrubs, and out of several thousand it would be impossible to select more than one or two tops that would stand comparison with average hothouse specimens. Acalypha and hibiscus are marvels. In one instance the former produced from rooted cuttings a hedge nearly 4 feet high in 13 months. Opposite this was a hedge of hibiscus about 12 feet high that blooms profusely during the whole Winter.



Fig. 1. Lily Planting in Bermuda—Rolling nature of the Land—Small size of Fields—Poorest method of Fencing—Utility of Woods as Shelters—Everything Hand Labor.

With such material the Bermudians surround their homes, a good idea of which may be obtained from the accompanying photo. Fig. 3. Here are several of the subjects mentioned above. By the gate is a pomegranate which produces its waxy pink blossoms in profusion, and were it not for the attentions of rats, would yield plenty of fruit. Upon the terrace is a growth of sansseveria and geranium; below are bedding plants in variety and abandonment.

Yes, Bermuda is a florist's paradise, full of beautiful flowers and plants; peaceful, restful, cheerful. The only drawbacks are the getting there and the coming away. The passage is one of the roughest on the globe, and passengers the least subject to seasickness are sure to have a visitation. But the visit more than compensates; climate, air, surroundings, people conspire to please. M. G. KAINS.

The Making of a Cyclopedia.

It is a simpler matter to make a cyclopedia than to tell how it is done. To make it is only to work out detail after detail, taking up the tasks as they come, not caring nor daring to look at the work which piles mountain high farther down the alphabet.

The most difficult part of the making of a cyclopedia is to project it. Its scope and point of view must be determined before a stroke of actual work is done. This much done, the remainder is labor rather than difficulty. The lay-out of the enterprise cannot be made in a day. It is a matter of slow growth. One must have a mental picture of the entire field, and must calculate the resources.

So far as the Cyclopedia of American Horticulture is concerned, the editor has resolved and reviewed the enterprise for more than ten years. The first suggestion was a vague idea that a comprehensive work was needed. There were more than 500 special works on American horticulture. Some subjects were well worked; others were untouched. There was no means of determining the extent of our wealth in cultivated plants. There were no suggestions, even, as to what that wealth might be. No survey had been made. Only a full inventory can tell us whether we are rich or poor; it gives us a scale by which to measure progress.

The first tangible result of this desire for some comprehensive view of American horticulture was the publication of "Annals of Horticulture for 1889." Some years before this time, an endeavor had been made to interest a publisher in this project. This annual volume was designed to be "a witness of passing events and a record of progress." Five years these annual volumes were issued, the last one containing a summary sketch of horticulture at the World's Fair, at which was made the greatest single effort to display our horticultural achievements and possibilities. In these annual volumes all the new plants and tools and movements of the year were intended to be recorded. Special investigations were made for some of the volumes. The issue for 1889 contained a list of all the kitchen garden vegetables sold in North America in that year; that for 1891 contained a census of all the native plants which had been introduced into cultivation, showing that 2,416 species had become known to the horticulturist; that for 1892 made an annotated inventory of the varieties of apples which had been and were in cultivation in North America, showing that 878 varieties were actually offered for sale by American nurserymen in that year. But these volumes were isolated; they picked up the work piece by piece. An inventory of the whole field, critically and laboriously made, was needed before mere annals of yearly progress could mean much. We needed to know our status; thereafter chronicles would have a meaning.

From 1893, attention was given to the larger and comprehensive effort. A garden herbarium had to be made, for there was none in the country. The first plant had been put into this herbarium in 1889; it was a mere sprig of the greenhouse shrub, Boronia megastigma.



BERMUDA AND ITS FLORAL PRODUCTS.

Fig. 2. Lily Field in Bloom—Atlantic Ocean in background—Open, Straggling Nature of Tree Growth.

There are difficulties in making a garden herbarium; there are no professional collectors and one cannot buy specimens; many of the plants are too valuable to allow of specimens to be made. This herbarium now has over 12,000 specimens. Although small, nevertheless it has been invaluable. If it does not show nearly all the species, it shows the range of variation in some and thereby suggests what may take place in all.

Trial excursions were made into the evolution of various perplexed garden plants. Some of these essays have been published. The study of garden plants is a different subject from the study of wild plants. Mere descriptions are often of little value. The plant may have been bred away from the description within a decade. Specific descriptions of many of the common garden plants do not exist in books; the plants are not species in the book sense.

American horticultural books must be collected, for the comprehensive work, if it came, must contain American advice. One must know the range of New World experience and the occidental point of view. It has been the misfortune of many American writers that they have drawn too heavily from the experience of the Old World. This was necessary once, but now it is time to break away. Fifty authors have written on viticulture in America, yet scarcely one has caught the spirit of the American grape growing. Nearly twenty years of collecting has brought together the completest collection of American horticultural books.

The details entering into any comprehensive dictionary of horticulture are astonishing in number and variety. Consider some of the items: More than 10,000 species of plants in cultivation; almost every important species phenomenally variable, sometimes running into thousands of forms; every species requiring its own soil and treatment, and sometimes even minor varieties differing in these requirements; limitless differences in soils and climates in our great domain, every difference modifying the plants or their requirements; a different ideal in plant growing and plant breeding in the mind of every good plant grower; as many different kinds of experience as there are men; many of these men not facile with the pen, although full of wholesome fact and experience; the species described in books which deal with the four corners of the earth; very few botanists who have given attention to the domestic flora.

It was desired that the cyclopedia be new—brand new from start to finish. The cuts were to be first-hand; the cultural suggestions written directly for the occasion from American experience, and often presented from more than one point of view; few of the precedents of former cyclopedias to be followed; all matters to be worked up by experts and from sources as nearly as possible original. Of course, it has been impossible to reach the ideals. There are limitations of expense as well as of capability, for it is yet a question whether our new country is ready for such an expensive work.

That feature of the lay-out of the work which seems to the editor to be of primary importance is the fact that the plants which are described are those actually in commerce in North America. It is comparatively easy to make a cyclopedia from the literature of the subject, selecting those species which have been described in cyclopedic or accessible standard works. In our case, however, we want not only a cyclopedia, but an inventory of our horticultural wealth; we want to know where we stand, before matters have become still more confused by the progress of years. We must take account of stock. All the important catalogues of seedsmen, florists, nurserymen and plantsmen have been clipped; horticultural periodicals have been indexed; experts have furnished lists. A species name, which occurs in trade lists, must be run down and inserted. Not knowingly has any been omitted.

It is singularly gratifying that horticulturists and botanists have responded with the greatest goodwill to the repeated calls for help. Their inspiration has saved the book. The botany of large and difficult groups has been placed bodily in the hands of specialists. The number of contributors is large and grows with each volume. It is hoped that the names of the collaborators, as they finally appear in the fourth volume, will make a roster of the leading horticulturists and botanists of North America. The great number of signed articles gives the work a somewhat heterogeneous character, and this may be considered to be a disadvantage; but the editor has not accepted the current idea that a cyclopedia must necessarily be uniform and consistent in its treatment of various and unlike subjects. The articles have been edited rigidly, but it is hoped that they still have individuality.

If any reader has been patient enough to follow this sketch thus far, he will have sufficient fortitude to read some of the office details. The type matter is first seen in galleys, with the cuts separate. Six proofs are received by the editors, who send five of them to specialists on the various subjects. Every line in the work has been read in the proof by experts. It requires from a week to ten days to get back the proofs from the various readers. The matter is then made up into pages and read again. It is then cast and the final proofs are placed on file. The galley proofs are gone over several times by the editor aside from the regular reading, each time for a specific purpose; once for alphabetic order of the entries, once for spelling of names, once for accent marks, once for signatures to the articles, once for references to the cuts, once for legends to the cuts, once for general style. A clerk is employed to verify all references by hunting up the references themselves. It has been necessary to have some of these verifications made in Boston.

In the "make-up" it is an inviolable rule that wherever the book opens an engraving will be seen. Adherence to this rule has made trouble in some cases. In one instance it was necessary to have a new cut made after the forms were made up, and to renumber the legends of more than one hundred pictures.

The editorial force at Ithaca regularly consists of but two persons, the editor and the assistant editor, the latter devoting his entire time to the work. Aside from these persons, an expert in trees and shrubs, Alfred Rehder, with his headquarters at the Arnold Arboretum, near Boston, gives all his time to the cyclopedia. All manuscripts are inspected or edited by the editor, who also reads all proofs. The printer receives copy for one letter at a time. When the manuscript is all received from the various writers all cyclopedic works are consulted to see that no entries are omitted. The titles of all entries are copied when the manuscript goes to the printer, and the articles are checked off when they appear in galleys and pages. Failure to do this in the letter A resulted in the loss of the article "Aubrietia," and the plate had to be torn up in order to insert it.

In America there has been but one cyclopedic work on horticulture, Henderson's "Handbook of Plants," 1881; second edition, 1890. This is in one volume. The most popular similar work in the English language is Nicholson's "Illustrated Dictionary of Gardening," four volumes, 1884-1887. It is the work of the talented Curator of the Royal Botanic Gardens at Kew, England. Mottet's French edition of Nicholson, five volumes, 1892-1899, is the largest modern cyclopedia of horticulture, and the only one which excels in size the present American venture. Another popular English work in one volume is Wright & Dewar's revision of Johnson's Gardener's Dictionary, 1894. Another recent French work, also in one volume, is Bois' Dictionnaire d'Horticulture, 1893-1899, with colored pictures printed in the text. In German is Rumpler's Illustrirtes Gartenbau Lexikon, in one volume, with a recent new edition; also Siebert & Voss' Vilmorin's Blumengartneri, one volume of text and one of plates, 1896, the most critical of all similar works.

In judging the American work the reader must bear in mind that there is really no critical horticultural botanical writing in this country back of the present decade. The present cyclopedia reflects the imperfection of our literature as well as the shortcomings of the editor. The editors know its imperfections, however, and they will be its severest critics. They will naturally challenge every statement, and desire to verify it.—[PROF.] L. H. BAILEY in Book Reviews.

Retailers as Educators.

BY SAMUEL BATSON.

With nearly every store business window decorations are now a most important part. Even a passing glance in any city, small or large, shows the average storekeeper is alive to the necessity of making an attractive display, and it is clear to the most careless observer that much time and money are used for this purpose. Somehow, however, the retail flower store seems to be lacking in progress in this direction, and those windows that should be the most attractive are passed by without notice. With the material on hand the entire season through, there is no good reason why the retail florist's store should not always be decorated well enough to catch more than a passing glance; and the fact that the druggist or even shoe store can make a more effective display seems to cast a reflection on the decorative ability of the retailer of flowers—"or an object lesson on lost opportunity."

It will be said, perhaps, that the goods he handles are not staples, or an article in every-day use; but this is not so in the present times, when flowers are disposed of by the million every week in every large city. The call for them has become a certainty, and sales are almost as sure as those in any other line.

He may say they are too perishable to place on display in quantity. The fakir and his display, even if crude and startling in its combination, is sufficient reply to this, for he does it and thrives. Flowers were never better in quality or supply than at the present time, while as to cheapness they are as often sold below cost as above.

In order to do business some outlay must be made to attract custom, and the possibilities for effective display are as cheap to-day for the retail florist as for any other business man. The advantages already to his hand are excellent. Always an abundance of flowers, etc., lie ready at the commission houses; he can depend upon enough stock for any purpose nearly any day of the year, yet he utilizes it only as a means of saving, carrying his own stock, and consequently buys only as orders come in, except for his meagre display, leaving the commission man and grower to stand the entire loss of the waste barrel. Yet he exacts and expects the same old-time profits. His usual idea seems to be about 100 or more per cent. In these times of intense competition it is unreasonable to expect to make large profits; the time has gone by for them, and we must either adapt ourselves to the new conditions or get out. There is no alternative. The fact of the fakir disposing of from 50 to 60 per cent. of flowers sold in the large cities tells its own story.

Neither is there any reason why the retailer in the smaller towns should not keep in line with progress. He cannot be expected to be quite metropolitan, but he ought to keep up-to-date, and if he has a greenhouse plant it is quite easy for him to keep a constant display, either in his store window or greenhouses.

He should take the lead in matters floricultural and be always on the lookout for interesting things and chances for displaying his goods whenever and wherever possible, for in many cases the indirect returns are greater than the direct ones. It always pays a business man to have his business advertised by being talked about. Don't consider it enough to exhibit a few scaly palms and dissipated-looking primroses, or a few roses and carnations the worse for wear, to draw custom. Relegate your artificial designs and show goods to where they belong—which is not in your window, except, perhaps, on a special occasion. If your business is to sell fresh flowers, keep the artificial ones out of the way.

Be original in your designs and window displays if you can, but if you cannot originate, imitate; anything is better than stagnation. "But take care from whom you copy."

Those with greenhouses can at little cost produce attractive displays by devoting a little time to the production of a few of the old-time pot plants, and create interesting as well as profitable results. A well-grown plant of allamanda, stephanotis, clerodendron, lapageria, or bougainvillea in a 12 or 16-inch pot will make a change in your window worth while; and a few pans of eucharis, or a shapely grown camellia, would be a novelty at the present day.

Do you remember the interest taken in Chicago a year or so ago, over specimen-grown geraniums exhibited at the show there? How would a pyramidal grown fuchsia, about 6 feet high, in full bloom, look? Fresh attractions are demanded by the purchasing public nowadays.



BERMUDA AND ITS FLORAL PRODUCTS.

Candalabra Cactus, 18 feet tall.

for decorating your windows for helping out also at spurts of trade; in fact, you could do lots of things easy with an organization that as individuals you have to put up with.

Don't say, well, we are as progressive as any other line; look at So and So on Broadway, Chestnut, State, or any other street. There are in many towns pro-



BERMUDA AND ITS FLORAL PRODUCTS.

A Century Plant in Blossom—Date Palm in right foreground—Grapewood Tree in left background.

Are not the table and mantel decorations one of the taking features at the exhibitions? Why not put up a moderate-priced mantel, table center piece, or even full table display? Don't be afraid to mark the price up also, as education in prices is as necessary as any thing else. Do not fear your brother florist down the road copying either your designs or prices; some day, perhaps, you may get a pointer from him.

Many people call for the same thing over and over again, because oftentimes they are unacquainted with a wide range in regard to flowers and dislike to admit ignorance in floral matters. Would not the names and prices plainly marked help these customers and be appreciated by them, and at the same time create a wider range for the retailer's art?

Don't be afraid to push the thing along; the grower and the commission men are both a few years ahead of you, and will always be glad to do or grow anything for you if you will only put a hustle on and create a demand.

Novelties are being offered thick and fast enough to please anyone, and all you have to do is to step into your rightful place and become in fact the educator of the great public, whose cash you, I and the commission man so badly need. Place your goods artistically and make your prices moderate, and the fakir will not be your bogey man for long.

To those of you in large cities the benefits of organization should be plain. Almost every line has its association, but if you have one it is most unobtrusive. Think how much could be accomplished with a good, live, co-operative organization. You could give public exhibitions or views free, and show what could be done with even a few flowers and a little skill. Buying supplies, flowers, everything in fact, in large quantities by your own agents, would give you all a chance to purchase at lowest rates, and being all supplied at uniform prices the opportunity for establishing a staple price list greatly enhanced. As your organization would also act as a guarantee for you, mushroom stores would be largely done away with and the wholesale trade brought down to a cash basis—a most beneficial state of affairs for the grower and commission man, besides yourself. You could also employ a few specialists gressive men whose places are most artistic and a liberal education, but they are not ordinary retailers; they are floral artists in the highest sense, and a credit to the trade at large. They are a shining example of the results of a combination of business ability and artistic skill, and richly deserve the financial success they have apparently achieved. But they are a minority; yet it is a satisfaction to know that there are some progressive men in all the larger cities, and are also occasionally to be found in even very small ones.

How many, though, are there on the other list, taking no apparent interest in anything outside themselves, belonging to no clubs and taking no part in exhibitions (not even as spectators) etc., and it would be surprising if they even subscribe to a trade paper, whose windows are decorated with straw goods, artificial designs and flowers of an ancient date; chronic kickers are they on prices, inveterate foes to progress and whose only idea of competition is cutting of prices!

There is no reason why even the smallest business should not be made as attractive as possible, and to fill its place as a public educator.

Between the floral artist on the one side and the fakir with his bold displays and business-like ways there is a great gulf which should be bridged by the up-to-date retailer. When will he awake from his lethargy and become the educator? S. B.

PLANTS and FLOWERS.

CARNATIONS.—Max L. Hess, of Wheeling, West Va., sends us a bunch of his carnations, and, considering the distance traveled, they arrived in fair condition. Gold Nugget, White Cloud, Flora Hill, Jubilee and Mrs. Bradt are quite well grown and would sell as fancies in any market, having good, long stems and averaging well in size. Scott, Triumph and Daybreak arrived somewhat "sleepy," and were of only ordinary size.

Floriculture as a Profession.

Read before the Pennsylvania State Board of Agriculture at Harrisburg, Pa., by Edwin Lonsdale, January 25, 1900.

Floriculture is a branch of horticulture, and horticulture is a branch of agriculture, and agriculture is the foundation of all industries. It is somewhat difficult to determine just where horticulture begins and agriculture ends, so closely are their interests interwoven. The farmer is more or less interested in horticulture, and the gardener is more or less interested in agriculture, and floriculture lays claim to its share of attention also.

While agriculture is the oldest among the professions, and horticulture comes in a good second, floriculture is possibly the most recent of all. Everyone connected with any of these three professions, however, can without hesitation be pronounced tillers of the soil.

Our grandfathers and grandmothers would have scouted the idea of offering for sale their beautiful and fragrant blossoms, though as gifts nothing would be more freely given or better appreciated or give more gennine pleasure, but to barter them for gold or silver would to them have been sacrilege in the extreme; and as nothing is so appropriate for gifts as flowers or gives more pleasure, and because everyone who desired to have flowers to give and could not have them without buying, this was, in this commercial age, the foundation of floriculture as a profession.

Twenty-five or thirty years ago nearly all the retail flower stores in Philadelphia had a greenhouse establishment of their own for growing cut flowers for sale, and when additional flowers were needed, the retailers often found it necessary to buy from each other or from greenhouses in the suburbs; and the gardeners and proprietors of amateur establishments were frequently tempted by coin to help out when the demand for flowers was superior to the supply.

The greenhouse establishments in the suburbs of Philadelphia in those days, where cut flowers were more or less a specialty, and where the florists yet did a general retail business, found, after a few years' experience, that the wholesale part of their business, where they disposed of their surplus among the city retailers, was very much the most satisfactory. And that was the cause of establishments being started about twenty years ago, both outside and inside the city limits, for the purpose of growing cut flowers to sell exclusively at wholesale to the city retailers, and since that time numerous places for the same purpose have been started, which have met with encouraging success.

It was found that where a retail and a wholesale business was conducted jointly there were conflictions. When the suburban greenhouses needed the most flowers, the city florists could use them in greater numbers also.

About the time stated above, namely, in the year 1880, many flowers found their way in regular shipments, both from New York and Boston, but at the present time there are more Philadelphia grown roses sold in Boston than there are Boston roses sold in Philadelphia. Boston and New York were both in advance of Philadelphia in the production of cut flowers in those days, and possibly they are to-day in many respects. The growers for both those cities have a distinctly different way of disposing of their flowers at wholesale than they have in Philadelphia. For instance, the majority of commercial florists growing flowers to be disposed of among the retailers in the Quaker City have their own salesmen, and some of the proprietors even sell their own product, delivering the flowers at the different stores daily; whereas, in both Boston and New York, wholesale markets are established where the retailers buy early in the morning what they expect they may need during the day.

It is only a few years ago that nearly every florist built his own greenhouses. He was a carpenter, steam fitter, painter, glazier, and florist in combination, and the materials used in the course of construction were of the very cheapest possible character. He tried to cover as much ground with a given piece of glass as possible; and in many cases it was questionable economy, though, as a rule, in those days it was the only way open for an ambitious young man, with very little cash capital, to start into business for himself.

This is certainly a commercial age, and the rapid development of the business of flower growing for sale has been enormous, almost beyond belief during the past few years. In the ages to come, when an adequate history of the development of commercial floriculture shall be written, it may be made to appear as though it had almost sprung up in a night.

It seems only the other day that a greenhouse 100 feet long was considered the correct and extreme length practicable in which to grow plants and flowers, but a week or two ago, in the floricultural trade papers, there were illustrated articles published, giving plans, etc., of two rose houses in course of erection at Natick, Mass., 700 feet long. It would seem that now surely the limit had been reached, but when we realize that in comparison with the days (only a short time ago) when greenhouses were heated by what is known as the old-fashioned flue system—which means that a fire was built in a furnace at one end of the greenhouse, and terra cotta or glazed drain pipes of suitable size, or brick flues, were used to conduct the heat and smoke to the other end, and that heat sufficient would sometimes be radiated in transit, or en route, so to speak, to keep out frost and incidentally to grow plants and flowers for sale—that to-day we hardly know what is in store for us, or what to expect in the future, especially when we consider how electricity has displaced the horse in methods of transportation on the streets of cities and towns and upon the country roads; then why may not electricity be applied in some of the routine and laborious work necessary in a large establishment where flowers are the staple articles grown?



A Typical Bermuda Residence.



Bermuda and its Floral Products.

Pandanus utilis in Fruit.

The primitive method of heating plant-growing structures above referred to was only once removed, as it were, from the window garden of the dwelling house. The window gardens of our great grandmothers were the forerunners of our modern, up-to-date, steam-heated greenhouses of to-day, and woman was the first to assume the care of plants and flowers in an artificial way. She would take up in good time the sensitive exotic and tenderly care for it long before the chilly northwest wind swept o'er the snow-clad hills and breathed the frozen tokens of nature's enforced rest!

The rapid development of floriculture as a profession is largely due to an organization known as the Society of American Florists, and to the trade journals which, as a consequence, followed in its wake. The S. A. F. meets in convention in a different city in the month of August for three or four days every year, and papers appertaining to floriculture and discussions thereupon form the greater part of the proceedings. It was organized in the year 1884, for the purpose of developing commercial floriculture and bettering the condition of florists, as the Farmers' Institutes, State Boards of Agricultnre, and U. S. Department of Agriculture, and kindred organizations, were originated for the purpose of benefiting the farmer and improving agriculture.

Farmers and florists have some things in common, as, for example, food for plants. Phosphoric acid, potash and nitrogen are just as necessary and essential to produce a crop of flowers as they are to produce farm crops. The farmer has an advantage over the florist to a great extent. Special fertilizers are prepared for him for the various crops he grows, whereas the florist is largely in the dark in this respect at the present time. Much money is annually wasted by florists, I am sure, in the purchase of fertilizers. Bone is one of the most popular fertilizers with them, and its chief ingredient is phosphoric acid, but whether it is as essential, as a plant food, to the production of flowers as it would be with a crop of seed, as corn, or wheat, or any other similar crop, where grain is the object in view, is a problem not yet solved. Potash, as used by the florist, is furnished through wood ashes principally, and the bulk of the nitrogen comes from farmyard manure, that from the cow stable being at the present the most preferable. Nitrate of soda and sulphate of ammonia have to be used with great caution, for so much damage has been done to crops in the past under glass, through the indiscriminate use of these salts, that in many establishments the use of them has been abandoned entirely. This state of affairs has been brought about largely through the erroneous idea that because a small quantity of the essential plant foods should prove beneficial, a larger quantity ought to prove more so.

The Florists' Hail Association is an offshoot of the parent society, and would not have been organized, nor could have been operated successfully had not the S. A. F. been at the head of it. I have no means of knowing how many feet of glass in this country there are devoted to the growing of flowers, but up to August 1 last 11,209,865 square feet of glass were insured in the said association. It originated among the florists and is managed entirely among themselves. During the past year claims for losses by hail have been paid amounting in the aggregate to $5,337.39. It is understood, of course, that all the glass devoted to commercial horticulture is not insured in this very useful association, but it is rapidly becoming more popular on account of its excellent management and by the prompt payment of losses after they have been reported and duly verified.

The Chrysanthemum Society of America is another offspring which has done good work. The nature of its duties so far has been confined to the protection of the buyers of new chrysanthemum plants from purchasing novelties of the popular Queen of Autumn of doubtful value. Committees are appointed annually to meet once in each week during the chrysanthemum season in the larger cities, as New York, Boston, Philadelphia and Chicago, and to examine seedlings or sports. No less than six flowers must comprise an exhibit, if to be considered by the committee. Two dollars is the entrance fee, and this has the effect of simplifying the committees' work, for no matter how enthusiastic the owner of a new variety may be, he becomes immediately critical of his own production when cold cash must accompany his entries for exhibition. These new candidates for public favor in seedling chrysanthemums are judged according to a scale of points, and when 85 or more are awarded out of a possible 100 a certificate of merit is granted by the society.

The American Carnation Society is another child of the S. A. F., and is run upon somewhat different lines than are those of the Chrysanthemum Society. An annual meeting and an exhibition of new and meritorious varieties of carnations is held in connection therewith the third week of February in the different cities.

Wonderful strides have been made in the improvement of the carnation since the society was organized in the Quaker City in the year as before indicated. Thirty-five cents per dozen was the prevailing retail price in those days, but during the past year the new Boston variety, "Mrs. Thomas W. Lawson," led in price in that market at $9 per dozen. The premium price, however, has been reached by a variety which, so far, has no other name to designate it from other varieties than "The Three Sixes," (or No. 666). "The Lawson Pink," which the Boston variety is commonly called—which, by the way, is cerise in color—was boomed into prominence largely by the name which was given to it, namely, that of the wife of one of Boston's leaders in social and financial circles, which in itself ordinarily would have been thought sufficient to attract public attention; but other superior business methods were made use of in bringing it before the public that has enhanced its value until orders for plants during the past three months have aggregated the enormous number of 315,000.

It is stated on authority, which cannot be disputed, that $30,000 was paid to the originator of that variety for the entire control of the output of both flowers and plants, until the end of the year 1900 of this famous "Boston pink." The purchase money has already been secured even if the average price was only 10c. per plant. By referring to the advertised prices, quantities of 5,000 and over have to be ordered before so low a price as 10c. each has been conceded.

The time for the dissemination of plants of the New York variety, known up to the present time only as the "Three Sixes," or No. 666, before referred to, has not yet been decided upon, so that the fixing of the price of the flowers is entirely in the hands of the owners. At the present time it is selling wholesale in New York City at $5 per dozen. The first five dozen, which were sold to a retail florist in that city, were disposed of

at retail, a few moments afterward, for $60, or at $1 for each flower! Not such a bad price for carnation blooms.

A florist cannot protect his floral productions by patent, no matter how meritorious they may be. When he once sells plants of a new variety, he at once puts the purchasers thereof in direct business opposition to himself, giving opportunities to cut prices if they feel so disposed.

Philadelphia has no phenomenal varieties among flowers at present which it can claim as being its very own, and in which no other city can share its glory, but the Quaker City has the distinguished honor of being the first city to start the upward tendency of prices among fancy carnations, when the variety Helen Keller sold at retail, in the year 1894, at $2.50 per dozen. Immediately prior to that time $1 per dozen seemed a very high price, even for the most select.

A rose society now seems to be assured of ultimate success, after various ineffectual efforts to establish it. It deserves the sympathy and support of every commercial florist in the country, for the rose is the queen of flowers, and has had more influence in elevating the profession than any other one flower, or, I may say, than all the other flowers combined. It was the bright, crimson and fragrant rose, General Jacqueminot, commonly called "Jacque," which first sold at what was considered at that time extravagant prices among flowers. When it was first offered for sale, in the Winter season, all that was asked for it was $1 per dozen, but a genius with the commercial instinct highly developed quite commendably succeeded in bringing the price up to $2.50 each.

A year or two ago, and for several years past, begonias could be bought at Christmas for 50c. a piece. The past Christmas, that of 1899, begonias growing in the same amount of soil, less than half a peck, were sold at $8 per plant. Some plants of the same variety in smaller sizes were selling as low as $2 each, but none sold lower. In explanation: It was not so much that times were better than last year to warrant the increase in price, nor was there that much difference in the method of culture, but it was the offering of a *new* and very meritorious variety that caused the difference in price. The variety referred to is of French origin, and is a cross between two distinct species, namely, Socotrana and Dregii, and it is so nearly what may be termed a mule in floriculture that seed bearing flowers are very rare indeed; so much so that instead of forming seed it goes on producing its beautiful pink mule flowers in vast numbers, and remaining cheerful and bright much longer than it would do if the usual number, for begonias, of seed bearing flowers were produced.

Floriculture has become firmly fixed as one of the recognized industries, and will continue to be so for all time; but the difficulties to succeed will grow greater with each succeeding year, especially does this apply to the grower of flowers. It is not only necessary to know the necessities of plant life as thoroughly as it is possible to know them, but it is also necessary to have a thorough business training, with the commercial instinct well to the fore, and an abundant amount of executive ability to carry out every essential detail in a growing establishment to a successful conclusion.

The retail florists in the larger cities are aristocrats in their bearing and methods, with their tastefully embellished delivery wagons, their automobiles or teams of high steppers, and with their assistants in livery emulating that which is worn by those occupying similar positions with their customers: all of which has been brought about within the past ten years by superior business ability, and by being strictly abreast of the times.

An intelligent, well educated boy raised on a farm, and who is not afraid of work, and has the right stuff in him to make a good farmer, will make a first-class florist. Some of the best and most successful florists to-day are those who were raised on a farm.

Many of our most successful florists have the commercial instinct more highly developed than they have an innate love for flowers, and this essential characteristic for commercial purposes must be more pronounced in the future than it has been in the past, because the competition is sure to become keener. Well do I remember the time when it was stated with great assurance that no person who had not a natural and real love for flowers could ever succeed as a grower thereof. This may have been true before commercial floriculture had assumed its present proportions, but it is not true to-day.

Diseases of the Rose.

Read by Professor B. D. Halsted before the American Rose Society, March 28, 1900.

The earliest trouble of the rose to engage my attention ten years ago, when I first went to the New Jersey Experiment Station, was that due to nematodes. In the report of that year it is recorded that "Sickly stunted greenhouse roses have been sent to the station, and the cause for the lack of vigor was not far to seek. The roots of the plants were badly knotted, and the whole root system infested with gall worms."

In the report for the next year (1891) the following is found recorded: "Complaints have come to the station from various quarters of a shortness in the hothouse rose crop, and a visit made to Madison and other rose-growing localities convinces me that the trouble is not due to any one enemy. The affected rose plants have a stunted, sickly appearance; they fail to send up strong shoots, and only develop short stems, bearing pale, sickly leaves. Such plants fail to produce good flowers, and are comparatively worthless.

"The roots of such specimens may be swollen in places, and the knots contain multitudes of nematode worms. It is of great importance to have the soil used for potting plants or the greenhouse bed free from the worms, and, of course, only plants with roots free from knots and galls should be used. The greatest trouble with the rose-plant soil is probably the manure that is used in great abundance by the growers. It is likely that this manure is infested with the worms. An experiment in raising roses in a soil where stable manure is replaced by a judicious mixture of commercial fertilizers is well worth trying. It has been shown, for example, during the present season, that sweet potatoes can be grown to great profit without the city manure that has been the standard source of plant food among truck farmers. Also, it has been demonstrated that potatoes thus grown are less liable to attack of the various rots and decays. If the right mechanical consistency for the roses can be obtained in connection with the commercial fertilizers, it is quite evident that the soil would be under better control and less liable to various infections."



Fungous Diseases of the Rose.
a. Black Spot; b. Black Speck; c. Powdery Mildew; d. "Browning;" e. Rose Leaf Spot; f. Rose Rust.

(The speaker here repeated his article appearing in FLORISTS' EXCHANGE of January 27 last which please see.)

THE BLACK SPOT (Actinonema rosæ Fr.)

The most widespread and conspicuous of the one hundred or more fungous diseases of the rose is the black spot, due to the Actinonema rosæ Fr., and first described in 1826. It is seen that this is an old enemy and has long been known to the rose growers of Europe. The foliage, when attacked, soon develops the characteristic black spots, and the leaves become elsewhere pale, and shortly fall to the ground. As a result rose houses badly infested with the black spot show but few leaves and fewer blooms. The microscopic structure of this fungus has been fully considered, with plates, in the first annual report made by Professor Scribner, as Chief of the Section of Vegetable Pathology of the United States Department of Agriculture, for the year 1887. It only needs to be said here that experiments with this fungus have been carried on sufficiently by the New Jersey Station to warrant the assumption that it can be controlled by the proper use of fungicides. This trouble may be held in check by the carbonate of copper compound (cupram), using 5 ounces of the carbonate of copper to 3 quarts of ammonia, and 60 gallons of water. The spraying should be done once a week, using a hose with a nozzle that gives a fine spray. The point should be to wet every part of the plant, and yet not drench it. If many leaves have fallen from the plant they should be gathered up and burned.

Some varieties are more liable to the black spot than others. When possible, that is, when all other things remain the same, it is, of course, wise to grow those least susceptible to the disease. It may be said, in passing, that during the year 1892 the black spot was observed by the speaker upon a species of wild rose (Rosa humilis), where it was causing the leaves to become spotted and yellow. It is not surprising, for the wild plant was growing but a short distance from a neglected estate where garden roses were badly spotted.

The actinonema is a small genus, and some of the species are parasites upon the basswood, beach, ash, viburnum. The one upon the rose is not found upon plants outside of the genus rosa, and there has its favorite species and varieties. This is shown in a remarkable manner with some of the cultivated sorts grown side by side in the same house. It is often very bad upon the American Beauty.

THE ROSE LEAF BLIGHT
(Sphærella rosigena Ell.)

A fungus that disfigures and injures the rose leaves almost as badly as the black spot is the Sphærella rosigena Ell., and commonly called the rose-leaf blight. A thoroughly diseased leaflet has large, irregular blotches of gray color surrounded by a margin of dark purple. The gray dead center of the spot bears a number of dimples or specks—more numerous and conspicuous near the center, and in these the spores are produced.

Under the microscope the fungus is very different from the black spot, and instead is closely related to the leaf blight of the strawberry, which is due to Sphærella fragariæ Tul. In other words, the two blights in question are as closely related as any two species of the genus rosa. It is important to know these relationships between the various plant diseases, for it is helpful in the struggle in overcoming them. The leaf blight of the strawberry is very much more common than that of the rose, and any effective remedy found for the former may be of value in checking the ravages of the latter. Fruit growers have found this strawberry leaf blight a hard one to check, perhaps because of its many forms of spores and the low habit of the plant and the consequent difficulty of readily spraying the foliage upon the underside. This difficulty does not obtain with the rose, and it may be controlled more easily. There is no question but that the standard fungicides should be used when this fungus is at work.

The black rot of the grape, due to Læstadia Bidwellii (Ellis), is a first cousin of the rose disease in hand, and the fact is mentioned because the grape rot trouble is one of the most common and destructive of the whole list of fungous diseases. There is a stubborness met with in attempts to control this decay that almost baffles some vine growers, especially during moist months in the growing season.

THE ROSE MILDEW
(Sphærotheca pannosa Wallr.)

The most familiar fungous enemy of the rose is the mildew (Sphærotheca pannosa Wallr.). This disease has been known for a long time and is quickly recognized by the powdery coat it develops upon the affected parts. It is so rapid in its development that rose growers are sometimes inclined to assign the cause of the growth to that which is in reality only the condition or conditions favoring the appearance of the mildew. It comes from spores, which falling upon

the surface of the plant will quickly germinate and produce a cobwebby coating to the foliage. This fungus is so different from the others that have been mentioned that a word is needed in way of explaining the habit of the parasite, as this lies at the foundation of the rational treatment of the pest. In the first place the rose mildew is a surface feeder and only attaches itself to the epidermis of the host, through which by means of small suckers it derives its nourishment from the deeper-seated substance. Being therefore entirely upon the surface, the fine threads of the fungus may grow rapidly and make a mildew patch in a very short time that is easily seen. The exact conditions that favor this development of the spores are, of course, better known to the rose growers than to me. Some of them claim that they can develop the fungus at will by omitting some essential point in heating, watering, or ventilation, particularly the last. If a certain current of air is sure to produce the mildew, and of this I am not fully able to say, it follows that the spores of the mildew were widely scattered through the house; and they started into vigorous growth at those places where the conditions were supplied for such activity.

The superficial nature of the mildew is of great importance when the matter of remedies is considered. It is a fungus that is in the air, as it may be termed, in contrast with most of the rose diseases that when active are deeply seated in the plant. The spores are produced as minute delicate cells upon upright filaments that arise from the web of horizontal vegetative hyphæ. They are easily reached by fungicides and apparently destroyed without difficulty. Any of the ordinary sprays will answer for the mildew, but even these need not be resorted to, provided spraying is uncalled for by the presence of other rose fungi. In short, if the mildew is the only enemy at hand it may be kept in check by the use of flowers of sulphur, either dusted upon the plants or even the pipes of the greenhouse, the point being to produce a gentle fumigation of the plants and the whole house with the fumes of the sulphur. Professor Maynard, of the Massachusetts Experiment Station, finds that a small kerosene stove is most convenient for this purpose, and the sulphur, by means of it, is boiled in a kettle for two or three hours twice a week, the house being closed during the operation. The only precaution is to use no more heat than is sufficient to boil the sulphur, for should it catch fire it might damage the plants. Mr. John N. May writes that the best way to get rid of the mildew is to close the house about 8 o'clock in the morning, run the temperature up to 75 degrees, then, with a bellows, fill the house full of sulphur. Let the house remain closed till it reaches 85 or 90 degrees, and afterward let air in gradually. A constant circulation of air is likewise recommended for roses at all times. Potassium sulphide, one ounce to two gallons of water, sprayed upon the plants, has proved an effective remedy. Massee states that "flowers of sulphur mixed with about one-third of its volume of slaked lime dusted on the foliage prevents the spread of the disease." Gardeners, from long experience, have come to the belief that rose mildew is induced by a weak condition of the plant, resulting from partial starvation, irregular or excessive watering, and undue exposure to drafts of cold air. The best success in rose growing, as in all other things, attends those who give constant intelligent care to the many details.

The rose mildew has its close of kin in the mildew of the chrysanthemum, the phlox, pea, gooseberry, grape, cherry and apple, and many forest trees, as oaks and chestnuts. Some of them are very injurious; but all can doubtless be controlled by fungicides.

The Downy Mildew of the Rose.
(Peronospora sparsa, Berk.)

A second form of mildew is sometimes troublesome to rose growers. This is a close relative of a similar one upon the greenhouse lettuce, and another is often destructive to spinach, while a third is the cause of a soft rot of potatoes. It produces downy or velvety patches upon the leaf, quite unlike the form above described, and the threads run through the substance of the leaf. In this case the fungus will have vegetated for a considerable time before it appears upon the surface, which is entirely for the purpose of producing its multitude of spores borne upon the tips of the many aerial branches.

It is evident that the sulphur fumes may cause the destruction of the spores, but may not reach the hyphæ that are vegetating with the substance of the host. Such treatment, while tending to check the spread by means of the spores, will not be sufficient to arrest the growth of the fungus that is already in the tissue of the host.

There is also a second form of spore that is produced beneath the skin of the leaf and out of reach of fungicides. As a precaution it is therefore well to destroy any mildewed leaves, or else when they fall the spores may be set free. It may be said that the careful rose grower will gather up and destroy the dead foliage and reduce as far as possible thereby the chances of his plants becoming diseased from spores that are formed upon or within the old leaves.

The Rose Rust
(Phragmidium subcorticum, Schr.)

There is a genuine rust of the rose similar to that of the wheat, oats and other grains, but it is a pleasure to note that it is not common upon indoor roses in this portion of the country. It has been sent to me at various times as a troublesome pest upon roses grown for ornament in the flower garden and lawn. In "Plant Diseases," by Massee, a new book just published in London, this rust is figured and described as follow: "A troublesome pest to cultivators of roses, attacking more especially hardy hybrid varieties. All three forms of the fungus are produced on the same host. The scidia appear in late Spring on the leaves and young shoots, forming powdery, orange patches, and often cause distortion of the shoots. About midsummer the patches become deeper in color, owing to the formation of uredospores. Finally the teleutospores or resting spores are produced as minute black dots on the under surface of the leaves.

"The appearance of the disease in Spring depends entirely on the presence of teleutospores in the neighborhood; it is therefore necessary to collect and burn all fallen leaves in the Autumn. Plants that have been attacked the previous season should be thoroughly drenched with a solution of sulphate of copper in water—two ounces in three gallons—in early Spring before the buds expand. The soil round the plants may also be sprayed with the same solution. Dilute Bordeaux mixture, or ammoniated carbonate of copper solution, checks the aecidium and uredo stages.

"The fungus also grows on wild roses, and these may become a source of infection unless precautions are taken."

American rose growers are doubtless familiar with the orange-colored powdery masses in early Summer, which accompany the malformations of stem and leaf followed by the dark, almost coal black, patches later in the season. When a shrub is badly infested there is little better to do than cut the whole plant away close to the ground. This fungus is closely related to the one upon the blackberry and raspberry, causing the destructive rust of those plants. It has been shown that the fungous hyphæ penetrate all parts of the blackberry plant, even the roots, and the rose grower may not find that severe pruning will rid a plant of the pest when it is thoroughly infested. Therefore, as with the raspberry rust, it may be necessary to root out and destroy the rose bush and start again with a healthy plant. This rose rust is a good illustration of the great depth to which a fungus will penetrate in the host and the difficulty of eradicating the same. It goes without saying that ordinary sprays will be of little curative effect upon a plant when the living vegetative threads of its fungous parasite penetrates to all parts.

In California the reader has seen the rust upon roses much worse than here—when every leaf upon some shrubs was badly affected. In such a warm climate, when the plants retain their foliage throughout the year, the dark Winter spores, not being needed, are omitted; and the orange colored form of Summer is perennial. There are many of the rusts in the warmer parts of the earth that grow continuously, while the same kinds of plants with us are exempt, presumably due to the uncongenial nature of our climate. In passing, it may be said that the chrysanthemum rust produces only the Summer form in the greenhouse, and the hardy out-of-door sorts seem to be exempt from the disease.

The Rose Anthracnose
(Gloeosporium rosæ, Hals.)

The chief feature of this disease is the scarcity of leaves. Instead of a plant with foliage upon all the canes, there are but few leaves upon some stems, while others are entirely defoliated. The whole plant is infested with the fungus, and this parasite so saps the vitality and interferes with the processes of growth that the leaves, even if they were healthy in themselves, are unable to perform their work. The fact is, that the leaves are infested with the anthracnose filaments, and soon after falling, if not before, they will show the spore formation of the anthracnose fungus, Gloeosporium rosæ, Hals. In general appearance and habits of growth this fungus is quite similar to the one causing the anthracnose of the raspberry named, Gloeosporium venetum: possibly it is identical, and if so the presence of the one is a menace to the host of the other.

The rose plant is most likely attacked while young, or at least it is to be presumed that the young portions of a plant are most susceptible. The attack is from without, and the spores falling upon the surface of the young, tender canes, and leaves as well, there germinate and produce, in a short time, an affected spot. If this takes place in a cane, it is natural to suppose that the portion above the infested part will be girdled, in so far as the attack is great; and this will interfere with the direct support by the whole plant of the part beyond the diseased place. Besides this, the fungus spreads, and more rapidly in the direction toward the tip of the cane. It is not unusual for a diseased plant to send up apparently healthy shoots from near the base of the stem, these in turn to become infested.

Roses that have a sickly color to the foliage, with the leaves falling prematurely, especially from the tips of the canes, may be suspected as victims of the anthracnose. A hand lens should be sufficient to assist in finding pinkish blotches upon the leaves, particularly those that lie upon the moist earth beneath the half-defoliated plant. Similar, but better defined, pimples usually occur upon some portion of the cane.

It will be gathered from these remarks that the rose anthracnose is a specific disease, caused by a well-defined fungus that grows rapidly from spores, penetrates the substance of stem and leaf, and finally causes defoliation and death of the cane. The anthracnose, because of its multitudes of spores produced in pimples on leaves, particularly fallen ones, and the canes, and the ease with which they are transported by water, also rapidity of germination, all combine to make this fungus enemy of the rose very contagious.

This class of fungi, to which the gloeosporium belongs, is amenable to treatment by fungicides. A coating of the Bordeaux mixture or eurpram upon the leaves and stems prevents, in large degree, the entrance of the germs. Therefore, all rose houses, where there is any anthracnose, should be sprayed with one of the above compounds. It goes without further saying, that all plants that are nearly leafless from this cause should be either cut down close to the soil or thrown bodily into the burn heap.

The Rose-Leaf Spot
(Cercospora rosæicola Pass.)

Somewhat similar to the leaf blight previously mentioned is the leaf spot, due to the fungus Cercospora rosæicola, Pass. This produces spots that are of a gray color with a dark purple border, and the spores are long and borne in little tufts upon the surface of the central portion of the dead areas. In microscopic structure the leaf spot and the leaf blight are very different, the former having the spores upon the tips of threads, which previously have grown through the stomates. The leaf blight has the spores borne internally in small pits and are poured out in a viscid coil when the part is moistened.

These facts are given to show that while to the naked eye the differences between the two herein named fungi are not apparent, under the microscope they are widely unlike, and the treatment that will work admirably for one may not answer for the other.

As yet this leaf spot is not common, but when found at all is often quite destructive. From the nature of fungus it is inferred that it is to be easily controlled by fungicides. For example, its cousin, Cercospora beticola Saec., is the common beet-leaf spot, with which there have been many experiments; and it is found very amenable to treatment with the Bordeaux mixture and other standard fungicides.

Black Speck of Roses
(Pilobolus crystallinus, Tode.)

Complaints have come to the reader from time to time with regard to a speck upon the rose plants. "This trouble is due to the indirect, and not the intentional, action of a fungus, and in this respect is quite unusual and merits a word of consideration. The fungus that is the source of trouble is somewhat closely related to the coarse one that thrives upon bread, and is very damaging to sweet potatoes in the storage bin, causing the soft rot. In short, it is one of the molds grown upon organic substances, and not, as before stated, upon the rose.

The fungus in question is Pilobolus crystallinus, Tode, and forms in large numbers upon the manure used to cover the bed where roses are growing. As it matures a dark oval ball or sac is produced filled with spores of the pilobolus. This black sac is supported upon a swollen stalk rising from the surface of the manure, and when mature the enlarged portion filled with liquid, suddenly forces off the spore sac and collapses, throwing the ball of spores into the air. These dark spore sacs are covered with moisture as they are discharged, and will adhere to any object which they may strike in their flight.

The writer has examined houses where this fungus has developed extensively upon the manure, and counted as many as a hundred specks to the square inch upon the white wood work surrounding the bed. An examination of the perpendicular sash in divided walls in greenhouses will show, from the numerous spore specks adhering, that the height to which the dark sacs are thrown is full 10 feet; but there is a rapid falling off in the number upon any given area when the height of two or three feet is reached.

These specks, of course, from what has been written, may be upon any plant that is within range; but they do no further harm than the disfigurement thereby produced. They are more often met with in rose houses, because there the manure is more frequently left upon the surface than with other kinds of plants.

If a remedy is sought it may be found in dispensing with the manure on the surface, stirring it at frequent intervals to prevent the fungi from having time to mature their dark shells containing the "shot" in the form of spores, so to speak, or by using some fungicide as a spray upon the manure that will kill the mold. However, as a rule the bombardment does not last long and no vigorous mensures are generally called for in this case.

Bronzing of the Rose.

As a last trouble to be mentioned at this time attention may be called to a peculiar discoloration of the leaves that has been termed "bronzing." The affected foliage takes on a brown hue and the leaflets may fall away. With some varieties as La France it is much more frequently met with than upon most other varieties. It is not demonstrated as being of fungous origin, and probably is due to a structural weakness permitting the skin to become scalded or at least injured by too great exposure to the sun.

If this be the fact the remedy seems to lie in a more complete shading of the plants. Of two varieties equal in all other points the one that is most nearly free from the "bronzing" should be chosen.

In conclusion, it may be said that the purpose of this paper has been to point out some of the characteristics of the leading fungi injurious to the rose, with remarks upon the remedies for the same so far as they have been determined. As a rule, these diseases thrive best under conditions of too great moisture accompanied by ill ventilation and drafts of cold air. One cannot say that they are entirely creatures of neglect, but frequently they come in their greatest strength when culture has not been according to the sound principles of healthy vegetable growth.

Let it not be forgotten, however, that fungous diseases are contagious, and the virus for inoculation passes from plant to plant by the currents of air and may drip from leaf to leaf in the water that falls from the nozzle of the hose. Great care needs to be taken not to introduce an enemy with new stock, and the grower should be swift to discard or destroy that which is not healthy.

The true rose grower will make it his highest ambition to grow superior plants, for the profit it may be, but first of all because his heart is in his work; and I do not know of anything one can be more proud of than roses, the queen of all the flowers, which, as loved pets, have willingly and generously produced objects of the highest beauty and excellence in response to tender, sympathetic and loving care.

Insect-Eating Plants.

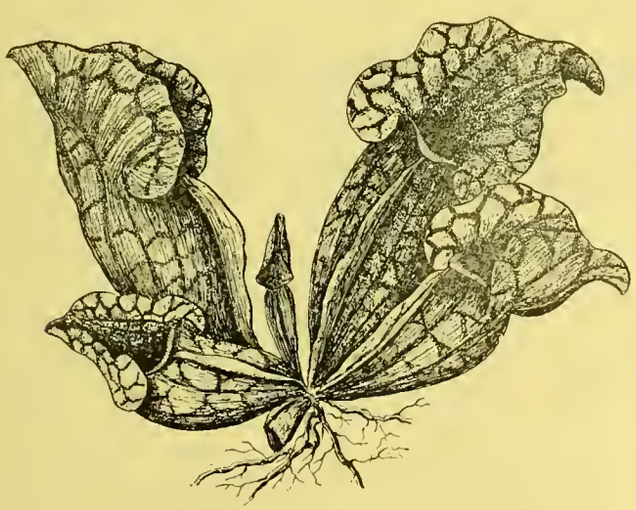
There are no more wonderful plants in the vegetable kingdom than those which catch, kill and eat insects as part of their daily food. It has been shown by experiments, extending through a long number of years, that certain kinds of insectivorous plants continue in healthy growth under cultivation so long as they are allowed a supply of insect or other animal food; but just as soon as the supply is cut off for any length of time they begin to deteriorate and assume a sickly appearance.

Insect-eating plants belong to several different families between which there is



Dionæa Muscipula, Venus Fly Trap.

little relationship other than the similarity in their carnivorous natures. They are widely scattered throughout the tropical and temperate zones, inhabiting regions which are continually marshy. In the East Indies, Madagascar and North Australia we have the grotesque looking plants with urn-like appendages to the leaves, known as East Indian plants (nepenthes), which, in greenhouses, are usually grown in company with orchids and other rare exotics. South Australia, India and South Africa furnish some dwarf-growing kinds known as sundews (drosera). In Europe, they are represented by only a few small but pretty species of the same genus. North America is the home of several of the most interesting of the many kinds. In the swamps near Mt. Shasta, California, there lives a plant which is quite unique



Common American Pitcher Plant, Sarracenia Purpurea.

in its general appearance. It is known as the Californian pitcher plant, Darlingtonia californica, the leaves of which resemble nothing so much as a snake with its head uplifted ready to strike. In the Eastern States, what are known as American pitcher plants, form no small part of the low growing vegetation. In the swamps of New Jersey the mosquito would be much more abundant were it not for several humble species of sundews which abound there. North Carolina has the proud distinction of being the only State where the Venus' fly trap, Dionæa muscipula, perhaps the most wonderful vegetable creation, is found in a wild state.

NEPENTHES.

The nepenthes is sometimes called the "vegetable distillery," because while the urn-like appendages at the ends of the leaves are in process of development, a clear oily fluid is secreted in the cavities of the pitchers. While this is going on, the lid or covering of the pitcher is tightly closed until it has attained its full size when the lid opens and the distillery is ready for its victims. The liquid has no attraction for the insects; it only serves to drown them when they are caught. The rim around the orifice of the pitcher and also the lid is covered with glands which secrete a honey-like substance; this attracts the insects, and those that venture on the interior surface of the pitcher quickly lose their footing, owing to the immense number of microscopical hairs which cover the upper part of the interior of the pitcher, the insects fall among the oily fluid and their struggles to regain their liberty only hasten their end.

It is very remarkable that different species of insects visit separate kinds of nepenthes; thus, the well-known N. distillatoria proves quite an attraction for the little red ants; N. Rafflesiana captures house and blue-bottle flies, while the large-pitchered N. intermedia is seldom without a supply of roaches. There is a species found in Borneo, called Nepenthes bicalcarata, which instead of insects, catches tree frogs. The entrance to the cavity of the pitcher in this instance is guarded by two strong spines resembling the tusks of a walrus; these spines point downwards into the pitcher; the frogs easily squeeze past to quench their thirst in the liquid secretion, but on attempting to withdraw their bodies they get hooked on the spines where they die of starvation. Their bodies, in decomposing, fall to the bottom of the pitcher where the juices from them are eventually absorbed by the plant.

VENUS FLY-TRAP.

The Venus fly-trap is rather startling in its method of catching the insects which venture on its leaves. The leaves may be roughly compared to the old-fashioned rat traps. Each leaf has two divisions which are hinged together at the base, the outer edges are bordered with stiff hairs, which, when the divisions come together, interlock exactly after the manner of the teeth in a rat trap. The moment a fly alights on a leaf, it closes the two divisions tightly together with a spring almost as quickly as a real trap, crushes the fly to death so that in a few days all that is left of the victim is a little mass of indigestible material, such as the wings, segments of the abdomen, etc. On each of the two blades of the leaf there are three sensitive hairs; these hairs, when touched by a very small insect, cause the blades to come together rapidly enough to ensure the capture of the insect. The margins of the leaf-blades then open slightly and in a few hours, if examined, the insect will be found completely coated with a thick fluid secreted by the plant. This fluid serves as a gastric juice to enable the plant the more readily to digest its



Sarracenia Drummondii.

food. If a small piece of wood or stone be put into the trap it will close on them, but in a few hours will open again; in course of time the material will be freed from the traps by the action of wind or rain. On the other hand, when insects are caught the leaves never open until all the nutriment is absorbed from their bodies, leaving only the parts which cannot be absorbed into the tissues of the plant.

AMERICAN PITCHER PLANTS, SARRACENIA.

The native pitcher plants are no less interesting than their tropical relations, the nepenthes. They inhabit marshy districts, from Maine to Florida, and are only found in the Eastern States. There are five species confined to the States south of Maryland, and only one in the Northern States; this is called Sarracenia purpurea, ordinarily known as "huntsman's cups" and "side-saddle flower." The leaves are in the shape of pitchers, each one is so formed as to hold a considerable quantity of water which collects during rainy weather. During the latter part of Summer insects of many kinds may be found drowned in the water which more than half fills the pitchers. The arrangement of hairs on the upper surface of the pitcher is quite remarkable; they are rather wide apart and all pointing toward the interior of the leaf. This is to induce the insects which alight on the lid to walk in the direction of the aperture, as it is rarely the case that a fly will walk across the points of the hairs or against them. The "parrot's head" pitcher plant, Sarracenia psittacina, is more fastidious in its selection of animal food. The aperture of even the largest pitcher is quite small, too small in fact to admit the entrance of the common house fly. Its favorite insects are the smaller species of ants and gnats, which may be found in great numbers in some of the larger pitchers. The commonest of the sarracenias in the Southern States is S. flava, popularly known as "trumpets." It is a tall-growing species with very curious aromatic smelling yellow flowers which, as a rule, open before the leaves are developed. Blue bottle flies are the principal animal food of this species; they are attracted to the trumpet-shaped leaves by a sweet, viscid secretion around the orifice. Any person in the immediate vicinity of the plants about the month of May can quickly tell when a blue bottle fly has been newly caught as it makes a buzzing sound which is accentuated by the trumpet-shaped leaf. The inner part of the leaf is a perfectly designed insect trap, so perfect that I have yet to witness a fly making its escape from one. The inner walls of the tube are clothed with an immense number of hairs from one-sixteenth to one-eighth of an inch long; all of them point to the bottom of the tube so that it is quite an easy matter for the blue bottle to reach the bottom; but with the points of thousands of miniature spears turned against him, escape is an impossibility.

Sarracenia Drummondii is the showiest of all the native pitcher plants. There are in fact but few plants which possess such gorgeous markings in the leaves. A well grown specimen never fails to draw forth expressions of wonder from those seeing them for the first time. This species is a native of the marshy districts of Florida. Under cultivation it makes two sets of leaves yearly, one in March or April, the second, and by far the prettiest, in November and December. The color of the top part of the tube is crimson spotted with pure white, the lower portion of the tube is green. The flowers are very similar in appearance to those of the Northern species, S. purpurea being dull red in color.

THE SUNDEW, DROSERA.

The droseras are popularly known as "sundews" from the leaves appearing as if covered with dew. The leaves are thickly studded with bright colored glandular hairs; on the extremity of each hair there is a little drop of gummy fluid which gives to the plant quite an odd and beautiful appearance, especially when the sun is shining. The insects which come in contact with this gummy substance soon get entangled in it and the long hairs of the leaves being irritable, very quickly make it impossible for the insects to regain their freedom. The hairs on the outer edges of the leaf serve only in the capture of its prey and actually convey the gnats and mosquitos to the shorter hairs in the center of the leaf where decomposition rapidly takes place.

In attempting the cultivation of any of the insectivorous plants, and there are no difficulties in the way of their successful culture, it must be borne in mind that they all require a very humid atmosphere during the period of growth. The soil in which they grow must be of a very



Darlingtonia Californica.

porous nature, such as rough peat moss and small pieces of charcoal. With the exception of the nepenthes, which require a hothouse, they may be grown in a cool greenhouse or frame. G. W. OLIVER.

How to Improve Present Methods of Landscape Gardening.

Prepared and read by J. Franklin Meehan, Germantown, Pa., before recent Farmers' Institute in Philadelphia.

Landscape gardening in this country is yet largely in its infancy, and just as the human infant is taught to acquire its knowledge, step by step, so must the people be taught, step by step, the fundamental principles of the question involved. To appreciate any profession and improve thereon, we must first learn the foundation on which it is built, for if familiarity with the foundation is lacking, the building of the necessary knowledge is at least faulty and laborious.

To treat our subject properly, let us, therefore, get at the basis of landscape gardening, considering the following questions: What is landscape gardening? What is its object? How can we appropriate it to our pleasure? How can we improve upon the present methods? and what are these methods?

Landscape gardening is an art—not necessarily a study only. I care little how much a person may know about trees and flowers, their growth, foliage and habits, if he has not the appreciation for a purely natural piece of landscape, nor the feeling and instinct to construct similar effects, he can never hope to be successful in the higher art of landscape gardening. Do not understand me to say that study and knowledge of the character of plants are not necessary; far from it, for without this knowledge the construction of a pretty landscape would be impossible, as one of the most important things is that we must picture in our minds what the effect will be, not this year, or the next, but when the trees shall have eventually come to maturity. This would of necessity be impossible without a thorough knowledge of every plant and tree used.

It cannot be too strongly emphasized that landscape gardening is an art and, like all other arts, a talent which must be exercised—not buried—to be brought to its highest state of perfection.

What is the object of landscape gardening? You may infer from what has been said that it may be practised only in the country, where unlimited space abounds; therefore, what can it mean to those who may be within the limits of a large city or who simply own an acre or two? In these days of progression man stops at nothing. He has caged the lightning of the clouds and brought it to our cities for light and transportation. Even the mighty Niagara has been bridled to man's wants. So in landscape work we must try to bring Nature's beauty right to our homes and cities. Of course, not in its entirety, any more than we could bring the waters of Niagara actually to our doors; but we must bring its powers —its Summer combination of color in foliage effect, and its berried effects of Fall, not forgetting the warm and bright Winter appearance of the various colored barks of many trees and shrubs. Take these powers and use them to relieve the monotony of bricks and mortar. In other words, let landscape gardening mean the reproduction of Nature's work where ever possible.

As we proceed with the next thought, How shall we appropriate the beauties of landscape to our pleasure and comfort? the subject begins to take a more active form. If we take a stroll along the lovely drives and walks of our famous Fairmount Park, and especially by the Wissahickon, we can get no more forcible illustration of this thought. I doubt very much if before the land for this park was taken there were more than a few hundred persons in Philadelphia who really supposed there was at command such a wealth of Nature's most costly gifts. But the land was condemned, and in course of time roads laid and paths made to interesting points; and thus was opened to thousands the opportunity for examining the beauties of Nature.

We may say, therefore, that the practical way to gain appreciation of the beauties of Nature is to open up the natural gems so that they may be appreciated with comfort and please the eye.

We now come to the more serious part of the subject—the present methods and their improvement. As stated, landscape gardening in this country is yet in its infancy, and we must, therefore, be prepared to excuse, though not overlook, the present methods; or, speaking from a purely scientific standpoint, the lack of method.

Perhaps landscape gardeners generally may not agree on this point fully, but nevertheless my experience has shown it to be a fact. Of course, there are exceptions, and happy ones, too, but as a rule, when there is anything to be done in the line of landscape work, there is absolutely no method in the undertaking.

Take, for example, you who claim appreciation for a beautiful landscape or snatches of nature, when you bought land for your farm, did it occur to you to locate your house in such a way as to make the surroundings add to the beauty of the house? Did you so locate it that from your windows you could look down over yonder meadow, just beyond the white oak, whose massive horizontal limbs stand out like individual trees, to that lazy stream where the cattle enjoy the cool of the waters and the shade from the trees by the water side? Did you use the same care that you did when you considered the housing of the cattle, the land which you had put in wheat or that which you would clear for timber or fencing?

Take another illustration: A gentleman purchases ten acres to build a country home, a place where he may rest from the toil and tumult of city life and business. When he is contemplating the building of his home, he has some idea of the style and character of the structure he intends to erect, so he instructs his architect to rough out plans on the line of his suggestions. The architect, with due consideration and study, works these suggestions into such form that they will agree with one another to give convenience, comfort and beauty, and his sketches, with possibly some minor alterations, are adopted. Now mark the continuation of the method. Bids are requested, and after healthy competition the work is awarded and the building begun. Let us suppose that in the course of construction the owner suggests some alterations that will materially interfere with the architectural beauty of the whole structure. Is it likely to be done? I venture to say no! The architect explains the result of such work as his experience foretells it, and the suggestions are most likely dropped.

Now here we have a man who, having mastered his profession, apparently, is practically in authority, and his work is carried out according to well laid plans, methodically.

What of the landscape work? What method here? As remarked, there are exceptions, but as a rule there is a confusion of ideas, including perhaps those of the owner, his friends, the gardener, the grader and the one supplying or planting the trees. Each may have good ideas regarding the parts of the landscape work with which he has to deal, and could possibly outline the whole to some degree, but it is hardly possible that each may have his ideas carried out, and yet make a harmonious landscape.

The roads and grading have a direct bearing on the rest of the ground, yet ideas at variance may lead a road up to the residence with a startling directness, instead of gracefully and easily approaching by natural lines and curves. And the contours of the grading, will they appear as in beautiful nature, or as a bare, level plain—or in the other extreme, like the fortification of a battle-field?

In planting will there be any consideration to leave a long, open vista to that large, grand old apple tree down on the hillside, or to that pretty little pond with the willows dipping gracefully in the water? Then, again, from the front of the place, looking toward the house, will there be appreciation of the possibilities of a long vista over the green lawn, with the limbs of that massive oak throwing shadows in the sun and inviting you to stroll over to that pretty Summer house, whose roof may be seen peeping over the tops of the beech trees? Will there be method in considering these questions? A definite idea or harmonious collection of them from first to last?

Unless one has a great deal of leisure at command the thought necessary for the details cannot be given, any more than the details of a house could be worked out. A man has a point of law, he takes it to his lawyer; when he desires medical advice he goes to a physician; when he is ready to build a house he seeks his architect, and also so when he purchases his land, he desires to lay it out properly and secures a landscape gardener. In each case the ideas or advice should be carried to completion. The work of the architect and the work of the landscape gardener being similar, in that the work should fully accord, it is well that they should go over the land together to select a possible site for a house, the architect with a view to architectural beauty and the landscape gardener with a view to landscape effect, that the results of both may fully accord with natural surroundings.

The site being selected, and the plans of the house fully accepted, the landscape gardener turns his attention to the most natural way to secure access to the surrounding thoroughfare and conveniences of travel. Straight lines will be the shortest distances to these points, but will it accord with the architecture or will it necessitate an enormous amount of grading, or perhaps it will cut up the entire lawn in such a way that it will be impossible to make any other effect than a stiff, geometrical net work of straight lines.

With limited time it is impossible to point out but a very few suggestions that must be considered. While some reasons may exist for a curved road, such as an easy grade or the avoidance of some particular large trees, it may be just as far wrong as the straight one. At times it is even correct to make a curve without an immediate apparent reason, such as the directing of the eye to some particular view of the distance. It is here that the landscape gardener must make an excuse for the curve. Here in this spot is the place for some mass effect or foliage of flowering plants, or possibly a collection of some specimen and rare evergreens, as his fancy suggests.

The roadways being laid out, he turns his attention to such paths as may be necessary for convenience. Here again his art is called into play. Unsightly buildings, places of domestic work, etc., are to be screened. Effects are here to be constructed that will, in a measure, turn these paths of necessity into pleasant and cheerful walks. At other times it is advisable to arrange walks other than those of convenience to points of particular interest—the croquet and tennis courts and points looking out to views of interest and beauty off the ground, or possibly to a secluded spot where a Summer house may be erected. But in such cases it is usually unwise to have other paths than the natural turf, as it is apparent in bad weather there is no necessity or desire to reach these spots, and in favorable weather there will be no necessity for artificial walks.

In the planting and location of trees he must naturally be guided by the character and location of the land under consideration. Here a knowledge of the nature, growth and habit of the tree is absolutely necessary. Few trees that grow naturally in a low, moist situation will grow well on high and dry land, and the same may be said of those that grow on high lands that they will not thrive in very wet situations, though, even to this rule there are many exceptions. Trees of slow growth and habit are not to be planted back of others that at maturity will be much larger, even though they are of the same size when planted.

In planting, the points of view, vistas, lawn surface and specimen tree must receive deep consideration to secure desirable effects. All these things are details, making up one harmonious subject. Is not method essential?

Passing rapidly over the planting let us suppose that the original work is finished. The system does not end here. The ideas must be maintained. A practical man is secure to keep the roads in order, dead wood trimmed from the planting and to note and replace any tree or shrub that may have died. A new road after construction is not necessarily or usually perfect. No matter how well it may have been made, regular attention is necessary. A few loose stones here and there will eventually result in a bad spot in the road, unless it receives immediate attention. It must be kept well shaped and well rolled, and eventually the labor expended will be repaid by a good hard and clean drive.

In the planting of trees it has been found necessary to prune them to a greater or less degree; and after they have made new growth all the dead spurs and weak wood should be again pruned away. This care will frequently save the life of a tree that is somewhat backward, and is beneficial by lessening the demand of the roots, which have not yet recovered from the transplanting. And here it may be well to call your attention to the struggle a tree must make after transplanting. It may be well compared to an operation upon a human being. If it becomes necessary to amputate a person's arm, no matter how well and strong the person may be, the operation is attended with great danger. So with a tree, it is really an operation, removing temporarily the sustaining power.

It is reasonable to suppose that some of the stock will die, and as each tree and shrub was planted for some particular use or effect, care must be taken to have them replaced with exactly the same as those used at first, so that the trees will eventually work out the picture that was in the mind of the landscape gardener when he first planned the place.

There is great room for improvement in the planting along the city streets, and a practical knowledge of trees with a definite plan is of equally great importance, yet it is rarely met with. Trees are planted promiscuously, two or three here and several there, while a combined effort of property owners would bring beautiful, shaded streets, of uniform or harmonious growth.

The choice of trees is important, as may be seen by the ill effects of the surface-rooting silver maple which usually in course of time raise the pavements; or by the short-lived poplar, whose rapid growth tempts the tree purner to offer his services year after year, whether needed or not. And the pruning, such as it is, is nearly always open to criticism. The limbs are frequently improperly sawn away leaving short stumps, which decay and finally weaken and destroy the whole tree. Tall growing trees are planted on the sunny side of shorter ones, making one side of the latter weak and sickly. Many are left unguarded and have their barks stripped by horses. This, however, might not result fatally, were the trees afterward cared for, the wounds regularly painted until healed over.

It is a grevious thing to have a weakness, but it is a blessing to know of that weakness so that we may profit by past experience and make such improvement as may lie in our power. Therefore, I repeat that with a few exceptions, which only prove the rule, we seldom see any positive method in our landscape work.

It may possibly appear that this discourse does not fully answer the question suggested by its title, but my endeavor has been to show that landscape work of all kinds must be put on a firm basis first of all, upon which everything will naturally develop by study and artistic instinct.

The tardy improvements in what are called "present methods" are solely due to the lack of system and broad conceptions, coupled with the absence of artistic instinct. When these obstacles are removed, landscape gardening will surely reach as high a plane in this country as in any other.

Publishers' Announcement.

COMMERCIAL HOME GROUNDS.

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The publishers of the FLORISTS' EXCHANGE, firm in the belief that the home surroundings of America's multitudes can only be made beautiful through force of example, and that these examples must be set and maintained by the florists and nurserymen themselves and, further, that the more attractive and numerous these examples become the more prosperous will be the business of the industries this paper represents, are now making arrangements, and expect shortly to publish the terms and conditions of a

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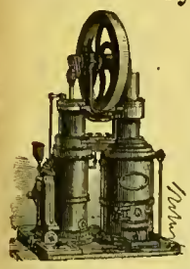



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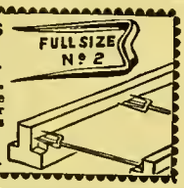



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EXPERT ADVICE AND PLANS FURNISHED. ESTIMATES FREE.

Mention the Florists' Exchange when writing.

GLASS FOR GREENHOUSES, GRAPERIES, CONSERVATORIES, AND HOTBEDS. GLASS

VANHORNE, GRIFFEN & CO.,

French and American Glass. 40 TO 48 VESTRY ST. COR. GREENWICH ST. **NEW YORK.**

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"NICOMITE"

(PATENT)

Vapor Insecticide

POWDER

No labor required. Harmless to bloom and foliage.

A CERTAIN KILLER OF ALL GREENHOUSE BUGS.

SOLD BY SEEDSMEN.

The Tobacco Warehousing and Trading Co., Louisville, Ky.

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BRIDESMAID AND BRIDE. Ready now in 2¼ inch pots, in exceptionally fine quality.
Strong, clean and healthy. Send for samples.
STEPHEN MORTENSEN, Southampton, Bucks Co., Pa. Near Philadelphia.
Mention the Florists' Exchange when writing.

LIBERTY Orders received now for April and May delivery.

GRAFTED ROSES. Kaiserin now ready to ship. Orders booked for Bride and Bridesmaid. Prices on application.

AMERICAN BEAUTY Own roots, 2½ inch pots, $6.00 per 100; $50.00 per 1000.

ROBERT SCOTT & SON,
SHARON HILL : DELAWARE CO., PA.
Mention the Florists' Exchange when writing.

ROSES FOR SUMMER PLANTING.
Now is the time to secure A1 stock to grow on for next season.

LIBERTY. The New Crimson, stock limited, on own roots, from 2½ in. pots.....$25.00 per 100.
" " grafted stock, from 2½ in. pots..... 40.00 "
LADY DOROTHEA. New buff color, } 2 in. pots..... 10.00
ADMIRAL DEWEY. New blush color, }
TEAS' STANDARD VARIETIES. Bridesmaid, Bon Silene, Catherine Mermet, Mme. Hoste, Mrs. Pierpont Morgan, Niphetos, Papa Gontier, Perle des Jardins, Sunset, The Bride, 2 in. pots, $5.00 per 100; $45.00 per 1000.
HYBRID TEAS. AMERICAN BEAUTY, 2 inch, $7.00 per 100; $65.00 per 1000. Kaiserin Augusta Victoria, La France, Mme. Caroline Testout, Meteor, Mrs. Robt. Garrett, Souv. de Wootton, selected 2 in. stock, $5.00 per 100; $45.00 per 1000.
ROSES FOR SUMMER BEDDING, CLIMBERS, ETC.
JOHN N. MAY, Summit, New Jersey.

Roses, Clematis, Rhododendrons, Etc.

ROSES.
Strong Two Year, Field Grown.
Crimson Rambler, 4 to 5 feet canes, $15. 2d size, 2 to 3 feet canes, $8 per 100.
Yellow Rambler, $8 per 100.
Hybrid Perpetual, in fine assortment $10 per 100.
Wichuraiana, Japan Creeping Rose, $6 per 100.
Wichuraiana Hybrids, 4 varieties, $8 per 100.
Tree Roses, fine heads, $30 per 100.
Liberty, New Red Forcing Rose, from 2½ in. pots, 12 plants at 60c. each; 25 at 50c. each; 50 at 30c. each; 100 at 25c. each.
General Assortment of Everblooming Roses, from 2½ in. pots $3 per 100; $25 per 1000.

CARNATIONS.
Rooted Cuttings.
Mrs. Thomas Lawson, $14 per 100.
The Marquis..... $10 "
Ethel Crocker..... $10 "
Olympia..... $12 "

Rhododendrons. Large stock of best hardy varieties, 15 in. to 2 ft. high, clean, bright foliage and well set with buds, $45 to $150 per 100.
Azalea Mollis. Strong bushy plants well set with flower buds, $35 per 100.
Hydrangea Paniculata Grandiflora. 2½ to 3 feet, $10 a 100. Tree form, 4 to 5 ft., $25 a 100.
Fruit and Ornamental Trees, Shrubs, Etc., in large assortment.
THE STORRS & HARRISON CO., - - Painesville, Ohio.

ROSE BUSHES
FIELD-GROWN, OWN ROOTS, FIRST-CLASS PLANTS.
THIRD AND LAST CALL These are the Sort of PRICES that TALK and Get Your Order, even if you do not particularly need the plants at this time.
Many of the varieties are extra fine plants, notably Bride, Henriettes, Climbing Wootton, Climbing Kaiserin, Hermosa, Soupert, and all of the Hybrids. Our La France, listed at $6.00 and $7.50 per 100, are worth $10.00. An average assortment of these plants will weigh about 300 pounds to the thousand; all Hybrids, more. You can well afford to order by express, considering low prices. We reach most distant points in six days.
Not Less than 10 of a Variety and Cash with Order.
BE QUICK OR THE OTHER FELLOW WILL GET THEM.
$5.00 PER 100. Baron de Rothschild, Soupert, Devoniensis, Duchess de Brabant, Duchess of Albany (rather light), Earl of Dufferin, Fisher Holmes, Hermosa XXX, Homer, John Hopper, La France, Dinsmore, Beauty of Glazeowood, White Moss, White Bath, Dr. Grill, Jas. Nebannand, Lord and Lady Penzance, Sweet Briars, Marie Ducher, Mignonette, Parquerette, Mrs. J. Laing, Marie Lambert, Snowflake, Mme. Bravy, Queen Scarlet, Safrano, Reine Marie Henriette, Souv. de Wootton, Waban, White Rambler, White La France.
JAPANESE IRIS Best named sorts, $5.00 per 100.
$6.00 PER 100. Anne de Diesbach, Belle Siebrecht, Bride, Capt. Christy, Crimson Rambler, General Jacq., La France, Louis Van Houtte, Magna Charta, M. P. Wilder, Margaret Dickson, Paul Neyron, Prince Camille de Rohan, Pres. Carnot, Ulrich Brunner, Folkstone, Wichuraiana, Yellow Rambler.
$7 50 PER 100. La France, Cecile Brunner.
$10 00 PER 100. American Beauty, Climbing Wootton, Papa Goutier.
$15.00 PER 100. Kaiserin, Climbing Safrano, Marechal Niel XXX.
$25.00 PER 100. Climbing Kaiserin.
THE HOWLAND NURSERY CO., Los Angeles, Cal.
Mention the Florists' Exchange when writing.

The Question Box

(77) **Greenhouse Heating.**—How many 1-inch steam pipes will it take to heat a greenhouse, 25x150 and 14 feet pitch; house runs east and west, three-quarter span, long span to the south. What size main will it take to feed the pipe. The main will have to go overhead to get a proper return.

What horse-power steam boiler will be required to heat the house just mentioned, and two other houses, 20x80, and 11 feet pitch, and 75 violet sash, the large house to 65 degrees, and last two to 50 degrees, with zero weather; the violet sash to have 2-inch steam pipes through them. The violet sash lie against south of said houses, and I want to do away with handling mats and also buying or making them. I was thinking of running a 1-inch steam pipe on the front and back of said sash another season. Is this practicable?

What is the best and cheapest way to build a boiler pit to keep out water which rises in every hole around in wet weather; and all my cellars are filled with water.

—Sixteen 1-inch pipes in addition to a 2½-inch main will be required for the rose house. A 30-horse power boiler will be desirable; although one slightly smaller might answer, it will be at a sacrifice of fuel and labor.

When steam is used in a violet frame there is often trouble from red spider. If the sides of the frame are well protected two 1-inch steam pipes will give the necessary heat. If the south side of the frame is low it will be well to place a narrow board on edge between the pipe and the plants. If this extends about 2 inches above the pipe it will throw the heat up toward the glass; and the danger of injury to the plants will be lessened.

A water-proof boiler pit can be made by laying up brick walls in cement and then plastering the inside with cement. This should be done during the Summer, when there will be no trouble from water until the cement has had time to set. Another way is to excavate 9 inches deeper and 18 inches wider than the pit is to be and build up a wall of grout. Prepare this by thoroughly mixing one part of Portland cement, two parts of sharp, coarse gravel, and two parts of broken stone, or small cobbles about the size of a hen's egg. Then add water enough to barely moisten the mass and give it another mixing. Place enough to make 8 inches, after it is compacted, in the bottom of the excavation and give it a thorough packing. Make a framework of boards to hold the sides, in place and then fill in the grout and compact as before. After a day or two take out the framework and plaster the sides and bottom, using one part of Portland cement and two parts of sifted shark sand. If in a dry place, or where the sun can strike it, there is danger that it may dry out too quickly, and if it begins to becomes white within a week it should be frequently wet down.

(78) **Compost.**—I want to make my compost pile for roses soon. Will you tell me whether the following compost is right or not: To 45 one-horse cartloads of sod add 10 cartloads of pure cow manure, 200 pounds pure bone, 150 pounds tobacco dust, 10 bushels of stove lime. Would green manure hurt? What is the best soil to make a compost of, for Bridesmaid and Perle roses—R. L. I.

—The proportions mentioned will make a good compost for roses, if the sods contain the right kind of clay. There would be no objection to doubling the amount of ground bone if it is free from acid; and the addition of 10 or 15 bushels of wood ashes would also be desirable. I would prefer not to add the tobacco dust until the soil is placed on the benches. The proportion of manure is fully large enough, as it is generally best not to use more than one-fifth or even one-sixth as much manure as sods for the compost; and after the plants have become established supply the plant food needed, either in top dressings or liquid manure. —L. R. T.

I have a greenhouse 17x100 feet and 9 feet to ridge; double boarded, paper between; butted glass running east and west. I want to heat it with hot water and have on hand 1,050 feet of 1-inch, and 300 feet of 1¼-inch pipe. Will this amount of pipe be sufficient to maintain a temperature of 60 degrees in zero weather?—SUBSCRIBER.

—One-inch pipe is rather small for use in a greenhouse, especially when the house is more than 50 feet long, and unless the boiler is well below the surface, and overhead flow pipes are employed, it will be better to use the small pipe for other purposes and put in 2-inch pipe for the coils. If the 1-inch pipe is to be used there will still be need for about 250 square feet of radiation more than will be furnished by the pipe of both sizes on hand, and I would suggest that four 2-inch overhead flow pipes be put in and the return pipes grouped into four coils. If three coils can be used to better advantage than four put in three 2½-inch overhead flows to connect with the corresponding number of coils. Unless the boiler is sunken below the surface it will probably be necessary to use a closed system, but if a good circulation can be secured it will be best to have an open expansion tank.—L. R. T.

SPECIAL NOTICE
The unprecedented demand for the new and beautiful
ROSE LIBERTY
Has made it necessary for us to announce all stock for March delivery has been sold and orders hereafter will be taken and filled in their order of receipt, until further notice. To be sure of any of this stock for April and May delivery it will be necessary to order early. One quarter of the stock is controlled by us and no one has authority to sell in the New England States except by our permission.
Prices are as follows: Best stock grown.

Own rooted Plants, 2½ in. pots.	
12 plants	60 cts. each.
25 "	50 "
50 "	30 "
100 "	25 "
1000 "	20 "

Grafted Plants, 2½ in. pots.	
12 plants	75 cts. each.
25 "	60 "
50 "	50 "
100 "	40 "
1000 "	35 "

EDMUND M. WOOD & CO., Natick, Mass.
Near BOSTON.
Mention the Florists' Exchange when writing.

Ramblers Crimson, Yellow, White, XXX, strong, own roots. ADDRESS
STEPHEN CRANE, NORWICH NURSERIES, NORWICH, CONN.
Mention the Florists' Exchange when writing.

IF YOU NEED ROSES
Send us your list for prices.
THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.
Mention the Florists' Exchange when writing.

BRIDES AND 'MAIDS
2½ inch, ready for a 3 inch shift.
$3.00 a 100; $25.00 a 1000.
CASH WITH ORDER.
J. B. HEISS, The Exotic Nurseries, **Dayton, Ohio.**
Mention the Florists' Exchange when writing.

ROSES From 5 inch pots, 9c. Fine clean plants; Gen'l Jacqueminot, La France, Clothilde Soupert, Malmaison, Coquette des Blanches, Coquette des Alpes.
Large Flowered Clematis, purple and white sorts, fine 2 year plants, from 5 in. pots or dormant, 18c. Some extra strong 3 year plants, dormant, at 33c. Also fine 1 year dormant plants, at moderate price.
Hydrangea, P. G., extra fine, 3 ft., bushy, at 8c.; 2 ft., bushy, at 6c. PACKING FREE.
W. H SALTER, - - ROCHESTER, N. Y.
Mention the Florists' Exchange when writing.

ROSES—50 Varieties
Send your list for prices.
GERANIUMS Well-established, in 2½ in. pots, $3.00 per 100; $25.00 per 1000. La Favorite, Peach Blossom, Marg't de Layres, Geo. Grant. We have 25 other good varieties, mostly double. If you leave selection of kinds to us, $2 50 per 100; $20.00 per 1000.
Baby Primrose, 2½ in. in bloom, $3.00 per 100; $25.00 per 1000.
Asparagus Sprengeri, 2½ in., $3.50 per 100; $30.00 per 1000.
Double Petunias (mottled), 2½ in., $3 00 per 100.
Moonvine, 2½ inch, $3 00 per 100.
Fern N. Cordata Compacta, 2½ in., $4 00 per 100.
JOHN A. DOYLE CO., Springfield, Ohio.
Mention the Florists' Exchange when writing.

GENEVIEVE LORD.

The Peerless New Pink Carnation.

IN all of our long experience we have never had a Carnation produce as many first-class, high-grade blooms to the square foot as Genevieve Lord. It blooms early and the year round. Its color is just right; "beautiful," "lovely," "exquisite," "perfectly charming," are some of the adjectives used by some of our lady customers in describing it. With all its good productiveness, size is a leading feature, large enough to put it away up front. Its grand stem is perhaps its crowning feature. What is a flower without a stem? Genevieve Lord stands up straight twelve months in the year. When you think of all this, and a non-bursting calyx thrown in for good measure, there is little left to be desired. We are pleased to announce that we can fill orders promptly after April 10th, but do not know how long we can promise this, as stock is going rapidly. To clinch matters and drive a good bargain, order at once.

Price, doz., $2.00; 100, $10.00; 1000, $75.00.

WHAT GROWERS THINK OF THE CUTTINGS.

Genevieve Lord cuttings arrived in good order.
H. DALE, BRAMPTON, ONT.

Your Genevieve Lord cuttings are the finest I have ever received of a new variety. If all others were as good I would have no kick coming.
GEO. R. GEIGER, NAZARETH, PA.

The best Carnation cuttings (Genevieve Lord) I have ever received.
A. HERRINGTON, MADISON, N. J.

Genevieve Lord cuttings arrived safely, none the worse for their long journey.
J. GAMMAGE & SONS, LONDON, ONT.

Carnation cuttings received. They are extra fine, especially the Genevieve Lord. If I can only grow them as well as they look, I will be satisfied. Next time I want good stock I will know where to send.
W. H. VANCE, WILMINGTON, DEL.

Justice as well as gratitude demands my informing you that the carnation cuttings arrived 16th inst., proving most satisfactory in every respect. I have yet to see as fine healthy a lot of plants anywhere as these, and you have insured my future orders, so long as you continue to send out this high grade of plants. These cuttings are so far superior to those received from other growers, that comparison can hardly be made, they are in a different class altogether. JAMES L. LOMERSON, Phillipsburg, N.J.

Can also furnish all of the big new ones at introducers' prices, as well as the best standard varieties. A complete list of the best new and standard **CHRYSANTHEMUMS.** Catalogue free to all applicants.

WHAT EXPERTS THINK OF THE BLOOMS.

CINCINNATI, OHIO, January 16, 1900.

MESSRS. H. WEBER & SONS, Oakland, Md.

Gentlemen:—I want to congratulate you on being the introducers of Genevieve Lord, your new pink carnation. Although I have not seen it growing, I have seen it exhibited at nearly all seasons of the year, and, taking all its good qualities into consideration, I believe it to be the best pink of its class in the market to-day. It is strictly a commercial flower, and will produce the dollars and cents. I predict for you a phenomenal sale for this carnation. Yours very truly,

[Signed] E. G. GILLETT.

H. WEBER & SONS, Oakland, Md. ST. LOUIS, Mo., January 24, 1900.

Dear Sirs:—In regard to what I think of Genevieve Lord, and what I heard spoken about it at the meeting, is this: Color just right and what is wanted and will sell. Shape and size as good, if not better, than any carnation ever sent out; very sweet; stems the best ever seen on any carnation sent out. In keeping and shipping qualities it beats any carnation that I have ever seen; as I mentioned last time in my letter to you, they looked as fresh as if they had just been cut. Yours very truly,

[Signed] E. SCHRAY, Secretary St. Louis Florists' Club.

WASHINGTON, D. C., January 12, 1900.

MESSRS. H. WEBER & SONS, Oakland, Md.

Dear Sirs:—We have handled your new carnation, Genevieve Lord, for the past year, and beg to state that it is one of the finest carnations we have ever handled. It has become very popular here in Washington, its beautiful color making it a ready seller. Together with color its most distinct points are its extra long stems and perfect, erect habit. It has a marked individuality, enabling customers to recognize it at a glance. It is one of the few new carnations that have so many good points, and we feel satisfied that it has a great future before it. It is some little trouble to educate the people up to paying $3 and $4 per dozen for carnations, but if any carnation will bring the price, it is Genevieve Lord.

[Signed] Yours very truly, J. H. SMALL & SONS.

H. WEBER & SONS, - - OAKLAND, MD.

CARNATIONS

ROOTED CUTTINGS.

WM. SCOTT, $10.00 a 1000. L. McGOWAN, $7.50 a 1000. LADY EMMA, $12.00 a 1000. 500 at 1000 rate. Unrooted cuttings at half price.

ED. FISCHER, Maspeth, L. I.

Mention the Florists' Exchange when writing.

Carnations, Rooted Cuttings, Crane, $6 per 100; America, $5 per 100; White Cloud, $4 per 100; Jubilee, $2 per 100; Scott, Daybreak, Victor, F. Hill, McGowan, Evelina, Eldorado, $1.25 per 100, $10 per 1000.

Roses, 2-inch Pots, Select Stock. Perles 4 cts.; Bride and Bridesmaid, 3 cts. Send for list of other varieties.

WM. MURPHY, Sta F, Cincinnati, O.

Mention the Florists' Exchange when writing.

NEW CROP **WINTER-BLOOMING**

Carnation Seeds!

Hand Fertilized, 25c. per 100. Cash with order.

AMERICAN ROSE CO., Washington, D C.

CARNATIONS John Young, New York, Eldorado, Hector, $1.50; O. H. Crane, $6; White Cloud, $4; Mrs. Jas. Dean, $3 a 100. Unrooted John Young and New York at half price.

GERANIUM. Geo. Grant, S. A. Nutt, La Coobable, 3 inch, $3.00.

DOUBLE PETUNIAS. 2½ inch, $2.00.

HELIOTROPE. Rooted, $1.00; 2 inch, $2.00. Orders for started Cannas booked.

Wanted, some thousands of Cannas, Florence Vaughan and Alphonse Bouvier, at lowest cash price.

WILLIAM STUPPE, Hollis, L. I., N.Y.

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS.

Wm. Scott	per 1000,	$10 00
Maude Adams	per 100,	3 50
Mrs. F. Joost	per 100,	2 50
Lady Emma	per 1000,	12 50

☞ Unrooted at half price.
☞ Write for prices on large lots.

CHARLES LENKER, Freeport, L. I.

Mention the Florists' Exchange when writing.

HARDY PINKS

Rooted Cuttings. Now Ready. 7 Sorts, as follows:

HER MAJESTY, Giant White. ALBA FIMBRIATA, White, fringed. BRUNETTE, Pink, with maroon markings. EARL OF CARLISLE, Variegated, maroon, rose and white. GERTRUDE, White, maroon markings. LAURA WILMER, Pink, with darker shadings, fringed. MAY, beautiful flesh-pink, very fragrant.

$1 per 100, postpaid; $8 per 1000, by express.
SATISFACTION GUARANTEED.

A. B. DAVIS & SON, Purcellville, Va

Mention the Florists' Exchange when writing.

R. C. CARNATIONS, CLOSING OUT PRICES.

	Per 100
Mrs. Thos. W. Lawson	$12 00
Olympia	12 00
Genevieve Lord	9 00
Morning Glory, light pink	6 00
John Young	1 00
White Cloud	2 00
Mrs. G. Bradt	3 00
Gold Nugget	2 00
Argyle	75
Armazindy	$ 75
Flora Hill	1 00
America	3 00
Melba	2 00
Glacier	2 50
Maude Adams	2 00
Empress	75
Psyche	70
Mary Wood, fine	3 00

UNROOTED CARNATION CUTTINGS.

	Per 100
G. H. Crane	$2 00
Glacier	1 50
Mrs. G. Bradt	1 50
Melba	1 50
Gold Nugget	1 00
Flora Hill	$ 50
Mary Wood	1 50
White Cloud	1 00
America	1 75

Unrooted Cuttings Prepaid by Mail.

PLANTS—ALL GOOD STOCK.

		Per 100
GERANIUMS:		
De Roo Mitting	2¼ in.	$7 00
Double Snow Drop	"	7 00
Mme. Salleroi	"	2 00
Named, our selection only	"	2 00
New Yellow Baby Primrose, in bloom	2¼ in.	7 00
Salvia, Clara Bedman	"	1 50
Coleus, named	"	1 50
Petunias, Mixed Doubles	"	2 00
Petunias, Mixed Doubles	3 in.	3 00
Primula Obconica, in bloom	3½ in.	3 00
Primula, Chinese, in bloom	3½ in.	2 50
Primula, Chinese, in bloom	2¼ in.	1 00
Primula, Chinese, from flats		50
Begonias, Flowering, 12 named varieties	2¼ in.	$1 50
Forget-Me-Not, winter bloomer	"	1 50
Iresines, red and yellow	"	1 50
Mesembryanthemum, basket plant	2¼ in.	1 50
California Moss, basket plant	"	1 50
Lobelia, blue	"	1 50
Feverfew, little gem and yellow foliage	2¼ in.	1 50
Cigar Plant	"	1 50
Abutilons, mixed only		1 50
Roses, Bride, Bridesmaid and Perle	2¼ in.	2 00

MORRIS FLORAL CO., MORRIS, ILL.

Mention the Florists' Exchange when writing.

LAST CALL!

Our grower, MR. KUHN, reports that he has only a few thousand more plants of that **new** and **very valuable** (in fact, the very best light pink)

Carnation "Mrs. Bertram Lippincott"

which variety was awarded 86 points of merit at the Carnation Growers' Convention at Buffalo. It is a cross between **SCOTT** and **DAYBREAK**, which is sufficient description to prove its merits.

Order at Once. Price, $10.00 per 100; 25 and over at 100 rates. " 75 00 " 1000; 250 " at 1000 "

HENRY F. MICHELL, 1018 Market St., Philadelphia.

Mention the Florists' Exchange when writing.

Photography for Florists.

BY L. V. HALLOCK.

The very important part which photography is playing as an adjunct in the florist's and seedsman's business, and the imperfect work accomplished as exemplified by the specimens submitted in many instances, has suggested the idea of obtaining from a practical photographer, an exhaustive article giving valuable hints as to how photographing can best be done in order that the reproductions will show to greatest advantage; also to demonstrate that a skilled commercial photographer is not a *sine qua non* in the operation, for with some knowledge of photography nearly as good work as can be turned out by the artist photographer can be produced by the enthusiastic amateur endowed with the necessary faculties of patience and perseverance. Therefore, in order to assist the latter to a clearer insight into the subject we subjoin the undernoted article by Mr. L. V. Hallock, who has had much experience in the photographing of flowers, plants, greenhouse interiors and exteriors, etc., and whose work in this line is of the highest caliber.

How often it is that a grower has a specially fine specimen plant or flower and wishes that he could photograph it, either to insert in a catalogue or to use for future reference. Often in such a case, before he could send for a photographer, the flower would be past its best. Again the photographing of flowers is out of the line of the general photographer; it is a distinct branch by itself, and to do the work well one must have a taste for flowers and know something of their habits.

CAMERAS.

Of course, it is understood that the more high-priced the camera the better the work to be expected—all other things being equal—but it is not absolutely necessary that a costly instrument be used, as passable work can be done with the ordinary 5 to 7 long focus folding cameras, fitted with rectilinear lens. The 5 by 7 size is recommended, as it gives the engraver a chance to reduce the picture in making the half tone; this is desirable, as any defects in the photograph will be thereby lessened instead of increased, as would be the case were the picture taken on a small plate and then had to be enlarged—something often necessary. A long focus camera is preferable, as it allows the taking of a single flower "life size," and to do this the bellows must be drawn out much further than the focal length of the lens.

THE BACKGROUND.

The color of the background depends on the color of the subject to be photographed. For light-colored flowers a medium shade of gray is better than black, especially if the picture is to be reproduced in half tone, for the reason that, in order that the printer may get the background "solid," he has to carry so much ink and pressure that in a short time the cut is filled up, thus destroying the fine work. For dark flowers use a light shade of gray. Always have the background far enough in the rear of the subject that no shadows are cast on it. It is sometimes possible, however, to have the flowers close against the background and still not cast shadows that will mar the effectiveness of the finished print; this must be governed by the lighting. As a background for palms and large plants, if nothing else is available, a large piece of cotton cloth will be found satisfactory; but for single specimens we prefer felt. When photographing plants out-of-doors try to avoid, as far as possible, the background of other plants, because they often blend one with the other, detracting, in a measure, from the form of the one it is desired to show.

TIME AND PLACE TO DO THE WORK.

Never photograph flowers or the interiors of greenhouses in bright sunlight. This is the fatal mistake which amateurs too often make, as, to them, it lessens the time of exposure, thus decreasing the possibility of blurred pictures. Always take single blooms or plants in the shade; by this is meant any bright light out of the direct rays of the sun. A north light is preferable, as it is the most steady.



Chrysanthemums Photographed by Welsbach Light.
(Reproduced by courtesy of "Photo-Beacon.")

PHOTOGRAPHING GREENHOUSE INTERIORS.

In photographing the interior of greenhouses always choose a cloudy day if possible. Otherwise do it early in the morning, or late in the afternoon, and always be sure to have the sun at the back or side; never in front.

TAKING SINGLE FLOWERS.

To photograph a single carnation to show the strength of the stem and the character of the flower and calyx, take a bottle and place the stem of the flower in it, cutting off the support in the finished print, unless it is desired to show the full length of the stem also. Arrange the flower so as to show it to best advantage; if it will not retain the position desired, hold it in place and fill the bottle with sand. In arranging, do not touch the part you wish shifted, but some other part, until the coveted end is attained. If the flower still persists in moving tie a fine thread to it, as near the bloom as possible, and then fasten the thread to a tack in the background, but be sure that the flower is in line with the tack and string so as to hide these from view. In arranging bear in mind that the flower is being photographed for record rather than pictorial effect; still, the latter should not be entirely overlooked. A rather careless arrangement, too, tends to bring out the beauty of the flower better than a rigid setting.

To photograph a single flower face on, take a piece of rather thick greenhouse glass—the larger the better—have a hole about three-quarters of an inch in diameter bored in the center of it, and add some arrangement so that it will stand up perfectly straight. Stick the stem and calyx through the hole, leaving only the petals of the flower showing; fasten the stem straight out, possibly, as above explained, with a string and a tack to the background. The better thing to do is to cut off the stem, and then if the flower wiggles, wrap some paper around the calyx until it becomes steady. Focus on a point midway between the center and the top of the flower, and see that there are no reflections from the glass; i. e., that nothing can be seen on the ground glass but the flower and the background. Place the latter sufficiently far behind the glass that no shadows fall on it. If it does not cover the entire plate get a larger background; never try to "make it do." Always remember to have the light come from the side.

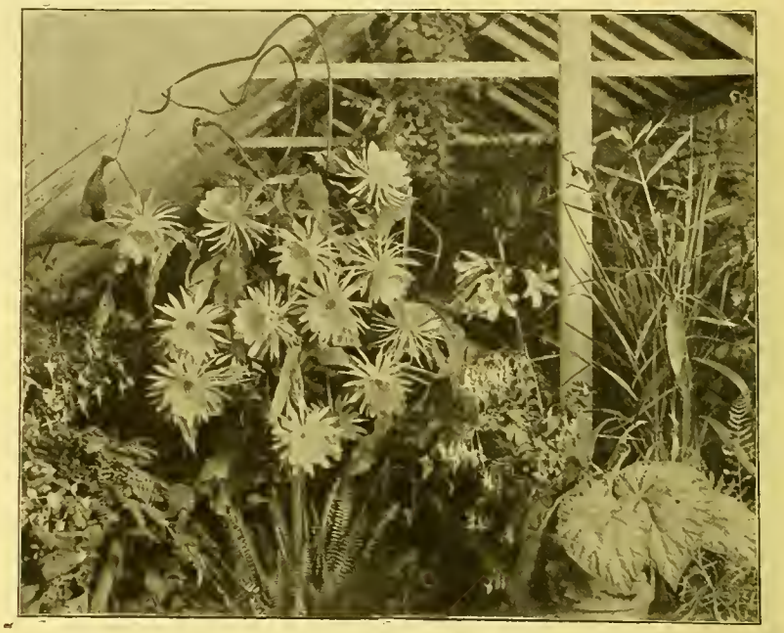
Instead of glass, wood may be used, but the objection to wood is that the lighting will have to come from directly in front, resulting in a flat negative, in order to avoid shadows of the flower.

FOCUSING.

An explanation of how to focus is somewhat difficult. Focus so that the flower covers as much of the ground glass as possible. Take time and do not give up until satisfied the result will be perfect. Have the light fall on the flower at an angle of about 45 degrees, and from the side. If the flower is light in color, with dark foliage, the latter may be brought out better, without the flower having to suffer for it, by placing a lamp (bicycle lamp preferably) so that its rays shine on the lower half of the background, but so arranged that they do not play on the foliage itself.

PLATES AND PRINTING.

Use isochromatic plates, medium in Summer, instantaneous in Winter. If the color of the flower is yellow or violet use a color screen in addition to the isochromatic plates. Stop the lens down to 32 or 64, and expose for the shadows in the flower; the high lights will take care of themselves. An actinometer will give the correct exposure. A lengthy washing after development tends to bring out detail. Print on Special Portrait Velox paper and manipulate according to the directions furnished with each package, with the following additions: After the prints are thoroughly washed and freed from hypo, remove them to a bath of one drachm of formaldehyde to 16 ounces of water—a solution to prevent the prints from adhering to the ferrotype plate. It does not matter how long the prints remain in this. From this bath remove them without further draining or rinsing to the tray containing the ferrotype plate and "squeegee" in the usual manner. This gives a finished print that cannot be excelled.



Night Blooming Cereus—Photographed by Flashlight

LEAVE RETOUCHING ALONE.

Do not meddle with retouching. If you think it is necessary take the negative to an expert in that line, but as photographs of flowers for reproduction in the trade press or catalogues are taken for "record," do not let him tamper with the flower itself (confine his work to spots on the negative, etc.) as, with a few touches, he can make the flower appear different from what it really is in life, and so, of course, spoil the purpose of the photograph.

TAKING BUNCHES OF FLOWERS.

In photographing a bunch of flowers use a long, narrow vase and an odd number of blooms, 3, 5, 7, or 9. An even number is difficult of arrangement and a greater number of blooms than 9, except in rare instances, will appear too crowded to be of any practical advantage. Arrange the flower to show its various parts—one placed face on, one side, one back, etc; of course, having in mind the remarks regarding apparent carelessness in the arrangement. Focus with a medium opening and stop down until the picture is sharp all over, and expose accordingly.

For the interior of greenhouses, focus to get the middle sharp, then stop down to the smallest opening and give ample time; this can be done, as there is no chance of movement with the ventilators all closed. For this work it is desirable to have a good wide-angle lens—a No. 5, series IV., Bausch & Lomb, as it defines the near objects as well as the distant ones.

THE USE OF THE FLASHLIGHT.

The flashlight is a useful adjunct in photographing any of the interior

arrangements of the boiler house or stoke holes, or some of the night-blooming flowers. We reproduce a picture of a night-blooming cereus, with 13 open flowers, taken by flashlight; and the plant and surroundings are as fully timed as if made in daylight

There are several kinds of flash compounds used, most of them explosive mixtures, and great care must be exercised in the use of them. They are usually spread on a suitable support and fired by means of a fuse. We much prefer the storage flashlamp, as with it the light can better be held under control; and the flash can be prolonged several seconds if necessary. The lamp used by the writer is the Prosh storage flashlamp. Be sure to use only pure magnesium powder in any storage flashlamp, or serious accidents may follow. One may as well fill the reservoir with gun powder as with any of the explosive compounds, which only should be used on an open support.

In making a flashlight exposure, be sure to have the source of light at the side or back and above the camera so as not to have the flame strike the lens. Our experience has been that it is best to place the flashlight above and a little at one side of the camera.

DEVELOPERS.

This is a debated question and hard to solve. Every maker of plates has his special formula, and there are no two alike. Then again, many old workers have their own pet developer. We belong to the latter class, and for those who wish to try making their own we give the formula below, as follows:

No 1 solution:

Water,	64 ounces
Sulphite of soda granular,	4 onnces

Dissolve and make slightly acid with sulphuric acid, C. P., adding a few drops at a time, until a piece of blue litmus paper turns slightly red, then add

Eikonogen,	320 grains
Hydrochinone,	320 grains

No. 2 solution:

Water,	64 ounces
Sulphite of soda crystals,	2 ounces
Carbonate of potash,	8 ounces

It is best to keep the developer in small bottles, say 4 ounces, filled full and well corked. In this way it will keep until used up, but if left in a large bottle, where it is only used occasionally after the bottle is partly empty and allowed to stand for some time, it will oxidize and spoil, owing to contact with the atmosphere.

For use take equal parts of No. 1 and No. 2, adding at the time about one drop to the ounce of developer of 10 per cent. solution of bromide of potassium. This is to act as a restrainer and to keep the shadows clear.

If a negative of more contrast is desired use more of No. 1 than of No. 2, and if a plate is known to be over-exposed it is better to take half the quantity of No. 2—the accelerator; at the same time weaken the developer still more by adding about one-half the quantity of water. If the plate is then found to have had a normal exposure, or has been undertimed, pour off the developer and flow the plate with water while a new developer is being made up. When one has a number of plates to develop it is a good plan to use part new and part old developer.

Developers, all ready for use, can be had at any of the stock houses, either in solution or dry form, so that all that is necessary to be done is to add the required amount of water.

The cheapest way is to get the chemicals and mix your own developer.

It may be well here to state that any of the developers work well when properly handled, and we would strongly advise the beginner to choose one developer and stick to it until mastered. The whole secret lies in giving the plate the right exposure, and if this is done any developer will work well.

We would add here that the best negative is one of medium density, that will give a brilliant print full of detail. This should be aimed at more than one of very strong contrasts, which are of no use for half-tone work.

PRINTING.

The kind of paper to print on depends on the use to be made of the picture. If for half-tone plates there is nothing as good as Solio paper, or Special Portrait Velox. They are easy to work, and by squeegeeing the finished prints on ferrotype plates they will come off with a smooth, glossy surface when dry—just what is needed by the photo engraver. If one wants prints for the artistic effect, and that are as permanent as a steel engraving, there is no paper that can compare with Platinotype.

PANORAMIC VIEWS.

If at any time it is wished to make a photograph of the outside of a greenhouse, or a number of houses, and it is impossible to get them all on one plate, this can be overcome first by having the camera level, which is quite essential, and focusing carefully, beginning at one end of the view. After making the first exposure note carefully the object that is on the right of the picture (if you begin at the left end), then carefully, without moving the tripod, but by loosening the screw, turn the camera until the point of view that was on one side of the ground glass is transferred to the other, allowing one to lap over the other about one-half an inch. Continue the operation until all the field desired in the picture is taken. Then after printing they can be cut and joined in one continuous picture. With a little skill, by being careful to have the negatives and prints as near the same density and color as possible, and by scraping the edges of the prints thin, and allowing them to overlap slightly, one would scarcely notice where they were joined. The reason for lapping instead of butting the prints is that on drying butted prints would draw apart slightly, leaving a white line; whereas lapped prints would scarcely show the joining if the edges were scraped thin. The view of greenhouse establishment shown on this page, was taken in the way just described.

Excellent photographs can be taken by Welsbach lights, as the accompanying picture of chrysanthemums plainly shows. The flowers were white, with yellow center. One lamp was used at a distance of 3 feet from the subject; the lens was stopped to 8 and the exposure 5 minutes on Stanley plate.



A Panoramic View of Greenhouse Establishment—Taken in different parts with ordinary Camera, then joined.

THE EXPERIMENT STATIONS.

NOTES ON VARIOUS PLANT DISEASES. Bulletin 164, New York Agricultural Experiment Station, Geneva. By Prof. F. C. Stewart.—Treats upon a Bacterial Rot of Onions; Powdery Mildew on Field-grown Cucumbers; Dodder on Cucumbers Under Glass; Spot on Fruit of Baldwin Apple; a Fusarium Leaf Spot of Carnations, and Chætomium Contortum on Barley Seedlings.

SALT BUSHES. Farmers' Bulletin 108 U. S. Department of Agriculture, Washington, D. C.—This plant will grow on strong alkaline lands, and is said to be useful as forage.

BUR, OR GLOBE, ARTICHOKES. Circular 22, Division of Botany, U. S. Department of Agriculture.—Deals with cultivation, varieties and methods of cooking.

GRASSES AND FORAGE PLANTS.—Bulletin 2, Vol. XI, University of Tennessee, Knoxville, Tenn. Treats on domesticated grasses, which are fully described and illustrated; also leguminous plants, and meadows and wild pastures.

SCALE INSECTS, San José and other species.—Bulletin No. 4, Vol. X, of same station. Furnishes descriptions and illustrations; also suggests remedial measures.

PERSIMMONS.—Bulletin No. 1, Vol. XI, same station. Illustrates and describes the best varieties; also furnishes cultural requirements, and discusses the commercial aspect of this fruit.

THE APPLE IN NORTH CAROLINA.—Bulletin 149, North Carolina Agricultural Experiment Station, Raleigh, N. C. A bulletin of practical information for the apple growers of the State.

THE HOME VEGETABLE GARDEN AND ITS PESTS.—Bulletin 132, same station.

RICE CULTURE in the United States.—Bulletin 22, Division of Botany, United States Department of Agriculture, Washington, D. C.

CULTIVATION OF THE PEACH TREE.—Bulletin 120, same station; including the peach tree and its parasites; the planting, pruning and cultivation of the peach.

SMOOTH BROME GRASS.—Circular No. 18, Division of Agrostology, Department of Agriculture, Washington, D. C. This grass is valuable alike for hay and pasturage. It has remarkable drought resisting qualities, and is the most suitable grass yet introduced for the dry regions of the West and Northwest.

SEED AND SOIL TREATMENT AND SPRAY CALENDAR FOR INSECT PESTS AND PLANT DISEASES; Bulletin 102, Ohio Experiment Station, Wooster, O.

HOME MIXING OF FERTILIZERS; Bulletin 100, same station.

BOOKS RECEIVED.

HOT-WATER HEATING, STEAM AND GAS FITTING. ACETYLENE, HOW Generated and Used. By James J. Lawler and George F. Hanchett. Publishers the Excelsior Publishing House, 8 Murray street, New York. A knowledge of the fundamental principles of heating, both by steam and hot water, fitting, etc., forms an essential part of the education of every greenhouse owner. In this work the authors present the subject in a popular style, divested of all scientific technicalities, thus enabling the average mechanic to familiarize himself with and put into actual practice the latest and best methods. A chapter is devoted to greenhouse or conservatory heating by hot-water circulation. The book is profusely illustrated, with serviceable diagrams, and contains 320 pages. Price $2.

Publishers' Announcement.

PRIZE PHOTOGRAPHIC COMPETITION.

The publishers of the FLORISTS' EXCHANGE offer special inducements in the endeavor to encourage the practice of the art of photography, as relating to their industry, among its readers, with the aim that this may lead to a more thorough understanding of what constitutes desirable photographs for reproduction, either in the trade press, catalogues, or for advertising purposes generally.

The competition herewith inaugurated will be open for the five months of **May, June, July, August and September**, and the awards will be made at the close of each month on the pictures submitted during that month.

The Prizes For that photograph which shall be adjudged the best received during the month of May, a prize of **$5.00 in cash** (or $6.00 in books, at winner's option) will be paid. For all other photographs received and retained, prizes of 50 cents and $1.00 each will be paid, according to their merit. In the competitions of June, July, August and Sept. similar awards will be made.

The Conditions The months named comprise the open or outdoor season, hence preference will be given to pictures of specimen Shade, Ornamental and Flowering Trees and Shrubs, Climbing Vines, Hardy Herbaceous Plants, and outdoor planting generally. Other factors being equal, sharpness of finish and clearness of detail will decide the order of merit.

Size of pictures submitted should be not less than 4x5; smaller sizes, however, will not be barred. This competition is open to every subscriber to the FLORISTS' EXCHANGE in good standing, and all photographs submitted must be of their own unassisted taking; the mechanical portion, however, may be done by professionals.

Competitors must indorse name and full particulars as to size, locality, etc. of subject and date taken, on the back of all photographs, and these must be most carefully packed so as to avoid cracking or breakage in the mail.

The FLORISTS' EXCHANGE to reserve all rights to all such photographs as the publishers may award prizes to; others will be returned if accompanied by sufficient stamps to pay postage. Photos may be taken wherever a subject presents itself.

The publishers also reserve the right to withhold the first prize should none of the subjects offered be deemed worthy thereof. Address all communications,

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Easter Prospects.

That the supply of plants and flowrse for Easter for the New York market will be ample for all demand there is no doubt. Cut lilies might fall a little short, at least there will be considerably fewer than growers in this neighborhood intended, for out of all the Bermuda bulbs planted at the least calculation 40 per cent. have failed to produce flowers. Whether lilies will actually be scarce or not in this city is hard to determine, as our Connecticut friends have got such a habit of sending in a few carloads just previous to Easter, and we do not know how many they have in store this year.

Next to lilies Crimson Rambler roses are the most important, and we do not believe there has ever been a year when these were so plentiful or in such fine condition as they are this year. Of all the forms they are trained to none is so beautiful as those allowed to grow in bush form, and that growers have already realized this is apparent by the great number grown in this way. Hybrid roses, also, are plentiful. The leading varieties grown are Brunner, Rothschild and Magna Charta. These can always be depended upon, both for coming in when wanted and for satisfactory colors for Easter time.

Hydrangeas are probably not so plentiful as last year, but spiræas are more so. Azaleas of some varieties have been hard to hold back (especially the larger specimens), and the supply in for Easter will probably be early disposed of.

Dutch hyacinths are much below the average in quality, and will no doubt have to be sold cheaper than is usual to clear out. Ericas are getting more popular all the time with plant buyers, and those having stock in good condition will find no trouble in disposing of it.

Wistaria is not being forced much this year; but of lilac, bottle brush, acacias and genistas there will be plenty on hand.

Among Growers.

C. Woerner, grower and manager for Mrs. P. B. Meissner, Clarkson street, Flatbush, has the greenhouses filled to overflowing with a lot of seasonable stock. Pans of Boston fern are to be seen in quantity, as also is a lot of well furnished fern balls. In flowering plants there is a fine collection of rhododendrons, azaleas, genistas and spiræas that will be at their best for Easter time. A house of h. p. roses is in good shape; every plant is nicely budded, and they are a clean, well-grown lot. Longiflorum lilies are also in good condition; Bermuda grown bulbs of the same, however, have proved very unsatisfactory, 50 per cent. of them being no good. Pandanus utilis and Dracæna indivisa are grown in large quantities here; of the latter there is an excellent batch of two-year-old stock that is of extraordinary size and vigor. Kentias and arecas are also seen in numbers, and as the majority are from seed sown on the place they are to be had in all stages of growth. Some of this home-grown stock that has already become large enough for decorative purposes is, through being grown cool, particularly stocky and well furnished.

Chas. Zeller & Son, as usual, have a choice line of flowering plants that will be eagerly sought after by Easter buyers. Genistas in different sizes are particularly good, being a mass of yellow buds. Acacia paradoxa is in the same splendid condition, medium-sized plants especially showing elegance in form and freedom in blooming. The hydrangeas are coming along in a cool house, and will be just right when wanted; no signs of undue forcing are displayed, short-jointed plants, stocky, with leaves clear to the rim of the pot, and every plant showing from seven to ten cymes of bloom. The stock of ericas is rather limited, but they are good-sized plants and a sheet of bloom. There are about a thousand pots of Japan longiflorum lilies, and we are safe in saying every plant will be in flower at Easter time. A batch of the new spiræa, S. superba, is well filled with flower heads; this variety is much more expensive than the old one, but the extra size and quality of the flower will create a demand for it when once seen. Azaleas are in various sizes, and the varieties are of the best. A bench of Lemoine's new deutzia is also going to be about right, and is fine as a white plant for basket work. Of bulbous stock there is a grand collection. Special attention has been given to the potting of the bulbs in pots of three or six bulbs together, this mode having proved to be the most in favor among Easter buyers. Besides the excellent stock of palms, etc., there is a bench of pot-grown carnations in full flower and bud, among them being such kinds as Mrs. G. M. Bradt, Mrs Frances Joost, Cerise Queen and others.

Anton Schultheis, College Point, N. Y., has his houses replete with choice Easter plants. Here we find the Crimson Rambler and h. p. roses done as near to perfection as possible. The Ramblers are grown to many different forms, but all are alike well filled with flower buds. Some are in natural bush form, others trained to the shape of baskets, fans, wreaths, etc. The Rothschild, Brunner and moss roses, in boxes, are exceptionally thrifty and full of buds. Ericas are in several varieties and all are in fine condition. E. Cavendishiana, with its bright yellow blossoms, is in grand form; E. mediterranea, E. transluscens and E. melanthera are also all of them full of flowers, and are certainly among the very choicest of flowering plants. Genistas are on hand in several different sizes, and Acacia paradoxa is represented by a lot of splendid plants about 5 feet high. All are well filled with buds, and are of symmetrical form. The stock of azaleas, rhododendron and potted lilac is extremely large and in good order. There are also 5,000 Japan longiflorum lilies, clean and budded all right for Easter. Hydrangeas are mostly of the larger size, and many very fine specimens are to be seen among them. Spiræas and metrosideros (bottle brush) are also grown in quantity, besides which are thousands of lily of the valley, hyacinths, tulips and daffodils.

Mr. Schultheis has lately had his range of glass strung with wire and electric light supplied; this does away with the night men carrying kerosene lamps about, and is up-to-date. His recent appointment to the Board of School Commissioners was an honor unsought, but the Board is to be congratulated nevertheless.

John Scott, besides his Keap Street Greenhouses, at Brooklyn, has the three new ones, built in Flatbush last Summer, well stocked with desirable plants for Easter. At the Flatbush place the lilies and the hydrangeas are being grown. It is expected that about 10,000 blooms of the former will be cut. In the Keap Street houses there is a splendid lot of azaleas and rhododendrons—all nicely shaped plants and profusely budded. There is also an immense quantity of spiræas—the largest batch we have seen so far. The foreman, A. Kerschner, told us there were 5,000; and they will all be in bloom at Easter time. There is also a thousand pots of yellow and white marguerites in nice flower. Azalea ponticum is being forced extensively, also pans of daffodils and lily of the valley, the latter numbering 40,000 pips. A house full of genistas of a medium size is also looking especially fine.

C. E. Koch, Clarkson street, Flatbush, is making a specialty of geraniums for Easter; and his stock is in very fine condition. Dutch bulbs are grown extensively, but they have been brought along in batches; and the last of them will be gone before Easter arrives. A house full of potted marguerites is in fine shape, as also is another house filled with azaleas. Longiflorum lilies are coming in all right so is several benches of spiræas. Hydrangeas are not forced for Easter, but there is quite a stock of them grown for use later in the season.

H. C. Steinhoff, Hudson Boulevard, Jersey City, has several houses of pot roses that are in excellent condition. The majority of them are of the Crimson Rambler variety, and although several different modes of training have been employed, those allowed to take the regular bush form are thought by Mr. Steinhoff to make the finest looking plants. There are somewhat over 2,000 of the Rambler, and they range in size from 2½ to about 6 feet in height. They have all budded very freely, and a finer looking lot of roses would be very hard to find. About 15,000 pots of lilies will be ready for Easter, also a magnificent stock of hydrangeas; these are particularly good. After the flower buds were formed they were all given a shift into larger-sized pots. This method has proved to give

Galax Leaves
CHAS. H. RICKSECKER, Linville, N. C.

Mention the Florists' Exchange when writing.

the hydrangea such lasting qualities as are not to be obtained in any other way, and, when thus treated, the sudden wilting of the flowers when introduced into a dwelling never occurs. The hydrangea has become unpopular in some localities as an Easter plant, owing to its short-lived existence after leaving the greenhouse. As repotting after the flower heads are formed gives such beneficial results with the plants grown here the plan is certainly worth copying. There is also a choice collection of azaleas and rhododendrons, nearly all of which are of the medium size. Other years more of the larger specimens were grown, but this year it was thought better to keep to the medium sizes, as they are generally more satisfactory. Acacia paradoxa is well represented, and as also a repans of tulips and hyacinths. A new office, with conservatory attached, has been built, facing the Boulevard.

At Peter Henderson & Co.'s large establishment the stock of Easter flowering plants is something immense. A full line of everything is carried here, from the choicest decorative plant down to the humble lettuce plant. Azaleas are probably in the largest supply, that is of stock intended for Easter, but these must be going at a great rate, as in several houses we noticed cards tacked on the bench edge which read: "All the plants on this bench are sold." A little sign like that on the bench tells more about how business prospects are for Easter than a whole column of opinions.

NOTES BY THE WAY.

MINNEAPOLIS, MINN.—Jacob Hartmann reports highly satisfactory sales of blooming plants, the taste growing larger in this direction. L. L. May, at St. Paul, has a grand stock for Easter—clean, well-shaped hydrangeas, several thousands of Lilium Harrisii—one of the healthiest stocks I have seen! Jas. Sowden, the successful raiser of this high-class stock, tells me he places a 5x7 bulb in a 5-inch, a 7x9 in a 6-inch pot, partially covers with soil, places under sash kept well shaded and ventilated, and sees the bulbs are kept on the dry side. When roots have started and bulb commences to shoot he fills up the pot with soil and flowers the plant in the same pot. He has a less percentage of disease than usual. In case of inability to handel the bulbs on arrival they are unpacked and set in trays in moist sand. One house of hybrid roses in pots for Easter is very interesting, as are also houses of Jubilee, Flora Hill and Bradt carnations, each variety in a separate house. Mr. Sowden says they can grow Bradt as easily as Scott but cannot root it. Grafted roses will be grown almost exclusively for early cropping, although the stock of Bride, Bridesmaid and Meteor on own roots is, to use Mr. Sowden's own description, "Cracker Jacks." Mr. Dysinger tells me the mailing branch of this mammoth establishment has taxed them heavier than usual, notwithstanding the late severe weather. Mr. May wore a happy smile and hopes very shortly to open up a source in the Transvaal for Northern-grown seeds.

Chris. Hansen is troubled with the eel worm, and will grow grafted roses entirely to evade the ravages of that pest.

Henry Krinke has had exeellent returns from that fine three-quarter-span rose house he built last Fall. This Summer may see more like it. Miss Krinke, who has charge of the store, says the call for choice stock is very encouraging.

Hohn & Olsen report the biggest decorative business of any season. Special days' sales are a feature with them, but not at cut prices. At time of my visit (Saturday) they were bunching up 5,000 Marie Louise violets in bunches of 25 at 50c., and cleaned out in the day.

Otto Heiserkorn says he sold more shamrock than any previous St. Patrick's Day, and will increase the stock for another season.

An echo from the Carnation Convention was, "Did you see Palmer's houses of Daybreak and the seedling from that old favorite?" Those who did were well repaid for the visit to Lancaster, had they seen nothing else, but we had the pleasure of meeting the veteran grower, who is more at home among his Outcasts and Meteor roses than anywhere else. His aide, Barney Myers, is one of the few successful all-round growers, who can bring in a crop of roses and a flat of those famous La Reine tulips just when they are needed most. W. M.

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SEED TRADE REPORT

Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Chicago, Ill., President; ALBERT MCCULLOUGH, Cincinnati, First Vice-President; F. W. BOLOGNO, Washington, Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

New York.—Mr. H. Cheeseman is no longer connected with the Cox Seed Company.

Philadelphia, Pa.—H. G. Faust & Co. have again secured the contract for supplying Fairmount Park (2,740 acres) with grass seeds.

J. Blaauw, of Boskood, sailed per S. S. Rotterdam for this city, March 22. His address to May 10 next will be care of Mr. Schroeder, 45 William street.

Lawrence, Kan.—Fire broke out about 10 o'clock, March 22, on the second floor of Barteldes' seed store, and it was not controlled until the entire stock was badly damaged by fire and water. The loss is estimated to be about $20,000.

European Notes.

At last we appear to be in fairly smooth water once more, and things generally are going on as well as we could desire. The frosts have broken up the land in fine shape, and the Spring sowings are being made under very favorable conditions on all but the heavy low lying lands. If we get a genial and showery time when our radishes are being transplanted, we shall not be so far behind after all.

The injury to the plants of rutabaga caused by the severe frosts becomes more evident every day, and we have to face not only a limited acreage, but a prospect of a very small yield per acre. The plants appear to have become prematurely woody before sending out a vigorous shoot, and consequently they seem to be "stunned and stationary." Turnips, especially the extra early kinds, look very sickly just now, and there is every probability that the recent advance in prices will be fully maintained next season. Every year the legitimate seed grower has to meet the unfair competition of seed saved from chance crops that could not profitably be used for the purpose for which they were sown; but as sheep feed is scarce, and turnip tops are commanding a good price in the green market, there is every probability of a limited supply of the voluateer article next year.

The mid-March exhibit of the Royal Horticultural Society held during the present week has been fully equal to any of its predecessors. The most interesting exhibits to seedsmen were the magnificent cinerarias of James, and Sutton & Sons. Never has James' strain been seen in such perfection, in size of bloom, brilliancy of color or beauty of markings. In the case of one plant at least some new descriptive adjective is needed, for giant does not sufficiently express its proportions. The imposing displays of light blue and pink varieties, made by Sutton & Sons is a step in the right direction, for there is little doubt that florists and others would gladly purchase seed saved separately from good and distinct varieties. About 60 years ago it was the custom to name varieties in much the same fashion as sweet peas are named to-day, and now that a growing interest is being manifested in this beautiful and valuable decorative plant, it will be wise to revert once again to the old custom.

The writer often urged upon Mr. James, Sr., the desirability of adopting this course, but the old gentleman hardly thought the work would be appreciated. The son, who has not only fully maintained the grand quality of the strain, but also immensely improved it, may perhaps see things in a different light.

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A NOTABLE ILLUSTRATION IN THIS LINE IS THE

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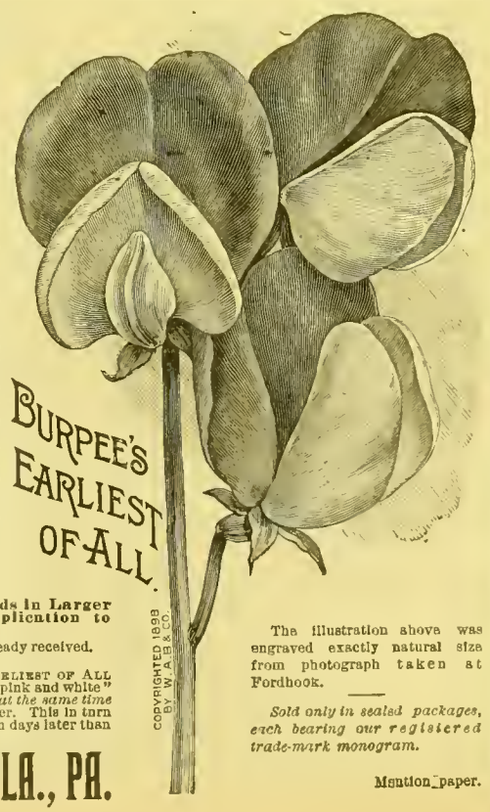
Notwithstanding their dwarf habit and neat, slender foliage, the plants are of vigorous growth and come into bloom **always ten days to two weeks in advance of the Extra Early Blanche Ferry,** which has been heretofore a week ahead of all other varieties. Growing only two feet in height, the plants do not require the support of brush or trellis. As an illustration of its extremely early-flowering habit, we would state that October 15th we had plants in fine bloom *from seed gathered from our spring planting* and sown during the latter part of August. A constant succession of bloom may be had from June until November by making sowings about one month apart. Its extremely early-flowering habit makes it most satisfactory for the Southern States, as it may be easily had in full bloom before the hot summer weather. The flowers are as large as those of the regular strains of *Blanche Ferry*, and have long, stout stems, making them entirely satisfactory for cutting; they are borne in close clusters of three, all facing one way. The standards are a bright, rich pink, while the wings are nearly pure white.

BURPEE'S "EARLIEST OF ALL" is not only the earliest to bloom in open ground, but is also *the most desirable for forcing under glass for winter cut flowers.* The dwarf habit of this variety renders it much more easily grown on the benches, admits of closer planting, and from seed sown during the latter part of August blooms may be cut during the holidays, while with the taller varieties no blooms could be had before February or March. **Per oz., 10c.; per ¼ lb., 30c.; per lb., $1.00.**



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☞ In writing for "Burpee's Blue List" ask also for **The Farm Annual,** if not already received.

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We recommend the planting of BURPEE'S EARLIEST OF ALL for first cutting. The season of these popular "pink and white" Sweet Peas can then be prolonged, by *planting at the same time* the EXTRA EARLY BLANCHE FERRY, which will come into bloom ten days to two weeks later. This in turn can be followed by the regular stock of BLANCHE FERRY, which will begin to bloom about ten days later than the EXTRA EARLY BLANCHE FERRY.

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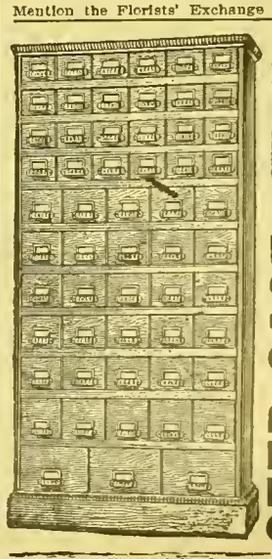

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ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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Our Competitions.

The attention of our readers is called to the following competitions inaugurated by the FLORISTS' EXCHANGE, and which we hope will receive cordial support from our subscribers:

A Chance for the Young Man: page 298 last week's issue.

Commercial Home Grounds Competition: page 336 present issue.

Prize Photographic Competition: page 341 present issue.

Our 1900 Spring Special.

The publishers of the FLORISTS' EXCHANGE have every reason to feel gratified with the patronage accorded this, their eleventh consecutive Spring Special, and that the advertisers, whose offerings are contained within its pages, will be able to feel equally pleased with the results which accrue to them from their enterprise, we have every reason to expect.

Quite evidently this time of year is always a good stocking-up season, while this year the evidences of unusual activity in the purchasing of plants and all other material necessary in a very diversified industry, is easily apparent; so much so, in fact, in some lines as to make it unnecessary for holders of certain stocks to advertise at all, they keeping closely sold up all the time.

For the benefit of those who have not given it a thought, or who may not fully realize the importance to the country at large of that industry of which they form a part, we wish to say that this 56-page and cover issue alone will consume nearly three tons of white paper in the printing of the 10,000 complete copies (full count) of the FLORISTS' EXCHANGE, which we promised in our announcements would be distributed.

There are comparatively few strictly trade journals that ever print as large an edition as this, or even as our regular issue of 7,000 copies, hence our florist, nursery and seed business can rightly be classed among the important industries of the day.

And our columns show that the business is still growing and developing. Even to our veterans in the trade, who have witnessed the marvelous developments of the past twenty years, a conception of the conditions which will exist at the close of another score of years, is well-nigh impossible.

The American Rose Society.

The success of the revivified American Rose Society is assured. Society has said so. The trade has demonstrated its interest in the great work that the association has undertaken. The private gardener is equally interested therein, and the public has testified by its presence, in unexpectedly large numbers, its appreciation of the grand exhibition staged by the society at the Eden Musée the past week. The daily press has taken up the cry of the unqualified success of the society's initial effort, and spread the good tidings to the uttermost ends of the earth—and the promoters of the society and its first display are jubilant and happy over the congratulations they are receiving on every side.

As was to be expected, there was very much of a sameness in the exhibits; but this is something that the passing years will remedy, as our hybridizers get to work in earnest and the results of their painstaking labors appear from year to year on the exhibition boards.

It was unfortunate, also, that the exhibition room was so small—a contingency, however, that could ill be guarded against in view of the uncertainty prevailing as to the number of exhibits to be expected up to a date close upon the opening of the show. This limited space marred somewhat the effect of a most magnificent exhibition of Winter-forcing roses.

A most gratifying fact in connection with the displays made was the large number of outside competitors—and what adds to the gratification, so far at least as they are concerned, is the excellent success which attended their efforts. Philadelphia, Toronto and western New York demonstrated to our local men the high quality of the stock that is grown in other sections of the country, in competition with which some of that displayed by our nearby growers had to take a back seat. This, however, is more of a stimulating than a depressing feature; and, too, exemplifies one very commendable influence that the shows of the Rose Society will exert in leading to greater effort on the part, both of the conquerors and the vanquished, thus advancing still further the high standard of excellence in the flower already reached.

One thing is needful, and that is, that the trade shall not relax the hold it has secured upon our leading society people in particular, and the rose-loving public in general, in connection with these rose shows. To that end every encouragement and support should be extended to the American Rose Society, in its membership and otherwise. Given such assistance, and who can measure the value to rose culture in the United States that will assuredly follow in its train?

The meeting of the society held Wednesday afternoon was fairly well attended. The proceedings showed that but little forethought or prior consideration had been given to some matters that seemed to be of considerable importance. It might be well, too, another year to have the annual meeting the first day, or evening of the exhibition, so as to insure a larger attendance, as many interested visitors return home after viewing the exhibits on the opening day.

The decision to hold next year's meeting and Spring exhibition in New York was not unanimously arrived at, several prominent members being opposed to it as likely to militate against general interest in the society. However, the gentlemen favoring such a course seemed to have a reasonable ground in support of their predilection; their desire being to first let the metropolis of the country see what can be done in the way of a rose show, with plenty of time provided for preparation for same—something that was lacking in the present instance—and thus lend prestige to the society's efforts along this line, as a commencement, furnishing also an emulative example for other cities. The selection of New York once more should not therefore be considered in any light other than as an act committed solely for the best welfare of the American Rose Society.

The righteous indignation of the president over the allegation of a Western trade paper, to the effect that the society was a mutual admiration one, run in the interests of Eastern rose growers only, was shared in by many, and his statement that growers in those sections, alleged to have been slighted as regards offices, etc., testify to their enthusiasm in the movement, both by tangible demonstration thereof and their presence at the meetings, met with general approval. If one cannot or will not help a good cause, honestly and earnestly fostered, it will display much better judgment and more common sense to remain silent regarding its workings, especially when nothing better than groundless sneers is the full extent of critical efforts.

With all due respect to the wisdom of the society, and the efficiency of its president-elect, we believe it would have been much better to have chosen a president from outside the ranks of the trade proper. The association's prestige, so far, has been built upon the eclât lent to its work by "society," the support of which class is most essential to the well-being of the association. With an influential society person at the head of the Rose Society, that desirable and desired interest by the better class is more likely to be secured and retained, besides affording proper recognition of the amateur's claims. This need not impair the energy and internal working of the society, provided "workers" constitute the executive, and it often yields an immense power for good. We believe that would be the case in this instance, and that the creation of honorary vice-presidents will not fully meet the requirements.

After 1901, the Trade or leading Show, each year, where you will, but a Rose Show for the people, each year, in every prominent center, under the auspices of the National Society if possible; if not, then to be undertaken by the trade clubs or local societies, is what the trade must work for.

The Portrait in Advertising.

In a recent issue of *Agricultural Advertising* Messrs. Johnson & Stokes, seedsmen, Philadelphia, touch on a phase of poultry advertising, which that journal characterizes as "at least interesting, if inexplicable." The firm in question says:

"In this connection there is a psychological study that we would like to have you investigate as to why it is when a man goes into the poultry business it seems to become his ambition to have his own photograph put on all his letter heads and bill heads and advertising, and in the poultry papers and everywhere else that he seems able to get it. We do not think it adds any dignity to the business, and would like to see it frowned upon."

The practice spoken of by Messrs. Johnson & Stokes is not confined to the poultry industry, but is prevalent in many others, including our own. It would be somewhat difficult, though, for us to indorse the statement that, by the appearance of a man's portrait either on his letter head or in his advertisement, the business in which he is engaged is shorn of any of its dignity. There is many a man who is an "ornament to his profession," personally, and why may not his counterfeit presentment add a similar lustre thereto?

It may be, too, that the use of one's portrait in that way has some advantages, when viewed from a business standpoint. Next to a man's financial standing and business dealings those who barter with him are anxious to know what manner of man he is, especially on a first venture, and to readers of character the portrait should prove of immense service in this connection, although we are told that "appearances are often deceptive," even though "the camera never lies."

Sometimes we hear it remarked that there is an element of vanity in the make-up of those who employ their portraits, in the manner which has called forth the protest from our friends. Well, granted the correctness of the presumption, such an inheritance is perfectly harmless; in fact, it is more often than not a blessing and a necessary requisite that a man should think something of himself. Why, then, should he not give ocular demonstration that he does?

No, we cannot see that the use of a man's portrait, either on his stationery or in his advts., is an evil; it is simply his way of showing that he is willing to "face the world," and to others it is, or should be, entirely innocuous. Some authors of books are guilty of the same innocent transgression; but why condemn them, or adjudge them as detracting from the dignity of their profession, so long as their work is satisfactory, and they are giving vent to a natural impulse, which harms no one?

There are occasions, however, when a portrait is "like a bull in a china shop." We refer to the unforgivable habit of parties obtruding their "physogs" in pictures of interiors of greenhouses, or of individual plant specimens, often thus destroying the effect sought, which is to show the object, the photograph of which is desired, to the best advantage. That is a practice we cannot too strongly condemn and should like to see abolished—as being unnecessary and uncalled for.

ADVERTISING CORRECTIONS

Received After Early Forms Had Gone to Press.

John F. Rupp, page 320, change price of heliotropes from $2.50 to $3.00 per 100.

George Reinberg, page 322, for changes in prices of rose plants in pots, see special advertisement, page 363.

Godfrey Aschmann, page 318, omit Chinese primroses; also omit "No lilies sold by themselves, etc.;" for additional items, see special advertisement, page 365.

Whitton & Son, page 318, omit genistas; for change in azaleas, see special advertisement, page 364.

S. J. Bunting, page 318, change lilies to read 3 to 8 flowers.

Wm. Stuppe, page 339, for changes, see special advertisement, page 365.

Philadelphia.

Market News.

The condition of the cut flower market is very good for this season of the year. Most stock is nearly sold out every day, and prices keep up well. The demand has been satisfactory and the supply not very heavy. Carnations in all colors, except yellow, have been scarce on several days; and flowers of good quality sell very quickly, prices ranging from $1.50 to $4. Bulbous stock is selling fairly well. Violets are not, and are piling up, finally going to the street men.

Retail stores have all had a good week; transient trade has been fairly brisk, and many stores have been busy with large funeral orders.

Jottings.

Rupert Kieule has rented the store at 30 South 17th street, now occupied by Alfred Hong, who will move shortly around the corner to Chestnut street.

Bayersdorfer & Co. report large demands for Easter baskets; from present indications the handle basket and hampers with pans inside for plants will be more largely used this year than ever before.

Easter Stock.

The growers in this vicinity, as usual, have a grand lot of plants for the Easter trade. All the stock is in splendid condition. Many growers have been disappointed with lilies, there being a lot of poor plants around, and, strange to say, the bulbs sold with guarantee are the worst! Even the best batches of lilies do not come true to name, there being many varieties, or rather seedlings, among them. This is seen in the Harrisii to a great extent. From present indications many growers will go shy on Harrisii next year, it being out of the question to rely upon bulbs being free from disease and true to name.

Few new things are seen. There are some new azaleas being tried, but as yet they are not sufficiently advanced to pass an opinion upon.

Robert Craig & Son have a very fine display of plants all about right as to time. They have 8,000 azaleas in various sizes, principally of the older varieties. Spiræas are unusually good this year—compacta and floribunda are mostly grown. Some are in 16-inch pans, 8 or 10 clumps to a pan, and make grand specimens done in this way. Hydrangeas are also a feature on this place; most of the stock grown is Monstrosa, with a few Thos. Hogg. There are about 1,500 plants in from 6 to 10-inch pots. Crimson Rambler roses are, as usual, grown largely, and this year are done well, foliage being good and plants well flowered. There are about 800 plants in from 8 to 12-inch pots. The lilies are looking well and are of good salable sizes; there are, in all, about 7,000 plants, mostly longiflorum. About the only new things seen here are some ericas in 4-inch pots, which will sell well for basket work. Bulbous stock is in large quantities, and taken altogether the place is worthy of a visit next week, when everything will be in full bloom.

Wm. K. Harris has a grand lot of Easter stock. Bougainvillea is a specialty here, and is done well, some fine specimen plants being seen. A bench of lilacs are also good, well set with flower. He has a nice lot of the large specimen plants of Crimson Rambler, 6 to 8 feet in height, and well flowered. Spiræa Anthony Waterer is being grown this year and promises well. Deutzia gracilis is seen in quantity here, the plants being lifted and potted in the Fall. Valley, in 6-inch pans, is done well and finds ready sale. A large quantity of hydrangeas are grown, mostly Otaksa. These all promise well, being set with large heads of flower.

J. W. Colflesh has a general stock of Easter plants. Spiræas and lilies are in good shape. Here we saw a grand lot of cinerarias, colors good, and many flowers being 3 inches across. Mignonette in 3 and 4-inch pots is a feature for Easter, and always finds ready sale.

George Anderson is known as a rose grower, but he always grows a few lilies and hydrangeas for Easter. His stock of longiflorum is very good, plants being hardy and well budded.

Begonia Gloire de Lorraine has been tested and found to be as good for Easter as for Christmas. Edwin Lonsdale had a grand plant at the Spring show last week, and Robert Craig has several plants that were not sold in the stores at Christmas. These were cut back, for a test, and are now one mass of bloom.

Success in New York.

The rose growers of this vicinity, and in fact all others in the trade, are delighted at the success of Philadelphia roses in New York the past week. We go along quietly, but get there with both feet. The boys were looking for Wm. Scott, but found he was not on hand; anyhow that "Quick and the Dead" story is no good any more. Some of the New York growers were hard to find after the awards were announced, and one tried to walk through a mirror. The only regret is that the prizes were not silver cups, then we could have placed them in our show case for a lasting remembrance of the occasion.

DAVID ROST.

CATALOGUES RECEIVED.

HARKETT'S FLORAL NURSERY, Dubuque, Ia.—Illustrated Catalogue of Plants, Bulbs, Seeds, etc.

JOHN PEED & SON, West Norwood, London, Eng.—List of Cannas, Carnations, Dahlias, etc.

A. TILTON & SON, Cleveland, O.—Annual Illustrated Catalogue of Seeds, etc. Very complete.

WALTER A. POTTER & Co., Providence, R. I.—Illustrated catalogue of Seeds, Bulbs, Plants, Implements, Tools, etc.

P. S. PETERSON & SON, Chicago.—Catalogue of Nursery Stock; American Elms a specialty. Profusely illustrated with half-tone engravings.

R. WITTERSTAETTER, Station F, Cincinnati, O.—Wholesale Price List of Carnations, Novelties and Standard Varieties.

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Annual Meeting of American Rose Society.

The annual meeting of the society took place in the Fifth Avenue Hotel on Wednesday afternoon, President Benjamin Dorrance in the chair. Among those also present were Treasurer John N. May, Secretary L. Barron, Assistant-Secretary A. Herrington, and Messrs. Siebrecht, Butterbach, De La Mare, Withers, Dillon, Welch, Robert and W. P. Craig, F. Mathison, Peter Crowe, Edwin Lonsdale, G. Fancourt, S. J. Reuter, P. M. Pierson, E. G. Asmus, Hentz, Moore, J. L. Powell, Jos. Heacock, R. J. Halliday, L. M. Noe, J. H. Taylor, J. H. Dunlop, Harry Dale, Dr. Halsted, S. J. Betts and others, with a sprinkling of ladies.

The president made a neat address, reviewing the work of the society up to date, and touching on the great evolution going on in rose culture. "Who can look back over even the short space of 30 years and not feel a pardonable pride in the advancement made—from Bon Silene to American Beauty, from Safrano to Golden Gate, from Souvenir d' un Ami to Bridesmaid, are leaps that only giants make—and the end is not yet." He complimented the good work done by the Executive Committee, and closed by wishing further success to the rose.

The report of Secretary Leonard Barron showed that the membership now embraced 35 life members and 169 active ones, a total of 204. The first bulletin of the society had been issued.

The treasurer's report showed a very healthy condition.

A committee, consisting of Messrs. Withers, May and Craig, was appointed to get up a form of certificate for life membership.

SELECTION OF PLACE OF MEETING.

An invitation was extended to the society by the Central New York Horticultural Society through its president, Mr. S. T. Betts, also from the Chamber of Commerce and the Mayor of Syracuse, asking the society to hold its next annual meeting and Spring show in Syracuse, N. Y. The invitation was fully deliberated upon; but it seemed to be the consensus of opinion that New York should be selected as the next meeting place, in order that a still more satisfactory exhibition be presented, more particularly in the hybrid perpetual classes, which, on the present occasion, were not in the numbers desired, or capable of being shown. There was a very strong feeling prevalent that the society should go further afield next year, and thus possibly create a more widespread interest in its work; but a vote on the subject resulted in the selection of

New York City for 1901.

In the course of an able plea on behalf of the metropolitan city, Robert Craig incidentally remarked that he had heard the wish expressed by several ladies that the Waldorf-Astoria Hotel would be a fitting place to hold the next show, a comment which drew forth the expression that such palatial quarters were none too good for a display of the "Queen of Flowers."

A vote of thanks was passed to Syracuse for what the chairman characterized as "the only invitation the society has had."

The Executive Committee was instructed to select three delegates to discuss subjects pertaining to the rose at the forthcoming convention of the S. A. F. in New York in August next.

ASSOCIATE MEMBERSHIP ONLY FOR AMATEURS.

On motion of Mr. May the associate membership was restricted to amateurs only, commercial greenhouse men and their employes, and private gardeners and their assistants not being eligible in this class. This ruling will take effect a year from now.

The election of a Board of Trustees for the investment of the permanent fund of the society was deferred till the next annual meeting, as also was the appointment of honorary vice-presidents.

ELECTION.

The election of officers resulted as follows: President, Benj. Dorrance, Dorranceton, Pa. (re-elected); vice-president, John H. Taylor, Bayside, N. Y.; secretary, Leonard Barron, 136 Liberty street, New York (re-elected); treasurer, John N. May, Summit, N. J. (re-elected), and two members of Executive Committee, Messrs. H. A. Siebrecht and N. Butterbach, also re-elected.

President Dorrance made a short speech thanking the members for their renewed confidence, adding "it makes no difference what officers you elect, or how much money you have, if the members of the Society do not back you up with work, the Society cannot succeed."

Dr. Halsted then read his paper on "Some Diseases of the Rose," which appears elsewhere in this issue, and after which the meeting adjourned.

Toronto.

Trade News.

Business continues fairly good, with plenty of cut stock coming in. There is a little scarcity of fine, salable plants, but I fancy plenty will be along by Easter.

The prospects for Easter trade are very good. Bulbous stock is likely to be plentiful; lilies will be in fair supply, but not so abundant as to be cheap. Most of the plants around are stocky, healthy and well grown. Azaleas will be a little short, owing to the lateness of the season. Roses will be in good supply, and carnations somewhat scarce. Nice ferns are not plentiful, but I think there will be enough to go round. Good salable palms are a little scarce. Valley will be good and plentiful; smilax and adiantum, cut, rather short.

A Visit to Brampton.

Harry Dale's fine place at Brampton is now in splendid order, roses being especially good. This establishment grows at such a rate that an ordinary florist wonders where all the stock goes to. Mr. Dale is building several large houses this season.

The writer was at Brampton last week and met S. S. Bain, of Montreal, looking for pointers on building. I must say that I think there is no place in this country where the inquiring grower will meet with more courtesy, when looking for information, than at Harry Dale's. A walk through his structures is a treat to any observing florist. Mr. Dale has a fine stock of nearly all the new carnations and standard varieties of roses. He has thousands of the latter grafted on the manetti doing well; also a splendid stock of Farquhar and Princess of Wales violet. He has, just now, the finest sweet peas I have ever seen under glass.

Mr. Fendley has several very fine houses of carnations and violets.

Association Meeting.

The March meeting of the Gardeners and Florists' Association was a fairly good one. It was decided to send certificates to the owners of the new carnations exhibited here, as recommended by the judges. A short paper was read by George Mills on heating that brought out considerable discussion. The writer also read a short paper on violets. Mr. Bain, of Montreal, attended and took part in the discussions. T. M.

Montreal.

Trade Notes.

The most notable feature of the past week has been the great scarcity of shamrocks. One of our leading dailies bought, for giving away on St. Patrick's Day as souvenirs, all local as well as all available supplies in eastern Canada; also importing several thousand small plants in pots from the United States. The price paid here for average stock was $20 per 100, the result being that very few of the stores secured sufficient supplies; and as the demand was general, irrespective of nationality, other greens, such as smilax, had to be substituted.

Until the last couple of days the weather has been of the most discouraging description—more like December than March. Even with a continuation of mild and bright weather a considerable time must elapse before the immense quantities of snow can melt away. A very late Spring is a certainty.

Funeral work continuing fairly plentiful has helped to make up for the small call in other lines. Flowers of all descriptions, with the possible exception of good carnations, are sufficient for every demand. First-class Beauty bring 75c. each, while $2 per dozen is about the top price for extra teas. Carnations run through all grades, from 30c. per dozen to $1 for a few special Jubilee grown by a local firm. There is a scarcity of good flowering plants at present, and this is likely to be felt with increasing effect until after Easter. The quantity of lilies that will be available is at present in doubt, and will largely depend on weather conditions. Other seasonable plants are reported at about the average. No novelties are seen in the store so far, but one or two are promised.

Notes.

Bertie Graves and family have returned from their trip to the Pacific Coast. Mr. Graves is delighted with climatic advantage of that section of the country, but considers the business opportunities are decidedly scarce.

Mr. Bain has just returned from a Western trip, taken to secure pointers for the reconstruction of his establishment. While in Toronto he was fortunate in being present at a meeting of the Florists' Club of that city. He was much impressed by the energy and enterprise that characterized the proceedings, as well as the good fellowship prevailing among the members.

A few plants of Lilium longiflorum albo-marginata are being grown by Jos. Bennett this year. It is a decidedly pretty plant; is dwarfer and seems to be quite as floriferous as the green variety. B.

OBITUARY.

Thomas Pattison.

Thomas Pattison, florist, of West Haven, Conn., died March 20. He had been ill for some months with the grip, which developed into pneumonia.

Joseph A. Lewis.

Joseph A. Lewis died at his home at Willimantic, Conn., March 18. He was born at Lebanon, January 5, 1829, and when 15 years old entered the employ of a Rhode Island nursery concern. Subsequently he went to Willimantic, where he engaged in the nursery and vegetable business. He was a prominent leader in the Prohibition party of his state. A widow and three children survive him.

William B. McCrea.

William B. McCrea died at his home in Altoona, Pa., last week, of kidney trouble. Deceased was a son of William B. McCrea, Sr., of Pittsburg, and was assistant to A. Wohlert, florist, Altoona, at time of his death, having previously been in the employ of several Pittsburg florists. He leaves a young widow, to whom he had been married but five weeks. The funeral was held Thursday, March 29.

Thomas Goode.

Thomas Goode, brother of John Goode, formerly a noted florist of Chicago, now in Florida, died at his home in Chicago, March 25, aged 84 years. He came from Ponder's End, near London, in 1845, and carried on gardening work until 1851, when he purchased a considerable tract of land and began market gardening. In this he was very successful for many years, which, together with his land, rendered him quite wealthy when he retired. In his young days he was a hard-working man and highly respected by all who knew him.

He leaves a widow, two sons and two daughters.

John Boetcher.

John Boetcher, superintendent of Oakwood Cemetery here for many years, died March 12. Mr. Boetcher was born in the province of Brandenburg, Germany, March 11, 1841. His father was a prominent gardener, and Mr. Boetcher became at an early age thoroughly acquainted with that vocation. In 1865 he emigrated to America and settled at Cincinnati, Ohio, where he perfected his knowledge of landscape gardening and all branches of cemetery work under Adolph Strauch, late superintendent and landscape gardener of Spring Grove Cemetery. In 1871 Mr. Boetcher came to Troy, N. Y., and assumed the duties of superintendent of Oakwood Cemetery.

The deceased was prominent in local German organizations and in the Masonic fraternity. Besides his widow, two sons and a daughter survive him.

FIRES.

WOBURN, MASS.—The greenhouse of Mr. Richwagen was partly destroyed by fire March 23. Damage $500.

HINTS and HELPS.

Rose seeds secured as a result of hybridizing, which were put between layers of damp sand in seed pans and sunk in the open ground, should be examined shortly, for as soon as the ground is in a favorable condition germinating is likely to begin, even although the seeds are moderately deep in the ground. Those germinating in this position are, of course, useless unless carefully dealt with. The seeds, or rather the vessels containing them, should be washed clear of the decaying matter which surrounds them, and sown without being too long exposed to the drying influences of the atmosphere.

Planting shrubs.—The best time to plant is when the shrub is in a dormant condition, and when the soil will allow of it. When the soil is frozen it cannot be done, and when wet it should not be done. In transplanting shrubs the fibrous feeding roots should be saved as much as possible, but considerable loss will be sustained in this respect, and the top part of the shrub must be treated accordingly. No matter in what season it is planted the bush must be pruned back, and in some cases severely. Nothing will sicken a shrub quicker than having more branches than the roots are able to support for the time being.

Pruning.—To be able to prune a shrub the operator must know it and all about it—when it blooms, on young or old wood, and so forth; generally speaking the best time is after the shrub is done blooming. Take for an instance the philadelphus: It blooms at a time when the plant is in active growth, making the wood for next season's flowering after blooming. The flowering wood is of little use to the plant, and by removing it light and air are admitted to the developing growth. Late bloomers may be pruned in Spring before the growth commences. A plant of this nature is Hydrangea paniculata. Early bloomers should not be touched in the Spring because of the danger in depriving the plant of its flowering wood. Such plants are represented by the forsythias, viburnums and shrubby loniceras; all of these, however, and others of their class, should be shaped, not sheared, after the blooms have gone. Roses may be gone over twice a year after blooming. If there be a profusion of young wood, part of the old material may be dispensed with; this will strengthen what is left, and in Spring the previous Summer's growth should be shortened so as to throw strength into the lateral growths on which the flowers are produced.

Anthericums.—The old flowering stems which showed small growths, and which were laid flat on damp sand as directed some time ago, will now be rooted and ready for 3-inch pots.

Hydrangea cuttings.—The end growths of Hydrangea quercifolia which were put in last Fall with foliage attached should now be ready for potting off. Put in light, sandy soil and keep close for a few days. They should occupy a position in a cold frame before starting into growth.

Cannas.—The principal batch should be started by this time. Shake off all the old soil from the rhizomes; trim off the decayed parts; cut in suitable sizes; prepare shallow boxes by putting about a couple of inches of sand and moss in the bottoms; put the pieces rather thickly together on top of this; cover them with a similar mixture, and water sparingly. In a short time they will be ready for pots. The smallest pieces should go into not less than 4-inch; 5-inch is a good size pot to plant from. Boxing the rhizomes will be found a convenient method of conveying them to and from the potting shed.

Herbaceous pæonies, especially those planted last season, will be benefited by a heavy mulch at this time, when the roots will soon be most in need of the ingredients which are washed into the soil by heavy rains; and, later, it will keep the surface soil moist and cool. Herbaceous phloxes may be treated in the same way.

German irises, which have grown into very large clumps, may safely be divided at this season, unless for increasing desirable varieties to the utmost, the clumps should be divided into smaller ones, 6 or 8 inches across. This will interfere very little with their blooming the coming season. The ground should

BRIEFS FOR BUSY FLORISTS.

CANNAS that were placed on the benches to start into growth will by this time have made sufficient headway to be potted up. A 5-inch pot is the best size to use for this purpose, and any ordinary soil will suit the plants. It is better to get them into the pots before much growth has been made, for when they once start to grow on the bench roots are made very rapidly and would soon be so large that it would be impossible to get them into the pots without mutilation.

CALADIUM ESCULENTUM is also starting well and has to be potted up before many roots are made. These, if convenient, should be given a somewhat warmer house than the cannas. We want to have them as effective as possible by the time when they are required for use outdoors.

VERBENAS from the earliest sown lot should now be got into 3-inch pots, especially if a large stock is needed, and all the cuttings possible taken from them. In potting up these it will be found advantageous to give them just as rich a soil as is obtainable. Generous treatment along this line makes a great difference with verbenas, more so perhaps than with any other of our common flowering plants; and if good stock and plenty of it is desired, do not think that any old soil is good enough to grow them in.

WHERE HOTBEDS can be made and frames used the greenhouse can be relieved of a quantity of plants, such as alternanthera, iresine, or achyranthes, acalypha, centaureas, pyrethrum, etc. Just at this season every foot of bench room has to be utilized, and the more use we make of our hotbeds and frames the less crowding together on the benches is required.

LILIES—Owing to the large percentage of disease among the Bermuda lilies there will no doubt be a shortage of these flowers for Easter in many localities, and other things will have to be substituted. High handled baskets with zinc linings can be used probably to greater advantage than any other form of basket. These, when filled with low growing plants and a spray of green over the handle, have always proved among the best sellers. Any kind of Spring plants is suitable, and a mixed collection is not at all objectionable. Violets, pansies, hyacinths, tulips and daffodils can all be used, and when nicely put together, one of these baskets makes as pretty an Easter piece as can be devised.

Port Chester, N. Y.

The chief attraction at the meeting of the Westchester County Gardeners' Association, Saturday, March 24, was the excellent exhibition of roses and violets. James Patience, gardener to Mr. W. Hoyt, Stamford, Conn., was awarded the three first prizes for Beauty, Bridesmaid and Bride. These were probably the finest roses of their class ever seen here. They were all from budded stock, in which Mr. Patience is a firm believer. Other exhibitors of roses were John Shore, William Anderson and Robert Williamson.

James Wilson was first for double violets and Wm. Anderson first for single. Robert Allan exhibited some excellent tomatoes—Sutton's Best of All.

JOHN W. DUNCAN.

Buffalo.

Some of the store men are inclined to complain a bit, others call business good. Decorating for Spring openings recently created some fair orders.

Flowers seem not so plentiful as usual at this date. Carnations are not in over supply at all just now. Roses and violets, however, are amply plentiful.

S. A. Anderson is improving his window by laying a tile floor in the same.

John R. Frotheringham, representing F. R. Pierson Co., Tarrytown, was in town Friday of last week.

Wm. H. Long, of Boston, visited D. B. Long on Monday.

F. W. Taylor, Director of Horticulture of the Pan-American Exposition, will deliver a lecture on "Real Russia" before a local church audience on Tuesday next.

VIDI.

Boston.

The Market.

Business held up very well this week and there was a good, lively demand for most kinds of stock. Good roses now are in plentiful supply. American Beauty are coming in of fine quality, but do not move very fast, as the supply of Brunner is increasing. They realize about the same figures as last quoted. Brunner, too, average about the same prices as American Beauty for corresponding grades, though a few specials are held at $3.50 and $4 a dozen; but these are of exceptionally fine quality. Jacqueminot are still scarce.

There is a noticeable decrease in the quantity of fine carnations arriving, with a marked scarcity of good white kinds, and a good return in price. Finer grades easily fetch $3 per 100, while extra Daybreak, Bradt, Eldorado and such choice varieties make $4.

Bulbous stock is greatly in excess of the demand, especially daffodils, Trumpets and other varieties of narcissus. Tulips and hyacinths, though plentiful enough to supply the call, are not in oversupply. Lilies are becoming more plentiful, but prices still hold up to $2 for best stock. Valley is very abundant.

Jottings.

George A. Sutherland is receiving some very fine Brunner roses. Welch Bros. are to have a fine lot of Easter lilies this season, as well as some choice spiræas. The general quality of all the other Easter stock which this firm will handle, promises to be exceptionally good this year.

Thomas Roland, of Nahant, has worked up a large lot of home-grown stock of Begonia Gloire de Lorraine which he is to put on the market, to be delivered about the first of June.

Lieut. E. N. Peirce, of E. N. Peirce & Sons, Waltham, was present Tuesday, March 13, with a handsome gold Waltham watch suitably engraved, and a pretty chain.

Easter Prospects.

At William W. Edgar's place, at Waverly, a fine lot of Easter stock was seen. Mr. Edgar is around again after quite a severe siege of the grip. His lilies are an exceptionally clean and healthy lot. Acacia armata is finely flowered, the plants being well shaped. Genistas, too, are finely grown here. Azaleas and rhododendrons are also very good, especially the specimen plants. An excellent lot of spiræa, mostly floribunda, is coming along, and much of it is being cut daily. Hydrangeas, mostly fairly good-sized plants, and all pink, are in fine condition. Mr. Edgar has about 4,000 small hydrangeas already potted. The houses of ferns are in good shape. Adiantum tenerum is quite extensively grown and found quite profitable. Great attention is being given to the growing of about 35,000 or 40,000 small ferns for ferneries. A very fine selection has been made of the hardy and best adapted varieties for this use. The capacity for carnations is to be about doubled for next year. A pink seedling of Mr. Edgar's, of good form, fine stem and dark pink color, is to be grown almost entirely for a pink, and three white ones —seedling No. 1, No. 2 and Ladysmith—are to be put in. All are showing great promise.

We found E. N. Peirce & Sons, at Waltham, celebrating the birth of a son to Allan Peirce, which occurred on Sunday, March 25. At this establishment Easter stock is grown in huge quantities, principally lilies, azaleas and spiræas. Twenty-two thousand lily bulbs were started this year, and it is expected, and certainly appears, that by Easter every one will have flowered and have been disposed of. The quality of the stock is above criticism. About 1,500 azaleas were grown this year, many of which were brought in at Christmas and since; but there is still a quantity to be flowered for Easter. The plants are mostly of the smaller sizes. Only about 400 pots of spiræa will be forced for Easter. As soon as the Easter stock is cleaned out it will be followed by spiræa and other stock for Decoration Day, May 30. The two houses—each 200 feet—of Boston Market mignonette are in excellent condition, and give promise of an extra cut for Easter. Carnations are also grown to some extent—Scott, Joost, New York, Melba, Maceo, White Cloud, Young, Bradt, Freedom and Crane being some of the varieties. Freedom is here considered the money maker, having been in excellent crop all Winter, and even now the beds are covered with blooms and buds. Ethel Crocker and The Marquis are to be put in next Fall.

Anderson & Williams, at Clematis Brook, have a fine house of Crimson Rambler, all two-year-old plants. The plants this year seem a great deal stronger than formerly, and have many more flowering shoots. The houses of Bride and Bridesmaid are in first-rate condition, and give promise of a very good cut for the Easter trade. A new house is to be erected in which quite a batch of Liberty will be grown, the young plants having arrived this week.

At E. S. Whitten's, in Dorchester, Lawrence Cotter has one of the finest lots of lilies ever grown at this place. There were 5,700 grown, and nearly all will be marketed before April 15. The Crimson Ramblers are done again in fine shape, most of the plants being one-year-old and trained in pyramidal shape. Mr. Cotter had about 700 plants. A few pink and white Ramblers were tried, but with only fair success. The Yellow Rambler, of which about three dozen plants were grown, responded well to Mr. Cotter's treatment. He had them well flowered, and good shaped bushes; but the bloom is of a rather poor color to be much of a favorite. A very fine lot of moss roses were grown this year, also spiræa. The houses of Bride, Bridesmaid and Beauty give promise of a good cut for the holiday.

At William H. Elliott's establishment, at Brighton, the houses of asparagus are in first-class shape. Mr. Elliott is prepared to ship fine, full strings of almost any practical length, for the Easter trade. The rose houses of Bride, Bridesmaid and Meteor are in splendid condition, and yielding a good crop. The house of Jacqueminot, which will be in prime shape by the fifteenth of next month, and from which a very few have already been cut, is a handsome sight, and should yield a fine cut of this great favorite. The usual house of Papa Gontier has been given up to Bridesmaid this year. Mr. Elliott is convalescing favorably at Old Point Comfort, whither he went shortly after undergoing an operation.

F. J. N.

Newport, R. I.

The social session at the Horticultural Society's meeting on the 14th proved a great success; music, vocal and instrumental, was the leading feature. Soloists, Messrs. Galvin, Maher and J. T. Allan took the lead. At the business meeting two new members were elected.

T. W. Weathered's Sons are putting up a new range of glass for Mr. T. K. Gibbs, and Messrs. Lord & Burnham are shortly to commence work on a new palm house for Mrs. Wm. Astor.

On account of sickness (la grippe) among the craft the bowling match arranged to take place on the 26th, between the Gardeners' team and the Newport Artillery picked team, had to be postponed.

The Marguerite carnations, which have been grown outdoors in large quantities for cut flowers during the Summer season for some years, are proving unsatisfactory, on account of the large percentage of singles, and are being superseded by Scott and McGowan.

MAC.

Pittsburg.

The very unfavorable weather the last few weeks has at various times caused a scarcity of good stock of roses and carnations, and at the present time they are not any too plentiful. Good roses command higher prices than at the same time a year ago, and the same can be said of carnations. What the prospects are for Easter is hard to tell. Trade has been fair right along, and flowers generally used up pretty well. With the heavy trade expected for Easter it looks as if stock will be mighty scarce.

Not much is doing yet in the plant market, and it will require some fine weather to bring stock into good blooming condition. From appearance the number of plants will be quite large, and no doubt will sell well, as cut flowers will likely be high in price.

John Bader visits the East this week, to look around and pick up some stock; he will be accompanied by Mr. Koerbel, of Jeanette, Pa.

E. C. REINEMAN.

Cincinnati.

Business still remains good. American Beauty in good stock is scarce. Carnations do not equal the demand, while being sold up close at all times.

The informal reception at "The House in the Woods," residence of Mr. and Mrs. J. A. Petersen, March 21, was a grand success; their new home is very handsome in all its appointments. Among those present were Mr. Salway, superintendent of Spring Grove Cemetery, and R. H. Warder, superintendent of parks; Mr. Francis Pentland, Mr. Herman Herlein, Hon. Howard Douglas and ex-Postmaster Chas. Brown, E. H. Gelsy, Wm. Murphy, R. Witterstaetter, Frank Ball, Geo. S. Bartlett, Mr. Pfeiffer, gardener at Longview Asylum; Dr. Murphy, Thomas Jackson and Anthony Wiegand and wife, of Indianapolis. Refreshments were served during the afternoon, and a visit to the greenhouses found everything in apple-pie order. Mr. Petersen is known to be among the most successful growers of Adiantum Farleyense in the country, and his young stock is now in fine shape. Pandanus Veitchii and dracænas are also well done here.

The Beachwood Band, consisting of all florists, Geo. Murphy, director, will give a minstrel entertainment Friday evening. A large audience is expected and a good time all round.

E. G. GILLETT.

Grand Rapids.

Mild Wintry weather has prevailed until quite recently. Violets took a slump and seem buried deep under the huge snow drifts. Funerals have been numerous and all surplus flowers are kept from accumulating. One of the most elaborate weddings ever celebrated here was the Ambert-May wedding of the 14th. It took 2,100 roses, pink and white, besides large quantities of asparagus, wild smilax, laurel and plants. Crabb & Hunter had the order, and had to get most of the material from Chicago, flowers being so scarce in the home market.

As for a Lenten lull in business we have ceased expecting it, and are now anxiously figuring out what will we have for Easter. Carnations promise to be very scarce, particularly white and red. Roses will also be in short supply. There promises to be plenty of bulb stock, azaleas, flowering shrubs, pot roses—even to a fine stock of Crimson Ramblers and Easter lilies. While Harrisii is a practical failure there are large quantities of longiflorum being grown, which will be sufficient for all demands. Prices remain unchanged.

Recent visitors: A. L. Vaughan, Chicago; A. Boddington, New York; also G. Kroeschell and Herman Vlasveld, of Holland.

A. W. Tweedie, of Cadillac, is in town getting pointers on building, etc. He reports trade exceptionally good. He removes to a piece of land purchased for the erection of new houses to meet the demands of his increased business.

G. F. C.

Why My Tobacco Dust "The Black Stuff" Fine or Coarse 2 cts per pound 500 to 1000 pounds The Best for florists

Its my specialty, I have made the wants in this line by the growers a study and know the grade that kills; if it fails your money back

H. A. Stoothoff 116 West St NYC

Mention the Florists' Exchange when writing.

Tobacco Whale Oil Soap "Aphia" Brand Try it for Scale "red spider" "green fly" "mealybug" Its Good Seedsmen keep it 50 to 100 H. A. Stoothoff 116 West St NYC

American Rose Society's Exhibition.

This society has great reason to be proud of the results of its work so far. When the doors of the Eden Musée, New York, were opened to the public on Tuesday last the grandest collection of greenhouse roses ever seen in this country was on view. But if the exhibition room had only been twice as large the effect would have been much more gratifying. Everything had to be staged close together, and many of the exhibits were shorn of much of their beauty by being crowded. Such stock as came from Wood, Dunlop, Crowe, Myers & Samtman and others, was a revelation.

This exhibition will undoubtedly give a boom to the rose, and will mark a beginning in the seeking of new varieties by hybridizing.

As we said before the quality of the exhibits was a revelation; but how much better they could have been seen if the tables had not been so high. With these about 30 inches in height and the flower stems averaging from 30 to 50 inches long, some blooms were well above the line of vision and did not show to the best advantage. A range of height of the tables, according to the length of the exhibits, has long been considered the best possible way of exposing flowers to view. It was certainly rather hard on the judges to make them climb to the top of the tables, when inspecting those big vases of American Beauty.

The judges are to be complimented on their decisions; theirs was no small task, and their awards gave satisfaction. The judges were: Edwin Lonsdale, Philadelphia, Pa.; Robert J. Halliday, Baltimore, Md.; Sam Goldring, Albany, N. Y.; W. I. Brower, New York; G. Hay, Stamford, Conn., and I. L. Powell, Millbrook, N. Y.

In the competition for the Mason Cup, Peter Crowe of Utica, N. Y., was victorious, with a vase of Bridesmaid that for length of stem, size of bloom and coloring were unequaled. This class called for an exhibit of not less than 100 nor more than 200 blooms of any variety. In the winning vase there were 105 flowers all told, and although they had traveled some 300 miles they succeeded in carrying off one of the principal prizes offered.

The Bliss Cup was offered for the best 50 roses, any variety. E. G. Asmus, West Hoboken, carried off this prize with an excellent vase of his new rose Liberty.

The Trevor prize for the best arranged vase of roses, 100 blooms, went to Benjamin Dorrance of Dorrancetown, Pa.

T. J. Kelly, Madison, N. J., captured the Fitzgerald prize, for the best 36 roses, any one variety, winning with a vase of Bridesmaid.

The Thorley Cup was for the best collection of named varieties. In this class competition was keen; E. G. Asmus was victorious. Mr. Asmus showed a wonderful variety of blooms; also capturing the Hill Vase, which, too, was for a collection of named roses. Not only was there great variety, but all were grown to the highest state of perfection. Among the kinds shown were several American seedlings of promise, notably Lilipntian, Maryland, John Doe, Cerise and Prince of Bulgaria. There were also in the exhibit vases of Mermet, Bon Silene, Mlle. James Phillips, Sappho, Perle, Morgan, Meteor, Luizet, Sarah Nesbitt, Rouge de Lyon, Innocence, Princess Bonnie, Bridesmaid and Rothschild.



View showing use of Kift & Son's Flower holders in Mirror Decoration.

Prize Mirror Decoration of E. G. Asmus, W. Hoboken.

The first prize in the class for Marechal Niel, $30 cash, offered by E. M. Wood, was won by O. Mackintosh.

The Pierson Cup, for the best 100 red roses, was won by L. M. Noe, Madison, N. J.

For the Asmus prizes, for the best 50 blooms of American Beauty, J. Heacock, Wyncote, Pa., took first, and L. M. Noe second.

The Taylor Cup, offered for the best 25 blooms of Admiral Dewey, was captured by John H. Taylor, Bayside, L. I.

The American Rose Co. Cup, for the best 25 blooms of Golden Gate, was won by R. Simpson, Clifton, N. J., with a very fine bunch of this variety.

The New Jersey Floricultural Society's prizes, offered for private gardeners only, six varieties to be shown, went to J. Dowlen, first, and Wm. Turner, second.

J. H. Dunlop won the prize offered by the Morris County Gardeners' Society, with some magnificent specimens of Bride and Bridesmaid.

T. J. Donohue captured the prize offered by the Lenox Horticultural Society, for the best 25 Bride and 25 Bridesmaid.

The Young Cup, offered by Thos. Young, Jr., for the best mantel decoration, was won by E. G. Asmus.

The Craig Cup, offered by Robert Craig, Philadelphia, Pa., for the best mirror decoration was also captured by Mr. Asmus. Both effects were arranged by James I. Donlan.

For the best 25 American Beauty, the first went to Myers & Samtman, Chestnut Hill, Pa., the second going to J. Heacock, Wyncote, Pa.

E. M. Wood was first in the class for 25 blooms of the Bride; Jos. Heacock second. H. Hentz, Madison, N. J., took first for 25 Bridesmaid, J. Heacock being second.

For 25 Meteor, J. H. Dunlop was first, and L. B. Coddington, second. Mr. Dunlop also took first honors in the class for Mrs. Pierpont Morgan.

In the Cusin class E. G. Asmus was ahead. J. H. Dunlop carried off the prize for Mme. Hoste. He also was first for Perle, L. M. Noe being second. Peter Crowe was first for Golden Gate. E. G. Asmus was first in the Watteville class. E. Brant, Madison, N. J., was first for Lady Dorothea.

In the class for 12 American Beauty, stems not to exceed 4 feet, H. Weber &



Partial View of Exhibition of American Rose Society, held at Eden Musee, New York, March 27-29.

Sons, Oakland, Md., were the prize winners. In this class also T. J. Kelly was first for 12 Bride, J. F. Ryan, Madison, second. Mr. Kelly was also first for 12 Bridesmaid, Mr. Ryan second. H. Weber & Sons captured first for 12 Kaiserin Augusta Victoria, and a similar honor for 12 Perle.

In the classes open to private gardeners and amateurs only C. Pertanzel, Great Neck, N. Y., took the first for American Beauty; C. T. Talbot, Rhinecliff, N. Y., was second. N. Butterbach, Oceanic, N. J., was first on both Bride and Bridesmaid, F. Heather being second for Bride, and A. A. Taffe second for Bridesmaid. J. B. Colgate, Yonkers, N. Y., captured first for Souv. de Wootton.

In the class for climbing roses in pots H. C. Steinhoff, West Hoboken, N. J., carried off first honors—both for single specimen and the best six plants, Crimson Rambler being shown for both entries.

The Hoffmeister Floral Co., Cincinnati, O., was awarded first for Maid of Honor.

There were many excellent displays that were not entered for competition. Lager & Hurrell, Summit, N. J., had a beautiful exhibit of orchids, among them being many rare specimens and new hybrids.

J. Kift & Son, Philadelphia, had a splendid arrangement of new style flower holders. As demonstrated by the exhibit the decorating of a mirror or a table is much simplified by using the small glasses with the wire holders. Many different designs for table work were shown filled with choice flowers, the effect being exceedingly graceful; the large mirror also was encircled by a row of them, showing up to excellent advantage.

H. Siebrecht & Son, New Rochelle, N. Y., besides having a very handsome mantel decoration, made a miniature rose garden. Ramblers and hybrid perpetuals were used. This was directly in front of the orchestra, and was a very pretty piece of work.

John N. May, Summit, N. J., showed a large vase of his new carnation Olympia.

Dailledouze Bros. staged a fine bunch of No. 666, and H. Weber & Sons had a vase of Genevieve Lord carnation.

W. A. Manda, South Orange, N. J., displayed the Cherokee rose.

E. G. Asmus had a Liberty cap, composed of the Liberty rose; also a tree of the same flower.



Prize-winning Morgans.
Exhibited by J. H. Dunlop, Toronto, Ont.

Vase of Bridesmaid.
Not in competition.
Exhibited by E. M. Wood & Co., Natick, Mass.

SOME NEW VARIETIES.

The new rose, Queen of Edgely, a sport of American Beauty, similar to the type in everything but color, drew a crowd of admirers continually. This variety originated with the Floral Exchange, of Philadelphia, and was exhibited by them. It is a fine pink American Beauty, and when introduced will surely meet with great favor. A certificate of merit was awarded to it.

A certificate of merit was awarded to Robert Scott & Son, Sharon Hill, Pa., for their new h. t. rose, Robert Scott. This is a large pale pink bloom, built somewhat in the form of La France.

John Cook, Baltimore, also got a certificate of merit for a very fine light-pink rose named Baltimore.

H. Weber & Sons showed their pink sport from Bride. Only 10 blooms were to be had, so no award was given. This is delicate pink in color and has a very heavy bud and full center.

St. Louis.

Trade Notes.

Business here the past week has been rather slow; nothing but the usual run of funeral work going on, and not any too much of that. Stock in consequence has been piling up a little, all but carnations, the demand for and supply of which is now about equal. Prices have weakened somewhat, especially on large lots, wholesalers having to make inducements to buyers. Roses are quoted at 3c. to 6c., and are quite plentiful. Carnations bring 1½c. to 3c. Harrisii, with few in the market, go at 10c. to 12½c. Valley is plentiful, at 3c. for good; Beauty rather scarce, bringing $1.50 to $3 per dozen; violets, 30c. per 100. There are great quantities of the latter coming up from farther South, grown outdoors; they often arrive in bad shape, and sell at $2 to $3 per 100 bunches, these in turn being disposed of on the streets at 5c. per bunch, hurting the sale of home-grown flowers.

Stock for Easter is somewhat uncertain as yet. There are lilies in cellars and in hot beds, in the greenhouses and in all stages between. What the crop will be is rather hard to say. The plants seemed to develop the disease this year when they were supposed to be safe. Hydrangeas will be in good supply; azaleas and hyacinths, we think, will be pretty well gone.

The weather has at last settled into Spring, neither hot nor cold, with very little rainfall, putting the ground in excellent condition for all garden work, which is now being pushed rapidly. Especially are the nurserymen busy; we cannot remember when conditions were more favorable for planting at this season of the year than at present, the principal drawback being inability to get Eastern stock here to finish up orders, as it seems to be frozen up as yet.

News Items.

J. M. Hudson recently received the finest lot of carnations ever exposed at public sale in this city. They sold on arrival at 4c. each. Variety or name of consignor could not be learned.

Walter Mott, representing H. A. Dreer, Philadelphia, is in town, and reports excellent business—fully equal to, or better than, last year's. C. S. Ford, representing A. Herrmann, New York, is also here, and C. L. Brunson, of Paducah, Ky., was a visitor, looking around for stock.

C. C. S.



View showing Vases of American Beauty in competition.
Case with Trophies in foreground.



Vase of Bridesmaid.
Winner of Mason Cup. Exhibited by Peter Crowe, Utica, N. Y.

First Prize American Beauty,
Exhibited by Myers & Samtman, Chestnut Hill, Pa.

APPLE TREES, 7 cts.

5 to 7 ft. of the noted variety **Golden Ball,** or **Hyde's King of West.** Also light 4 to 5 ft. trees of Cooper's Market Beauty and Whinery's Late Winter, all long keepers, great bearers, high quality. Ground must be cleared. All 7 cts.

JENKINS' EVERGREEN & SEEDLING NURSERY, WINONA, OHIO.

Mention the Florists' Exchange when writing.

NORWAY MAPLES.

1000 8 to 10 feet.
1000 6 to 7 "
700 4 to 6 "
700 3 to 4 "
100 1 to 2 "

IRISH JUNIPERS.

500 3 to 4 feet.
500 2½ to 3 "
500 2 to 3 "

10,000 Peach Trees, General Assortment

The Maple and Juniper will be sold at very low prices in order to close out.

C. L. LONGSDORF,

Oak Hill Nurseries, Flora Dale, Adams County, Pa.

Mention the Florists' Exchange when writing.

SEASONABLE STOCK FOR SPRING PLANTING.

CLEMATIS In following varieties: Jackmanni, purple; Henryi, white; Grand Duchess, large white; Ramona, lavender; General Orant, crimson; Marvel, snow white; Star of India, purple and red; Duchess, double white; Comtess Lovelace, double lavender; Princess, blue, white border; Mad Andre, red; Gipsy, maroon; Duke of Norfolk, large blue; Reomesins, red; Belle of Woking, beautiful full double blush; new Jackmanni Superbs, a grand variety, much superior to Jackmanni; Mad. Baron, Veilliard, pink; Gen'l Wolseley, purple and red. Strong-growing 2-year plants, 30c.; **$3.00** per doz.; **$20.00** per 100. 25 at 100 rates.

H. P. ROSES. Own roots; strong, healthy, 2-year plants, in 10 leading kinds, **$1.50** per doz., **$10.00** per 100.

YOUNG ROSE PLANTS. April and May. **$4.00** per 100, **$36.00** per 1000.

H. P. ROSES. House-grown, strong, 2-year plants for late planting, from 4 inch pots, **$12.00** per 100.

MONTHLY ROSES. Pot-grown, 4 inch, in 15 or 20 leading kinds, including Malmaison Agrippina, etc., etc., **$1.00** der doz., **$8.00** per 100.

PÆONIES (Herbaceous), in 10 best market sorts, all named, fine double, from pure white to deep crimson, all shades in even assortment, **$1.50** per doz., **$10.00** per 100; all white, **$15.00** per 100.

DOWNING GOOSEBERRY. The most reliable market sort. 10 tons of fruit sold from my own grounds last season. Strong, 2-year plants, **$2.50** per 100; **$20.00** per 1000.

A good stock of Yellow and Crimson Rambler; also Clematis Paniculata, 3 sizes.

F. A. BALLER, Bloomington, Ill.

Mention the Florists' Exchange when writing.

Oak Park Nurseries.

MAPLES.

Norway, 8 to 15 ft.; Silver, 8 to 15 ft.; Sycamore, 8 to 9 ft.; Negundo, 6 to 8 ft. **Poplar,** Carolina, 8 to 12 ft.

Arbor Vitæ,	1 to 1½ ft.	$2.00	per 100
" "	1½ to 2 "	4.00	"
" "	2 to 3 "	6.00	"
" "	3 to 4 "	10.00	"

M. F. TIGER, PATCHOGUE, N. Y.

Mention the Florists' Exchange when writing.

Special Offer!

A No. 1 Lot of TREES.
Nice heads, good stems and stocky.

300	**SILVER MAPLE,** 8 to 10 ft.	$8.00	per 100.
300	" " 10 to 12 "	12.00	"
200	**SUGAR** " 8 to 10 "	18.00	"
300	" " 10 to 12 "	25.00	"
10	" " 5 in. Cal.	2.50	each.
200	**NORWAY** " 8 to 10 ft.	20.00	per 100.
300	" " 10 to 12 "	30.00	"
100	" " 2 to 2½ in. Cal.	40.00	"
50	" " 2½ to 3 "	60.00	"
25	**PIN OAK,** 6 to 7 ft.	40.00	"
50	**CATALPA SPECIOSA,** 7 to 8 ft.	15.00	"
100	**LOMBARDY POPLAR,** 10 ft.	15 00	"
40	" " 2½ to 3 in. Cal.	50.00	"
25	**PURPLE BEECH,** 4 to 5 ft.	35.00	"
200	**IRISH JUNIPER,** 3 ft.	10.00	"

W. P. BRINTON, - - Christiana, Pa.

Mention the Florists' Exchange when writing.



Mention the Florists' Exchange when writing

Rhododendrons Not imported and therefore hardy.

Hardy Azaleas, Japanese Maples,
Magnolias (living guaranteed),
Rare Evergreens, Other Trees, New Shrubs, Hedge Plants.

Parsons & Sons Co., Limited, **Flushing, N. Y.**

Mention the Florists' Exchange when writing.

BOBBINK & ATKINS,

RUTHERFORD, N. J.

H. P. Roses, in Standard and Bush form.
Climbing Roses: Crimson, Yellow, Pink, and White Ramblers.
Standard Crimson Rambler.
Magnolias.
Hardy Azaleas.
Hybrid and Parsons' Rhododendrons.
Clematis: Paniculata and Jackmanni vars.
Colorado Blue Spruce (Grafted stock only).
Fancy Evergreens.
Buxus in Standard and Pyramidal form.
Aucuba.
California Privet.
Hydrangea Paniculata Grandiflora, in Bush and Tree form.
Tree Pæonies.
Shrubs.
English Ivy, Etc., Etc.
Hardy Phlox, variegated **Arundo, Anemone Japonica.**
And all other leading Herbaceous Plants.
Dahlias, in 500 named varieties.
Tuberous Begonia, single and double.
Gloxinias.
Caladiums.
Gladiolus, Etc., Etc.
Grafted Tea Roses, in leading varieties.

VISITORS can reach us by taking the Christopher or Barclay St. Ferry from New York, connecting with the Electric cars in Hoboken. Cars pass our Nursery. Take Erie R. R., W. 23d or Chambers St. Ferry, New York, to Rutherford, N. J.

Mention the Florists' Exchange when writing.

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN

WILSON J. PETERS, Troy, O., President; D. S. LAKE, Shenandoah, Ia., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

New York.—Of the large orders for nursery stock placed this season Fred'k. W. Kelsey, of this city, has been awarded two orders aggregating nearly 40,000 trees, evergreens, hardy shrubs, etc.

Escondido, Cal.—The Sunnyside Nurseries have succeeded J. W. Jobes and Jobes Bros. J. W. Jobes will remain as manager.

Windsor, N. S.—The Newport Nursery Co., Ltd., has been incorporated. The provisional directors of the company are John Keith, Esq., banker, and A. P. Shand, manufacturer, both of Windsor, and J. J. Salter, nurseryman, Newport. The principal place of business is at Stanley, Hants County, where the company owns 172 acres of nursery grounds.

Jackson & Perkins Co., of Newark, New York, have still further increased the extent of their nurseries by the purchase of another farm, adjoining one which they acquired and planted only a year ago. The new place is 120 acres in extent, making a total of some 350 acres, of which about 50 are devoted to field-grown roses—the firm's leading specialty

Fumigation of Nursery Stock.—The New York Agricultural Experiment Station has issued a bulletin (No. 174, March, 1900), prepared by Professor Beach, on this subject. Directions are given as to the materials and equipment necessary for the work. The bulletin states:

The entomologists who have investigated this subject are not yet agreed as to the length of time which should be recommended for the fumigation of dormant nursery stock, but they generally give from 30 to 50 minutes. Sirrine advises that, when using the formula given below, the stock be fumigated for one hour. In Johnson's tests, well-matured stock of apple, plum, etc., stood treatment one hour with gas at a strength far above the standard used; so that in general with the standard strength no damage need be feared from an over dose with well-matured stock. It is well to be on the safe side and continue the fumigation long enough to secure the full benefit of the operation.

After the stock has been fumigated the room must be ventilated for at least ten minutes before entering it. This rule must be strictly enforced, because anyone who enters the room before it has been properly ventilated endangers his life.

THE FORMULÆ.

The following formula is recommended by Sirrine for general use in fumigating well-matured dormant nursery stock. For each 100 cubic feet of space in the room use:

Formula for well-matured Stock.

Potassium cyanide, (98 to 99% pure)	1⅛ oz. (avoir.)
Sulphuric acid.....	1⅜ to 1½ fl. oz.
Water.....	4½ fl. oz.

Fumigate for one hour and then ventilate the room ten minutes before entering it.

Sirrine's experiments with different amounts of the cyanide lead him to the opinion that for general use with well-matured nursery stock the amount should not be less than 1⅛ ounces per 100 cubic feet, which is the amount given in the above formula. (Other entomologists recommend less amounts of the cyanide. Johnson's formula calls for approximately 9-10 ounce per 100 public feet; Alwood uses 1 ounce, Marlatt 1 ounce and Webster 4-5 ounce per 100 cubic feet for well-matured stock). Sirrine finds, however, that stock, under some conditions, is injured by even as small a quantity of the cyanide as this. Johnson reports similar results and recommends for peach whips, June budded peach trees, bud sticks and in general all stock which is not well matured, that the amount of potassium cyanide be reduced to 18 grams (approximately ⅝ ounce) per 100 cubic feet. When stock is to be fumigated which is not well matured it is doubtless best to reduce the amount of the cyanide as Johnson recommends, even if it is necessary to lengthen the time of fumigation to get satisfactory results. Following Sirrine's ideas in regard to the proportionate amounts of sulphuric acid and water the formula for each 100 cubic feet of space would be as stated below.

Formula for immature stock, bud sticks, etc.

Potassium cyanide, (98 to 99% pure)	⅝ oz. (avoir.)
Sulphuric acid.....	¾ fl. oz.
Water.....	2½ fl. oz.

As regards refumigation Johnson finds that the peach will not stand a second fumigation. Apples, pears, etc., are not injured by it, but it is well not to expose stock a second time to the gas after it has been once properly fumigated.

Stock which has passed out of the dormant condition cannot be safely fumigated with gas at the strength given for dormant stock, neither can it in the Fall before the leaves have dropped.

Instructions are then provided for the construction of fumigating houses.

ORANGE.—John Hayes, superintendent of the estate of O. D. Munn, has started a frame of crotons which present a fine appearance already.

Peter Duff, president of the New Jersey Floricultural Society, among many other things in his new house has a bench of grafted rose cuttings on manetti stock, which does credit to this skillful propagator.

SURPLUS FOR SPRING 1900

Can yet do **PEACHES** and **JAPAN PLUMS** in limited quantity; also **MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY, STRAWBERRIES** from best leading varieties. Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.

ALEX. PULLEN, PROPRIETOR.

Mention the Florists' Exchange when writing.

A Picture of the....



EXPANSIVE TREE PROTECTOR.

Absolutely prevents all worms and insects from crawling up fruit and shade trees. For agency, territory and prices, address

EXPANSIVE TREE PROTECTOR CO., ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

IRISH and SWEDISH JUNIPERUS

		100	1000
6 to 9 inches,	transplanted	$5.00	$40.00
9 to 12 "	"	6.00	50.00
12 to 15 "	"	7.00	60.00
15 to 18 "	"	8.00	75.00
18 to 24 "	"	10.00	
24 to 30 "	"	13.00	
30 to 36 "	"	15.00	
15 to 18 "	Sweden Juniper	6.00	

Rooted Cuttings, ready in May, $20.00.

ROSES Clean, healthy plants, from 2 inch pots. Prices and samples to buyers on application. Am. Beauty, Golden Gate, Niphetos, Perle, Sunset, La France, Albany, Wootton, Testout, Bride and Bridesmaid. One-year-old dormant pot-grown Wootton, $5 per 100

ISMENE CALATHINA White summer-blooming Amaryllis, strong bulbs, first size, $12.50; second, $10.00 per 100.

JOSEPH HEINL, Jacksonville, Illinois.

Mention the Florists' Exchange when writing.

Rhododendron Maximum.
Kalmia Latifolia.

In all sizes and any quantity.
Special rates on car-load lots.
A special opportunity.
Write for prices.

J. WOODWARD MANNING
1150 Tremont Building,
BOSTON, MASS.

Quotations on all other Nursery stock.

Mention the Florists' Exchange when writing.

BEGONIA
GLOIRE DE LORRAINE

Orders Booked Now for
June and July Delivery.

PLANTS FROM 2¼ INCH POTS,
$17.50 Per Hundred;
$140.00 Per Thousand.

I have the Largest Stock of this Valuable Plant in this Country. All Home-Grown.

THOMAS ROLAND, Nahant, Mass.

Mention the Florists' Exchange when writing.

SPECIAL LOW OFFER
OF CHOICE STOCK!

NEW HYBRID CARNATIONS

Crossings Between Marguerite × Remontant.

They are what we can recommend as truly summer flowering varieties. They begin to bloom in July and continue until frost sets in. Flowers medium size; growth very rapid. Can offer 10 varieties of them in as many different colors.

Vulcan, a pleasing shade of red.
Mercury, brilliant scarlet.
Saturn, deep crimson.
Uranus, maroon.
Neptune, magenta violet.
Jupiter, beautiful shell pink.
Estella, white ground, heavily striped pink.
Minerva, rosy pink.
Venus, white, few pink stripes
Rising Sun, yellow striped pink.

Well-established plants, from 2½ inch pots, $5.00 per 100, **By Express**; or the set of 10 varieties, rooted cuttings, by mail, for 50 cents.

ETHEL CROCKER

The best Pink Carnation. Well-established plants, from 2½ inch pots, $10 per 100. Rooted cuttings, $8 per 100; $1 per doz.

	Per 100
Asparagus Sprengeri.....2-inch pots,	$3.00
Ageratum, Princess Pauline and Pope's Pet.....3-inch "	3.00
Alyssum, Little Gem.....3-inch "	3.00
Alyssum, Double Giant.....3-inch "	3.00
Antirrhinum majus album.....3-inch "	3.00
Browallia New Giant.....2½-inch "	3.00
Bouvardias, white, pink and red.....2-inch "	3.00
Clematis paniculata.....3-inch "	5.00
Clematis, large flowering varieties, 2-year-old plants $3.00 per dozen.....	
Feverfew, Little Gem.....3-inch "	3.00
Lobelia Emperor William.....2½-inch "	3.00
Lantana, dwarf (Le Nain)....2½-inch pots,	$3.00
Mesembryanthemum, variegated.....2-inch "	3.00
Hardy Ivy.....3-inch "	5.00
Otaheite Orange.....$1.50 per dozen.....4-inch "	
Salvia Splendens and Bedman.3-inch "	3.00
Selaginella denticulata.....2½-inch "	3.00
Ficus Repens.....2½-inch "	3.00
Verbenas, best varieties, R. C., 65c. per 100.	
Chrysanthemums, best commercial var., R. C., $2.00 per 100.	
Achillea, The Pearl, from open ground clumps, $1.00 per dozen.	

C. EISELE, 11th and Jefferson Sts., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

HARDY HERBACEOUS PLANTS!

Your customers are sure to call for these this Spring, and we have a splendid stock. Order at once, and secure these fine plants before stock becomes exhausted. Two sizes to offer, 3½ inch pot plants for immediate sales, or 2 inch pot plants for your own planting out.

Compare these prices with those of other firms and let us have your order immediately.

3½ INCH POT PLANTS.

	Per 100
Anemone Japonica Alba	$4 00
Anemone Japonica Rubra	4 00
Anemone Japonica Whirlwind	4 00
Alyssum Saxatile Compacta	4 00
Astilbe Japonica, 5-inch pots	6 00
Aquilegia, double mixed	4 00
Caryopteris Mastacanthus	3 00
Coreopsis Lanceolata	3 00
Digitalis, assorted	3 00
Hemerocallis Sieboldii	$4 00
Lychnis Chalcedonica	3 00
Statice Armeria	3 00
Hibiscus Crimson Eye	3 00
Myosotis Alpestris	3 00
Gaillardia Grandiflora	3 00
Eulalia Japonica	4 00
Geum Atrosangineum	4 00
Matricaria	3 00
Lobelia Cardinalis	$3 00
Sweet William, double sorts	3 00
Mountain Fleece	3 00
Funkia Sieboldii, var.	4 00
Funkia Subcordata, field grown clumps	8 00
Rudbeckia Golden Glow	3 00
Hemerocallis Flava	4 00
Japanese Iris, eight fine double sorts	4 00
German Iris, assorted	3 00

2 INCH STOCK, VERY FINE.

	Per 100
Papaver Bracteatum	$2 00
Helianthus Multiflorus Plenus	2 00
Lavendula, Sweet Lavender	2 00
Geum Atrosangineum	2 00
Gaillardia Grandiflora	2 00
Hibiscus Crimson Eye	2 00
Hardy Pink Her Majesty	2 00
Scabiosa Caucasica	2 50
Pyrethrum Roseum	2 00
Platycodon Grandiflorum, blue or white	$2 00
Lychnis, Haageana Hybrids	2 00
Heuchera Sanguinea	2 00
Gypsophila Paniculata	2 00
Delphinium Nudicaule, scarlet	3 00
Delphinium Sinensis Album, white	2 00
Delphinium Azureana, very fine blue	3 00
Delphinium Formosum, blue, will flower this summer	2 00
Primula Veris Elatior	$2 00
Chrysanthemum Uliginosum	2 00
Campanula Pyramidalis, blue or white	2 00
Candytuft Gibraltarica	2 00
Aquilegia, double white	2 00
Aquilegia, double mixed	2 00
Alyssum Saxatile Compacta	2 00
Achillea the Pearl	2 00
Rudbeckia Golden Glow	2 00

PANSIES In these we have to offer an exceptionally fine strain, with extra large flowers, and combining a great variety of colors. Plants are just right for Easter blooming, being full of buds. Price, $1.00 per 100; $8.00 per 1000.

BELLIS PERENNIS DOUBLE DAISIES. We have these in strong cold-frame grown clumps, covered with buds and blossoms. Can offer Snowball and Giant Red. (Must not be compared with cheap stock). Price, $1.00 per 100; $8.00 per 1000. Every Pansy and Daisy sent out guaranteed to be in bud or bloom.

TERMS: CASH OR C. O. D.

EDWARD B. JACKSON, Stamford, Conn.

Mention the Florists' Exchange when writing.

New York.

Committee Meetings.

Despite inclement weather and the nearness of the date to Easter, a very gratifying attendance of committee men was present at the club rooms Monday evening last. As a committee of the whole the members listened with interest to President O'Mara as he announced in detail the satisfactory progress making in all directions connected with convention matters. A statement received by the Sports Committee, with pleasure that was participated in generally, was to the effect that the Lord & Burnham Co. had offered a $100 trophy to the club scoring the highest number of pins in the bowling tournament in August next. It is probable that the rules governing this contest will necessitate the trophy being won twice by the same club before becoming its absolute property. Other prizes are in sight. The schedule of premiums for the horticultural exhibition is now ready, and is being distributed by Secretary Jos. A. Manda, South Orange, N. J., from whom copies may be obtained. Ex-President Plumb is hopeful of securing $150 as the prize or prizes to be given to the individual exhibitor securing the largest number of premiums at the show.

Market Notes.

There has been very little change this week in the cut flower business, either in regard to prices or qualities and quantities. Hybrid perpetual roses are, perhaps, more plentiful, still there has not yet been enough of them to create any enthusiasm. Rothschild, Brunner and Jacq. compose the list so far; and they have brought prices ranging from 25c. down.

Three dollars a dozen will buy the top grade American Beauty. Special Bridesmaid can be had at $8 and $10 per 100, and some stock, that grades considerably higher than specials, has realized 18c. each. We cannot mention these by the hundred; they don't come in that way. Extras and No. 1's have not been in such good demand, and a slight falling off in values has been noticed in these grades.

Carnations continue to sell first-rate, and prices remain stationary. Fancy varieties are in great demand. Orders are already being booked for Easter, and from the present outlook it would seem that there will be a shortage, and high prices will prevail at that time.

There are various qualities of lilies around, and the best are fetching $1.50 per dozen; others sell at $1 and $1.25. Callas realize from 5c. to 8c. each. Sweet peas bring $1.25 per 100; daffodils, $2; tulips, from $2 to $4, according to color; Roman hyacinths, $2; valley, $1 to $3. Orchids are quite scarce. Smilax is selling fairly well, the best strings bringing $2 per dozen.

Violets are still very plentiful, and the low prices of last week yet prevail. Asparagus plumosus, Dutch hyacinths, pansies and lilac do not seem to be in good demand, and there are no fixed values on any of them.

This has been a notable week for New York; the show of the Rose Society has fully demonstrated why the shipping trade of this city has gradually dwindled to almost nothing, compared to what it used to be. Other cities and towns are producing better roses. Cases are on record where choice stock has been shipped from here to certain cities and the flowers did not give entire satisfaction; dealers in this city failed to account for this, but, after seeing the quality of the roses sent for exhibition from those same cities, they understand it much better now.

Jottings.

C. W. Ward journeyed to Philadelphia this week.

W. A. Prosser has opened an office at No. 57 Maiden lane, to deal in bulbs and other specialties.

H. W. Wipperman, of Brooklyn, had the misfortune to fall and break his leg while alighting from a trolley car a few days ago.

Dailledouze Bros. will erect another large carnation house the coming Summer.

Charles Thorley, the Broadway florist, has just returned from a visit to Hot Springs, Va.

Visitors.

Frank H. Vick, Rochester, N. Y.; P. D. Hauser & Son, San Antonio, Texas; Henry C. Geiger, representing the Floral Exchange, Philadelphia; W. P. Binder, Baltimore, Md.; Wm. Falconer, Schenley Park, Pittsburg, Pa.; P. J. Donohue, Lenox, Mass.; E. M. Wood, Natick; Robert Kift, Philadelphia; A. Lange, Chicago, Ill.

DE GRAAFF BROS. (LONDON). Bulbs. Full Line. Best in Quality.

Holland Bulb and Plant IMPORTING AGENCY.

WEZELENBURG & SON (HAZERSWOUDE), Forcing Plants, Trees and Ornamentals.

DE GRAAFF BROS. Are the largest growers of New and Leading Varieties of Bulbs in Holland, and have built a great reputation and an immense trade in England by square, honorable dealing and first-class goods at reasonable prices.

WEZELENBURG & SON Are the most extensive growers of Potted Forcing Plants in Holland. Azaleas, Rhododendrons, Roses, Trees and Ornamental Shrubs, Etc., Etc. Established 1850.

SEND FOR ILLUSTRATED CATALOGUES (SPECIAL AMERICAN EDITION) TO

F. S. PEER, Mt. Morris, N. Y. Sole Agent for the United States and Canada.

Also Roman Hyacinths and Paper White Narcissus, specially grown in France and Bermuda, and California Lilies, English Manetti Stocks and Choice Tested Novelties.

Write Me Before You Place Your Order. WHOLESALE ONLY.

Mention the Florists' Exchange when writing.

A Carnation Show.

In the rooms of the Press Club, No. 34 West 26th street, the New York Gardeners' Society held their Spring carnation exhibition. There was quite a display, most of the leading varieties of the day being represented. G. M. Hay took the De La Mare Publishing Co.'s prize, with a vase of excellent Bradt; the same gentleman also got the Florists' Review's prize, with well grown blooms of Jubilee, Bradt, Flora Hill and White Cloud. The Ward Cup was won by W. C. Duckham, with a very fine assortment. The varieties shown were America, Maceo, John Young, G. H. Crane, Mrs. James Dean, Maude Adams, New York, Blush, Melba, Bradt and Glacier, all of which were very well grown.

The Pierson prize was awarded to Wm. Russell, he showing well grown blooms of White Cloud, Mrs. James Dean, John Young, Meteor, Albertini, Bradt, Scott, Portia, New York and Turner's seedling. The prizes offered by American Gardening and Dailledouze Bros. were not competed for.

Commercial growers were well represented, Robert Craig & Son sent a vase of Ethel Crocker, which was awarded a certificate of merit. H. Weber & Sons received certificates of merit for No. 11, pink; No. 40, pink Genevieve Lord; No. 10a, large white, and No. 126, a good dark red; another pink variety, No. 30, also received honorable mention. The fine keeping qualities of Genevieve Lord were well displayed on this occasion.

Lehnig & Winnefeld received certificate of merit for their white seedling, and H. Michell, Philadelphia, got honorable mention for Mrs. Bertram, Lippincott. H. A. Molatsch showed a good scarlet, Mrs. Bird S. Coler, which received an honorable mention. From Flint, Michigan, Mrs. McIntyre sent a red variety named after that state; these arrived in poor condition.

C. W. Ward received a certificate of merit for a vase of Roosevelt; Dailledouze Bros. also got a certificate of merit for their No. 666. Honorable mention was given to John H. Taylor for a vase of Scott. The Dexter Co. showed a fine vase of California varieties, and E. Banyard & Son had sample blooms of their Pink Perfection petunia.

A light collation was served by the society, and at the quarterly business meeting held there was some talk of having a strawberry show at the next meeting in June, but definite arrangements were not made.

A vote of thanks was tendered J. I. Donlan for his efforts in arranging the carnation show. Robert Craig spoke a few words, gave lots of good advice, and related how slow New York was as compared with Philadelphia. Philadelphia men come to New York and carry away the first prizes for American Beauty.

The gardeners are enthusiastic over the forthcoming exhibit in August. There may also be a chrysanthemum show under their own auspices this Fall.

Providence, R. I.

Farquhar Macrae has decided to build two new houses, one 18x170 feet, one 22x200 feet, and is laying his plans for several more new houses later on. Heretofore he has heated his houses by hot water, but will take out his old boilers (four), building a new boiler-house complete, and will heat by steam. He has placed his order with the Dean Boiler Co. for boilers. This firm will make plans and superintend the necessary changes.

St. Albans, Vt.

Charles H. Cooke, who has been in Boston the past year, returns to this city as assistant to his father, George Cooke.

CHANGES IN BUSINESS.

McGREGOR, IA.—Robert Gugler will open a flower store here.

TOPSHAM, ME.—Herbert Merion will open a flower store on Main street.

LAWRENCE, MASS.—Herbert Swan and J. Berndtson have bought the greenhouses of James Madding, of Jackson street, Methuen, and will move them near to the corner of Berkeley and Jackson streets.

DOYLESTOWN, PA.—George Carver has sold his interest in the greenhouses of Schmutz & Carver, and Mr. Schmutz will hereafter run the business himself. Mr. Carver will take a position in Andre's rose houses.

ALBANY, N. Y.—The firm of Goldring Bros., composed of Samuel and Frederick Goldring, doing business as florists at 30 North Pearl street, has been dissolved. Samuel Goldring will continue at the North Pearl street store, and his brother will engage in the wholesale business, with greenhouses at Slingerlands.

ROOTED CUTTINGS OF CARNATIONS.

Both new and old varieties at lowest prices for good stock. Special rates on orders booked for future delivery. Satisfaction or money refunded. Send for price list.

GEO. A. RACKHAM, 880 Van Dyke Avenue, DETROIT, MICH.

Mention the Florists' Exchange when writing.

Rooted Cuttings of Carnations NOW READY

Jubilee, White Cloud, New York, and all standard varieties. Write for prices.

VIOLETS Orders booked now for rooted cuttings. If you want the best stock obtainable give us your order now for April delivery and you will get the best.

CRABB & HUNTER, Grand Rapids, Mich.

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Violet Plants ..For EASTER..

IN FULL BLOOM, FROM $30.00 TO $35.00 PER 100.

Cash with order, please. Violets a specialty.

HERM. BOWMAN,

LARCHMONT, - - N. Y.

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Extra Fine, Double Fringed Petunias PINK BEAUTY, MRS. SANDERS, PERFECTION,

And other good varieties. Well-rooted cuttings, $1.00 per 100. Well-established plants, 2½ in. pots, $2.00 per 100; 300 for $5.00. 3½ in. pots, full of cuttings, $5.00 per 100. You can more than double your money on these plants.

Last spring I had to return many orders, did not have enough. Will add liberally to every order to help pay express charges.

Have also 200 to 300 **FINE PELARGONIUMS**, good varieties only, 2½ in. pots, $3.00 per 100.

FUCHSIAS, single and double, fine 2½ in. pots, $2.00 per 100. Cash with order.

C. G. NANZ, Owensboro, Ky.

Mention the Florists' Exchange when writing.

Rooted Cuttings of New and Standard CARNATIONS.

SEND FOR PRICE LIST.

WM. SWAYNE, Kennett Square, Penn.

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ROOTED CUTTINGS CARNATIONS.

Triumph	$1.50 per 100
Victor	1.50 "
Flora Hill	1.50 "

First-class cuttings, grown cool and well rooted. Cash with order.

GEORGE R. GEIGER, - Nazareth, Pa.

Mention the Florists' Exchange when writing.

CARNATIONS HEALTHY ROOTED CUTTINGS.

Wm. Scott. Pink.....per 100, $0.75; per 1000, $6.00
Miss Anna Webb. Dark red.....per 100, 1.00

CASH, PLEASE.

JOHN R. SCHREINER, - Lancaster, Pa.

Mention the Florists' Exchange when writing.

CARNATIONS. CUTTINGS FROM SOIL.

300	ALASKA	300	EVELINA
900	GENESEE	600	DAYBREAK
700	SCOTT	175	ARMAZINDY

70c. per 100.

300	FLORA HILL	200	VICTOR
200	BON TON	200	NEW YORK
80	MELBA	65	MRS. BRADT

$1.00 per 100.

225 GEN. MACEO, **$3.50 per 100** from sand.

275	FLORA HILL	650	DAYBREAK
200	SCOTT	100	JUBILEE

65c. per 100.

All good rooted plants.

J. G. PFORDT'S SONS,

899 Broadway, - - ALBANY, N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS

All New and Standard Variety Rooted Cuttings and Pot Plants.

	Per 100.
Geraniums, 2½ inch, in variety	$3 50
Smilax, transplanted 75c. and	1 00
Coleus, 2½ inch	2 00
" rooted cuttings	75
Rex Begonias, 2 inch, mixed	3 00
Asters, Queen of Market, 3 colors, transplanted	50
Dracæna Indivisa $10, $15 and	20 00
Heliotrope, 2½ inch	3 50
Ageratum, Tapis blue, 2½ inch	2 50
" Princess Pauline, 2½ inch	3 00
Roses, Bride and Bridesmaid, 2½ inch	3 00
Ferns for Dishes, 2½ inch	3 50
Salvia Splendens, 2½ inch	2 50

CASH, PLEASE.

CARL HAGENBURGER, W. Mentor, Ohio.

Mention the Florists' Exchange when writing.

Carnation Cuttings

READY FOR IMMEDIATE SHIPMENT.

		Per 100	Per 1000
SCARLET—G. H. Crane		$6.00	$50.00
	America	5.00	40.00
	Jubilee	2.00	15.00
	Portia	1.25	10.00
PINK—Wm. Scott		1.25	10.00
	Daybreak	1.25	10.00
	Victor	1.25	10.00
WHITE—Flora Hill		1.25	10.00
	Lizzie McGowan	1.25	10.00
Variegated—Armazindy		1.25	10.00
YELLOW—Eldorado		1.25	10.00

ROSES.—2 inch Pots.

Brides and Maids.....$3.00 per 100
250 at 1000 Rates.

WM. MURPHY, Sta. F, CINCINNATI, O.

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CARNATIONS

Rooted Cuttings. Clean, Healthy Stock.

FREEDOM, best-paying white yet for general use; and it don't need a glass palace to do well. Also **Daybreak, Jahn's Scarlet** and **Ferd. Mangold**, $1 50 per 100; **Gomez**, $4 50; **Maceo**, $6.00. 15 per cent. off on 1000. Terms Cash. Transplanted stock, 50 cents more per 100.

VIOLETS.

CAMPBELL, full of Flowers for Easter, in 5 in. pots, each, 25c.; per 100, $18.00. Express rate to Boston, 35 cents per 100 lbs., delivered.

W. G. KRABER, New Bedford, Mass.

35 TREMONT STREET.

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AZALEAS.

Fine plants in bloom from 60c. and up.

HYDRANGEAS, fine blooming plants, from 75c. and up, in 6, 7 and 8 inch pots, well grown.

GENISTAS, large plants from $1.00 and up.

For Palms see regular ad., page 324.

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MT. TROY, ALLEGHENY CITY, PA.

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Evans Improved Challenge

Roller bearing self-oiling device automatic stop, solid link chain makes the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

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24 in. 21 in. 18 in. 15 in.

COLUMBIA PLANT TUBS

"The kind that never falls apart."

INVALID APPLIANCE CO. Mfrs.,

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IMPERIAL LIQUID PLANT FOOD

When used upon **CARNATIONS** growers find that they "have larger and finer flowers, with stiffer stems."

IMPERIAL LIQUID VEGETABLE FERTILIZER

IMPERIAL LIQUID GRASS FERTILIZER

THROUGH LEADING SEED HOUSES.

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EASTER BASKETS!

PLANT BASKETS
With Pans, various sizes and styles.

PLANT HAMPERS

VIOLET HAMPERS

VIOLET CORDS
In Colors—Lavender, Pink, White and Nile Green, all sizes.

Fancy Crepe Paper POT COVERS

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LOOK OVER YOUR STOCK AND ORDER EARLY

AMERICAN BEAUTY VASES
Various sizes, plain or scalloped top.

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Green Jumbo Braid Pot Covers

WILLOW POT COVERS

PLANT STANDS
In Variety.

MATCH STICKS
For plants, etc., 5, 12, 18 and 24 in.

Illustrated Catalogue
Sent to the trade on application.

H. BAYERSDORFER & CO. 50, 52, 54, 56, No. 4th Street, Philadelphia.

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CARNATIONS

STRONG, HEALTHY, WELL-ROOTED CUTTINGS
OF THE FOLLOWING VARIETIES:

Ethel Crocker.

Absolutely the best pink carnation ever offered to the trade. Winner of certificates at New York, Philadelphia, Boston, Buffalo, Baltimore, Chicago, Indianapolis, Cincinnati, also Pennsylvania Horticultural Society, silver medal and first prizes everywhere.

With 18,000 plants to work from there is no danger of over propagation, and all orders will be filled with selected cuttings, every one of which we guarantee.

Price, $10.00 per 100, $75 00 per 1000, $18.75 per 250.

G. H. Crane.

Conceded to be the best and most profitable scarlet carnation on the market. We have a fine large stock of healthy plants, and can supply extra selected cuttings of this variety at

$6.00 per 100, $50 00 per 1000
250 at 1000 rate.

General Maceo.

Most profitable crimson carnation.
Price, **$6.00 per 100, $50 00 per 1000.**
250 at 1000 rate.

GOLD NUGGET, MRS. FRANCES JOOST.

GENERAL GOMEZ, WHITE CLOUD.

$3.50 per 100, $30.00 per 1000.

ALL THE NEW VARIETIES AT ADVERTISED RATES.



FLOWER OF CARNATION ETHEL CROCKER.

Robert Craig & Son, Market and Forty-Ninth Streets, Philadelphia, Pa.

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CLEARY & CO.,
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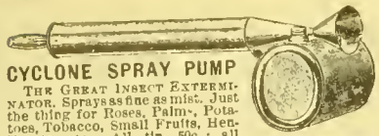
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THE GREAT INSECT EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palms, Potatoes, Tobacco, Small Fruits, Hen-Roosts, etc. All tin, 50c.; all polished copper, $1.00. *Cash with Order.* Weighs, boxed, about 5 pounds. Buyer pays express.
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BUILT EXPRESSLY FOR **Greenhouse Heating**
In Any Locality Between the North and South Poles.
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Green House Material
Hot Bed Sash. Red Cedar Posts.
Write for circulars or estimate.
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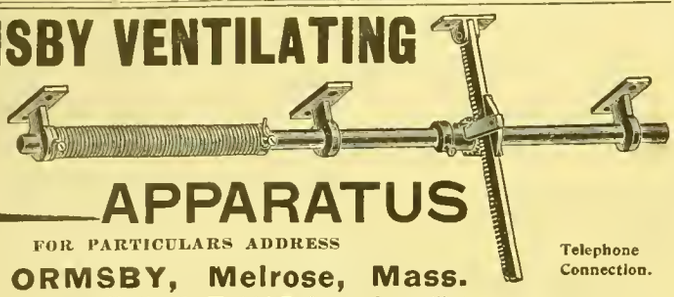
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$5 Makes You a Member of the SOCIETY OF AMERICAN FLORISTS
THE LARGEST ASSOCIATION OF EXPERT HORTICULTURISTS IN THE WORLD.
Supplies at wholesale rates through the Co-operative Purchase Department.
Free registration of new plant introductions.
Dues after first year.... $3.00 annually.
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Next Convention, New York City, August, 1900. Write to Secretary,
WM. J. STEWART, 67 Bromfield St. BOSTON, MASS
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IRON GUTTERS

Parties contemplating using Iron Gutters will do well to note the following extracts from Patent No. 616,781, issued to George M. Garland:

The object of the invention is to provide a valley-gutter for greenhouses which will be so constructed as to combine a stop for the glass and a drip-conductor.

Another object of the invention is to so construct the gutter that the devices for fastening the gutter to supports will be below the weather-face of the gutter, thus avoiding perforations of the weather-face and consequent liability to leakage.

The nails, screws or other fastening devices are passed through the drop flanges and into the lower ends of the roof-beams, so that these fastening devices for connecting the valley-gutter to the roof structure are below the weather-faces of the valley-gutter, and consequently the weather-faces of the valley-gutter need not be perforated, insuring against leakage.

George M. Garland

GEO. M. GARLAND, = = Des Plaines, Ill.
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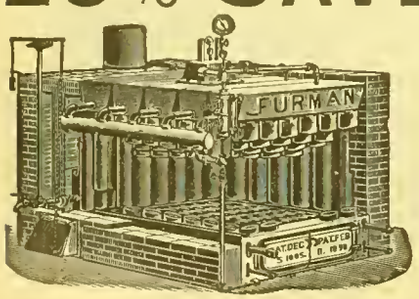

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NEW ENGLAND OFFICE: 54 Oliver St., Boston.
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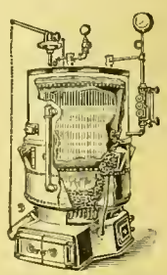
...THE...
Gorton Side Feed Boiler

Is specially constructed so that it will maintain a steady fire all night without attention, which is a very important item to be considered in selecting a greenhouse boiler.
Send for Catalogue and investigate for yourself.
GORTON & LIDGERWOOD CO.,
96 Liberty Street, New York. Mention this paper

Miami, Fla.

The cold wave of February 18 sent the mercury tumbling down with a rush, and we poor "crackers" hunted for overcoats for ourselves and canvas for our tender plants. It was all over in a few minutes, but it spoiled the tender plants that were not protected. Dickerson & Belden had nothing damaged in their slat houses. The little "cracker kids" found it very amusing to break thin ice in tubs and pails. Not so the poor truckers, who, when they saw the mercury going down to the danger line, rushed to their tomato fields and covered all the plants not too large to bend down. Large plants bearing fruit were left to themselves, and some of them fared badly, being chilled so they are worthless. Fifteen miles south of Miami are over 500 acres planted to tomatoes, 250 acres being in one field; these were unharmed by the cold. Some cucumber fields were ruined, others are producing plenty of fine fruit for shipping and the Winter hotels. Orange, grape fruit, lemon and lime trees were unhurt, the cold only affecting very tender plants that were not protected. Pineapples that were shedded were unhurt, but those not protected will lose some of the foliage. But it is not thought that fruit buds are hurt.

Although it is rather early for shipping plants North, Dickerson & Belden are making some large shipments of orchids, Epidendrum venosum, the butterfly orchid, also Cyrtopodium punctatum, the palm orchid.

The Winter hotels are beautifully decorated with growing palms, ferns, crotons, dracænas and other foliage plants.

Cut flowers, such as roses, carnations and narcissus bring a fair price, and are in good demand. The most profit is in pot plants, which the tourists buy and have shipped North for themselves and friends.

Carnations and roses in slat houses are a big success here; the climate seems to suit them. Bride makes a lovely bud, but will show a shade of pink on the outer petals. Bridesmaid is big and full but of very poor color if picked too soon. The bud requires a day after it is matured before being cut, then it is a magnificent rose. PHYLLANTHUS.

Ottawa.

The Market.

Plenty of sun has had a good effect on all crops. Roses are now very good; the only short crop in view for Easter is the carnation.

Pot plants will be just right. Azaleas are almost too numerous for home consumption, but it promises to be a good plant for Easter, so I suppose there will not be many left. Business has been very good; roses bring $1.50; carnations, 50c., and violets, $1.

A great boom in shamrock on St. Patrick's Day was somewhat of an agreeable surprise, but as Ottawa is quite a shamrock city there was a fair stock, although not enough. By 10 a. m. on St. Patrick's Day Scrim had sold out his stock of the "genuine" 450 in 4-inch pots, and then had to fall back on oxalis. Others, also, sold out early in the day.

Our carnationists have now settled down for another year. The Marquis seems to carry a great load on its shoulders; I hope it will not disappoint the many.

The bulb men are now to be seen frequently. E.

Jamaica Plain, Mass.

M. J. Killion, the florist, has temporarily moved his stock into the building occupied as the Cyclers' Cafe, pending the renovation of his own premises.

Chicago.

State of Trade.

Another week of Lent has passed, with stock well cleared off and prices good for the time of the year. Roses are now in fine shape, Beauty arriving in increasing quantities—sufficient for the demand; same in the medium lengths. Bride and Bridesmaid are the best sellers among the teas. Meteor is harder to move, and concessions have to be made to clear out. The present week opens with heavier supplies, owing no doubt to the few warm, sunny days experienced last week; but as it is now cloudy and threatening, the spurt will likely be temporary.

Prices for extra long Beauty will not go beyond $4; the best Bride and Bridesmaid above $8. Good roses are now at $4 to $6, with shorts bringing $2 to $3.

In carnations the stock coming in is still short of the demand, especially of white, and prices are well maintained. Violets do not go above 75c., lots being sold by the thousand at from $2 to $4.

Lilies are not abundant, at $1.50 to $2 per dozen; callas are in fair supply, at $1.25 to $1.50. Narcissus is not so plentiful, and very few Romans are coming in now—some Dutch hyacinths are fairly good, bringing from $4 to $8 for fancy. Valley is in supply sufficient for demands, Kiehm's home-grown stock being still good. Sweet peas are yet scarce, at $1.50 to $2. Smilax is dropping off in supply, the price ranges from $1 per dozen for short to $1.50 for good.

Easter Prospects.

A good Easter trade is confidently predicted, and reports generally indicate a plentiful supply of flowers. Lilies, of course, are a prime factor, both cut and as pot plants. Since the downfall of Harrisii extra fine, tall, many-flowered plants will surely be scarcer than in old times. Most of those to come in will be longiflorum, except from Bassett & Washburn's place, where only Harrisii is grown. There are some lots that will scarcely be ready, even though Easter is late; but there is enough in sight to make lilies a factor of prime importance. Prices anticipated are from $10 to $15 per 100 in first hands. Bassett & Washburn have about half of 30,000 planted yet to flower. E. Buettner is a heavy grower, and a list of ten others before me, growing from one to six thousand plants, should alone furnish a quarter of a million blooms, with smaller quantities grown by hosts of others. Then there are outside shipments, the extent of which it is impossible to estimate.

Rose growers, generally, have good expectations for Easter, some particularly so; hence the outlook for this flower is promising.

Reports anent carnations are slightly more conflicting, but the generality of the big growers say the supply is all right. Peter Reinberg expects to cut 20,000 Easter week. He has high praise for Flora Hill as a white; it is still doing splendidly. Evanston, as usual, is loaded with flowers.

Wietor Bros. say their crop will be good. Triumph, Armazindy and their pink sport will be plentiful. Argyle is never out of crop.

C. L. Washburn, of Bassett & Washburn, is not so sanguine of a big crop; fearing it to come a little after Easter.

All classes of bulbous flowers will be in fair supply, although less than in other years; but no doubt Southern outdoor grown material will be heard from by then. Violets will be abundant.

Flowering plants should be good sellers, and, if rightly managed, should help the smaller growers, as it is a notorious fact that all the big places go into cut flowers exclusively. We repeat what we have often said: The best openings in this city to-day, in a florist's way, are for specialties in up-to-date establishments devoted to growing flowering plants in pots, with side issues in cut flowers, as circumstances might dictate.

Palms will sell well. There is no overstock of azaleas, and none too many good pot roses. Begonias, astilbes, a few benths (don't know of any good hydrangeas), and a few primulas, cinerarias, cytisus, etc, comprise the balance of the goods offered.

Among Growers.

Stollery Bros.' Lilium longiflorum show good growth, but a number of them cannot be got to grow tall. George Stollery says the dwarf strain has a red stem. They are all well budded, with from three to eight flowers on a stem, and are being hurried along irrespective of Easter, as the price is good and room is wanted for bedding plants. This firm has a nice bench of sweet peas for Easter. Argyle carnation is in good form, and seems to do well here.

August Dressel has about 6,000 plants of Lilium longiflorum, not equal to what he used to have, but still fair, as things go. He is just starting up dormant hybrid roses, in readiness against Decoration Day. Carnations are off crop, and will hardly be in good shape for Easter.

Round About.

George M. Garland is having quite a demand for his iron gutters, sending them to all parts of the country, thus showing a briskness in greenhouse building.

The Wieland-Risch Co., of Evanston, will open up, April 2, a wholesale florist's place, at 59 Wabash avenue.

Deamud is receiving some very good Goldfinch carnations.

McKellar & Winterson's is a busy place in the florists' supply line just now. They have issued a complete catalogue of their wares.

The firm of Poehlmann Bros., of Niles Center, is now composed of August F. and John Poehlmann, Adolph H. having retired (not August F., as given in our previous notes). Their salesroom is at 51 Wabash avenue.

J. A. Budlong will begin building three new houses as soon as frost is out of the ground.

Fred. Hills, of Maywood, is sending in some fine sweet peas, and Bride and Bridesmaid roses. He will shortly begin building, including a mushroom shed.

Gus Lange left for New York in time for the rose show, and to obtain some new ideas for Easter.

Vaughan's seed store is showing signs of Spring; buyers are flocking in.

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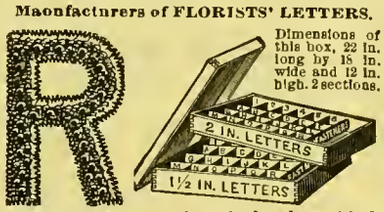

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Roses	A. BEAUTY, fancy—special	15.00 to 25.00	20.00 to 25.00	40.00 to 50.00	.... to	35.00 to 45.00
	" extra	12.00 to 15.00	16.00 to 20.00	25.00 to 35.00	30.00 to 40.00	15.00 to 25.00
	" No. 1	8.00 to 10.00	12.50 to 16.00	15.00 to 20.00	16.00 to 25.00	10.00 to 12.50
	" Culls & ordinary	1.00 to 2.00	4.00 to 8.00	5.00 to 15.00	6.00 to 12.00	3.00 to 8.00
	Bride, 'Maid, fancy—spc'l	6.00 to 10.00	16.00 to 20.00	10.00 to 12.00	.... to	.... to 8.00
	" extra	4.00 to 6.00	14.00 to 16.00	8.00 to 10.00	.... to 6.00	.... to ....
	" No. 1	3.00 to 4.00	8.00 to 12.50	6.00 to 8.00	.... to 5.0	.... to ....
	" No. 2	1.50 to 2.00	4.00 to 8.00	3.00 to 5.00	.... to 4.00	3.00 to ....
	K. A. Victoria	.... to	.... to	4.00 to 8.00	.... to	.... to ....
	La France	3.00 to 6.00	.... to	.... to	3.00 to 6.00	.... to ....
	Meteor	2.00 to 8.00	3.00 to 12.50	4.00 to 10.00	4.00 to 6.00	2.00 to 8.00
	Papa Gontier	.... to	.... to	.... to 3.00	.... to 3.00	2.00 to 5.00
	Perle	2.00 to 5.00	.... to ...	3.00 to 8.00	3.00 to 4.00	2.00 to 5.00
	Souv. de Wootton	.... to	.... to	.... to	.... to	2.00 to 5.00
	ORCHIDS—Cattleyas	35.00 to 50.00	.... to	.... to 50.00	.... to	.... to ....
	Cypripediums	.... to 12.50	.... to	.... to 15.00	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	25.00 to 35.00	.... to	.... to ....
Carnations	Inf'r grades, all colors	.75 to 1.00	1.00 to 2.00	.75 to 1 25	.75 to 1.25	.75 to 1.00
	STANDARD VARIETIES White	1.50 to 2.00	2.00 to 2 50	1.50 to 2.00	1.50 to 2.00	1.00 to 2.00
	STANDARD VARIETIES Pink	1 50 to 2.00	2.00 to 2.50	1.50 to 2.00	1.50 to 2.00	1.00 to 2.00
	STANDARD VARIETIES Red	1.50 to 2.00	2.00 to 2.50	1.50 to 2 00	1.50 to 2.00	1.00 to 2.00
	STANDARD VARIETIES Yel.&Var	1 50 to 2.00	2.00 to 2.50	1.50 to 2 00	1.50 to 2.0	1.00 to 2.00
	*FANCY— White	3.00 to 5.00	3.00 to 4.00	2.00 to 4.00	2.50 to 3.00	2.00 to 3.00
	*FANCY— Pink	3.00 to 5.00	2 50 to 3.00	2.00 to 4.0	2.50 to 3.00	2.00 to 3.00
	(*The highest grades of standard var) Red	3.00 to 5.00	2.50 to 3.00	2.00 to 4.00	2.50 to 3.00	2.00 to 3.00
	(*The highest grades of standard var) Yel.&Var	4.00 to 8.00	3.00 to 4.00	2.00 to 4.00	2.50 to 3.00	2.00 to 3.00
	NOVELTIES	8.00 to 10.00	5.00 to 6.00	3.00 to 5.00	.... to	.... to ....
	ADIANTUM	.50 to .75	.... to 1.00	1.00 to 1.5	.... to 1.00	.75 to 1.25
	ASPARAGUS	35.00 to 50.00	.... to 50.00	35 00 to 50.00	25.00 to 75 00	35.00 to 60.00
	CALLAS	5.00 to 8.00	6.00 to 10.00	8.00 to 12.50	6.00 to 8.00	5.00 to 12.00
	HYACINTHS	1.00 to 2.00	2.00 to 4.00	1.50 to 4 00	2.00 to 3.00	2.00 to 8.00
	LILIES	8.00 to 12.00	14.00 to 16.00	10.00 to 15.0	.... to 10.00	10.00 to 12.50
	LILY OF THE VALLEY	1.00 to 3.00	2.00 to 4.00	2.00 to 4.00	.... to 4.00	2.00 to 3.00
	MIGNONETTE—ordinary	1.00 to 2.00	1.00 to 2.00	1.00 to 3.00	1.00 to 3.00	1.50 to 2.00
	" fancy	2.00 to 5.00	3.00 to 4.00	3.00 to 4.00	.... to	3.00 to 4.00
	NARCISSUS	.50 to 2.50	1.50 to 4.00	2.00 to 3.00	.... to	.... to ....
	SMILAX	10.00 to 18.00	.... to 12.50	15.00 to 20.00	12.00 to 25.00	10.00 to 15.00
	SWEET PEAS	.75 to 1.00	1.50 to 2.00	1.00 to 2.00	.... to 2.0	1.00 to 2.00
	TULIPS	2.00 to 4.00	2.50 to 4.0	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00
	VIOLETS	.15 to .40	.30 to .50	.15 to .40	.30 to .35	.30 to .50
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CROWE'S
Prize-Winning Roses

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And Don't Overlook the Fact That

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Always Have, and Will Have For EASTER,
The FINEST and LARGEST ASSORTMENT

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Bulbous Stock — We Are Celebrated For Our Large Variety.

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...Wholesale Prices of Cut Flowers...

	Names and Varieties	Chicago Mar. 28, '00	St. Louis Mar. 26, '00	Cincinnati Mar. 27, '00	Milwaukee Mar. 26, '00	Pittsburg Mar. 28, '00	Toronto Mar. 28, '00
Roses	A. Beauty, fancy—special	35 00—40.00	....—50.00	....—	25.00—35.00	15.00—25.00	....—35.00
	" extra	25.00—30.00	35.00—40.00	....—	15.00—20.00	12.00—14.00	....—25.00
	" No. 1	10.00—15.00	15.00—25.00	....—	10.00—12.50	8.00—10.00	10.00—15.00
	" Culls & ordinary	4.00— 8.00	6.00—10.00	....—	4.00— 8.00	2.00— 3.00	....—10.00
	Bride, Maid, fancy-spec'l	7.00— 8.00	....— 8.00	7.00— 8.00	8.00—10.00	10.00—12.00	....—12.00
	" extra	5.00— 6.00	....— 6.00	6.00— 7.00	6.00— 7.00	8.00—10.00	....—10.00
	" No. 1	3.00— 4.00	4.00— 5.00	4.00— 6.00	4.00— 5.00	6.00— 8.00	....— 8.00
	" No. 2	....— 2.00	....— 3.00	3.00— 4.00	3.00— 4.00	3.00— 4.00	1.50— 4.00
	K. A. Victoria	....—	....—	....—	....—	....—	....— ....
	La France	6.00— 8.00	....—	....—	....—	....—	....— ....
	Meteor	3.00— 6.00	3.00— 6.00	3.00— 5.00	4.00— 8.00	2.00— 8.00	2.00—10.00
	Papa Gontier	2.00— 4.00	....—	....—	....—	....—	....— ....
	Perle	3.00— 5.00	3.00— 4.00	....— 4.00	4.00— 6.00	2.00— 6.00	2.00— 6.00
	Souv. de Wootton	....—	3.00— 4.00	....—	....—	....—	2.00—10.00
	ORCHIDS—Cattleyas	....—50.00	....—	....—	....—	....—	....—25.00
	Cypripediums	....—	....—	....—	....—	....—	....—10.00
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	Inf'r grades, all colors	1.00— 1.50	1.00— 1.50	....— 1.00	1.50— 2.00	1.00— 1.50	....— 1.50
	Standard Varieties: White	1.75— 2.00	2.00— 2.5	1.50— 2.00	1.50— 2.00	1.50— 2.00	2.00— 3.00
	Standard Varieties: Pink	1.75— 2.00	2.00— 2.50	1.50— 2.00	1.50— 2.00	1.50— 2.00	2.00— 3.00
	Standard Varieties: Red	1.75— 2.00	2.00— 2.50	1.50— 2.00	1.50— 2.00	1.50— 2.00	2.00— 3.00
	Standard Varieties: Yel. & Var.	1.50— 2.00	2.00— 2.5	1.50— 2.00	1.50— 2.00	1.50— 2.00	....— ....
	*Fancy— (*The highest grades of standard var) White	3.00— 4.00	....— 3.00	3.00— 4.00	3.00— 4.00	2.50— 3.00	....— 4.00
	*Fancy— (*The highest grades of standard var) Pink	3.00— 4.00	....— 3.00	3.00— 4.00	3.00— 4.00	2.50— 3.00	....— 4.00
	*Fancy— (*The highest grades of standard var) Red	3.00— 4.00	....— 3.00	3.00— 4.00	3.00— 4.00	2.50— 3.00	....— 4.00
	*Fancy— (*The highest grades of standard var) Yel. & Var.	2.00— 3.00	....— 3.00	3.00— 4.00	3.00— 4.00	2.50— 3.00	....— 4.00
	Novelties	....—	....—	....—	....—	....—	....— 5.00
	Adiantum	.50— 1.00	....— 1.00	.50— 1.00	....— .75	1.00— 1.25	....— ....
	Asparagus	40.00—50.00	....—	40.00—50.00	....—	35.00—50.00	30.00—50.00
	Callas	10.00—12.00	8 00—12.50	....—10.00	10.00—12.50	8.00—10.00	4.00—10.00
	Hyacinths	2.00— 3.00	2.00— 4.00	....—	....—	....—	2.00— 7.00
	Lilies	12.00—15.00	10.00—12.50	12.00—15.00	....—	8.00—12.00	....—10.00
	Lily of the Valley	3.00— 4.00	....— 3.00	3.00— 4.00	....—	2.00— 4.00	2.50— 4.00
	Mignonette—ordinary	2.00— 5.00	....—	....—	....— 2.00	1.00— 2.00	2.00— ....
	Mignonette—fancy	....—	....—	....—	....— 3.00	3.00— 4.00	....— 6.00
	Narcissus	2.00— 3.00	....— 2.50	2.00— 3.00	....—	....—	2.00— 5.00
	Smilax	10.00—12.50	12.50—15.00	15.00—18.00	....—15.00	12.00—20.00	15.00—25.00
	Sweet Peas	1.50— 2.00	.50— 1.00	....— 1.00	....— 1.00	1.00— 1.50	....— ....
	Tulips	2.00— 4.00	2.00— 4.00	....—	2.00— 4.00	2.00— 4.00	1.50— 4.00
	Violets	.20— .40	.20— .30	....— .25	....— .50	.20— .30	....— .50
	Violets—special	60— .75	....— .50	....— .50	.75— 1.00	.50— .75	....— 1.00

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Just right to ship for Easter. 6 inch pots.

500 Spirea,	$2.00 per doz., and larger flats,	$3.50
1000 Tulips,	tournesol yellow and red, per 100,	10.00
1000 Hyacinths,	mixed, fine..... "	10.00
1000 Daffodils,	Von Sion, 3 and 4 in. pots "	10.00
Genista,	just right for Easter, 4 in., per 12,	1.50
"	in 5 in. pots..... "	3.00
Cineraria,	choice colors, 6 in..... "	2.00
Periwinkle,	4 in. pots, bushy.....per 100,	9.00
Rex Begonia	Boz, 4 in. pots.....per doz.,	2.40
Cryptomeria Japonica,	4 in. pots... per 12,	3.00
Alyssum,	dbl., for cut, ex. large, 2 in., per 100,	3.00
"	very dwarf, fine, out of 2 in... "	3.00
Periwinkle,	2 in., out of pots..... "	3.00
Bridal Rose,	in 6 in. pots, in bloom.... per 12,	6.00
Daisies,	6 in. pots, white..... "	2.00
"	" " yellow..... "	2.00

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Exceptionally good stock.

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New Imperial Violet

From 2-inch pots; $3 per 100; $25 per 1000.

Satisfaction Guaranteed.

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COLOR—The darkest blue grown.

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50	BRONZE LEUCOTHOE SPRAYS,
500	FANCY FERNS,
500	DAGGER FERNS,
25	PALMETTO LEAVES,
25	EASTER PALM LEAVES,
100	CALVARY LEAVES.

Value, $5.50, **for $3.00** Cash.

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Containing the following:

1000	GREEN GALAX,
1000	BRONZE GALAX,
100	GREEN LEUCOTHOE SPRAYS,
100	BRONZE LEUCOTHOE SPRAYS,
1000	FANCY FERNS.
1000	DAGGER FERNS,
50	PALMETTO LEAVES,
50	EASTER PALM LEAVES,
250	CALVARY LEAVES.

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New early white **POLY ROSE,** $4.00 per 100.

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New Early Yellow Chrysanthemum.

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Laurel Festooning for decorations, 4 to 7c., none better to the market. **Prince's Pine** by the 100 lbs., $3.50. **Galax Leaves,** bronze or green.

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EASTER SPECIALS

Evergreen, Laurel or Hemlock Roping, 3c. to 6c. per yd.

Evergreen, 4c. per lb.; Laurel, 2½c. per lb.

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The Best Sphagnum Moss on the market, 50c. per bbl.

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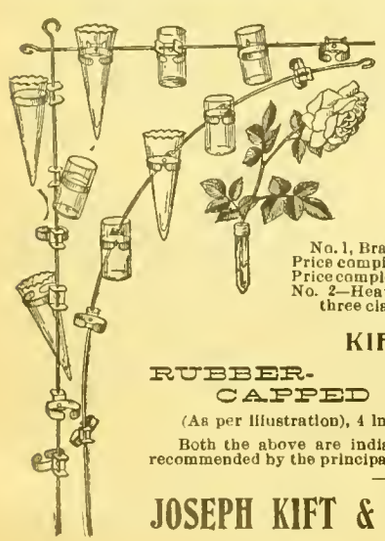

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RUBBER-CAPPED **FLOWER TUBES**

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Special Inducements to a Grower who can Consign Me a Daily Supply of BULBOUS STOCK.

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IT has all the habits, grace and fragrance of

THE AMERICAN BEAUTY

(of which it is a sport)

But has the fine

Pink Color

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It is the famous NEW ROSE—the long-looked for

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There was the new American Beauty, a rose as large and as well formed as its darker sister, and of a delicate pink color. Many of the patronesses stopped before the great clusters of this new flower and expressed the greatest admiration for its beauty and its gracefulness. There are many who regard it as more beautiful than the well-known rose from which it has developed.

N. Y. Times.

The novelty of the exhibition was the long-looked for pink American Beauty, of which so much has been said, and which has never been shown before. Its history is an interesting one, and shows how fortunes come accidentally to the rose grower as they do to some other toilers. Four years ago, in a house devoted to the propagation of American Beauties, at Edgely, Penn., by the Floral Exchange Company of Philadelphia, a freak made its appearance. To rose growers it was called a "sport," and its growth was carefully watched.

Soon a small pink bud made its appearance, the only blonde in that household of lovely brunettes. Modestly it unfolded, and then its growth for four years under special conditions was as carefully looked after as the most delicate child. It grew and thrived, and last night the queenly blonde received homage from her courtiers. The American Rose Society awarded it a certificate, which means that she is lovely as well as a debutante. She will not stoop to trade until next Spring, when in the busy marts she will vie for favor with her brunette sister. All this is the result of an accident that even the growers do not attempt to explain. It was their luck, they say, that is all.

N. Y. World.

The Queen of Edgely, a cousin to the American Beauty, has created a furore. Mrs. Morris K. Jesup, Mrs John Trevor, Mrs. A. A. Jolline have all sworn allegiance to the reigning sovereign, which bids fair to hold unquestioned sway. The rose is of a pale pink hue, infinitely soft in effect in decorations. It is a baby queen, a novelty, without a rival and therefore not eligible for a prize.

N. Y. Sun.

A vase of huge pink Queen of Edgely roses, the biggest rose shown, and a variety of the American Beauty.

New Yorker Herold (German).

The highest triumph of the exhibition was the new pink American Beauty "Queen of Edgely," from the nurseries of the Floral Exchange, Philadelphia and Edgely, Pa. This rose, when fully expanded, measures 6 to 7 inches, and is queen of queens among roses.

This Rose originated at the nurseries of THE FLORAL EXCHANGE, EDGELY, PA., four years ago, and has been under careful and continuous observation since that time. This Rose we can strongly recommend, and we will be ready to distribute it in Spring of 1901.

Address all communications to the office of **THE FLORAL EXCHANGE, Inc., 335 No. 6th St., Phila., Pa.**

60,000 WINTER FLOWERING ROSES

GRAFTED AND ON THEIR OWN ROOTS

SEND FOR PRICES

J. L DILLON, BLOOMSBURG PA.

300,000 FINE YOUNG ROSES

From 2½ Inch Pots.

40,000 FINE LARGE TWO-YEAR-OLD ROSES.

FULL GENERAL STOCK.

See our ad. in last week's issue of this paper, page 295, or write for list.

THE NATIONAL PLANT CO., Dayton, Ohio.

ROSE PLANTS. From 2½ in. pots.

	Per 100	Per 1000		Per 100	Per 1000
Meteor	$3.00	$25.00	Perle	$3.00	$25.00
Maid	3.00	25.00	La France	3.50	30.00
Bride	3.00	25.00	Kaiserin	4.00	35.00

This cancels prices on pot plants in advertisement, page 322.

GEORGE REINBERG, - 51 Wabash Ave., Chicago, Ill.

FIRST.. ..CLASS AMERICAN BEAUTIES.

NOW READY TO SEND OUT AND THE BEST LOT OF PLANTS I EVER GREW. 2 AND 3 INCH POTS

$6.00 per 100; $50.00 per 1000.

JOSEPH HEACOCK, Wyncote, Pa.

Smilax Plants.

Extra Strong Plants out of 2½-inch pots, $2.50 per 100. Cash with order.

WILLIAM SCHWEINFURTH, Ridgewood, N. J.

THE PINEHURST NURSERIES,

OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.

Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda nitida, Futhergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Dionæa muscipula, Lupinus diffusus, Phlox subulata, Sarracenias, etc., etc. **Ask for Trade Lists.**

Philadelphia Prize Stock Roses

AMERICAN BEAUTY: KAISERIN:

Strictly first-class stock out of 2½ inch pots

FIRST PRIZE FOR AMERICAN BEAUTIES AT THE AMERICAN ROSE SOCIETY SHOW.

MYERS & SAMTMAN, Chestnut Hill, PHILA., PA.

Mention the Florists' Exchange when writing.

MUST HAVE ROOM!

I will sell **300 Perle, 300 Bridesmaid,** and **400 Budded Roses,** 2½ in. pots, at 2½ cts., healthy and need shifting.

Also an upright boiler and base, complete. I used it to heat 3 carnation houses, 90 x 18 ft., in good condition, $50.00. I have also a locomotive type boiler, about same capacity; will sell cheap.

W. B. JOBES, Florist, Bordentown, N. J.

ROSES.

Well established plants from 3-inch pots; average 6 inches high.

	100	1000
Bride	$6 00	$50 00
Bridesmaid	6 00	50 00
Meteor	6 00	50 00
Perle	6 00	50 00
American Beauty	8 00	
Meteor	8 00	

Sample by mail for 10 cents.

W. T. & F. P. BUTZ, - New Castle, Pa.

CYCLAMEN

5 to 6 leaves, transplanted, finest strain, extra,

$4.00 Per 100; $35.00 Per 1000.

CASH.

EDWIN A. SEIDEWITZ, 36 W. Lexington Street, **Baltimore, Md.**

Mention the Florists' Exchange when writing.

AM. ARBOR VITÆ

Handsome specimens, from 4 foot nursery rows, several times transplanted,
Symmetrical, well filled, 4 to 5 ft., only $8.00 a 100
" " 3 to 4 ft., " 6.00 "
Immense quantities in smaller sizes.
Send for Trade List.

Jenkins Evergreen & Seedling Nursery,
WINONA, Columbiana Co., OHIO.

Mention the Florists' Exchange when writing.

2,000 APPLE TREES

5 to 7 feet; ¾ inch up.
General Selection.

—ALSO—

500 YORK IMPERIAL,
200 BEN DAVIS,
300 Grimes Golden,
150 Mam. Blackturg,
250 Jonathan.
} 2 year, 5 to 6½ feet, ⅝ to ¾. Handsome trees.

The Above will all be Sold at a Bargain.

C. L. LONGSDORF, Floradale, Pa.

Mention the Florists' Exchange when writing.

MYRTLE

FOR CEMETERY AND CARPET WORK.
The largest stock in the country.

Rooted cuttings by mail, prepaid, per 100, 70c.; per 1000, $4.50. Large field grown clumps, per 100, $6.00.

Divided **Dahlias**, roots, 15 best kinds, all colors, mixed, per 100, $3.00.

Tuberoses, 3 to 4 inch, should blossom this season, per 100, 60c.; per 1000, $4.50. 1½ to 3 in., per 1000, $3.00; ⅝ to 1½ in., per 1000, $2.00.

Sweet William, clump, transplanted in Sept., per 100, $4.00; per 1000, $35.00.

Asparagus, Palmetto, 1 yr., per 100, 60c.; per 1000, $4.00. 3 yrs., per 100, 75c.; per 1000, $6.00.

Rhubarb, Victory, 1 yr., assorted, per 100, $4.00. Smaller, per 100, $2.00.

California Privet, bushy, 2 to 3 ft., per 100, $4.00; 1½ to 2 ft., $3.50.

All f. o. b. New York express or freight. Cash with order.

F. A. BOLLES, E. 10th St., Near Ave. L.
LAWNWOOD, BROOKLYN, N. Y.

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM
PÆONIES, BLEEDING HEART
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing

AZALEAS

Blooming Plants for Easter.

Large and shapely plants, all the best varieties only. $7.00 per dozen.

For other Stock, see ad., page 318.

WHITTON & SONS, City and Green Streets, Utica, N.Y.

Mention the Florists' Exchange when writing.

TREES! TREES!

Norway, Sugar and Silver Maples
Norway Spruce and Arbor Vitæ.

WM. J. CHINNICK, Trenton, N. J.

Mention the Florists' Exchange when writing.

Grape Vines

Descriptive and Price List free.
Currants, Gooseberries and other Small Fruit Plants. Extra quality. Warranted true.
T. S. HUBBARD CO., FREDONIA, N. Y.

Mention the Florists' Exchange when writing.

Antigonon Leptopus Vine

A specialty with us. Heavy roots, 1 year old, 50c. a doz. Medium roots, 1 year old, $1.50 a 100. Small roots, for 2½ or 3 in., or growing on in the open ground, postpaid, $1.25 a 100. All from open ground. Order at once and plant out early to hasten blooming period.

THE BROOKS SISTERS, Sorrento, Fla.

Mention the Florists' Exchange when writing.

TREE SEEDLINGS.

Am. White Ash, Green Ash, Am. Beech, Berberry, White Elm, Red Elm, Catalpas, Black Locust, Box Elder, Sugar Maple, Russian Mulberry and 30 others.

Prices low. Special quotations on any of the above species. Catalogue free. Address

Snowflake Nurseries, SNOWFLAKE, MICH.

Mention the Florists' Exchange when writing.

Clematis Paniculata

EXTRA TWO-YEAR.

WHITING NURSERY CO.,
457 Blue Hill Ave., Boston, Mass.

Mention the Florists' Exchange when writing.

SHRUBBERY.

200	Hydrangea P. G., 2 to 2½ ft.....at	7 cts
40	" " 6 yr. heavy...	15 "
200	Golden Mock Orange, 2 to 2½ ft.	7 "
50	Forsythia Viridissima, "	5 "
100	Althæa, dbl. red. 2½ to 3 ft.....	7 "
25	" blush "	7 "
50	Japan Snowball, "	10 "
25	Common Snowball, "	7 "
20	Weigela Rosea, 5 ft. heavy	10 "

W. P. BRINTON, Christiana, Pa.

Mention the Florists' Exchange when writing.

MAPLES AT ½ PRICE.

SILVER or SOFT.	Per 10	Per 100
9 to 10 feet, 1¼ inch diameter.....	$1 00	$6 00
10 to 12 " 1¼ to 1½ in. diameter....	1 00	7 50
12 to 14 " 1½ to 1¾ in. "	1 50	10 00

Other sizes up to 6 in.; prices on Catalog mailed free.

Norway, Sugar, and other Maples, Oaks, Oriental Planes, etc. Japanese and other rare Evergreen Trees.

New Shellbark Hickory Nut, "HORNOR'S SPECIAL," 10 acres in orchard; straight, handsome, nursery-grown trees, 5 to 6 feet.

CHAS. B. HORNOR & SON, Mount Holly, Burlington County, N. J.

Mention the Florists' Exchange when writing.

5,000 Large-Flowered Clematis.



CLEMATIS JACKMANNI.

TWO-YEAR FIELD GROWN PLANTS,
$12.00 PER HUNDRED.

(Sample mailed for 15 cts.)

JACKMANNI,
Mme. ED. ANDRE,
RAMONA.

O. H. DREW, Hibernia, N. Y.

Mention the Florists' Exchange when writing.



Insertion will be given in this column to all communications free from animus, but the opinions expressed do not necessarily reflect our own.

The Ideal Carnation.

Editor Florists' Exchange.

The ideal carnation has not yet been produced. We are all striving for this end; but should our ideals be fully realized, would we be content to stand still and be satisfied with the results achieved? I think not. Should my ideal of a perfect carnation be fully realized, I would at once set up a higher standard, and strive as hard as before to attain it, and having reached it again, would shift it still higher.

Everybody, I presume, has an ideal, and mine of the carnation is a stem ranging in length from 3 to 4 feet, strong enough to carry a 4 to 5-inch flower perfectly erect. In form, the perfect hemisphere seems to be the standard of most judges, yet I would not be adverse to a deviation from this rule, so long as the artistic aspect of the flower, and its popularity, would make the deviation no hindrance to its selling or shipping qualities.

Color is to a very large extent problematical, and affords certainly a wide field for honest differences of opinion to exist. After all, however, we must be guided by the popularity of any color, according to the esteem in which it is held by the buying public.

The calyx should break evenly at every point, but it need not necessarily be of the Albertini type. We have many examples of a good calyx, just as good as that of Albertini, yet differing very much in appearance. I believe that any calyx which breaks evenly at every point, and confines the petals firmly and in good form, should be entitled to a high score. It was on this point that the Chicago judges erred most in awarding 100 points to Enquirer. Any one could tell at a glance that it should not have received more than three points for calyx.

A 4-inch flower on a 3-foot stem would indeed be beautiful, providing other points were in keeping with stem and size. A 5-inch flower on a 4-foot stem would be more beautiful, but both these are still in the distance. We have not attained Thorpe's ideal. Four-inch flowers have been produced in plenty, but they always lack the 3-foot stems and other features in proportion.

I believe that too many points are awarded for substance. Those varieties which score high on substance are usually the ones which are the first to go to sleep. This has been my experience in noticing seedlings, and doubtless others have observed similar traits in the work of raising seedling carnations. There are a few exceptions to this rule, however, but in the majority of cases the very heavy flower will be the first to go to sleep, other things, such as cutting, development, etc., being equal. Ten points could be taken from substance and five each be given to odor and calyx; this, I believe, would make our scale more perfect, and bring out the essential points of the carnation better than is done by the present one.

In conclusion, I believe it to be quite impossible for a variety to score 100 points if judged rigorously by our present scale. Furthermore, I believe that after 90 points have been fairly allotted additional points should be awarded with great care and deliberation. There is plenty of room to go on into decimals at this stage, and the nearer to 100 we come the greater should be the consideration before awarding points.

WM. WEBER.

The Dutchess County Horticultural Society meets at Poughkeepsie, N. Y., Wednesday, April 4. The schedule for the Autumn exhibition will be submitted. Subjects for discussion are: Grafted Roses for Inside; Pruning and Spraying Fruit Trees and Violets. Clarence Reynolds will talk on "Some Experiences in the West Indies."

The Following Plants

Out of 2½ in. pots, ready about May 1,
$2.50 per 100; $20.00 per 1000.

400 Salvia Splendens,
500 Alyssum (Little Gem),
400 Ten-Weeks Stock,
500 Centaurea,
500 Maurandya.
500 Lobelia (Crystal Palace),
500 Kenilworth Ivy,
800 Petunia (single),
400 Myosotis.
And other plants. CASH.

B. F. MUSCHERT, - - Penn Valley, Pa.

Mention the Florists' Exchange when writing.

NICE, CLEAN STOCK, A No. 1.

50,000 COLEUS 40 to 60 named, fancy varieties, $1 per 1000, by express; 65 cts. per 100, by mail; three best yellows, $6.00 per 1000, by express; 75 cts per 100, by mail.

CARNATIONS Cartledge, Wm. Scott, Eldorado, Tidal Wave, Puritan, Kittie Clover, Portia, McGowan, Louisa, Dr. Warder, $10 per 1000; $1.25 per 100. Mary A. Baker, Liberty, Duke of York, $40 per 1000, $5 a 100.

Campbell and California Violets, Giant Double Alyssum. Nice, clean, healthy stock, well rooted, $1 per 100, by mail.

Cash with order, please.

E. J. CLOUD, L. B. 32, Avondale, Pa.

Mention the Florists' Exchange when writing.

COLEUS

	100	1000
Crimson Verschaffelti, Golden Bedder and Golden Queen	$0.75	$6.00
10 variety	.60	5.00
Ageratum, blue and white	.60	
" Princess Pauline	.75	
Giant Sweet Alyssum	.60	
Double Petunias, 30 varieties	1.25	
Salvia Splendens and Bedman	1.00	
Heliotropes, 12 varieties	1.00	
" 2 inch pots	2.00	
Alternantheras, P. Major and A. Nana, from soil	.60	5.00

Special price on large orders. Plants by the 100, by mail, prepaid. The above are rooted cuttings.

Cash with order.

C. A. HARRIS & CO., DELANSON, N Y.

Mention the Florists' Exchange when writing.

CONSIDER THE GERANIUMS

HOW THEY GROW!

Every Florist Should Have These Fine Sorts.

NOW IS THE TIME TO BEGIN.

Frances Horn. Petals deep carmine lake, center marbled white.

A. V. Gerbig. Bright apricot salmon, shading much deeper toward center; distinct white eye.

Cresco. Color a little lighter than the above, larger florets, 2 to 2½ inches in diameter.

Grandma Miller. Enormous trues, bright scarlet, with distinct crimson veins.

Strong plants, from 2½-inch pots, 25 cents. The 4 for 90 cents; $2.50 per doz.

C. H. GERBIG, - Archbald, Pa.

Mention the Florists' Exchange when writing.

Unequaled Varieties VERBENAS Vigorous Stock.

		100	1000
Best Mammoths,	strong pot plants	$3.00	$25.00
" "	rooted cuttings	1.00	8.00
Older "	"	.75	6.00
" "	strong pot plants	2.50	20.00

ROOTED CUTTINGS CARNATIONS VIGOROUS STOCK

General Maceo, G. H. Crane, $6.00 per 100 $50.00 per 1000.

American, Melba, Gen. Gomez, 75c. per doz.; $5.00 per 100; $40.00 per 1000.

White Cloud, Gold Nugget, $1.00 per 100; $30.00 per 1000.

Boo Ton, New York, Jubilee, Francee Joost, $2.50 per 100; $20.00 per 1000.

Flora Hill, Eldorado, Alaska, Jabo's Scarlet, Sea Shell, Victor, $2.00 per 100; $15.00 per 1000.

Alaska, Lizzie McGowan, Wm. Scott, Portia, $1.50 per 100; $12.00 per 1000.

Rooted CHRYSANTHEMUMS Cuttings

Send for list of 90 best Varieties.

ROSES.

Bridesmaid, Boo Sileac, Catherine Mermet, Duchess of Albany, Golden Gate, Maid of Honor, Perle des Jardins, Pres. Carnot, Sunset, The Bride, from 2¼ in. pots, $5.00 per 100, $40.00 per 1000.

MISCELLANEOUS.

	100	1000
Anthemis, Double Golden Marguerite	$2.00	
Ageratum, blue and white	1.00	$8 00
" Princess Pauline	1.50	
Coleus, all leading sorts	1.00	8.00
Fuchsias, double and single	2.00	15.00
Feverfew	1.50	12.00
Heliotrope, light and dark	1.25	10.00
Impatiens Sultani	2.00	
Moon Vines, true	2.00	15.00
Salvias, Splendens and Bedman	1.25	10.00

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

FERNS AND FERN SPORE

ALL BEST FLORIST SORTS.

FERN SPORE 35 cts. per pkt.; $4.00 per 12. A packet will grow from 400 to 600.

FERNS from flats, $1.75 per 100; 2 inch pots, $3.50 per 100; 3 in. pots, $6.00 per 100; **Boston**, 15 to 75 cts. each. All in good condition.

EDW. D. DROWN, Weldon, Pa.

Mention the Florists' Exchange when writing.

ASPIDISTRA

Nice pot plants, 8 to 10 leaves, 5 cts. per leaf.

Carnations, John Young, New York, Eldorado, $1.50; G. H. Crane, $6.00; White Cloud, $4.00; Mrs. Jas. Dean, $3.00 per 100.

Uarooted John Young and New York, $6.00 per 1000.

Echeveria Secunda Glauca, young stock to give good plants till spring, 50c. per 100. Cash, please.

WILLIAM STUPPE, Hollis, L.I., N.Y.

Mention the Florists' Exchange when writing.

PETUNIAS, DOUBLE FRINGED,

FINE ASSORTED, 2 IN., $2.00 per 100.

	100
Parlor Ivy, 2 inch	$2.00
Selaginella dent., 2 inch	2.00
Yellow Coleus, 2 inch	1.50
Geraniums, Mixed	2.75
Mad. Salleroi, 2 inch	2.00
Smilax Seedlings	.50

EXTRA LOW RATES.

E. I. RAWLINGS, - Quakertown, Pa.

Mention the Florists' Exchange when writing.

FLOWERING BEGONIAS

25 sorts, Metallica, Argentea Guttata, Glaucaphylla Scandens, the great hanging basket variety, Etc., $1.50 per 100, postpaid; $12.50 per 1000, by express.

Fuchsias New Batch of **Single** and **Double Fuchsias**, cuttings now ready, 25 best sorts, labeled, $1.25 per 100, postpaid; $10.00 per 1000.

Also **DOUBLE PETUNIAS**, labeled, same price.

Clematis Paniculata Transplanted, $2.00 per 100, postpaid.

Madeira Vine Roots Strong, plump tubers, 50 cts. per 100; $4.00 per 1000.

SATISFACTION GUARANTEED.

A. B. DAVIS & SON, Purcellville, Va.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Bessie Burton	**Mrs. John J. Glessner**
Bonnaffon	**Modesto**
Cullingfordii	**Mrs. S. T. Murdock**
Glory of Pacific	**Mrs. O. P. Bassett**
Ivory	**Nivens**
J. H. Woodford	**Rose Owen**
Minerva	**The Queen**
Mme. F. Bergmann	**Mrs. J. G. Whilldin**
Miss Minnie Wanamaker.	

And others from 2½ in. pots, $2.00 per 100, $15.00 per 1000

HARDY POMPON CHRYSANTHEMUMS in 10 named varieties, 2½ in. pots, $2.00 per 100; $15.00 per 1000. 10 named varieties rooted cuttings, $1.00 per 100; $7.50 per 1000.

CARNATIONS.

Bon Ton **McGowan** **Portia**
New York **Wm. Scott**

2½ in. pots, $2.00 per 100; $15.00 per 1000.

Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

UNITED STATES EXOTIC NURSERIES

Please send cash with order or furnish satisfactory trade references, if not already an account with us.

BOSTON FERNS 2 in. pots, $5.00 per 100; $40.00 per 1000; 4 in pots, $10 per 100; 6 in. pots, $9 per doz.; 8 in. pans, $12 per doz.; 8 in., extra strong, $18 per doz.; extra fine large specimen plants, $3 to $5 each.

KENTIA BELMOREANA Home-grown, 3 inch pots, 25 cts.; 4 in., 50 cts.; 5 in., 75 cts.; 6 in., $1.50; 7 in., $3.00 each.

KENTIA FORSTERIANA 3 inch, 25 cts. each; 4 inch, 40 cts. each.

CYCLAMEN Persicum Giganteum, 3 inch pots, in bud, $8.00 per 100.

EUCHARIS AMAZONICA $12.00 per 100 bulbs.

CARNATION CUTTINGS Flora Hill, $1.50 per 100; $10 00 per 1000. Scott, $1.00 per 100; $8.00 per 1000. Jubilee, $2.00 per 100; $15.00 per 1000. Pingree, $1.00 per 100; $8.00 per 1000.

EASTER LILIES Harrisii and Longiflorum. Extra fine, healthy plants, in bud for Easter flowering, $12.00 per 100 buds; $100.00 per 1000 buds.

U. S. EXOTIC NURSERIES,

Telephone 10 B, Short Hills. **SHORT HILLS, N. J.**

Mention the Florists' Exchange when writing.

MONEY!

	Per 100
IN EARLY CORN FLOWERS— Large Plants from open ground	$2 50
COREOPSIS LANCEOLATA, large plants from open ground	2 50
FRENCH DWARF CANNAS, mixed	2 00
NYMPHÆA, DAHLIAS, large roots	5 00
MIXED DAHLIAS	3 00
CHRYSANTHEMUM Glory of Pacific	2 00

CASH WITH ORDER.

W. P. CARRE, Mantua, N. J.

Mention the Florists' Exchange when writing.

PANSIES.

The Jennings Strain.

Extra fine stocky plants, from cold frames, in bud and bloom, $1.50 per 100, by express.

Small plants, $3.50 per 1000, by express; 60 cts. per 100, by mail.

Extra fine **Pansy Blooms**, $3.00 per 1000.

SAMPLES 10c. CASH WITH ORDER.

E. B. JENNINGS, Lock Box 254, **Southport, Conn.**

Grower of THE FINEST PANSIES.

Mention the Florists' Exchange when writing.

Pansies Worth Raising

Good Plants, $4.00 per 1000; $2.50 per 500.

Extra Large Transplanted Plants in bloom, as good as in spring, $2.50 per 100.

☞ F. O. B. Express here. Cash with order.

C. SOLTAU & CO., 199 Grant Ave., Jersey City, N. J

Mention the Florists' Exchange when writing.

PANSIES

Roemer's Superb Prize Pansies, extra large, transplanted plants, from cold frames, in bud, mixed colors,

$1.50 per 100; $12.00 per 1000.

Seedlings, fine stocky plants, from fall cold fames, 50c. per 100; $3 per 1000. Cash with order.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

PANSY PLANTS

Of my largest flowering mixture of **Show Varieties.** Unsurpassed quality. Fine stocky plants, $3.00 per 1000. Large, bushy transplanted plants in bud and bloom, $1.00 per 100; $8.00 per 1000; 500 at 1000 rate.

GUSTAV PITZONKA, - Bristol, Pa.

Mention the Florists' Exchange when writing.

Aster Seed. **New Branching.** Choice strain saved from the finest double flowers, white, pink, lavender and crimson; large proportion white and pink, per ¼ oz., 20 cts.; per oz, 75 cts.; postpaid.

California Violet. Well rooted runners, 50 cts. per 100, postpaid; $3.50 per 1000, express.

E. A. WALLIS, - - Jenkintown, Pa.

Mention the Florists' Exchange when writing.

Special! Cash Bargains!!

PALM SEEDS, KENTIA, BELMOREANA, Per 100, 75c.; per 1000, $4.00. Per case of 3500, $13.50.

MUSHROOM SPAWN, fresh, best English, Per 100 lbs., $6 00.

Excelsior Double Pearl Tuberoses, Extra Size, 4½-6,

IN LOTS NOT LESS THAN 1000,

Per 1000, $6.00; but few left unsold.

Just received, finelots of Roses, Rhododendrons, Azaleas, Clematis, Standard Roses in sorts, Standard Ulrich Brunner, Standard Hydrangeas, Spring Bulbs, Etc. Send for Catalogue.

C. H. JOOSTEN, Importer,

85 Dey Street, NEW YORK.

BEGONIA VERNON.

Five inch pots, very fine and full of flowers, $2.00 per dozen.

SMITH'S HYBRID MOONVINES.

Largest and earliest white blooming in the country, at the rate of $5.00 per 100 plants.

☞ For other stock, see adverlisement page 318.

All orders received by mail will be given the same careful attention as though buyers selected stock personally.

Godfrey Aschmann, 1012 Ontario St., RISING SUN, **Phila., Pa.**

Best Quality at Lowest Rates.

ROMAN HYACINTHS,

NARCISSI, FREESIA,

and other French Bulbs for forcing.

BERNARD SON, 29 Boulevard du Musée **Marseille, France.**

Bulb Grower and Exporter.

Established 1872. Bulbfields-Hyères, Ollioules.

WHOLESALE ONLY.

TUBEROSES=The Pearl

	Per 1000
A1 Bulbs, free on cars, New York City	$6.00
No. 2 " " " "	3.00

500 at 1000 rate.

HULSEBOSCH BROS., Englewood, N. J.

Mention the Florists' Exchange when writing.

CLADIOLUS BULBS

	100.
Augusta, white with blue anthers, size No. 2	$3.50
May and Eugene Scribe, size No. 2, each	1.50
Mrs. Beecher and Amalthee, size No. 1, each	3 00
Reine Blanche, size No 1	1.50
Marie Lemoine (Orchid marked), size No. 1, 75 cts. per 100; $5.00 per 1000.	
White and Light, mixed, size No. 1, $1.50 per 100; $10.00 per 1000 Size No. 2, $1.00 per 100; $7.50 per 1000.	
Mixed Seedlings, sizes 1, 2, 3 and 4, prices on application. Cash, please.	

JOHN FAY KENNELL, Box 405, Rochester, N. Y.

Mention the Florists' Exchange when writing.

AMERICAN BULB COMPANY,
SHORT HILLS, N. J.

HEADQUARTERS FOR BULBS

Mention the Florists' Exchange when writing.

GLADIOLUS Flowering Bulbs.

Saundersoni crosses; fine growers producing large, bright, showy flowers. New, of my originating.

Alma, clear bright rose.
Knte, rose with white blotch.
Leo, bright orange with white blotch.

Prices, 15 for $1.00; 100 for $5.00. Postpaid.

DAVID B. WOODBURY, So. Paris, Me.

Mention the Florists' Exchange when writing.

Danish Cauliflower Seed

Early Dwarf Danish Snowstorm, selected up and grown by the leading specialist of Denmark. Always uniform; fine large white heads, early. No better seed offered at any price.

One Quality Only, The Best.

$2.50 Per Ounce. Per Ounce, $2.50.

A. E. WOHLERT, Importer, **Altoona, Pa.**

Mention the Florists' Exchange when writing.

PALM SEEDS

FRESH ON HAND.

	100	1000	3000
Phœnix Tenuis	$0.75	$5.00	$13.50
" **Pumila**	1.00	8.00	22.50
Pandanus Utilis	1.25	10.00	27.50
Asparagus Plum. Nanus, true	1.25	9.00	26.50
" **Sprengeri**	.75	6.50	18.00

L. J. SCHILLER, 404 E. 34th Street, New York.

Mention the Florists' Exchange when writing.

COX SEED CO.

Wholesale Seedsmen

14 & 16 Ninth Ave., **NEW YORK.** 411, 413, 415 Sansome St. **SAN FRANCISCO.**

Mention the Florists' Exchange when writing.

LILY OF THE VALLEY

Still left, several thousand A1 Pips at reduced prices. Also orders taken for fall delivery at C. Woelk's, Newell Ave., Williamsbridge, N. Y., or direct from grower, Mr. Hellige Ludwigslust, Mecklenburg, Germany. Samples and prices on application to

CHAS. WOELK, Newell Ave., near Elizabeth St. Williamsbridge, New York City.

Mention the Florists' Exchange when writing.

Excelsior Pearl TUBEROSE Bulbs,

No. 1, 4 to 6 in. circumference, $5.00 per 1000.
No. 2, 3 to 4 in. circumference, $2.50 per 1000.

Caladium Esculentum Bulbs,

4 to 5 inch circumference, $5.00; 5 to 7 in., $10.00; 7 to 9 inch, $22.00; 9 to 11 inch, $35.00 per 1000, F. O. B. cars.

JNO. F. CROOM & BRO., Magnolia, N. C.

Mention the Florists' Exchange when writing.

GREEN AND GOLD

MRS. SHEPHERD'S NEW FANCY PERENNIAL CHRYSANTHEMUM.

Entirely New and Distinct. A Lovely Variety, with **Foliage Beautifully Variegated Clear Yellow and Light Green, the Yellow Predominating.** Handsome without flowers, but when adorned with its Large, Double, Creamy White, Fluffy Blossoms it is **Beautiful Beyond Description.** It is a Vigorous Grower, **Comes True.** Does equally well bedded out or under glass. **A GRAND NOVELTY.**

Having a fine stock I offer this rare plant at 20c. each; $2 00 per doz.; $10.00 per 100.

A SPLENDID NOVELTY FOR CATALOGUES.

MRS. THEODOSIA B. SHEPHERD, Ventura-by-the-Sea, Cal.

Mention the Florists' Exchange when writing.

NEPHROLEPIS WASHINGTONIENSIS.

Now is the time to start this giant among the Nephrolepi ferns, with proper treatment it will make fronds in one summer five to six feet long by 12 to 15 inches broad. They are very durable. The variety "erecta," five young plants, for $1.00, free by mail; 4 inch pot plants, 50 cts. each; larger ones from $1 to $5 each.

Palms for Easter Decorations.

Kentia Belmoreana from 7 inch pots, 4½ feet high, $3 each, 6 for $16.
Seaforthia Elegans from 6 inch pots, 5 feet high, $1 each; 6 for $5.
Latania Borbonica from 7 inch pots, 2½ feet high, broad; $1 each, six for $5.

For other decorations or bedding plants see former advertisements.

N. STUDER, ANACOSTIA, D. C.

Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

TWO young men desire situations in nursery, ten years' experience. References. H. Fink, 12 State street, New York.

SITUATION wanted, by intelligent, sober young man, to assist in general greenhouse work; will work cheap. R. C. Hinkle, Millersburg, Pa.

FLORIST, a good reliable) German, 20 years' experience, good references, wants situation; private place preferred. M. R., 156 Duane street, city.

SITUATION wanted with grower of general florist stock; six years in last place, and have excellent references; age 24, single. O. Y., care Florist's Exchange.

SITUATION wanted, young German-American, 5 years' experience in general greenhouse work, references. C. J. Schack, Canarsie P. O. Station, New York City.

SITUATION wanted, gardener and florist, German, married, two children, 16 years' experience, capable of taking full charge in a commercial or private place, best of references. Dr. F. Lutze, 212 Keap street, Brooklyn, N. Y.

SITUATION wanted by experienced grower of roses, carnations, 'mums and general stock, age 30, married. Able to take charge or as working foreman. Last 5 years with Mr. B. G. Asmus, in charge of a range. State particulars. Ernst Fischer, Robin St., near Boulevard, West Hoboken, N. J.

SITUATION WANTED

By reliable man; 15 years in the business; England and America; specialties, roses and carnations; good references; give full particulars with wages. Harry Donnelly, 13 Elmwood Ave., Winchester, Mass.

WANTED.

Position as manager, good appearance, first-class designer and salesman; married; 30 years old, quick worker, used to handle help; in responsible position now; state salary, etc. Letters, O Z, care Florists' Exchange.

HELP WANTED.

WANTED—Second man, single, to grow carnations; wages $45 per month with room; state experience. Address Thomas Roland, Nahant, Mass.

WANTED—Nursery foreman; permanent position for a man experienced in nursery business; state age, experience and salary required. V. A., Vanicek Nurseries, Newport, R. I.

WANTED an experienced propagator as an assistant, must give good reference; $10 per month for first year. Address at once Greene & Underhill, Watertown, N. Y.

WANTED on commercial place, good all-round man, by the month; good place for a steady man who is quick at handling bedding stock. Call or address Daly Bros., Granton, N. J., New Durham, P. O.

WANTED at once, as assistant in greenhouses, a young man with one or two years' experience; state wages expected; room on place, but board out. Address B., P. O. Station N, Philadelphia, Pa.

WANTED, two (2) experienced men for a commercial place, experienced in potting and taking charge of roses; must be rapid. State wages with reference. Address O. V., care Florists' Exchange.

WANTED—Single man, German preferred, with a few years' experience in greenhouse work, to take charge of our houses; $25 per month and board, steady position. Franklin & Crosby, Brooklyn, Conn.

WANTED, a good, honest, industrious all-around man for greenhouse work; must be willing and obliging, not afraid of work and strictly sober; wages $10 per week. Address O. G., care Florists' Exchange.

WANTED. Married man, on commercial place, must be quick and good worker, with good knowledge of flowers; strictly temperate; address, stating wages expected with house, Wm. Keir, Pikesville, Md.

WANTED florist and gardener, a single man, understanding bedding stock and chrysanthemums, for a commercial place. Apply to M. Hamerschlag, Gravesend and 22d Avenues, Brooklyn, N. Y.

FLORIST and gardener wanted to work on percentage and board; two greenhouses and room to build; first-class chance for the right man; must be thoroughly reliable and have satisfactory reference. P. A., care Florists' Exchange.

Mention the Florists' Exchange when writing.

HELP WANTED.

WANTED a man who thoroughly understands growing of carnations and 'mums; good position to the right man. Ben L. Elliott, Cheswick, Pa.

WANTED at once, single man, German preferred, to assist in general greenhouse and nursery work; must be honest and willing to work. Address H. Huebner, Groton Mass.

WANTED—A YOUNG

Man as helper in rose houses, one who has had some experience and wishes to advance; give reference or call; $8 to $9 per week. Address L. B. Coddington, Murray Hill, N. J.

WANTED IMMEDIATELY.

If in your vicinity there be a private gardener or a grower you can earn money easily selling Tobacco Dust and Tobacco Whale Oil Soap. Write for particulars, H. A. Stoothoff, 116 West St., N. Y. City.

WANTED AT ONCE.

A first-class gardener for outside work; must have a thorough knowledge of nursery work; a permanent position at good wages to right man; references required. Answer, Allenhurst Nurseries, Allenhurst, N. J.

WANTED—YOUNG MAN

As assistant in commercial place near New York City; one that has had some experience in rose growing prefered; steady position. Address P. B., care Florists' Exchange.

WANTED AT ONCE.

Strong, bright American boy, 17 to 20, of good habits, and willing to work, as assistant in greenhouse and market gardens, to take charge after one season if competent, with pay commensurate with service rendered. Board in family. Reference required and given. Geo. R. Simonds, Barre, Mass.

MISCELLANEOUS WANTS.

WANTED—Nursery stock, 250 White Spruce, 3-3½ transplanted; 100 White Pine, 5-6 ft; 200 Spiræa Rotundifolia, 3 ft.; 100 Spiræa Arguta, 3 ft; 100 Gallum Boreale. V. A. Vanicek Nurseries, Newport R. I.

WANTED TO RENT.

10,000 to 15,000 feet of glass, suitable for roses and carnations, in good condition, near New York. State full particulars. W., Port Richmond, S. I.

WANTED—20,000 feet

Glass, to work on shares; houses must be in good order; give full particulars. O. W., care Florists' Exchange.

CUT SMILAX STRINGS.

Wanted—A shipper who can supply good stock on commission or direct sale. Pittsburg Cut Flower Co., Ltd., 504 Liberty street, Pittsburg, Pa.

WANTED—CARNATIONS.

From 2,000 to 3,000, Mrs. Fisher; must be good, strong plants from flats or pots. Address A, B, C, care John I. Raynor, 49 West 28th street, New York City.

BUSINESS OPPORTUNITIES.

FOR SALE at Great Neck.—If you are a florist looking for a fine piece of land not very far from the station and within 40 minutes of N. Y., you should come to Great Neck and look at a 6¼ acre plot which I have for sale. This piece of land is well situated for a florist's place. It is sheltered in the north and northwest, and is as level as a pancake, and has a fine sub-soil suitable for carnation growing especially. Call or address John J. Mathews, Great Neck, L. I.

MONOPOLY! A genuine bargain for a live wholesale grower; 15,000 sq. ft. glass (six houses), long established and favorably known; practically no competition in the cut flower specialties grown; eastern New England the market; sales limited by production only; 50 miles from Boston, in a very attractive town, grand rose and carnation soil, 50 acres tillage land; large slate-roof 12-room dwelling; hot-water heat, etc., etc. Large slate-roof barn, carriage house, carpenter shop, etc. All in good condition and to be sold with contents, live stock, etc. A beautiful estate and a money maker. Easy terms. Price greatly reduced. Send for descriptive and illustrated booklet. O. T., care Florists' Exchange.

Mention the Florists' Exchange when writing.

BUSINESS OPPORTUNITIES.

TO LET or lease, two greenhouses, 20x100, and one 10x75, potting house and land. Long Island, 20 minutes from city. For terms, address 124 E. 27th Street.

FOR RENT. Four iron-frame rosehouses, 100x18 ft. 6 in., glazed, 16x24 glass, joined to one full spanhouse, 53x18 ft. 6 in., with potting shed; built by Hitchings & Co., and in first-class condition; 30 minutes by train from New York. For particulars address Florist, 5 Park Ave., Paterson, N. J.

FOR RENT—STORE

At 2783-2785 Broadway, between 107th & 108th streets, junction of West End avenue and Broadway; good location for first-class florist, being on a thoroughfare; in the "Tronville," a handsome new apartment building. Rent right. Apply on premises.

FOR SALE.

650 feet 4-inch hot-water pipe, valves, fittings and two tanks; 2000 feet glass, 6x8, 8x10, 10x12; one No. 3 Hitchings saddle boiler; one No. 3 Weathered boiler; 40 hotbed sash, 3x6 ft.; will sell all in one lot only; price, $300. Also place suitable for florist or nurseryman, with good Spring trade, no florist within 8 miles; house of nine rooms, barn, windmill, two acres good land, fruit, near depot; all the above for $2,500. Charles E. Price, Smithtown Branch, Long Island, N. Y.

MISCELLANEOUS.

GLASS.

A large quantity of 7x9 glass for sale cheap. Robt. Williamson, New Durham, N. J.

Baltimore.

The Market.

Carnations are scarce, roses and violets plentiful, and trade not half bad for Lent. Spring snow worries the tillers of the soil, and nursery shipments have been belated by the weather conditions.

The Club.

Robert J. Halliday, the president-elect of the American Carnation Society, and of the local club, is surely an inspiration, or rather the cause of one, as far as relates influencing the members of the Gardeners' Club to feel the necessity of becoming members of the Carnation Society. With great pleasure I inform the carnation world that the 26 members have been gained for the society. Much interest has already been developed in the meeting for next year; we are beginning with force.

Notes.

Wm. P. Binder and R. J. Halliday are off to New York, to gaze at the Queen of Flowers—one with an eye that loves beauty, and the other with a critical eye, in the capacity of judge.

Charles M. Wagner has taken a position under the city at Drexel Hill Park.

The weather is brightening up and is giving the man late with his lilies a slight chance to breath in hope.

EDWIN A. SEIDEWITZ.

CATALOGUES RECEIVED.

C. E. OLDER, Luverne, Minn.—Price List of Nursery Stock.

JAMES M. LAMB, Sunnyside Floral Nursery, Fayetteville, N. C.—Catalogue of Trees, Shrubs Greenhouse Plants, Roses, Bulbs etc.

J. WOODWARD MANNING, Boston, Mass.—Catalogue of Rhododendrons, Laurels and other Hardy Plants for Landscape Effect.

THE FLORIST SUPPLY CO., North Tonawanda, N. Y.—Circular regarding Sod Crushing and Pulverizing Machine, with numerous testimonials.

T. GOULDSBOROUGH, Wesley Heights, Washington, D. C.—Descriptive Catalogue of New Twice-Bearing French Strawberry, Louis Gauthier, and other small fruits.

ISAAC HICKS & SON, Westbury Station, N. Y.—Illustrated Catalogue of Trees for Long Island. Contains useful instructions for removing and replanting large trees.

F. R. PIERSON CO., Tarrytown, N. Y.—Catalogue of Bulbs, Seeds, Plants, etc., profusely illustrated. A very complete catalogue, with full descriptions of the subjects enumerated; containing also a list of all the leading novelties.



New York.—The following scores were rolled Monday evening:

	1	2	3
Hafner	180	125	116
Thielman	119	139	116
Bunyard	129	125	122
Traendly	165	190	140
Marshall	171	115	114
Schenck	122	147	125
Moody	164	132	130
Lang	154	139	150
Siebrecht	143	154	127
Shaw	118	112	101
Burns	151	126	98
Roehrs	..	198	..
O'Mara	180	187	..
Butterbach	103	155	..
Manda	138	..	..
R. Kift	146	116	..

Chicago.—Philip Scott, on his way to Denver, stayed over and made a call on the boys, when a game was gotten up for his benefit with the following scores:

	1	2	3
Philip Scott	169	182	176
Ed. Winterson	151	183	151
Geo. Asmus	205	172	161
Joe. Degnan	153	122	141

CHICAGO VS. JOLIET.

On Saturday evening, March 24, six bowlers, with John C. Hildebrand, of Holland, and C. W. Scott, of J. C. Vaughan's, went to Joliet to play a game with a team of the Chicago Carnation Company's men. On arriving at the depot Ed. Winterson invited the crowd to the dining car to accept his hospitalities, and a joyous hour was spent.

After the three games were played, with scores as under, witnessed by a crowd of people gathered to see the sport, the hosts and their guests repaired to a room where a right royal time was had, with songs and music, until the hour of departure arrived. The Chiengo boys are loud in praise of their reception.

JOLIET.

	1	2	3
Savage	168	200	159
Hartshorne	136	127	165
Timme	102	146	117
Hueke	124	111	97
Jackson	120	115	111
McMahon	113	122	118
Totals	763	831	767

CHICAGO.

	1	2	3
Degoan	157	138	127
G. Stollery	116	128	182
F. Stollery	152	136	119
W. Kreitling	150	129	117
Hughes	106	142	149
Winterson	134	157	137
Totals	825	830	821

St. Louis.—Following are scores rolled the past week:

	1	2	3	4	5	6
C. A. Keuho	134	188	144	193	138	180
Beneke	154	158	159	222	159	178
Weber	136	123	134	135	140	159
Young	89	119	149	122	142	..
Schray	109	91	98	173	123	120

BUFFALO, N. Y.—Pan-American topics will be in order now that William Scott has received his commission as Chief of the Bureau of Floriculture. I called on the versatile gentleman at his new office in the Ellicott Building and found him engaged in the perusal of a letter from a Manila correspondent—A. H. Macbeth, M. D., U. S. Army, offering a collection of phalænopsis and the Manila bean and chenille plant. Mr. Scott is anxious to see the houses up. As yet they are on paper, but with such a combination (Professor Taylor having charge of the entire horticultural department) the public will see a result surpassing anything hitherto accomplished at any previous American exposition. Mr. Taylor is well known to members of the S. A. F., and has established an enviable reputation by his showing at Omaha. It is superfluous to speak of Great Scott—the critic of dialects as well as successful floriculturist.

STILLWATER, MINN.—Frank Berry notes a decrease in funeral orders compared with previous years, otherwise business is fully up to usual mark. W. M.

NOVELTIES OF THE SEASON

CHRYSANTHEMUMS.

MONROVIA—Early yellow, of commercial value.
ORIZABA—Midseason pink. Incurved form.
NESOTA—Yellow Japanese of large size.
INTENSITY—Bright crimson, late Extra fine.
PLUMA—Pink ostrich plume. Fine color
WHITE BONNAFFON—Incurved white, of great promise.
LAVENDER QUEEN—A beautiful pink for Thanksgiving
GOLD MINE—Yellow. The great prize winner of the season.
SUPERBA—Very late pink for Christmas; Perrin type.

Fine stock of above at 50c. each; $5.00 per dozen; $35.00 per 100. All ready for immediate delivery except Gold Mine. Next lot of this ready April 20th. All other novelties at introducer's prices.

IN 1899 NOVELTIES We are selling large quantities of the following kinds, to the best growers, which speaks volume for their merit.

THREE EARLY.

JOHN K. SHAW—Fine commercial pink. $5.00 per 100.
POLLY ROSE—White Glory of Pacific. $4.00 per 100.
ROBT. HALLIDAY—Henderson's color; better form $6.00 per 100.

THREE MID-SEASON.

FEE DU CHAMPSAUR—Large white Japanese. $10.00 per 100.
YELLOW MAYFLOWER—Sport from Mayflower. $6.00 per 100.
SHILOWA—Extra fine dark crimson. $5.00 per 100.

THREE LATE. FOR THANKSGIVING AND AFTER.

XENO—Fine incurved pink, style of Perrin. $8.00 per 100.
NAGOYA—A large Japanese. Intense yellow. $6 per 100.
ADULA—Superb incurved white. $8.00 per 100.

Also a very complete stock of the best standard varieties.

CARNATIONS FOR 1900.

THE MARQUIS—$1.50 per dozen; $10.00 per 100.
OLYMPIA—$2.00 per dozen; $12.00 per 100.
ETHEL CROCKER—$1.50 per dozen; $10.00 per 100.
GENEVIEVE LORD—$2.00 per dozen; $10.00 per 100.
MRS. LAWSON—$3.00 per dozen; $14.00 per 100.

We also have a very complete list of the best standard sorts.

NEW GERANIUMS.

Many florists are unaware of the great advance that has been made in the Geranium. Many of the recent introductions are marvels of beauty. Try a few, we are certain they will be in great demand next season. List of varieties and prices on application.

GERANIUMS, Standard Varieties.

We are all sold out of pink shades, but have a large stock of red, large sturdy plants ready for 4-inch pots.

S. A. NUTT—$3.50 per 100.
MARVEL—$3.00 per 100.

VIOLETS.

PRINCESS OF WALES, LADY HUME CAMPBELL, CALIFORNIA, WHITE CZAR—From soil. $1.50 per 100; $12.00 per 1000.

VINCA MAJOR VARIEGATA.

Strong 2¼-inch pot plant. If shifted now will make excellent stock for Decoration Day. $3.00 per 100; $25.00 per 1000.

For complete description of above stock, see our Catalogue, which will be mailed free on application.

NATHAN SMITH & SON. Adrian, Mich.

Mention the Florists' Exchange when writing.

Rooted Cuttings **COLEUS**—Verschaffelti Golden Queen, Mixed **Heliotrope, Double Petunias, Salvia,** etc.; **Alternanthera**—four kinds. USUAL PRICES.

L. H. FOSTER, 45 KING STREET, **Dorchester Mass.**

Mention the Florists' Exchange when writing.

SEEDLINGS

Grown from the best seed that money can buy.

Fine plants.	100	1000
Verbenas, extra Selected Mammoth	$0.30	$2.50
Phlox Drummondi nana compacta	.30	2.50
Asters, all varieties	.30	2.50
Mignonette, Golden Machet	.30	2.50
Candytuft, Empress	.25	2.00
Sweet Alyssum, Little Gem	.25	2.00

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

HELIOTROPE.

2 inch pots, $2.00 per 100.

Cannas, Mad. Crozy, 4 in. pots, $5.00 per 100. Cannas, seedlings of Mad. Crozy, 4 in., $5.00 per 100. 3 in., $3.00 per 100.

Baby Primrose, from flats, in bloom, $1.50 per 100.

Smilax plants, from flats, $1.00 per 100.

'Mums, Merry Monarch and Bonnaffon, 2 in., $2.00 per 100. Cash with order.

WM. KEIR, Pikesville, Md.

Mention the Florists' Exchange when writing.

COLEUS.

Ver. and G. Bedder- $6.00, Select Fancy, $5.00 per 1000. **New,** large-leaved varieties, gorgeous colors. **Corona,** a sport from G. Bedder, extra fine, scarlet with broad gold edge. $1.00 per 100. Following:

TRANSPLANTED. Alternanthera, P. Major, A. Nana, Pitisburg and Ama, hilis, $6.50 per 1000 **Begonia Vernon** and **Erfordii, Heliotropes, Sage** and **Sgl. Petunia,** $1.20 per 100. Fine **Verbena,** 60c. per 100. Terms cash. Get trade list.

DANIEL K. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

THE GRAND NEW **Double Petunia, PINK QUEEN.**

The finest ever introduced, stocky grower, flowers monstrous in size, very double, finely fringed, and having a strong sweet fragrance. Color, a taking shade of light pink, being a solid shade, like the Rose Mme. Caroline Testout, a great advance over all other varieties. As fine in its way as Gloire de Lorraine among Begonias. Will surely be in every florist's stock. Sells quickly at double the price of old sorts. A splendid stock ready to send out.

Get in on the ground floor, or you will be sorry. There will be money in this for you the second season.

Strong 3½-inch pot plants, 35c. each; $4.00 per dozen.

Cash from unknown parties. Correspondence invited.

ROCKLAND GREENHOUSES (W. B. Arnold, Mgr.) **Rockland, Mass.**

Mention the Florists' Exchange when writing.

GERANIUMS

AMERICA.

50c. each, $5.00 per doz. For sale also by Henry A. Dreer, Cottage Gardens, Henry F. Michell, J. C. Vaughan.

MARS.

2¼ inch, $5.00 per 100.

DRYDEN.

New, finest bedder, 2½ inch, $10.00 per 100.

Set of 15 Novelties, 1899, including one America, $2.00 per set.

Cash, Please.

H. EICHHOLZ, Florist, WAYNESBORO, PA.

Mention the Florists' Exchange when writing.

CYCLAMEN.

PERSICUM SPLENDENS GIGANTEUM (No finer strain on the market.) Now ready to ship, a splendid stock of plants in four separate colors. August seedlings, from 2½ in. pots, $5.00 per 100; $40.00 per 1000. October seedlings, from flats, $3.50 per 100; $30.00 per 1000.

CHINESE PRIMROSES (Fringed foliage), single and double, from 2½ in. pots, $2.00 per 100; from 3 in. pots, $4.00 per 100.

CANNAS (Started from sand bed), Florence Vaughan, Queen Charlotte, Alphonse Bouvier, Austria, assorted, $3.50 per 100; $30.00 per 1000.

CARNATIONS Strong plants from soil, Daybreak, Wm. Scott, McGowan, $1.75 per 100; $15.00 per 1000. Frances Joost, Mary Wood, $3.50 per 100; $30.00 a 1000.

All the above warranted A No. 1 Stock.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

FERN POLYSTICHUM PROLIFERUM, or LACE FERN.

Fine stock, in 3 inch pots, $1.00 per doz.; $6.00 per 100.
Second size of above, 60 cts. per doz.; $4.00 per 100.
The fronds are fine for florists' use.

PRIMULA OBCONICA Large-flowered, and **FORBESI,** the Baby Primrose, rooted cuttings, either sorts, 40 cts. per doz.; $2.00 per 100.

NASTURTIUM PHOEBE New, a fine thing, 60 cts. per doz.; $3.50 per 100.

BEGONIA DOUBLE VERNON, 75 cts. per doz.; $5.00 per 100.

ELLIS BROS., Keene, N. H.

Mention the Florists' Exchange when writing.

DOUBLE PETUNIAS.

OVER 75 VARIETIES, NAMED.

I have the finest and largest collection in the country, an immense stock, and can fill all orders without delay.

Rooted Cuttings, by mail	$1.25 per 100
Dracæon Indivisa, 3 in.	3.00 "
Cobæa scandens, 2 in.	2.00 "
Fuschia, 3 in., husby	4.00 "
Abutilons, 2 in.	2.50 "
Double Petunia, 3 in., and a bargain, to make room, many in bud	2 50 "
Agerntum, Princess Pauline	1.00 "
Fuchsias, 12 vars.	1.25 "
Baby Primrose, strong, 2 in.	3.00 "
Moon Vines, Smith's Hyhrid Seedlings, $2 00 per 100.	
Salvia, Splendens and Bedman, seedlings, 50 cents per 100.	

Cash with order, please.

GEORGE J. HUGHES, BERLIN, N. J.

Mention the Florists' Exchange when writing.



McMillen's New York Market

MIGNONETTE

Orders received now from Wholesale and Retail Catalogue Houses for this fine strain of Mignonette. New crop of seed delivered in July. Write for terms, prices, etc., to

ROBERT McMILLEN, Pearl River, New York.

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S. A. F. CONVENTION, 1900

NEW YORK FLORISTS' CLUB.

Official Catalogue and Souvenir

NOW IN COURSE OF PREPARATION.

As an Advertising Medium Cannot Be Excelled.

A Beautiful Book, containing Official Programme, Views of Greater New York and Vicinity, Thorough Description of All Leading Establishments, and Complete Information Regarding Horticultural and Floricultural Interests.

For Information, Advertising Rates, Etc.,

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As Usual, in Connection with the S. A. F. Convention will be Held a Great TRADE EXHIBITION

Presenting to the Growers, Seedsmen and Dealers in everything appertaining to Horticultural and Floricultural Interests a superb opportunity to display their wares to the BEST POSSIBLE ADVANTAGE.

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Greenhouse Heating and Ventilating

WE WOULD CALL YOUR ATTENTION TO THE FOLLOWING LETTER IN REFERENCE TO OUR NEW SECTIONAL BOILER.

KEAP STREET GREENHOUSES,
BROOKLYN, NEW YORK, March 23, 1900.

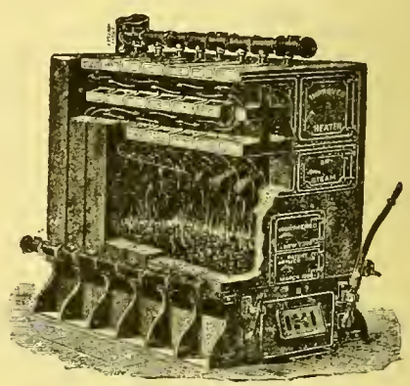
MESSRS THOS. W. WEATHERED'S SONS,
46 and 48 Marion Street, New York City.

GENTLEMEN:—I purchased from you last September, one of your Sectional Hot Water Boilers for my greenhouse at Flatbush, and was so well pleased with the results, that I bought another one for my Keap Street Greenhouses, taking out another make.

Anything I might say would not be too high praise for your boilers. They work perfectly, and I am pleased to say that so far I have saved in coal one-half of the cost of the boilers. They will therefore pay for themselves in another year, a result which I consider remarkable. I would be pleased to reply to anyone desiring the actual proof of above.

Your very truly,
Signed, JOHN SCOTT.

P. S.—Kindly book my order for another boiler. I will let you know later when to deliver it.
J. S.



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Winners of the Highest Award at the World's Fair; the Dean Gold Medal, Madison Square Garden, for best Amateur Greenhouse; Certificate of Merit, Society American Florists, and the Silver Medal for 1898 of the New York Florists' Club.

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Conservatories, Greenhouses, Etc., Erected complete of our Patent Iron Frame construction, or of Wood and Iron combined, or Wood alone. **Hotbed Sash, Frames, etc.**

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We are a straight shoot and aim to grow into a vigorous plant.

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL.

Vol. XII. No. 14. NEW YORK, APRIL 7, 1900. One Dollar Per Year.

We have just Received a large Shipment of

PYRAMIDAL BOX



PYRAMIDAL BOX.

In perfect condition. These are finely shaped specimens, fine and compact, running about 4 feet high.

$2.00 each; $20.00 per doz.

We have also just received a large importation of

CYCAS REVOLUTA

which is now ready for delivery. Stems range in size from one-half to six pounds each, making the most desirable assorted sizes for the average florist.

$10.00 per 100 pounds.

Special price for large quantities on application. Write us, stating quantity wanted, and we will quote lowest possible price, depending on the quantity handled.

We have also a fine stock of

BAY TREES.

STANDARDS AND PYRAMIDS.

Fine plants, about 3 ft. in diameter, 7 ft. high, $10 each.
Extra fine plants, abt. 4 ft. in " 7 ft. " $15 "

We are also offering an extra fine lot of

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Large specimen plants grown in 10 in. pans. These are particularly fine, well colored, in vigorous and healthy condition, and in best possible shape, and will be found exceedingly good value.

$1.50 and $2.00 each, according to size.

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CUT FLOWERS

FOR EASTER

ALL KINDS AND VARIETIES.

There Is Nothing We Cannot Supply

JOHN YOUNG,

Wholesale Florist,

51 West 28th St., NEW YORK.

Telephone 1905 Madison Square.

CYCAS REVOLUTA STEMS

(Sago Palm, Dry Stems.)

We have just received in splendid condition a large shipment of **CYCAS STEMS,** which we are now offering for immediate delivery, as follows: Fresh, imported, true long-leaf variety, in cases, each containing about 350 lbs., 75 per cent. of the stems ½ lb. to 3 lbs. each, 25 per cent. 3 to 6 lbs. each. April delivery.

For 10 lbs., 12c. per lb.; 100 lbs., 10c. per lb,; whole case, 7½c. per lb.

SWEET PEAS

Any of the Following Varieties, All Leaders, and Best Kinds in Cultivation.

25c. per lb.; 5 lbs. for $1.00; 5c. per oz.

Extra Early Blanche Ferry	Captain of the Blues	Emily Henderson	Countess of Radnor
New Countess	Captivation	Lovely	Princess of Wales
Stanley	Dorothy Tennant	Mars	And
Firefly	Monarch	Prima Donna	Eckford's Choice Mixed,
Katherine Tracy	Lottie Eckford	Royal Rose	All Colors.
Her Majesty	Royal Robe	Blanche Burpee	

BULBS.

CALADIUM ESCULENTUM.
(Elephant's Ear.)

Bulbs measuring 7 to 9 inches around, sound center shoots, 60c. doz.; $3.75 a 100; $35 a 1000.

Monster 9 to 11 inch bulbs, $1.00 per doz.; $7.00 per 100; $60 per 1000.

GLADIOLUS.

First size bulbs, fine mixed, 25c. per doz.; 75c. per 100; $6.50 per 1000.

ASTER SEED.

Semple's Branching, white (originator's strain), crimson, lavender, shell pink, purple, $7 per lb.; 60c. per oz.; 10c. per trade packet. Mixed colors, $5 a lb.; 50c. a oz.; 10c. trade pkt.

Queen of the Market, earliest of all Asters. White, rose, light blue, purple, $6 per lb.; 50c. per oz; 10c. per trade packet. Mixed, $5 per lb.; 40c. per oz., 10c. trade packet.

Victoria, scarlet, white, purple, peach blossom pink sky blue or all colors mixed, $30 per lb.; $2 per oz; 10c. per trade packet.

TUBEROSES, Excelsior Pearl.

First size bulbs, 3 to 4 inches around, every one flowers, 50c. per 100; $3.00 per 1000, or barrel of 2000 bulbs, for $5.00.
EXTRA SIZE, 4 to 6 inches around, 75c. per 100; $6.50 per 1000.

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NEW CARNATIONS READY NOW.

You Need Not Be Afraid to Plant.

G. H. CRANE — THE BEST SCARLET CARNATION EVER INTRODUCED.

We have the finest and best selected stock of this Carnation in the country. We have 25,000 selected cuttings now ready, and can ship promptly on receipt of order.

Price, $6.00 per 100; $50.00 per 1000.

GENERAL MACEO — THE BEST CRIMSON CARNATION.

Pure, Rich, Clear, Effective Color, the Best Keeper of all Crimsons. The Most Profuse Bloomer of all. Produces 25 per cent. More Flowers than any other Carnation we have ever grown. Sells Out Clean in Quantity. Is Liked by Everybody.

Don't be discouraged by croakers who have had no experience with Maceo. We have 30,000 cuttings all selected, ready for immediate shipment.

$6.00 per 100; $50.00 per 1000.

GENERAL GOMEZ Some growers who have not grown Maceo think this is the best of the two varieties. Our experience shows Maceo to be the most profitable of the two. Gomez has a longer stem, is lighter in color and sells at 20 per cent. higher price than Maceo.

If you are in doubt as to which to plant, buy an equal quantity of each variety. That will enable you to determine which is best suited for your requirements.

15,000 Cuttings ready, $5.00 per 100; $40.00 per 1000.

MORNING GLORY, The Daybreak Colored Scott, $6.00 per 100; $50.00 per 1000.

WHITE CLOUD, Fine, strong stock, $4.00 per 100; $30.00 per 1000.

MRS. G. M. BRADT, 5,000 fine cuttings for April delivery, $5.00 per 100; $40 per 1000.

MRS. JAMES DEAN, Ready now, $3.00 per 100; $25.00 per 1000.

Remember, he Above Are Selected Cuttings Propagated from Selected Strains of Each Variety.

SEE OUR AD. PAGE 321 LAST ISSUE. **THE COTTAGE GARDENS, Queens, N. Y.**

Mention the Florists' Exchange when writing.

DO NOT LET COLD WEATHER SCARE YOU OFF.



SALVIA SPLENDENS, BONFIRE. Trade packet.....25c.

VERBENA, Fine Mixed, Imported. Trade packet.....25c

SWEET PEAS, All Varieties. ¼ lb.....15c. Postage, 4c.

ASTERS, Queen Market. Trade packet.....15c.

TUBEROSES, 1030, $5.00

GLADIOLI, Extra Fine Mixed. 100, $1.25

Mention this paper. **WM. ELLIOTT & SONS,** 54 and 56 Dey St., N. Y.

Mention the Florists' Exchange when writing.

JAPAN LILIES — Auratum, Rubrum, Album

We have a good stock of these bulbs, which are scarce this season.
For prices see our "Book for Florists"

CALADIUM ESCULENTUM Clean, sound bulbs, 5-7 in., $3.00; 7-9 in., $4.50; 9-12 in., $8.00. Lots of 250 at 10 per cent. lower.

ASPARAGUS PLUMOSUS NANUS. We are Headquarters for best American grown seed. Per 100, $1.25; per 1000, $9.00; 3000 for $25.00.

ASPARAGUS SPRENGERI Per 100 seeds, 60 cts.; 250 seeds, $1.25; 1000 seeds, $5.00; 3000 seeds, $13.50.

TUBEROSE BULBS Excelsior Dwarf Pearl, Mammoth bulbs, 6 to 8 in., $1.25 per 100; First size bulbs, 4 to 6 in., $1.00 per 100; $7.00 per 1000 (3000 for $20.00); Medium size bulbs, 3 to 4 in., 50 cts. per 100; $3.00 per 1000.

New York—VAUGHAN'S SEED STORE—Chicago

Mention the Florists' Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA — WHOLESALE PRICE LIST FOR FLORISTS AND MARKET GARDENERS

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SEEDS for Profit

FLORISTS' FLOWER SEEDS **Sweet Peas**

Wholesale Catalogue on application.

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ESTABLISHED 1802

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FLORISTS ARE INVITED to send for our quotations on

FORCING BULBS
ROMAN HYACINTHS
LILIUM HARRISII
LILIUM LONGIFLORUM
Etc., Etc.

We are large importers of High Class Bulbs

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

JUST RECEIVED FROM JAPAN.

This stock not coming from Japan in time for Xmas, we advise you to buy **nheul** now all you can, to be ready for Easter as well as for Xmas with this favorite. We offer:

FERN DESIGNS So much admired, and bring Fancy Prices, we offer Triangles, Parrot Rings, 40c., Turtles, Flying Cranes, Pigeons, 60c. Chinese Lanterns, large, fine, 75c Monkeys, Pagodas, Houses, $1.00. Large Boats, with full-rigged **Latio Sail**, a great seller, $1.50.
Be quick to secure these.

FERN WREATHS Hang up same as balls—8-9 inch, 40 cents each; $4.00 a doz. 10-12 inch, 50 cents each; $5.00 a doz.

MULTIGRAFTED MAPLES Beautiful for center plants in jardinieres, or as **single show plants**. A marvelous bouquet of foliage, on one stem. Extra choice colors, each 50 cts.; doz., $5.00.

		Doz.	100
Lilium Auratum,	8-9 in.	$0.60	$4.50
" "	9-11 in.	1.00	7.00
" Rubrum,	6-8 in.	.40	2.50
" "	8-9 in.	.60	4.00
" "	9-11 in.	.85	6.00
" Album,	8-9 in.	.75	5.50
" "	9-11 in.	1.00	7.00
" Melpomene,	8-9 in.	.75	5.00
" "	9-10 in.	.85	6.00
Iris Kæmpferi, all colors, extra strong clumps, 1-2 in.		1.00	7.50

BEGONIAS—TUBEROUS ROOTED, in five separate colors.
Single, 40 cts. per doz.; $2.50 per 100.
Double, 1-2 in., 65 cts. per doz.; $5.00 per 100.

GLOXINIA CRASSIFOLIA ERECTA—Choicest sorts, 1-2½ in., 45 cts. per doz.; $3.00 per 100.

CALADIUM ESCULENTUM BULBS
All with fine, sound center shoots—5-7 in., 35c. per doz.; $2.50 a 100, $20.00 a 1000. 7-9 in., 60c a doz., $4.00 a 100, $35.00 a 1000. 9-11 in., $1.00 a doz., $7.50 a 100.

SPECIAL OFFER To close out: A few bbls. of A No. 1 stock **EXCELSIOR PEARL TUBEROSES,** 4-6 in., 1000, $5.75; 3000, $17.50. This offer only as long as this stock lasts. **Be quick.**

SEEDS.

We want to sell out this season's Seeds of the following, and have reduced prices considerably for a few thousand of

	100	1000	5000
Asparagus Plumosus Nanus	$0.90	$8.00	$37.00
" Sprengeri	.50	4.00	17.50
Cocos Weddelliana, 75 per cent. germination	.60	5.00	
Latania Borbonica	.25	1.75	7.50
Fresh Kentia Belmoreana and Forsteriana	.10	60	4.50

THIS STOCK IS LIMITED and we ask for quick orders.

SWEET PEA SEED In all favorite sorts, representing all leading varieties: Blanche Burpee, Extra Early B. Ferry, E. Henderson, Boreatton, Butterfly, Countess of Radnor, Prima Donna, Monarch, Mars, Capt. of Blues, Her Majesty, Lottie Eckford, Countess of Aberdeen, Queen Victoria, Princess, and many others. Crop 1899. Per lb., 30 cts.; 5 lbs., $1.25; oz. of each variety separate, 5 cts.



ECKFORD'S CHOICEST HYBRIDS. per lb., 20 cts.; 5 lbs. 75 cts.

CYCAS REVOLUTA, Now Ready, $3.00 a 100 lbs. Let us estimate on your wants for fall deliveries in all French, Dutch Forcing Bulbs, Lilium Harrisii, Longiflorum, Freezias, Callas, etc. We can save you money. Address

H. H. BERGER & CO., (Established 1878) **47 Barclay St., N. Y.**

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SEED FOR RETAILING



LAWN GRASS

As per cut.

In Pints . . . . . per 100, $5.00
In Quarts . . . . . " 10.00
Per Bushel, $2.50.

FLOWER AND VEGETABLE SEED.

In lithographed packets, per 1000, $15.00. 100 at 1000 rate.

FERTILIZERS.

Bone Dust, put up in 2-lb. boxes, a doz., $1.00
Sheep Manure, " 2-lb. " " 1.00

BULBS.

DAHLIAS.



STORM KING.

New white. Magnificent, perfectly formed snow-white flowers, borne in the greatest profusion on long, strong stems, perfectly suited for cut-flower purposes. The blooms are of medium size, perfect in form, with petals slightly notched. In habit it is similar to A. D. Livoni, but is a more profuse bloomer than that free flowering variety, while the stems average longer, and as the plant branches close to the ground, it enables it to withstand winds and drouth better than any other variety.
$2.50 per doz.; **$20.00** per 100.

A. D. LIVONI.

Fine pink. Beautiful soft pink, with quilled petals, and full to the center; an early and profuse bloomer.
$1.50 per doz.; **$10.00** per 100.

YELLOW CANARY. Fine, pure yellow. **$1.50** per doz.; **$8.00** per 100.

Dahlias in separate colors, white, pink, yellow, red and purple, **$1.00** per doz.; **$6.00** per 100.

Special List of Dahlias Furnished on Application.

Tuberoses.

Dwarf Pearl, 1st size, 4½ to 6 inches, **$1.00** per 100; **$7.00** per 1000.
2d size, **60 cts.** per 100; **$4.00** per 1000.

Gladiolus.

White and light, mixed, **$2.00** per 100; **$18.00** per 1000.
50 per cent. white and light, balance pink and red, **$1.50** per 100; **$12.00** per 1000.
Large bulbs, for retailing, **$1 per 100; $8.00 per 1000.**

Gloxinias.

Mixed, very large bulbs, **$4.00** per 100.

Begonias.

Single, in 4 colors, very large bulbs, **$4.00** per 100.
Double, in 4 colors, very large bulbs, **$6.00** per 100.

Caladium Bulbs.

5-7 ins. in circumference, **$2.50** per 100
7-10 " " **$4.00** per 100
11-13 " " **$8.00** per 100

Aster Seed.

Semple's Branching, in white, pink, purple lavender and crimson.
15 cts. per ⅛ oz.; **75 cts.** per oz.

Primula Seed.

Chinese, fringed; Alba Magnifica; Cœrulea, blue; Chiswick, red; Coccinea superba, crimson; Giant Rose; Magenta Queen; Magnum Bonum; Village Maid, striped.
25 cts. per pkt., 100 seeds; **$2.00** per 1000 seeds.

Cineraria.

James' Giant Strain, mixed. **50 cts.** per 250 seeds.

Sweet Peas.

All varieties. **40 cts.** per pound.

Asparagus Seed.

Plumosus Nanus. **$1.00** per 100; **$9.00** per 100.
Sprengeri. **60c.** per 100; **$5** per 1000.

Send for Wholesale Catalogue of Bulbs and Seeds.

STUMPP & WALTER CO., 50 Barclay St., NEW YORK.

Mention the Florists' Exchange when writing.

Special Offer of Bulbs and Choice Flower Seeds For Seedsmen and Florists.

ASTER, Semple's True Branching, mixed.....¼ oz., 20 cts.; per oz., 50 cts.; per lb., $5.00
" " shell pink, and white and red.....¼ oz., 25 cts.; oz., 75 cts.
ASPARAGUS PLUMOSUS NANUS, per trade packet (25 seeds), 30 cts.; 100 seeds, $1.00; 1000 seeds, $9.00.
" **SPRENGERI**, per trade packet (25 seeds), 25 cts.; per 100 seeds, 75 cts.; per 1000 seeds, $5.00.
BEGONIA, single, tuberous rooted, separate colors.....per doz., 40 cts.; per 100 $2.50.
" " mixed.....per doz., 35 cts.; per 100, $2.00; per 1000, $18.00.
" double, tuberous rooted, mixed.....per doz., 65 cts.; per 100, $5.00.
GLOXINIAS, choice mixed.....per doz., 50 cts.; per 100, $3.00; per 1000, $27.50.
HYACINTHUS CANDICANS (choice bulbs).....per doz., 25 cts.; per 100, $1.50.
MONTBRETIA Crocosmæflora, yellow and crimson, fine for cutting...per doz., 10c; 100, 60c; 1000, $5.00.
" **Pottsii**, orange and red.....per doz., 10 cts.; per 100, 50 cts.; per 1000, $4.50.
LILIUM TIGRINUM (Tiger Lily).....per doz., 50 cts.; per 100, $2.75.
" " Flore Pleno.....per doz., 65 cts.; per 100, $3.50
TIGRIDIA PAVONIA, alba grandiflora, and orange.....per doz., 30 cts.; per 100, $2.00.
OXALIS, summer flowering, mixed.....per doz., 10 cts.; per 100, 35 cts.; per 1000, $2.50.
IRIS "LUMILA, mixed.....per doz., 35 cts.; per 100, $1.25; per 1000, $10.00.
SPOTTED CALLAS, alba Richardia Maculata.....per doz., 40 cts.; per 100, $2.75.
TUBEROSES, No. 1, double pearl, fine large bulbs.....per 100, 75 cts.; per 1000, $6.50.
" No. 2, double pearl.....per 100, 50 cts.; per 1000, $3.50.

Send for new wholesale list for March.

JOHNSON & STOKES, 217 and 219 Market St., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.



Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Chicago, Ill., President; ALBERT MCCULLOUGH, Cincinnati, First Vice-President; F. W. BOLGIANO, Washington, Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

The Bartelides Fire.

Editor Florists' Exchange.

The statement in your latest paper that our entire stock was damaged by fire and water is incorrect and misleading, and we want you to make a correction. Our office and retail department were damaged by water and fire, but our wholesale department and our warehouses were never touched; and we were doing business and filling orders the next morning after the fire, and are doing so yet. F. BARTELDES & CO.

Bulb Exporters' Association.—We learn that an association under the above style has been formed by the bulb exporters of Holland in order to protect their mutual trade interests. A status inquiry department and another for the collection of debts are special features. The managing director of both these departments is Dr. J. Spoor, solicitor, Haarlem Court of Justice, who acts also as secretary to the association.

The association is divided into six sections, according to the principal countries where bulbs are being exported to, viz.: United States of America, with Canada, Great Britain and Ireland, Germany and Austria, France and other French-speaking countries, Russia, Scandinavia and Denmark. Each section has its own committee and management, the United States section being a continuation of the late Exporters' Association at Lisse.

T. Van Waveren is president, Ernst H. Krelage vice-president, and J. H. Wentholt treasurer.

The association, which was started in February, now consists of 115 section members. The seat of the association is at Haarlem, and all correspondence should be addressed to Dr. J. Spoor, 24 Wilhelmina street, Haarlem.

Our Holland Letter.

Going around the fields of our bulb growers it is possible, now the reeds have been removed from the hyacinths, to see the results caused by the frost of the last few weeks. The foliage of all early kinds of hyacinths is heavily damaged, and, like last year, the early white varieties, such as Baron von Thuyll, Mina, L'Innocence and Blanchard, have suffered most. Many growers traveling in the United States now will be surprised when they return home again. The bulbs of the kinds of hyacinths mentioned will remain small the whole season through. The cause of the damage can be easily explained. The varieties referred to died very early last year, consequently had a long time for rest, and have shown their foliage very early. Some other early varieties, such as single blue Emlins, Baron von Thuyll, Rose Maria Cornelia, etc., have also suffered heavily.

Tulips and narcissi promise good plants unless damaged by frost later on.

J. B.

European Notes.

A decidedly cold wave has reached the whole of northern Europe, and cutting winds from the east, combined with several degrees of frost almost every night, are playing havoc with the young shoots of cabbages and other brassicas, and plowing up is the order of the day. Holders of reliable stocks should guard them carefully, they will be worth more money next season.

At this date last year the spinach plant was well up in many districts, but this season we are only now able to sow. It is probable that deliveries will be later this year. Fortunately, last year's seed was of very strong growth, and can confidently be relied on for early Fall sowings.

Owing to a great falling off in the demand for pole beans the prices have dropped considerably; if, however, we are favored with a few May frosts, sellers of to-day may be buyers at considerably advanced prices.

EUROPEAN SEEDS.

CATALOGUES RECEIVED.

F. & F. NURSERIES, Springfield, N. J.—Price List of Nursery Stock

CHARLES BLACK, Hightstown, N. J.—Price List of Nursery Stock, Plants, etc.

H. T. HARMON & CO, Portland, Me.—Catalogue of Seeds, Implements, etc. Illustrated.

EDWARD GILLETT, Southwick, Mass.—Catalogue of Hardy Ferns and Flowers, Shrubs, Roses, etc.

JOHN H. DUNLOP, Toronto, Ont.—Catalogue of Roses, Chrysanthemums, etc., including all the novelties.

ANDORRA NURSERIES, Chestnut Hill, Pa.—Wholesale Trade List of Nursery Stock, also Price List of Trees, Roses, Fruit, etc.

A Morning at Council Bluffs.

J. F. Wilcox has made such a radical change in his plant that those of us who saw it some two years since, when at Omaha (and retain many pleasant recollections of our visit), would hardly recognize the place. New structures have taken the place of old; the range extending to the crest of the hill (where grew those luscious grapes) will consist of eight houses, each 200x25 feet, three-quarter span, so situated that they will catch the sun all day. The grade averages 5 feet to each house or 20 to the hundred. These houses are for roses, Beauty, Golden Gate, Meteor, Bride and Bridesmaid being equally grown, with a full measure of success. At time of my visit stock was in excellent shape, houses and plants clean, no undergrowth being allowed. The block of ten houses, same size as the new ones, is on the lower slope, and is used chiefly for carnations, of which White Cloud, Daybreak, Scott, Crane, Maceo and Mrs. James Dean are the leaders. Flora Hill is grown for an early crop. Bradt is very fine, two houses in full crop being a beautiful sight. The new rose Liberty will find a place here.

Easter stock is very promising; this is grown chiefly for retail, which branch is extensive. At the same time Mr. Wilcox is devoting considerable attention to wholesaling, establishing a shipping trade both East and West.

Spring plant business is important, a separate range of glass being set apart to handle this branch. One hundred thousand pansies for instance are raised in addition to numerous other stocks. Garden truck is produced at another and what was the original plant.

Mr. Wilcox attributes his success largely to the beneficial influence of the several trade gatherings, where the intermingling of bright lights cannot but diffuse knowledge, of which the smart, up-to-date grower or retailer is ever ready to take full advantage. W. M.

CALIFORNIAN SEEDS

Contract Prices for 1900 Harvest on Application.

WHOLESALE ONLY.

PERRY WATSON & CO.,
SACRAMENTO, CAL.

Mention the Florists' Exchange when writing.

GREAT BARGAINS

SEE LAST ISSUE OF THIS PAPER.

If prices are too high, make us an offer on what you want, and if we can accept we will do so.

Note our Ampelopsis, Clematis Paniculata, Privet, and young stock for transplanting. **ELIZABETH NURSERY CO., Elizabeth, N. J.**

Mention the Florists' Exchange when writing.

Fern Spores Extra large packet of fresh Spores. Best varieties assorted, sufficient for 3000 or more plants, $1.00. **Collection** of 12 best varieties, each separate, $5.00.

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SPECIALTIES:

Wax Beans, Lima Beans, Salt Bush, Bermuda Grass, Johnson Grass, Sweet Peas, Cosmos, Verbenas, Asters, Tree and Shrub Seeds, Onion, Lettuce, Celery, Carrot, Parsnip, Salsify.

Calla, Freesia, Amaryllis Bulbs, Pampas Plumes. Correspondence Solicited.

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OF FOLLOWING SPECIALTIES:

Lima Beans—Bush and Pole, Kentucky Wonder, Tall Oerm'n Wax, Creaseback, All other sorts Pole, Bermuda Grass, Canaigre, Carrot, Celery, Lettuce, Onion, Parsnip, Radish, Salsify, Salt Bush, These New Vars. California Giant Branching Comet Asters, Ceotaurea Imperialis, Dianthus, Oriental Beauties, Masterpiece Pansy, Winter Pineapple Muskmelon, Chilian Watermelon, Australian Brown Onion, Triumph Radish, Roselle, or Lemonade Plant, Asters, choice, Cosmos, choice, Sweet Peas, Verbenas, Calla Bulbs, Freesia Bulbs, Seeds of all varieties of Acacias, Cypresses, Eucalyptus, Palms, Thujas, Musa Eoseta, Camphor Tree, Grevillea, California Big Tree, California Redwood Tree, Etc.

Correspondence Solicited.

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Early Ohios.....$3.50 per bbl.
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Late Rural New Yorker, No. 2...$3.00 per bbl.

Ship at any time. Remit by P. O. or Express Order or Registered Letter.

Estabh'd 32 years. Special Price on **Garden Seeds.**

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TUBEROSES=The Pearl

	Per 100
A1 Bulbs, free on cars, New York City	$6.00
No. 2 " " " "	3.00

500 at 1000 rate

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FRESH ON HAND.

	100	1000	3000
Phœnix Tenuis	$0.75	$5.00	$13.50
" **Pumila**	1.00	8.00	22.50
Pandanus Utilis	1.25	10.00	27.50
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Aster Victoria, branching, mixed, pale pink, lilac and purple, a good mixture for florists' use, 50 cts per oz.

FOR EASTER! Crimson RAMBLERS, from 4 to 6 feet high, 2 feet wide, in full bloom for Easter.

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Best Quality at Lowest Rates.

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FOR FLORISTS.

All Home-Grown Seeds.

	¼ Oz.	Oz.
Aster, Vick's Daybreak, Pink	$1.50	$4.00
" " Purity, White	2.00	6.00
" Branching Comet, White	2.50	8.00
" Vick's Branching, in colors, White, Pink, Crimson and Purple, each	.25	.75

Trade List, also Garden and Floral Guide, now ready. Send for it.

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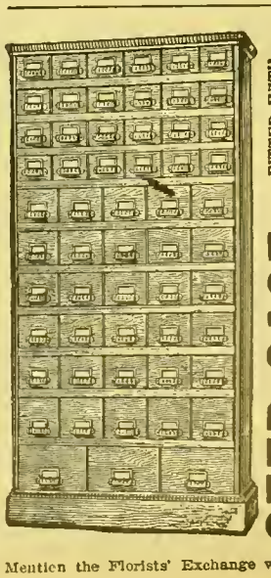

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And a general assortment of **HARDY NURSERY STOCK.** Write for prices. It will pay you.

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Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.

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NORWAY MAPLES.	Per 100	SILVER MAPLES.	Per 100
1⅛-1¼ in. cal., 10-14 feet	$35.00	1¾-2 in. cal., 12-14 feet	$25.00
1¾-2 " " 12-16 "	60.00	2-2¼ " " 14-18 "	35.00
2-2¼ " " 14-18 "	90.00	2¼-2½ " " 15-18 "	50.00
2¼-2½ " " 16-19 "	110.00	2½-3 " " 16-20 "	75.00
		3-3½ " " 18-21 "	100.00

These are grown wide apart, have good fibrous roots, straight trunks, single leaders, symmetrical tops. CAR LOTS.

ISAAC HICKS & SON, Westbury Station, Nassau County, New York.

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AMPELOPSIS VEITCHII 2 year, strong per 100, $7.00.

	Per 100
Clematis Jackmanii, 2 year, extra strong	$14 00
Standard Hydrangea, P. G., 3-3½ ft.	18.00
Standard Lilacs, assorted, 3-4 ft.	10.00
Standard Japan Snowball, 3½-4 ft.	18.00

These prices are good only till surplus is reduced. Send for list of other stock. Roses, Herbaceous Plants, Ornamental Trees, Small Fruit and Fruit Trees

Jackson & Perkins Co., Newark, New York.

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MAPLES.

Norway, 8 to 15 ft.; Silver, 8 to 15 ft.; Sycamore, 8 to 9 ft; Negundo, 6 to 8 ft. Poplar, Carolina, 8 to 12 ft.

Arbor Vitæ, 1 to 1½ ft.	$2.00 per 100	
" " 1½ to 2 "	4.00	"
" " 2 to 3 "	6 00	"
" " 3 to 4 "	10.00	"

M. F. TIGER, PATCHOGUE, N. Y.

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SMILAX.

From flats, by mail, 50 cts. per 100; $1.00 per 1000. From 2 in. pots, $1.50 per 100; $13.00 per 1000.

CANNA, large-flowering, mixed, $1.00 per 100.

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The BEAUTIFUL and RARE **AZALEA (Rhododendron) VASEYI**

Introduced by us, is planted by thousands in Franklin Park, Boston, Prospect Park, Brooklyn, and other leading parks of America. A mass of pink and white flowers in early spring. Unequalled in Cemetery Work. It can be seen now in every large cemetery.

Strong Budded Plants { 18 to 24 ins., $15.00 per 100. / 2 to 3 ft. 35.00 " / 3 to 4 " 50.00 "

Many new and rare species of Hardy American Plants and Carolina Mountain Flowers. Wholesale Catalog to Park and Cemetery Officials and the trade generally.

Correspondence Solicited. Address

Proprietor HIGHLANDS NURSERY, Kawana, North Carolina. **HARLAN P. KELSEY, Tremont Building, Boston.**

TREES Fruit Trees, Small Fruits, including grapes, Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

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EASTER AND SPRING, 1900.

Clematis. in the best market varieties, mostly Jackmanni, $20 per 100.

H. P. Roses, true to name, strong, fine plants, $10 per 100; $80 per 1000.

Azalea Mollis. Dwarfs, fine, well-budded plants, $35 and $45 per 100.

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Lilacs, for forcing, $45 per 100.

Pæonia Sinensis, in the best varieties, true to name, $15 per 100.

Bleeding Heart, mammoth clumps, $10 per 100.

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Tuberous Rooted Begonias, in separate colors, the cream of the market. Single, as above, $25 per 1000; $3 a 100. Double, " $40 " $5 "

CYCAS REVOLUTA

The true long-leaf variety, will be on hand during April. Write for prices on all other goods to

F. W. O. SCHMITZ, Jersey City, N. J.

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BEFORE PLACING ORDERS **SECURE OUR PRICES** ON ALL LINES OF STOCK.

THE SUGAR MAPLE

Is a beautiful tree at all seasons, and no better variety can be used for **Street, Park,** or **Lawn Planting,** as its growth is rapid and straight, its form symmetrical, and it does not have the objectionable density of foliage possessed by the Norway Maples. For this reason it is well adapted for planting near buildings, as it does not obstruct light or air, and being **deep rooted the grass will grow up to its very trunk, which is a very strong point in its favor.** No tree has more gorgeous Autumn coloring, as it varies in all shades of yellow, orange and scarlet until the leaves finally fall. It was a sagacious popular instinct which selected this as one of our best trees for ornamental planting, and in some of the old places on the Hudson River long avenues were planted with it three quarters of a century ago, and they are now worth a long journey to see. We have an extra large stock of magnificent trees, many times transplanted, which we know offer at the following low prices:

		10	100	1000
10 to 12 ft. In height,	1¼ to 1½ inches in diameter	$5.00	$33.50	$290.00
12 to 14 ft. "	1½ to 1¾ " "	6.00	35.00	300.00
14 to 15 ft. "	1¾ to 2 " "	10.00	75.00	500.00

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Choicest Home-Grown Seed in white, shell-pink and lavender, ¼ oz., 25c.; oz., $1.00. Catalogue on application, of leading flower and vegetable seeds for florists and market-gardeners.

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OAKS 10,000

Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

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100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

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TREES! TREES!

Norway, Sugar and Silver Maples
Norway Spruce and Arbor Vitæ.

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LARGE ELMS ALTHÆAS VIBURNUMS

And Other Ornamental Stock.

SEND FOR PRICE LIST.

SAMUEL C. MOON, Morrisville, Bucks Co., **Pa.**

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FRUIT and ORNAMENTAL TREES,

Shrubs, Vines and Roses.

Write for price list or send your lists of wants for special prices.

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OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.

Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda aliida, Fothergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Dionæa muscipula, Lupinus diffusus, Phlox subulata, Sarracenias, etc., etc. **Ask for Trade Lists.**

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2,000 APPLE TREES

5 to 7 feet; ¾ inch up. General Selection.

—ALSO—

500 YORK IMPERIAL, 200 BEN DAVIS, 300 Grimes Golden, 150 Mam. Blackturg, 250 Jonathan.	2 year, 5 to 6½ feet, ⅝ to ¾ Handsome trees.

The Above will all be Sold at a Bargain.

C. L. LONGSDORF, Floradale, Pa.

Mention the Florists' Exchange when writing.

BOBBINK & ATKINS,

RUTHERFORD, N. J.

H. P. Roses, in Standard and Bush form.
Climbing Roses: Crimson, Yellow, Pink, and White Ramblers.
Standard Crimson Rambler.
Magnolias.
Hardy Azaleas.
Hybrid and Parsons' Rhododendrons.
Clematis: Paniculata and Jackmanni vars.
Colorado Blue Spruce (Grafted stock only).
Fancy Evergreens.
Buxus in Standard and Pyramidal form.
Aucuba.
California Privet.
Hydrangea Paniculata Grandiflora, in Bush and Tree form.
Tree Pæonies.
Shrubs.
English Ivy, Etc., Etc.
Hardy Phlox, variegated **Arundo, Anemone Japonica.**
And all other leading Herbaceous Plants.
Dahlias, in 500 named varieties.
Tuberous Begonia, single and double.
Gloxinias.
Caladiums.
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Grafted Tea Roses, in leading varieties

VISITORS can reach us by taking the Christopher or Barclay St. Ferry from New York, connecting with the Electric cars in Hoboken. Cars pass our Nursery. Take Erie R. R., W. 23d or Chambers St. Ferry, New York, to Rutherford, N. J.

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C. H. JOOSTEN, SPECIAL, Hardy Azaleas, Rhododendrons, Dwarf and Tree Roses, Crimson Ramblers, Hermosa, own roots, Spring Flowering Bulbs, Etc.

Catalogue on Application. **85 DEY STREET, NEW YORK.**

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NOTES BY THE WAY.

OMAHA.—Hess & Swobada report a very busy season, with stocks fine, plenty, and bringing good figures. Jubilee is a favorite among the several scarlet carnations.

S. J. Stewart was almost too busy to say howdy. The open weather has given the seed trade a boom that keeps all hands on the run.

ST. JOSEPH, MO.—W. Krumm & Sons are remodeling their store to add to the attractiveness of the Easter display. They keep their place well supplied with seasonable stock. Business has been very satisfactory. J. N. Kidd speaks in a similar vein; his Daybreak carnations are the talk of this section.

L. J. Stuppy is an ardent disciple of Izak Walton, and has an invitation to try his luck in the fishing ponds of one of the prominent craftsmen of Kansas City.

KANSAS CITY, MO.—R. S. Brown & Sons report one of the best seasons for several years. Should the demand continue it will be a record breaker.

Hunfeld Floral Co. are fortunate with some good lilies, which are none too plentiful with the most successful growers this season.

Sam'l Murray is strong in blooming stock for Easter—both pot grown and on the bench. His store will be very attractive when completed. Touching up is perfectly in order just now during the lull.

W. L. Rock reports heavy business in decorative and funeral work, and finds his handsome store just the thing for the times.

Arthur Newell keeps two stores running, and finds plenty to do.

LAFAYETTE, IND.—One of the most interesting sights at F. Dorner & Sons' establishment is the house fitted with sub-irrigating beds. It is an expensive but complete construction, built to stay—on brick piers, cement floor. Greater care is required in the manipulation of this house, which is used entirely for cuttings. At present it is filled with carnations, which are taken out in batches; many are transplanted into flats, to harden up before being sent out. Special orders are treated in this manner. The stock of cuttings is immense, and is going out at a lively rate. The houses of seedlings are at their best just now. One can be pardoned for waxing enthusiastic over the lovely collection, embracing almost every tint and color. But few also are of commercial value; for instance, of 181 seedlings of 1898, which year produced the best crop, about 50 will be given another trial, possibly reducing the list to a dozen or so really well-tried and satisfactory kinds, which will include a vivid scarlet with Jubilee blood in it, a clear yellow, a satiny white—its equal I have not yet seen. Another, a result from crossing Pingree and Bradt, is a lovely white, with the faintest pencilings of scarlet. Those mentioned are the cream of the assortment, and the most promising of the futures. I was much struck with a scarlet in its fourth year—not seat out under name. While not a large flower, it is perfect in form, freedom of flowering and color. The pistils are also scarlet. All looking for a scarlet for every-day use should give this one a trial. A shell pink is a candidate for honors, but Morning Glory shines above all. Daybreak looks as fine as ever here, but when compared with the newer kinds its lustre is dimmed. Glacier is the finest of the disseminated whites, and blooms free enough to be considered desirable for floral work. White Cloud is grown upon irrigated benches and on ordinary benches in Balsley's bottomless pots, and look about the same. A house of Crane is immense, although the plants have been cut closely for cuttings. To see this grand scarlet at home should encourage those who may not have been very successful with it this season to give it a further trial.

Roses are secondary here. Fred., Jr., is greatly in favor of grafted stock, but, not holding it over one season, claims heavier and earlier crops.

But when I saw the magnificent Kaiserin, Bride and Bridesmaid, grown on own roots by J. Newby & Son, when visiting their houses at Logansport shortly after, one-year-old stock at that, it is to my mind a vastly open question as to the advantage of grafted over own root, all things considered. Another house will be added shortly for the new white carnation Peru, which is doing even more satisfactorily than with its raiser, J. F. B. Tinker. This is a charming white, surpassing White Cloud or Flora Hill, embracing the floriferousness of the one with the earliness of the other, and overreaching either in size and strength. Messrs. Newby have a pink seedling named "Dream." It struck me as being a reality, as it is a lovely flower, and in its third season. Rose Maid of Honor is badly affected with mildew; the proportion of perfectly formed buds is almost nil. W. M.

Rochester, N. Y.—The property of the late R. C. Brown is valued at $100,000, and by his will is to be divided between his widow and little daughter.

CANNAS Mme. Crozy, Charlotta, Paul Marquant A. Bouvier, Burbank, $1.50 per 100.
Pansy, Vaultier's Mammoth, Bugnot. **Bellis Perennis,** fl. pl. **Myosotis,** Victoria, $3.50 per 1000. **Stocks,** German, Ten-Weeks, white or mixed, 2½ inch, $1.50 per 100.
Shellroad Greenhouse Co., Grange P.O., Balto., Md.
Mention the Florists' Exchange when writing.

3000 BOX WOOD FOR SALE.
DWARF, WELL ROOTED,
at $2.00 per 100.
JOHN KREADY, Central Park Nur., MT. JOY, PA.
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LETTUCE Boston Market, Tennis Ball, Curled Simpson, Grand Rapids, and other vars., 15c. per 100; $1.00 per 1000; $8.50 per 10,000; if by mail, add 10c. per 100.
TOMATO Small plants for transplanting, in several varieties, 15 cts. per 100; $1.00 per 1000.
PEPPER Small plants for transplanting, in several varieties. 25c. per 100; $2.00 per 1000. If by mail, add 10c. per 100.
EGG PLANTS New York Improved for transplanting, 25c. per 100, $2.00 per 1000.
CELERY Golden Self Blanching and White Plume, 15c. per 100, $1.00 per 1000
Other vegetable plants in season. Cash with order.
R. VINCENT, JR., & SON, White Marsh, Md.
Mention the Florists' Exchange when writing.

NORWAY MAPLES.
1000 8 to 10 feet.
1000 6 to 7 "
700 4 to 6 "
700 3 to 4 "
100 1 to 2 "

IRISH JUNIPERS.
500 3 to 4 feet.
500 2½ to 3 "
500 2 to 3 "

10,000 Peach Trees, General Assortment
The Maple and Juniper will be sold at very low prices in order to close out.
C. L. LONGSDORF,
Oak Hill Nurseries, Flora Dale, Adams County, Pa.
Mention the Florists' Exchange when writing.

A Picture of the....



EXPANSIVE TREE PROTECTOR.
Absolutely prevents all worms and insects from crawling up fruit and shade trees. For agency, territory and prices, address
EXPANSIVE TREE PROTECTOR CO.,
ROCHESTER, N. Y.
Mention the Florists' Exchange when writing.

SHRUBBERY.
200 Hydrangea P. G., 2 to 2½ ft.....at 7 cts
40 " " 6 yr. heavy... 15 "
200 Golden Mock Orange, 2 to 2½ ft. 7 "
50 Forsythia Veridissima, " 5 "
100 Althea, dbl. red, 2½ to 3 ft..... 7 "
25 " " blush " ..... 7 "
50 Japan Snowball, " ..... 10 "
25 Common Snowball, " ..... 7 "
20 Weigela Rosea, 5 ft. heavy .... 10 "
W. P. BRINTON, Christiana, Pa.
Mention the Florists' Exchange when writing.

SURPLUS FOR SPRING 1900
Can yet do PEACHES and JAPAN PLUMS in limited quantity: also MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY, STRAWBERRIES from best leading varieties. Prices for same given upon application.
MILFORD NURSERIES, Milford, Del.
ALEX. PULLEN, PROPRIETOR.
Mention the Florists' Exchange when writing.

STRAWBERRY and other SMALL FRUIT PLANTS
FRUIT TREES, Etc.
Strawberry plants, such as Michel's, Tennessee and Earliest at 40c. per 100, $1.50 per 1000; Wm. Belt, Gandy, Buhach, Haverland, Kentucky, Glen Mary, Marshall, Lovett, Eclipse, Greenville, Champion England, Pride of Cumberland, Carrie, Clyde, Hall's Favorite, Lady Thomson, Bismarck, Cumberland, Seaford and some others at 50c. per 100, $2.00 per 1000; Nick Ohmer, $1.00 per 100, $4.00 per 1000; Pres. Lincoln, $1.00 per 100.
Asparagus Roots, strong, 2 year, Conover's, Colossal, Palmetto and Barr's Mammoth, $1.00 per 100; $4.00 per 1000.
10,000 Kansas (black) Raspberry, 75c. per 100; $4.00 per 1000; $7.00 per 2000. Other Raspberries, Blackberries, etc., Peach and other fruit trees. For price list address
CHAS. BLACK, Hightstown, N. J.
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P. OUWERKERK
1123 Summit Ave., Jersey City, N. J.
Just received from our Holland Nurseries
RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM
PÆONIES, BLEEDING HEART
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.
PRICES MODERATE.
Mention the Florists' Exchange when writing.

CANNAS The THREE BEST Solid Red CANNAS: BLACK PRINCE, $10.00 per 100; PHILADELPHIA, $4.00 a 100; DUKE OF MARLBOROUGH, $4.00 a 100.
BOSTON FERN Strong, 2½ inch, $5.00 per 100. | YELLOW RAMBLER, PINK RAMBLER, TWO YEAR, $8.00 per 100
THE CONARD & JONES CO., West Grove, Pa.
Mention the Florists' Exchange when writing.

THE "NOVELTY" OF NOVELTIES FOR 1900
NEW—"MRS. KATE GRAY"—CANNA
A MAGNIFICENT HYBRID RESULTING FROM A CROSS OF ITALIA×MAD. CROZY

The Color is a rich shade of orange scarlet overlaid with gold, a superb coloring which in open sunlight is simply dazzling. **The Form** is an ideal of the Crozy type of bloom, the petals being very broad and overlapping, measuring 2½ to 3 inches wide, while the individual flowers are from 6 to 7 inches across. **The Texture** of the flowers is all that could be desired; they partake of the nature of the pollen parent or Crozy race in this respect, and withstand our hottest summer suns without wilting. **The Foliage** is a bright glossy green, equal to a Musa in size and substance and forms a beautiful foil to the gigantic trusses of bloom. **The Height** of the plant is 6 to 7 feet, the growth is luxuriant to a degree, but very compact; the massive foliage, giant trusses, and enormous individual flower, give the plant a noble tropical appearance. **It is the Only Canna** of its kind in existence, and absolutely surpasses all others its intrinsic value will make it a leading standard sort for years to come.

PRICES.—Strong roots, 35c each; $3.50 per dozen; $25.00 per hundred. Terms strictly cash with order, no exceptions. Stock limited; orders filled in strict rotation. Address,

HOWARD & SMITH, Nurserymen, P. O. Box 484, Los Angeles, Cal.
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(To be shortly issued.) A working handbook of every-day practice for the florist or gardener. Price, $1.00.

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A Complete Manual on the Planning, Planting and Maintenance of Home Grounds, from a 25x100 foot lot to large estates. Full cloth. Price, $2.50.

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The only text book published that deals exclusively with the cultivation of Aquatic Plants and Accessories. Price, $2.00.

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Success with House Plants.
For Florists to sell over the counter to customers. Cloth, $1.00; paper, 50 cts.

Right Word in the Right Place.
A Dictionary of Synonyms. Paper, 10c.

The above books are all from the press of the publishers of the FLORISTS' EXCHANGE, and will be added to steadily. They are standard authorities in trade lines, and every tradesman and grower should possess this library. For sale by

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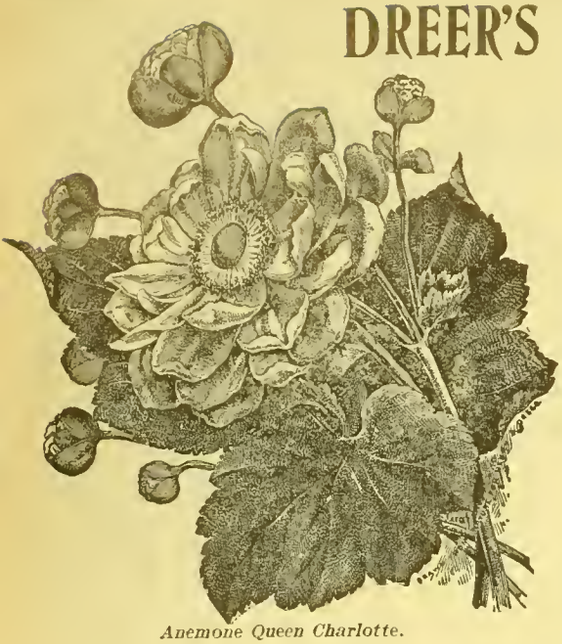
DREER'S SEASONABLE OFFER OF HARDY PERENNIALS



Anemone Queen Charlotte.

THE increased demand for this class of plants, not only by the amateur for the planting of private grounds but also for florists' use for cutting during the Summer and Fall months, has induced us to greatly increase our plantings of this stock. Our grounds at Riverton, N. J., being especially suited for the growing and quick development of most perennial plants, we are in a position to supply first-class stock at low prices.



Deutzia Lemoinei.

Special List of Perennials Suitable for Cut Flowers.

	Per doz.	Per 100.
Achillea The Pearl. 2¼-inch pots	$0 60	$4 00
Anthemis Tinctoria. 2¼-inch pots	60	4 00
" " **Kelwayi.** 2¼-inch pots	60	4 00
Anemone Japonica Alba. 2¼-inch pots	60	4 00
" " **Elegans.** 2¼-inch pots	60	4 00
" " **Lady Ardilaun.** 2¼-inch pots	60	4 00
" " **Whirlwind.** 2¼-inch pots	60	4 00
" " **Queen Charlotte.** New. 2¼-inch pots	1 25	10 00
Boltonia Asteroides. Strong divisions	75	6 00
" **Latisquama.** " "	75	6 00
Caryopteris Mastacanthus 2¼-inch pots	60	4 00
Ceanothus Gloire de Plantieres. 3-inch pots	2 50	20 00
Clematis Recta. Two-year-old	1 50	12 00
Coreopsis Lanceolata. Strong clumps	75	6 00
" " **Grandiflora** Strong clumps	75	6 00
Delphinium Chinensis. One-year-old	75	6 00
" **Formosum.** " "	2 00	15 00
" **Sulphureum.** Two-year-old	2 00	15 00
" **Belladonna.** 3-inch pots	2 50	20 00
" **Frau Emma Metzger.** 2½-inch pots	2 50	20 00
" **Wilkie Collins.** 2¼-inch pots	1 00	8 00
Doronicum Austriacum. Strong plants	1 50	12 00
" **Caucasicum.** " "	1 25	10 00
" **Excelsum.** " "	75	6 00
Eupatorium Coelestinum. Strong divisions	75	6 00
Gaillardia Grandiflora. 3-inch pots	1 00	8 00
" " 4 "		

	Per doz.	Per 100.
Gypsophila Paniculata. Strong one-year-old	$0 75	$6 00
Helenium Autumnale Superbum. Strong divisions	1 00	8 00
" **Bolanderi.** Strong divisions	1 00	8 00
" **Grandicephalum Striatum.** Strong divisions	75	6 00
" **Pumilum.** Strong divisions	1 25	10 00
Helianthus Multiflorus, fl. pl. Strong divisions	75	6 00
" " **Maximus.** " "	75	6 00
" **Maximilliana.** Strong divisions	75	6 00
" **Rigidus.** Strong divisions	75	6 00
Heliopsis Pitcherianus. " "	75	6 00
" **Scaber.** " "	75	6 00
" " **Major.** New. 2¼-inch pots	1 00	8 00
Heuchera Sanguinea. 3-inch pots	1 25	10 00
Hollyhocks, Dreer's Superb Double. Strong clumps, White, pink, salmon, yellow, bright red, maroon	1 25	10 00
Choice Mixture. Strong clumps	1 00	8 00
Hollyhocks Allegheny. Mixed. Strong clumps	1 25	10 00
Hypericum Moserianum. Two-year-old plants	1 00	8 00
Iris Kæmpferi. 24 finest named varieties. Strong	1 50	10 00
" " Choicest mixture	1 00	8 00
Incarvillea Delavayi. New	4 00	
Lychnis Vespertina Alba Plena. Strong clumps	2 00	15 00
" **Chalcedonica, fl. pl.** Strong, 3-inch pots	1 50	12 00
" **Viscaria Splendens.** Strong clumps	1 25	10 00

	Per doz.	Per 100
Physostegia Virginica. Strong divisions	$0 75	$6 00
" " **Alba.** Strong divisions	75	6 00
Platycodon Japonicum, fl. pl. Strong clumps	1 00	8 00
" **Mariesi.** Strong clumps	75	6 00
Primula Veris. English Cowslip	75	6 00
Pyrethrum Hybridum. Choice mixed seedlings, clumps	1 00	8 00
" " Choice mixed seedlings, 3-inch pots	75	6 00
" **Uliginosum.** Strong divisions	1 00	8 00
Ranunculus Acris, fl. pl. " "	75	6 00
Phlox The Pearl. Fine white, 2¼-inch pots	75	5 00
" 25 finest varieties in cultivation, 2¼-inch pots	75	5 00
Rudbeckia Golden Glow. Large clumps	1 25	10 00
" " " Strong divisions	50	3 00
" **Newmani.** " "	75	6 00
" **Purpurea.** " "	1 00	8 00
Scabiosa Caucasica Blue. 3 inch pots	1 25	10 00
" " **Alba.** 3 "	1 25	10 00
Statice Latifolia. One-year-old plants	1 25	10 00
Tritoma Uvaria Grandiflora. Clumps	1 50	12 00
" " Strong divisions	75	6 00
" **Pfitzeri.** New. Strong divisions	1 50	10 00
Veronica Longifolia Subsessilis. Clumps	2 00	15 00
" " " 2¼-inch pots	75	5 00
" **Spicata.** Strong divisions	1 00	8 00
" " **Alba.** Strong divisions	1 00	8 00

SPECIALTIES IN SHRUBS.

Deutzia Lemoinei. A grand improvement on D. Gracilis; strong one-year-old plants, $1.25 per dozen; $10.00 per 100; $90.00 per 1000.

Azalea Mollis. Fine bushy plants, 15 inches high, $5.00 per dozen; $40.00 per 100.

Hardy Rhododenrons. 12 to 15 inches high, well set with buds, $5.00 per dozen; $40.00 per 100. 15 to 18 inches high, well set with buds, $7.50 per dozen; $60 00 per 100. 18 to 24 inches high, well set with buds, $12.00 per dozen; $90.00 per 100.

Hydrangea Paniculata Grandiflora. Strong bushy plants, 20 to 24 inches high, $1.25 per dozen; $10.00 per 100. Standard or Tree-Shaped, fine plants. $4.00 per dozen, $30.00 per 100.

Azalea Pontica (Hardy Ghent). Bushy plants, 18 to 24 inches high, $6.00 per dozen; $45.00 per 100.

Weigela Eva Rathke (New.) The finest of all the Weigelas, rich in color and free flowering; heavy two-year-old plants, 35 cts. each; $3.50 per dozen.

Clematis Hybrids. All the leading varieties—Jackmanni, Henryi, Duchess of Edinburgh, etc.; strong two-year-old plants, $3.00 per dozen; $25.00 per 100.



Helianthus Multiflorus Maximus.

Headquarters for Palms, Ferns and All Decorative Plants.

Our new **Quarterly Wholesale List,** which has just been issued, gives full descriptions of a complete line of Palms, Ferns, etc. Many varieties in sizes of special value for the Easter Trade will be noted among these.

ADIANTUM CUNEATUM.

A grand lot for immediate use.

2¼-inch pots	50 cts.	per dozen,	$3.50	per 100,	$30.00 per 1000.
3-inch pots	75 cts.	"	$6.00	"	$50.00 "
5-inch pots	$2.00	"	$15.00	"	$140.00 "

Headquarters for Water Lilies and Other Aquatics.

Now is the time to decide on what you intend to do in this line the coming season. Hardy Nymphæs to give best results should be planted early. If you need any information as to what and how to plant our Mr. Tricker will be glad to offer practical suggestions.



Rudbeckia Purpurea.

HENRY A. DREER, 714 Chestnut Street, Philadelphia, Pa.

Our Paris Letter.

The cold season is still with us. Trade in seeds in general is consequently slow, although plantings of stocks are commencing now.

Work in connection with the exhibition is advancing, and it is hoped that the opening will take place on April 15.

A Rose Congress will be held on June 13; Abel Chatenay, Vitry-sur-Seine, is secretary. There will also be an International Congress of Arboriculture and Pomology on September 13 and 14. In connection therewith two excursions for the members will be organized, one to Fontainebleau and Thomery—the latter place famous for its outdoor grape culture—the other to Versailles, our great horticultural center.

It is also said that the exhibition will close October 31, with a large show of chrysanthemums.

Some Novelties.

Below I give names and short descriptions of the principal new plants of this and last year, excepting stove plants, ferns and palms. These are but a small part of the new things sent out in this country, in vegetable, farm and flower seeds, there being also many sorts of new cabbages, lettuces, potatoes, beans, radishes, peas, etc., which would not interest American growers, as well as many new kinds of Zonal pelargoniums, fuchsias, chrysanthemums (some hundreds of varieties), heliotropes, petunias; also bulbous plants, such as dahlias (especially cactus sorts), cannas, gladioli —Lemoine's, gandavensis and nanceianus —montbretias, etc., and numerous trees, shrubs and roses.

In the farm and vegetable section may be mentioned two mangolds—Giant White Half-sugared Green Top and Giant White Half-sugared Red Top. These two sorts are remarkable for the regularity of their form, ovoid-elongated; are very large, possessing a single tap root. They are richer in sugar than the red and yellow sorts, and have been proved to resist the great heat and drought of last Summer.

Endive-Chicory Titmoise produces leaves which resemble those of the dandelion, but better furnished in the center, nearly as much as seen in Meaux endive; the roots are as large as those of Cichorium intybus. The variety is very easy to blanch.

Carica papaya—Mr. Chartier, an able gardener of Pierry Marne, says Le Jardin, has succeeded in obtaining fruit of this plant. It must be cultivated as the melon or cucumber is. This gentleman says it is a good acquisition.

Bean L' Inepuisable—This has been largely grown for several years. It comes from the Flageolet but is a distinct variety, producing flowers in pyramids at the head of each stem. It is very early and free flowering and keeps on producing young thin haricots two to three months. It is also good for forcing.

Everbearing Large Strawberries—Much is thought of the varieties of large everbearing strawberries, which appeared five or six years ago in San José and Louis Ganthier, followed soon after by Joan of Arc, La Constante Feconde, Leon XIII., Oregon, and, last year, by Saint Antoine de Padone, offered by Vilmorin, a cross between Saint Joseph and Royal Sovereign. The last named is a decided success. The most popular of this class to date is Saint Joseph, it being a good grower and giving crops of medium-sized fruits, beginning in June, and remaining outdoors till the first frosts. It is also a forcing variety.

Among annuals and outdoor flowers may be mentioned the following:

Amaranth Hybrid Brilliant—A variety of Amaranthus tricolor, obtaining a height of 5 feet on a single stem more or less ramified. From base to top this plant produces variegated red leaves, with numerous flowers of vivid carmine, yellow, etc. It is a magnificent variety and very decorative. Offered by Cayeux & Le Clerc.

Begonia Gracilis—A new begonia in the way of Versaillensis; color pure rose. Much esteemed for bedding outdoors.

Begonia Aigrette—This begonia, as announced by Le Jardin, was found among seedlings of Begonia semperflorens atropurpurea. The habit, foliage and dimensions are the same as in the latter variety, the female flowers being well and naturally formed; but all the male flowers abnormally so, and this anomaly is constant, the stamens having been supplanted by a bouquet of brilliant yellow pistils, forming a striking contrast to the red color of the petals and being very showy. Mr. Cappe, of Vesinet, the originator, has grown this plant for two years, outdoors, in Summer, and says that its flowers can be taken for those of calceolarias among begonias. The blooms keep well. This variety would be suitable for pot culture. As it is now well fixed and constant, it will be used largely in France for bedding outdoors in Summer.

Celosia cristata—This curious plant is intermediate between Celosia cristata and Celosia pyramidalis. The central stems expand as a cockscomb, the side branches forming plumes. It is of fine ruby color. The leaves, which are similar to those of Celosia salicifolia, are bronzed green, bordered with dark red. It is easily reproduced from seed. Offered by Rivoire & Son.

Helianthus cucumerÆfolius Orion is an improvement on the old sort, being larger and giving the appearance of a single cactus dahlia. Very good for cut flowers. Also offered by Rivoire.

Heracleum Mantsgazzianum is a plant which reaches a large development; very good for isolating on lawns. Specimens two and three years old are very ornamental, producing flower stalks 9 feet in height. The flowers are white. Offered by Cayeux & Le Clerc.

Hibiscus Manihot is a fine decorative plant, producing at the axils of the leaves very large flowers in the form of widened bells. Color is yellow, with light purple spots. The leaves resemble those of ricinus. Offered by Vilmorin.

Lathyrus pubescens—A climbing plant with glaucous green foliage, attaining a height of three to four yards; produces elegant trusses of blue flowers tinted with white and lilac. Good for countries having a moderate climate Also offered by Vilmorin.

Nicotiana sylvestris originated in Argentine, where it grows in some places naturally. Very decorative, with long white tubular flowers. Plants grown to a height of about 6 feet were much admired in isolated groups and large beds in our parks.

Polygonum Baldschunianum—A new climbing plant from Turkestan. Hardy in our Paris climate and very vigorous. The plant reaches a height of 6 yards in one year and produces a profusion of white flowers. Offered by Cayeux & Le Clerc.

Primula orconica (large flowered)—The different large seedsmen announce this year several new improvements of this popular plant, especially in the rose tones.

Salvia splendens (Alfred Raguenеau) —The earliest to flower in this section, beginning in July. Color a brilliant scarlet.

Salvia splendens aucubÆfolia—A variety with variegated foliage in the way of aucuba; leaves green variegated with sulphur or creamy yellow; flowers intense scarlet. Offered by Cayeux & Le Clerc.

Among perennial plants are: Arabis alpina flore-pleno, a new plant; very hardy and useful in Spring for ornamental beds and cut flowers. It keeps flowering outdoors from the end of March till July.

Anemone japonica Mont Rosa—A large flower, opening perfectly; pure rose, lightly lilac colored on the reverse. It is said to be the best obtained to date. Offered by Lemoine.

Astilbe Lemonei pyramidal—Flower stem reaches a height of about a yard. Color milky white, lightly tinted rose. The inflorescences are remarkable for their lightness owing to the divergence of the ramifications. Foliage elegant. This astilbe is hardy, having withstood the rigorous frost in March, 1899, without hurt. Obtained by Lemoine.

Violet La France is the largest flowered variety we have; its color is blue violet with metallic sheen; the petals are very ample and round. The leaves also are solid, dark green, finely dented. This violet is exceedingly vigorous.

Messrs. Rivoire exhibited last Autumn a dahlia named Mme. Réiné Gerard, which seems to be a new departure in dahlias. The white checks which are streaked on the red—main color—of the flower produce a moire effect with particular brightness. This section of dahlias, to be named Dahlia Moire, will, I think, create some surprise. The term "moire" has been chosen on account of the characteristics of the color of the flower.

Porlia pratensis—A new bulbous plant, approaching to and must be grown same as tigridias. The flower stalks attain a height of about one foot and a half, and produce flowers 2 inches in size. Color is a celestial blue, with yellow and white center. The flowers, like those of the tigridia, are of short duration, but come in succession throughout the Summer.

Three new Clematis viticella are announced, named Crateri, Purpurea alba, Purpurea plena elegans; also a hybrid clematis (Ville de Lyon), a cross between Clematis Viviand-Morel and C. coccinea, with medium-sized flowers; color carmine and crimson.

Deutzia Hybrida Lemoinei Boule de Neige (Snowball) is an improvement on Deutzia hybrida Lemoinei, producing globular inflorescences of creamy white flowers, stamens and discs clear yellow; flowers larger than in the parent. Lemoine.

Two New Weigelas—Bouquet rose, large flower; color satiny rose with throat marbled very pale yellow. Flowered outdoors on May 5 last. Fleur de Mai (Mayflower), with numerous serrate flowers, exterior color purple, rose marbled, interior light salmon rose; buds clear purple.

Raspberry Marvel of all Seasons—This raspberry described in Le Jardin is from Red Marvel of All Seasons, and was obtained by Mr. Congy at Ferrieres. It is exceedingly free and strong, giving a crop of excellent fruit on old wood in season, and on the young branches in Autumn. It is not rare to see 200 fruits on the four or five branchlets on a single plant.

E. T.

Vegetables Under Glass.

Fungous diseases common to cucumbers, lettuce and tomatoes under glass were considered by Professor G. E. Stone, of the Hatch Experimental Station at Amherst, before the Massachusetts Horticultural Society recently. He said in part:

We shall take up first the subject of cucumbers. These are extensively grown in our State and require a temperature from 65 to 85 degrees Fahr. They are not especially sensitive to mechanical conditions of the soil, neither do they respond very quickly to fertilizer. A good soil for cucumbers is one made of decomposed sod and horse manure. This makes a light, pliable soil. They require all the light possible under glass, especially between the months of November and March, a matter which is too little understood by those growing cucumbers. Some of the so-called diseases can be traced directly to the lack of light in the house. This is especially true where growers have resorted to the practice of using two layers of glass in their houses. The plants under such conditions become yellow; they cannot assimilate the carbon dioxide from the air properly, as the light is largely excluded by the two layers of glass and the usual two accompanying layers of dirt. Frequently under these conditions they behave like plants grown in the dark, their stems become weak and slender and they are rendered more susceptible to disease. When raised under these conditions and exposed to the bright sun of Spring they wilt badly and the foliage becomes quite useless to the plant, as a result of which many cucumbers are stunted, and owing to the lack of assimilation due to the paucity of green foliage the cucumbers grow stubby and bring a low price.

There are ten fungous diseases peculiar to the cucumber. Some of these are of rare occurrence and only show themselves when something is radically wrong with the crop. There are others, however, that are more or less universal and require consideration. Among these may be mentioned the damping fungous which attacks seedlings, the powdery mildew, stem rot, the anthracnose and the wilt. The wilt is peculiar to outdoor cucumbers. This is caused by bacteria, which plug up the vessels, thus interfering with the water supply. This has not been seen on indoor cucumbers in Massachusetts. The powdery mildew is more or less common and can be controlled by attention to moisture conditions and light. It is seldom found on vigorous plants of good texture. The damping fungus is troublesome to young cucumbers, and can be prevented by sterilizing the soil. The anthracnose would seem to be caused by too great a difference between the day and night temperature. On this account it is far more common in the Spring in greenhouses when the fires go out.

Besides fungous diseases there are two or three troublesome pests which belong to the animal kingdom, known as aphis and thrips, both of which are controlled by tobacco; and nematodes, which give rise to galls on the roots and can be controlled by the application of heat or by thorough desiccation of the soil.

Tomatoes require similar temperature and moisture conditions to those of the cucumber. There are some 12 fungous diseases recorded for tomatoes, but the fruit rot and mildew are the most troublesome diseases of these parts. These can be controlled by spraying. They, also, like the cucumbers, are subject to nematodes, and the same method of treatment applies to both.

The lettuce is the most difficult of the three plants enumerated to grow under glass, and no finer examples of skill in lettuce growing can be seen anywhere in the world than in the neighborhood of Boston. The coast soil in the first place is especially adapted to lettuce growing, whereas that in the interior of Massachusetts is not so well adapted, on account of containing a larger percentage of clay and a less amount of coarse material. There are several fungous diseases listed for the lettuce. Among the more important ones are the mildew, top-burn, the drop and the rhizortonia. At the Hatch Experiment Station, Amherst, especial attention has been paid to the diseases of lettuce, and, as in most instances, where we have generally supposed there is a certain abnormal condition brought about by a single disease, we have found a number of distinct ones which frequently require distinct methods of treatment. The most troublesome disease, however, is what is known as the drop. This is caused by a fungus which ramifies through the soil but does not propagate by spores. This disease causes enormous losses in our state. Some houses almost entirely succumb to it, whereas many other growers have from 25 to 50 per cent. of the disease in their houses. It has been found that the best method of treating this disease is by the use of heat or sterilization of the soil. Numerous experiments with gas and chemicals have shown but the slightest efficiency in controlling this. Various methods are being tried to control this disease, one of which consists in covering the soil with a layer of about one inch of sterilized soil. This succeeds in greatly reducing the loss. Two inches of sterilized soil is far superior to one, but the only absolute method known yet is to completely sterilize the soil in the house, or at least to heat it up to about 200 degrees Fahr. This is done by placing 2-inch tile in the soil about one foot deep and passing steam through them. With a large high pressure boiler enormous quantities of soil can be heated up in a very short time to the requisite temperature. Plants grown in such soil are greatly accelerated, on account of the effect of the heat on the humus compounds. When this disease, moreover, is once eradicated, care being taken to prevent the inoculation from refuse heaps, there appears to be no reason why the disease cannot be kept out of the house indefinitely. The same method of treatment would appear to apply to some of the other fungous diseases which do not propagate by spores.

Cincinnati.

Trade Items.

Business is good with enough stock to fill orders. Easter trade will be all we can desire. Bulbous stock will be plentiful; one firm, George & Allan, will have 150,000 bulbs in for Easter. Their two houses of Beauty are extra fine, but the Easter cut will be small. Two houses of Bride and Bridesmaid will be in, but Meteor will be a scarce article.

Max Rudolph is building a new range of glass at College Hill, consisting of four houses, each 125x22 feet. He will also erect a residence at the same place.

The minstrel show given by the Beechwood Band (the Florists' Band) was a howling success, and the treasury was nicely replenished.

E. G. G.

Ulrich Brunner Roses

For Easter We will handle the largest and best lot of Brunners in the East. They are particularly fine. **Prices from $10.00 to $50.00 per 100,** according to grade.

Will also have my usual full supply of

BRIDES, MAIDS, METEORS, BEAUTIES, VIOLETS, CARNATIONS, VALLEY, MIGNONETTE, LILIES, and all other flowers in season.

WRITE ME IN GOOD TIME.
SEND FOR NEW CUT PRICE LIST OF **WIRE DESIGNS.**

THE OLDEST STAND IN NEW ENGLAND

G. A. SUTHERLAND, Wholesale Commission Dealer in Cut Flowers and Florists' Supplies. **67 Bromfield Street, BOSTON, MASS.**

Mention the Florists' Exchange when writing.

BOSTON FERNS

N. Exaltata Bostoniensis.

Large plants, $6.00 to $20.00 per 100. Orders for small plants taken for June delivery.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 inch, $3.00 per doz.
Areca Lutescens, 50c. to $3.00 each.
Latanias, from 75c. to $3.00 each.
Asparagus Plumosus, $1.00 to $1.50 doz.
Asparagus Sprengeri, 3½ in. pots, $1.50 per doz.

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. Connected with Telephone.

Mention the Florists' Exchange when writing.

LATANIA BORBONICA

4 inch pots	$2.50 per doz;	$20.00 per 100.	
5 "	4.75 "	35.00 "	
6 "	9.00 "	70.00 "	
7 "	1.25 each, and fine specimen plants from $6.00 and upwards.		

Areca Lutescens, fine plants from $5.00 upwards.
Kentia Belmoreana and **Forsteriana**—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, well grown, from $2.50 and upwards.
Phœnix reclinata, 4 in. pots, 25c. each, $20 per 100; 5 in. pots, 40c. each, $35.00 per 100; 6 in. pots, 60c. each, $55.00 per 100; 7 in. pots, $1.25 each.
Phœnix Canariensis, Rupicola and **Reclinata,** fine specimen plants, from $3.00 to $5.00 each.
Cocos Weddelliana, from 2 in. pots, $1.50 per doz.

ASPARAGUS SPRENGERI 3 in. pots, $1.00 a doz. 5 in. pots, 25c. each.

JOHN BADER, Troy Hill, **Allegheny, Pa.**

L. D. TELEPHONE 872.

Mention the Florists' Exchange when writing.

UNITED STATES EXOTIC NURSERIES

Please send cash with order or furnish satisfactory trade references, if not already an account with us.

BOSTON FERNS 2 in. pots, $5.00 per 100; $40.00 per 1000; 4 in. pots, $10 per 100; 6 in. pots, $9 per doz.; 8-in. pans, $12 per doz.; 8 in., extra strong, $18 per doz.; extra fine large specimen plants, $3 to $5 each.

KENTIA BELMOREANA Home-grown, 3 inch pots, 25 cts.; 4 in., 50 cts.; 5 in., 75 cts.; 6 in., $1.50; 7 in., $3.00 each.

KENTIA FORSTERIANA 3 inch, 25 cts. each; 4 inch, 40 cts. each.

CYCLAMEN Persicum Giganteum, 3 inch pots, in bud, $8.00 per 100.

EUCHARIS AMAZONICA $12.00 per 100 bulbs.

CARNATION CUTTINGS Flora Hill, $1.50 per 100; $10.00 per 1000. Scott, $1.00 per 100; $8.00 per 1000. Jubilee, $2.00 per 100; $15.00 per 1000. Pingree, $1.00 per 100; $8.00 per 1000.

EASTER LILIES Harrisii and Longiflorum. Extra fine, healthy plants, in bud for Easter flowering, $12.00 per 100 buds; $100.00 per 1000 buds.

U. S. EXOTIC NURSERIES,

Telephone 10 B, Short Hills. **SHORT HILLS, N. J.**

Mention the Florists' Exchange when writing.

AZALEAS . . .
PALMS . . . .
NEW PLANTS
BAY TREES .

SANDER BRUGES, **BELGIUM.**

The largest and finest stock on the Continent.

A. DIMMOCK, our representative, is now in the U. S. and will be pleased to reply to any communications addressed to **60 Vesey Street, New York.** Lists on application.

Mention the Florists' Exchange when writing.

ORCHIDS

We are headquarters in the United States for established and imported Orchids.
Our new price list for 1900 is now ready.

Cherry Wood Baskets, Fresh Moss and Peat.

LAGER & HURRELL,
Correspondence Solicited. **SUMMIT, N. J.**

Mention the Florists' Exchange when writing.

FERNS!

From 2¼ inch pots.

Cyrtomium Falcatum	$3.00 per 100.
Pteris Cretica Magnifica	3.00 "
Aspidium Tsusimense	2.50 "
" " from 3½ in. pots	7.00 "

Cash with order.

L. MENAND, Cemetery Ave., **Albany, N. Y.**

Mention the Florists' Exchange when writing.

Ferns! Ferns!

We still have a nice lot in fine shape, suitable for fern dishes, etc. A good variety and nice, bushy stock, 2¼ inch pots, $3.50 per 100; $30.00 per 1000. Express paid to New York.

H. WESTON & BRO., Hempstead, L.I., N.Y.

Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.
1730 CAMBRIDGE ST.

Mention the Florists' Exchange when writing.

ARAUCARIA EXCELSA
2½ inch pots, 2 to 3 tiers ..... $16.00 per 100
3 inch pots, 6 to 8 inches, 3 tiers ..... 20.00 "

GREVILLEA ROBUSTA.
2 inch pots, 6 inches high ..... $3.00 per 100

ARECA SAPIDA.
2 inch pots ..... $4.00 per 100

F. LUDEMANN, Pacific Nursery, **San Francisco, Cal.**

Mention the Florists' Exchange when writing.

FERNS AND FERN SPORE

ALL BEST FLORIST SORTS.

FERN SPORE 35 cts. per pkt.; $4.00 per 12. A packet will grow from 400 to 600.

FERNS from flats, $1.75 per 100; 2 inch pots, $3.50 per 100; 3 in. pots, $6.00 per 100; **Boston,** 15 to 75 cts. each. All in good condition.

EDW. D. BROWN, Weldon, Pa.

Mention the Florists' Exchange when writing.

Rochester, N. Y.

A prominent Rochester florist recently received a good-sized retail cash order for carnations from a resident of Buffalo. It cannot be there is a scarcity there as it was incidentally remarked in the order, "Carnations are 25c. a dozen in Buffalo."

The first sweet peas were brought in by Arnold on the 19th—a small cutting of Emily Henderson and Prima Donna.

On the 16th calls were made at several greenhouses. At every one slight traces were found of the recent big storm or the sudden cold wave preceding it. Chas. Suhr had a boiler give out and was obliged to lay down and cover a house of asparagus while repairs were being made. Other houses were injured, but little stock was killed outright. The temporary inconvenience is past; the real damage is now showing in retarded growth.

The old White farm, on the Thurston Road, was bought early in the Winter from the estate of the late Dr. Thos. White, by Russel K. Smith, a market gardener from the Ridge Road. At present Mr. Smith is using only one of the greenhouses—for vegetables—but will fill more of them later. He intends overhauling the houses the coming Summer and putting them in shape for vegetables and carnations next Winter.

A mile east, along the ridge of which Mount Hope and the Pinnacle are prominent heights, brought us to E. R. Fry's new place, probably the highest point in the city on the west side. The houses are nearly at right angles to the bluff, and are so situated that the light cannot be obstructed in any direction. The location favored an arrangement of heating apparatus that insures perfect work. The houses drop toward the bluff, so that gutters and heating pipes are parallel with the benches; and the floor of the boiler room is 20 feet below the level of the farthest point in the hot-water pipes. The houses are now full of Easter plants, which Jas. Bishop has brought along in fine shape. A few hybrid roses in pots and a fine lot of spiræa were particularly noticed.

Across the river, at Wm. H. King's, the land is really too valuable for greenhouses, and will soon be used for other purposes. Meanwhile, Mr. King continues to grow a nice general assortment suitable for his retail trade. An immense orange tree, now loaded with buds, and a plant of Niphetos rose that fills one end of a house, seem like relics of a past age in floriculture.

Farther out, Mount Hope avenue, we found Geo. J. Keller trying to devise means to pot on 10,000 fine geraniums without sacrificing anything that would be valuable at Easter. Every inch of space was crowded with well-grown stock. An unusually fine bench of mignonette and several hundred pots of Primula obconica attracted especial attention. Having an outlet for both the cut flowers and plants, Mr. Keller has found the improved strains of Primula obconica quite satisactory and not difficult to handle.

Opposite the farther entrance to Mount Hope we glanced through the new houses of Geo. Crook & Co. The houses are light, modern and well built, and filled with an assortment of plants suitable for cemetery work. All was clean and thrifty. A very broad center walk seemed like an expensive luxury at this season, though it will no doubt be a great convenience in handling the Saturday and Sunday rush of customers two months hence.

Turning cityward we stopped a few minutes at J. B. Keller's Sons, on South avenue. Within the month since my last call a big lot of plants had gone to the store; bulbous stock had about disappeared and Easter and bedding stock was coming to the fore. Two houses are given over to a fine collection of palms; and at this season the propagating work incident to the extensive collection of herbaceous plants grown here occupies considerable space.

Later in the day, taking the Charlotte car to the Stone Road, a short walk brought us to Frank S. Payne's, where we saw three of the neatest houses it was ever our good fortune to visit. They are modern in construction and the stock was all remarkably clean and healthy, while the neat and orderly arrangement was most admirable. A center bench of geraniums, hedged in by luxuriant vincas along the walks, looked like a miniature lawn. Mr. Payne grows a stock of bedding and other plants for the wholesale trade, including an extensive collection of verbenas. He had just pulled out the last carnation plants to give needed room. He has 10,000 pansy plants in frames that were in bloom before Christmas. A large acreage is given, in season, to dahlias and branching asters.

At Barnard Crossing Mr. Hill escorted us through the 11 houses of the Vick & Hill Co. A very clean, thrifty lot of stock was the unanimous verdict of the visitors. The last carnation plants had gone out two days before, but, as elsewhere, "more room" was wanted. Severe weather is delaying mail-order plant trade somewhat, still, Fred. Vick was sending out a goodly load. Thirty thousand thrifty young rose plants in one house made a pretty sight, which was eclipsed in the next by a hundred plants of Magna Charta, clean and well set with bloom.

Leaving the central at Otis Station we called on Jos. Pridmore, Lyell avenue, finding him busily engaged with customers. Some designs just going out here out Mr. Pridmore's enviable reputation for skill and taste in this line. He has a large and well-established retail trade built up by 16 years of courtesy and fair dealing. Mr. Pridmore was the first grower we had met who had a good word for Primula Forbesi. Grown in heavy soil he had found it very satisfactory and useful in design work. A few pots in lighter soil were not so good.

G. A., Jr.



Send for Our List of

Kentias, Latanias, Ficus,

Asparagus, Dracænas, etc. Azalias for immediate sales, assorted colors, from 60 cts. to $2.50 each. Ask for our price list of Perpetualed Palms. Samples sent on request. Address

THE GEO. WITTBOLD CO., Chicago,
1708 N. Halsted Street.

Mention the Florists' Exchange when writing.

Springfield, Mass.

F. E. Vetter, lately employed by Mark Altkea, has accepted a position with E. A. Montgomery, of Baltimore. His many friends here wish him success in his new undertaking.

FOR EASTER

ASPARAGUS PLUMOSUS NANUS



STRINGS 8 FEET LONG,
50 Cents.

W. H. ELLIOTT, Brighton, Mass.

Mention the Florists' Exchange when writing

EASTER PLANTS

15,000 Longiflorum Lily Plants.

4,000 Crimson Rambler Roses Fancy Designs

—ALSO—

Azaleas, Spiræas, Hydrangeas, Acacias, Hybrid Roses, Hyacinths, in pots and pans, and **Rhododendrons.** Prices on Application.

H. C. STEINHOFF,

57B Hudson Boulevard, WEST HOBOKEN, N. J.

Mention the Florists' Exchange when writing.

EASTER PLANTS

Japan Longiflorum Lilies, 3 to 8 flowers, 2 to 2½ feet, 12 cts. per bud.
Azaleas, 6 and 7 inch pots, 75c. to $1.50.
Hydrangeas, 7 and 8 inch pots, 50c. to $1.25.
Hyacinths, 4 inch pots, 10c.

Daffodils, 5 and 6 inch pots, 18 cts and 25 cts.

We have 5,000 pots Easter Lilies, all nice, clean plants. And we are prepared to ship either in small numbers or plants in large quantities.

GRAFTED ROSES.

Strong Kaiserins, 2½ inch pots, ready now, $12.00 per 100. **Bridesmaids,** 2½ inch pots, ready May 1st, $10 per 100; $80 per 1000.

CHRYSANTHEMUM Major Bonnaffon, 2½ inch pots, $3.50 per 100.

Several thousand Kaiserins, Bridesmaids and Chrysanthemums, $4.00 per 100; $35.00 per 1000.

CASH FROM UNKNOWN PARTIES

S. J. BUNTING, Elmwood Ave. and 58th St., Phila., Pa.

Mention the Florists' Exchange when writing.

AZALEAS.

Fine plants in bloom from 60c. and up.

HYDRANGEAS, fine blooming plants, from 75c. and up, in 6, 7 and 8 inch pots, well grown.

GENISTAS, large plants from $1.00 and up.

For Palms see regular ad., page 324.

JOHN BADER,

MT. TROY, ALLEGHENY CITY, PA.

Mention the Florists' Exchange when writing.

AZALEAS

Blooming Plants for Easter.

Large and shapely plants, all the best varieties only. **$7.00 per dozen.**

	Per doz.
CINERARIAS, 5 in.	$1 50
HYDRANGEAS, in large bud, 5 in.	3 00
" 4 in.	2 00
CRIMSON RAMBLER ROSES, 3 years old	9 00
GERANIUMS, bushy plants, Nutt, Grant, Hill, La Favorite; all the above in large bud for Easter, 4-inch	$6.00 per 100
PANSIES, large plants, ready to show bud	50c. per 100; $3.50 per 1000
MAMMOTH VERBENAS, large rooted plants	60c. per 100; $4.50 per 1000

WHITTON & SONS, Wholesale Florists,
CITY AND GREEN STS., UTICA, N. Y.

Mention the Florists' Exchange when writing.

EASTER LILIES

1000 For Sale. 10c. Per Bud.

Just right to ship for Easter. 6 inch pots.

500 Spiræa, $2.00 per doz., and larger flats,		$3.50
Genista, just right for Easter, 4 in.,	per 12,	1.50
" in 6 in. pots	"	3.00
Cineraria, choice colors, 6 in.	"	2.00
Periwinkle, 4 in. pots, bushy	per 100,	9.00
Rex Begonia Boz, 4 in pots	per doz.,	2.40
Cryptomeria Japonica, 4 in. pots	per 12,	3.00
Alyssum, dbl., for cut, ex. large, 2 in.,	per 100,	3.00
" very dwarf, fine, out of 2 in.	"	3.00
Periwinkle, 2 in., out of pots	"	3.00
Bridal Rose, in 6 in. pots, in bloom	per 12,	6.00
Daisies, 6 in. pots, white	"	2.00
" " " yellow	"	2.00

All goods at purchaser's risk and cash with order.

SAMUEL V. SMITH,

59 Goodman St., Rising Sun, PHILADELPHIA, PA.

Take 8th, 13th or 15th St. car.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR EASTER PLANTS

Blooming Easter week!
Time is money! Lose no time! Order your supply now!



I have an immense stock of the choicest in the market. You would be astonished it you could have a peep into seven large greenhouses which are crammed full, and devoted to the cultivation of Easter plants alone, and therefore I will be prepared to fill all orders, if ordered in time, as far as the supply will reach.

AZALEA INDICA I am a very large importer of this choice Easter plant. I have erected two new houses, 20x100, for the cultivation of them alone. These Azaleas were selected by myself last fall, on my trip to Ghent (Belgium), and as I am Agent for a large concern in Belgium, it gives you a chance to buy your goods first hand and not through middleman.

I can offer you plants in bloom or in buds, blooming Easter week, **6 inch pots, 75c., and some for $1.00.** Most of them are Mme. Vander Cruysen, and some other choice varieties, which will be selected by myself.

SPIRÆA, Compacta and Floribunda, fine bushy plants, my own importation, a perfect gem, 6 inch pots, **$3.00 per doz.**
Specimen Plants, $4.00 per doz.

CINERARIA Hybrida, choice colors, 6 inch pots, **$2.50 to $3.00 per doz.** In bloom now or at Easter. I have a house full of them.

BEGONIAS, President Carnot, 6 inch pots, **$3.00 per doz.**
Vernons, 4 inch pots, **$1.20 per doz.;** 5 inch pots, very fine and full of flowers, **$2.00 per doz.**

DAISIES (White), **Marguerite,** 5 inch pots, **$2.00 per doz.** 4 inch pots, **$1.00 per doz.**

CYPERUS (Umbrella Plants), very fine bushy plants, 4 inch pots, **$1 per doz.**

HYACINTHS, 4 inch pots, best varieties (of my own importation), **$10.00 per 100.**

TOURNESOL TULIPS, three in a pot (double red and yellow striped), beautiful, sells at first sight, 4 inch pots, **$1.50 per dozen pots.**

DAFFODILS, Von Sion, three in 5 inch pot, **$1.50 per dozen pots.**

LILIUM HARRISII and LONGIFLORUM, 6 inch pots, nice foliage (bulbs 7 to 9), 5 to 10 buds to a plant, from 1½ to 2½ feet high, at the rate of **10c. per bud.**

SMITH'S HYBRID MOONVINES.

Largest and earliest white blooming in the country, at the rate of **$5.00 per 100 plants.**

All orders received by mail will be given the same careful attention as though buyers selected stock personally.

Cash with order, please. Money can be sent safe by Express, Postal Money Order, Registered Letter, or Drafts on Philadelphia Banks. Goods shipped at purchaser's risk.

Buyers visiting Philadelphia are respectfully invited to call at my place and examine my stock before buying elsewhere. Only 25 minutes' ride from City Hall.

Take 13th Street Car to Rising Sun Avenue and walk two squares east; also Germantown Car at 8th and Market Streets (North) to Ontario Street and walk one square east.

GODFREY ASCHMANN, 1012 Ontario Street, Rising Sun, **Philadelphia, Pa.**

IMPORTER AND WHOLESALE GROWER OF POT PLANTS.

PLEASE NOTICE TESTIMONIAL BELOW:

"Mr. G. Aschmann has very fine healthy Azaleas, Hydrangeas, Easter Lilies, Spiræas, Tulips, Hyacinths and other plants in bloom and bud. We can very highly recommend our customers to Mr. Aschmann for fair, reliable, business treatment."

Philadelphia, March 6, 1900. HENRY F. MICHELL, 1018 Market Street.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

SITUATION, gardener or florist on private place' 15 years' experience, single. P. H., care Florists' Exchange.

YOUNG man of good address, with seven years' experience, wants position in store or commercial place. P. F., care Florists' Exchange.

SITUATION wanted. Expert propagator and grower of plants and cut flowers, 20 years' experience, married. Address P. L., care Florists' Exchange.

A SOBER, industrious young man, age 34, with experience in cut flowers and plants, desires position. Address, with particulars, P. E., care Florists' Exchange.

GARDENER, single, thoroughly experienced in the various branches, expert grower of rare plants, competent to take charge; total abstainer. J. L., care Wenham, Florist, 26½ E. 42d St., N. Y.

SITUATION wanted, by young lady, seven years' experience, good designer, to take charge of or as assistant in flower store; East preferred; best of references. Address P. O., care Florists' Exchange.

SITUATION wanted, by married man, thoroughly conversant with the florist business and capable of taking charge; 19 years' experience, last three years with J. N. May, in roses, carnations, 'mums, etc. C. Radzio, P. O. Box 429, Summit, N. J.

SITUATION wanted, gardener and florist, in a commercial place, near Boston if possible, experience in carnations, roses, violets, chrysanthemums, bedding stock, palms, etc.; German, single man, 17 years' experience in this business. P. K., care Florists' Exchange.

THE ADVERTISER is Scotch, single, age 31 years, is thoroughly competent in every branch of the profession, nursery included, has been 5 years around Boston in some of the best places. Any one in need of a first-class man, conscientious in every detail, please address P. D, care Florists' Exchange.

POSITION WANTED.

By reliable man, as foreman, 15 years in the business; specialties: roses and carnations; good references; give full particulars with wages. Harry Donnelly, 1121 Main St., Pawtucket, R. I.

SITUATION WANTED

As foreman, by grower of roses, carnations and general stock; have been in charge of greenhouses several years, with one of the largest cut flower growers of the East; first-class references. P. N., care Florists' Exchange.

SITUATION WANTED.

By first-class Eastern grower, born and brought up in the business; one year's experience West; carnations a specialty, A1 grower of roses, chrysanthemums, violets, bulbs, etc.; understands building, heating and all other branches; will take full charge or as working foreman, East or West; rapid worker, and strictly temperate; state particulars and wages. Address P. J., care Florists' Exchange.

HELP WANTED.

WANTED—A sober man to work in greenhouses. Apply Villa Lorraine Roseries, Madison, N. J.

GARDENER wanted; experienced gardener to take charge of greenhouse; apply immediately. L. Hart, 1000 Madison Ave., N. Y. City.

WANTED, a young man as greenhouse assistant, having a general knowledge of the business; wages $20.00 and board. Frank McMahon, Sea Bright, N. J.

AN industrious and willing young man wanted, experienced in rose growing; position open on or before the 15th of this month. R. Asmus, New Durham, N. J.

WANTED an experienced propagator as an assistant, must give good reference; $40 per month for first year. Address at once Greene & Underhill, Watertown, N. Y.

WANTED a good rose grower, one who can take charge of a section of houses, must have good references from last employer. Address P. Connelly, No. 12 Reed St., Madison, N. J.

WANTED at once, single man, German preferred, to assist in general greenhouse and nursery work; must be honest and willing to work. Address H. Haebner, Groton, Mass.

WANTED—3 men with experience in care of lawns, flower beds and growing of bedding plants under glass, wages about $40 per month and chance to advance, permanent. State age and experience. A. E. Wohlert, Landscape Gardener, Altoona, Pa.

Mention the Florists' Exchange when writing.

HELP WANTED.

WANTED—Nursery foreman; permanent position for a man experienced in nursery business; state age, experience and salary required. V. A., Vanicek Nurseries, Newport, R. I.

WANTED, a good, honest, industrious, all-round man for greenhouse work, willing and obliging, not afraid of work, and strictly sober; state wages. Bay Brook Garden Co., Manchester, N. H.

WANTED at once, florists' clerk, maker-up and decorator, good address and character required, married man preferred; wages $12 00 per week, situation permanent. John Reck, Bridgeport, Conn.

WANTED—Man thoroughly experienced in filling orders, planting nursery stock, budding and grafting roses; strictly temperate; only those accustomed to commercial places need apply. Elizabeth Nursery Co., Elizabeth, N. J.

WANTED.

Rose and carnation grower. Send full information as to wages, references, etc., to P. M., care Florists' Exchange.

WANTED—RELIABLE

Man, competent to superintend and assist in building two greenhouses and who will work for reasonable wages; steady place for right man; location South. Address P. G., Florists' Exchange.

WANTED IMMEDIATELY.

If in your vicinity there be a private gardener or a grower you can earn money easily selling Tobacco Dust and Tobacco Whale Oil Soap. Write for particulars, H. A. Stoothoff, 116 West St., N. Y. City.

WANTED.

A good, honest, industrious, all-round man, for greenhouse work, must be willing and obliging, not afraid of work and strictly sober; opportunity will be given to lease the place. Apply with references to Geo. W. Fetzer, 432 11th St., Allentown, Pa.

GARDENER'S ASSISTANT

A young man with some knowledge of greenhouses and gardening, willing to work and desiring to learn, can hear of a desirable place, at reasonable wages, by addressing J. E. S., Room 1302, 27 William street, N. Y.

MISCELLANEOUS WANTS.

WANTED, discarded bench roses for fall delivery, Kaiserin, Meteor, La France, Perle, Bride, Maid (grafted plants preferred). Eastern growers only need apply. P. C., care Florists' Exchange.

WANTED—Nursery stock, 250 White Spruce, 3-3½ transplanted; 100 White Pine, 5-6 ft.; 200 Spiræa Rotundifolia, 3 ft.; 100 Spiræa Argota, 3 ft.; 100 Oahum Boreale. V. A. Vanicek Nurseries, Newport R. I.

CUT SMILAX STRINGS.

Wanted—A shipper who can supply good stock on commission or direct sale. Pittsburg Cut Flower Co., Ltd., 504 Liberty street, Pittsburg, Pa.

BUSINESS OPPORTUNITIES.

TO LET or lease, two greenhouses, 20x100, and one 10x75, potting house and land. Long Island, 20 minutes from city. For terms, address 124 E. 27th Street.

FLATBUSH Property For Sale.—Plot 200 x 200, having front on East N. Y. Ave. and on Furnald street; and also a lot 18 feet 4 inches, fronting on Brooklyn Ave., and connecting with the above-mentioned plot, together with five greenhouses and a dwelling house. For particulars apply to A. L. Gutman, 20 Broad street, New York City.

MONOPOLY! A genuine bargain for a live wholesale grower; 15,000 sq. ft. glass (six houses), long established and favorably known; practically no competition in the cut flower specialties grown; eastern New England the market; sales limited by production only; 50 miles from Boston, in a very attractive town, grand rose and carnation soil, 50 acres tillage land; large slate-roof 12-room dwelling; hot-water heat, etc., etc. Large slate-roof barn, carriage house, carpenter shop, etc. All in good condition and to be sold with contents, live stock, etc. A beautiful estate and a money maker. Easy terms. Price greatly reduced. Send for descriptive and illustrated booklet. O. T., care Florists' Exchange.

FOR SALE.

Greenhouse, residence and one acre of land. Tho's J. Lloyd, Claymont, Delaware.

AT A SACRIFICE.

For sale one of the largest and most desirable Florist's Establishments in Brooklyn; including detached family residence, greenhouses, stables, sheds and all equipments. For particulars, address John Reis, 805 Flatbush Ave., Brooklyn, N. Y.

Mention the Florists' Exchange when writing.

Chrysanthemums.

Paper read before the Tarrytown Horticultural Society, March 29, 1900 by Jas. T. Scott, House of Refuge, Randall's Island, New York.

In dealing with the chrysanthemum in a paper such as this society looks for, it is utterly impossible to give the subject justice, or even portray an adequate idea of the salient points. If my remarks then appear superficial I crave your generous indulgence, and trust you will fully take into consideration the magnitude and scope of the subject in hand. I do not intend to dwell upon the geographical distribution of the chrysanthemum, or to discuss its history; suffice it to say, that the progenitors of the present race have been known to us for upward of one hundred years, during which time their popularity has fluctuated according to the whims and fashions of society. They probably reached the zenith of their glory ten years ago, when the gardening fraternity and society in general were crazy-anthe-mum on the brain, and since that time many and varied have been the speculations as to how long this popularity could be sustained; yet to-day the looked-for reaction has not taken place. And though we are not annually flooded by a host of new and doubtful creations, yet the evolution goes on, and now (thanks to our Chrysanthemum Society) while we have fewer novelties we have better quality.

"How long will the chrysanthemum retain its popularity?" is a question daily asked by professional and amateur alike, and it seems to me that the old adage, "Nothing dies, 'tis only superseded," answers the inquiry. The chrysanthemum comes in all her glory just at a time when nature is laying waste the landscape. The Summer is practically sustained indoors, and up to the present time there seems to be nothing in the horticultural horizon that is likely to supersede the Queen of Autumn, at that particular time.

In considering the chrysanthemum it would be well for us to carry our fancies back to the Autumn, to the time of the flower's perfection. This is the particular season that the chrysanthemum student balances his notes, compares theories with results or vice versa, stores up for himself new ideas, rearranges his next year's lists and culls out the weaklings. The survival of the fittest is inevitable. There is no use growing a host of synonyms. Better grow, say, two or three dozen of one or two varieties, than have 50 to 100 varieties with the half of them poor. The Autumn is a good time for the beginner to arm himself with a note book. If he be alert he will find enough at one or two chrysanthemum exhibitions to supply the necessary information regarding varieties. The old hand ought to know the capacity of his place, know at this time the number of plants he will grow again; and while the actual demonstration is before his eyes he ought to make a memorandum of the number of each variety that he intends to grow next year.

I once heard a gardener say, "That the man who introduced the chrysanthemum ought to be stoned," for he said, "They are a whole year's trouble." We do not all think with that poor mortal, yet his remark suggests a truth, i. e., that we must give to them a whole year's care. Do not get disgusted when you have cut your flowers; think of the old stools and your next year's stock. Keep your old plants in a cool place and give them plenty of light. By a cool place, I do not mean to put them in cold storage, or a place that is continually below the freezing point, although five or six degrees of frost occasionally will do them no harm—but a dormant grapery, a peach house, or violet house—any place where the temperature averages from 40 to 32 degrees. Give them an occasional hosing overhead, and do not let them suffer for want of water.

For cuttings use medium wood. Very thick, pithy wood is not always satisfactory; and by no means use weak, spindly material. Chrysanthemums root readily in the ordinary propagating bed, or in small pots. Propagation may commence in January and continue on till May, according to the system of culture to be practiced. January, and even earlier, is a good time to propagate for bush plants, but for bench culture May is time enough. There are many opinions as to the best time to propagate the general collection. I have tried (and have seen tried) several dates, but all through would recommend the latter part of March or the beginning of April.

When well rooted the young plants may be potted in 2½-inch pots, in a moderately heavy soil, not too rich, and placed on the side benches of a violet or carnation house, or any place in fact where they are near the glass, get plenty of air, and are kept at a moderate temperature. I have found it a good plan about the month April, after the first and second pottiag, to put the young plants in a cold frame (being always careful to exclude frost); but give abundance of air all day, and, when the nights grow warmer, at night also. I have also found it good to have about 2 inches of fresh horse manure put in the bottom of the frames and about 2 inches of coal ashes on the top of it. This insures good drainage; and the little ammonia arising from the manure gives the leaves a healthy, green color.

The main point at this time, however, is not to rush growth, either by feeding or high temperature. Keep your plants stubby and short.

About the middle or first week of May we always make a point of cutting back the general collection. In doing this never make a rule of cutting so many inches from the pot. It is never advisable to cut back to hard wood; if this be done the plants usually break weak. The points you cut off, if put in the sand bed, make excellent material for benches.

After cutting back the plant will not require so much water for a few days, so be sure and pay particular attention to this. If the plants are syringed overhead in the afternoon, and the frame kept somewhat closer, the breaking away will be considerably helped. Each plant will break away, making perhaps four to six shoots, and now is the time to determine how many flowers are to be grown upon each plant. I leave the commercial man to answer this for himself; he knows the quality that suits his trade best, and the price he is likely to receive, but for private gardeners, where competition or a home display is aimed at, I should advise only two shoots to a 7 or 8-inch pot, and one for a 6-inch pot.

Now as to the final potting: I believe that more depends upon the physical nature of the soil than upon anything else. Many believe in adding, so many bones, so much fish manure or guano, and so on. This is all rubbish; see to your soil's friability or tenacity first, then look after the chemical constituents. Chrysanthemums require a moderately heavy soil, and great judgment must be exercised.

In preparing a compost get at it early. The Fall of the year is the ideal time, but if not done get at it right away. It is perhaps superfluous to say, get your turf from as old a pasture as you have at hand. If your turf be of a heavy clay nature, do as follows: Lay down one layer of turf, grassy side under, spread on that a small quantity of horse manure, some bone meal and a few handfuls of air-slacked lime. If your turf be of a gritty or sandy nature use cow manure, say one part manure to five or six of turf; add some bone meal and a very little lime. Conjure up in your mind's eye an ideal soil, i. e., physically, and if you cannot get it ready-made endeavor by every means to make it.

After such a compost has laid for two or three months it ought to be ready for use. Commence at one end and cut down the pile with a sharp spade, but by no means make it too fine. The idea of sifting soil for potting purposes is too old-fashioned to need condemnation, but let me emphasize the fact that roots need air, or, in other words, oxygen, in large quantities. When a soil is too fine it is impossible for such to permeate freely. The old-fashioned idea of adding leaf mould to all composts so far counteracted this evil; but leaf mould is unnecessary, provided your compost be rightly constituted.

The plants ought to be ready for their final shift about the end of May or beginning of June. Drain your pots well and ram the soil firm; it is important that chrysanthemums be firmly potted, otherwise the growth will be soft and pithy. Large pots are an encumbrance and unnecessary; 8-inch pots are big enough for exhibition blooms, done as I have stated, and 6-inch pots grown to single stem and bloom usually give excellent results.

(To be Continued.)

MISCELLANEOUS.

IF JOSEPH LONDRIGAN will communicate with John Fow, Manhattan State Hospital, Central Islip, N. Y., he will hear of something to his advantage. Should anyone see this who may know of his present whereabouts, they will do him a favor by communicating with the above informing where he is at present located.

EASTER LILIES

$12 per 100; $100 per 1000.

H. F. Littlefield
Worcester, Mass.

Mention the Florists' Exchange when writing

Violets My Specialty

LA FRANCE,

The best and largest single violet, good-rooted plants, $3.00 per 100; $25.00 per 1000.

PRINCESS OF WALES,

$1.00 per 100; $8.00 per 1000. Cash please.

SEA CLIFF NURSERY, Sea Cliff, L. I., N. Y.
FD. BOULON, PROPRIETOR.
Mention the Florists' Exchange when writing.

ROOTED CUTTINGS OF PRINCESS OF WALES **VIOLETS**

Exceptionally good stock.

$2.00 per hundred. $15.00 per thousand.

SATISFACTION GUARANTEED.

WM. SIM, Cliftondale, Mass.
Mention the Florists' Exchange when writing.

5000 Rooted Runners of

CALIFORNIA VIOLETS.

Must be moved QUICK.
Price, $5.00 per 1000, cash.

Wm. Swayne, Box 226, **Kennett Square, Pa.**
Mention the Florists' Exchange when writing.

VIOLETS == CLUMPS.

We are having the finest and healthiest

Marie Louise. You can raise your own stock instead of buying poor one. **$6.00 per hundred.** Samples upon inquiry.

Monticello Greenhouse Co., Monticello, N. Y.
Mention the Florists' Exchange when writing.

Daisies, Violets and Baby Primrose

L. H. Campbell, California, rooted runners, 60c. per 100; $5.00 per 1000. Princess of Wales, the best single Violet, and Swanley White, 75c. per 100; $7.00 per 1000.

Baby Primrose, by division, 30c. per doz., by mail; per 100, $2.00. CASH WITH ORDER.

P. D. De Witt, Bridgewater, Bucks Co., Pa.
FORMERLY OF TORRESDALE PA.

ROOTED CUTTINGS

New Imperial Violet

From 2-inch pots; $3 per 100; $25 per 1000.

Satisfaction Guaranteed.

T. G. THRASHER, Avon, Mass.

VIOLETS FOR POTS

FOR EASTER.

Fine to plant, lots of buds and flowers, 20c. each; potted in 5 inch pots, 25c. each.

TERMS CASH.

W. G. KRABER, New Bedford, Mass.
35 TREMONT STREET.

The New Imperial Violet.

COLOR—The darkest blue grown.
FORM—The largest and most double.
HEALTH—The most vigorous.
PRODUCTIVENESS—An average of 70 blooms per plant last season; this season, from a closer selection, to date averages 88 and still blooming; 95 per cent. of all blooms grade as No. 1.

Send for Descriptive Circular and Prices to

W. L. MINOR,
Originator and Grower of the New Imperial Violet,
BROCKTON, MASS.
Mention the Florists' Exchange when writing.

NEPHROLEPIS WASHINGTONIENSIS.

Now is the time to start this giant among the Nephrolepi ferns, with proper treatment it will make fronds in one summer five to six feet long by 12 to 15 inches broad. They are very durable. The variety "erecta," five young plants, for $1.00, free by mail; 4 inch pot plants, 50 cts. each; larger ones from $1 to $5 each.

Palms for Easter Decorations.

Kentia Belmoreana, from 7 in. pots, 4½ ft. high, $3.00 each; 6 for $16.00.
Kentias, from 6 in. pots, $1.50 each.
Seaforthia Elegans, from 6 in. pots, 5 ft. high, $1.00 each; 6 for $5.00.
Seaforthias, from 5 in. pots, 60 cts. each.
Latanias, from 6 in. pots, 75 cts. each.
Latania Borbonica, from 7 in. pots, 2½ ft. high, broad, $1.00 each; 6 for $5.00.
Cocos Weddeliana, 3½ in. pots, 18 in. high, $2.50 per doz. **Areca Lutescens,** from 5 in. pots, 2 ft. high, $4.50 per doz.; 40 cts. each. **Marantas Zebrina,** 4 in. pots, $1.00 per doz **Dracæna Indivisa,** large plants, from 6 in. pots, 50 cts. ea.

For other decorations or bedding plants see former advt's.

N. STUDER, ANACOSTIA, D. C.
Mention the Florists' Exchange when writing.

SOMETHING NOVEL for EASTER

GALAX LEAVES, Gold and Silver.

		Per 100	Per 1000
Galax Leaves,	Gold	75c.	$5.00
" "	Silver	75c.	5.00
" "	Bronze		1.00
" "	Green		1.00

Fancy Ferns, Dagger Ferns, Wild Smilax, etc., at market prices.

Case containing 5,000 each Green and Bronze Galax.....Per case, $9.00
Case containing 2,500 each Green and Bronze Galax.....Per case, $5.00
Leucothoe, Green.....Per 100, $1.00
" Bronze..... " " 1.00

HARRY A. BUNYARD, 42 West 28th St., New York City.
Mention the Florists' Exchange when writing.

VIOLETS—Princess of Wales

The only Violet to grow; strong rooted cuttings, $1.00 per 100. 2½-in. pots, $2 00 per 100.

EVENDEN BROS., Williamsport, Pa.
Mention the Florists' Exchange when writing.

Farquhar Violets Rooted cuttings, $10.00 per 1000; fr. m 2½ inch pots, $3.00 per 100, $25.00 per 1000. CASH WITH ORDER.

THOS. F. O'BRIEN, 26 Folsom Street, **Roslindale Mass.**
Mention the Florists' Exchange when writing.

PANSY PLANTS

Of my largest flowering mixture of **Show Varieties.** Unsurpassed quality. Fine stocky plants, $3 00 per 1000. Large, bushy transplanted plants in bud and bloom, $1.00 per 100; $8 00 per 1000; 500 at 1000 rate.

Fine Pansy Blooms, with long stems, $3 per 1000

GUSTAV PITZONKA, - Bristol, Pa.
Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS.

A bargain for ten days only, **$2.00 per 100; $15.00 per 1000.** Rooted cuttings of Ivory, Robinson, Bergmann, Bonnaffon, Murdock, etc.

VIOLETS At stock. Now is the time to order rooted cuttings. Marie Louise, Farquhar, Lady Campbell, Swanley White and Princess of Wales. WRITE FOR CATALOGUE.

CRABB & HUNTER, Grand Rapids, Mich.
Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

ROOTED CUTTINGS.

Woodford, Glory of Pacific, Montmort, Rose Owen, Jerome Jones, } **$8 per 1000.**

New early white **POLLY ROSE,** and **YELLOW BRAMHALL,** $4.00 per 100.

Cash With Order.

PAUL BRUMMER, - Corona, L. I., N. Y.
Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Bergmann, Whildin, Modesto, Midge, Glory of Pacific, M. Henderson, Lager, Bonnaffon, Robinson, Niveus, M Dean, Florence Pullmann, Merry Monarch, Childs, Phœbus, Ermineida, Shrimpton, Evangeline, Boehmer, Iora, E. Pres, Bigelow, Yanoma, F. Hardy, Merry Christmas, Queen, L. Canning, V. Morrell, Silver Cloud, White and Pink Ivory, Pitcher & Manda. 12 Pennsylvania and Philadelphia gratis with each order for 100 plants; from 2½ and 2 inch pots, $2.50 per 100; from soil, $2.00 per 100.

BABY PRIMROSES, 3 in., $4.00 per 100.
CYPERUS, 3 in., $3.00 per 100.
YELLOW PARIS DAISIES, in bud and bloom, 3 in., $3.00 per 100.

J. G. EISELE, 20th and Ontario Sts., Phila., Pa.
Mention the Florists' Exchange when writing.

PETUNIAS, DOUBLE FRINGED

A good assortment of **Money-Makers.**

The plants we offer are strong stock, from 2 inch pots, at $2.00 per 100; $18 00 per 1000.

E. I. RAWLINGS, - Quakertown, Pa
Mention the Florists' Exchange when writing.

IMPERIAL VIOLET!

A few thousand **rooted cuttings** of this grand strain, taken from stock obtained direct from the originator.

Price, $45.00 per 1000; $5.00 per 100.

WM. E. GLIDDEN, West St., NATICK, MASS.
Mention the Florists' Exchange when writing.

FUNKIA Pansies, Eulalia.

See offer to exchange in previous issues.

I NEED Geraniums, Verbenas, Vincas, Lilies, Pelargoniums, Bostoniensis Ferns, Asparagus, Gladiolus, Crimson Rambler Roses, Clematis Paniculata.

I have a good variety of **PANSIES.** Those that commenced flowering in September, per 1000, $12.00; Oct., $10, and a smaller size, $8. From seed bed, $3.50.

W. C. JENNISON, Natick, Mass
Mention the Florists' Exchange when writing.

GERANIUMS 3 in., Double Grant, Nutt,

etc., nice stocky plants, $3.50 per 100. **Carnations,** 3 in., for summer bloom, well-rooted, $3.00 per 100. **Carnations, rooted cuttings,** Scott, McGowan, Portia, 75 cts., per 100. Jubilee, Flora Hill, $1.00 per 100. **Alyssum,** The Gem, **Smilax,** and **Sweet Alyssum,** strong, 50 cts. per 100. **Primula obconica,** in bloom for Easter, $3.00 per 100. **Geraniums,** rooted cuttings, mixed, $1.25 per 100. **German Ivy,** strong, **Ageratum,** Princess Pauline, Ageratum, white, in bloom from 2½ in. pots, $2.00 per 100. **Early Cabbage** plants, $1.25 per 1000, strong.

RICHARD INSALL, West Moorestown, N. J.
Mention the Florists' Exchange when writing.

DOUBLE PETUNIAS.

OVER 75 VARIETIES, NAMED.

I have the finest and largest collection in the country, an immense stock, and can fill all orders without delay.

Rooted Cuttings, by mail	$1.25 per 100	
Dracæna Indivisa, 3 in.	3.00	"
Cobæa scandens, 2 in.	2.00	"
Fuchsia, 3 in., bushy	4.00	"
Abutilons, 2 in.	2.50	"
Double Petunia, 3 in., and a bargain, to make room, many in bud	2 50	"
Ageratum, Princess Pauline	1.00	"
Fuchsias, 12 vars.	1.25	"
Baby Primrose, strong, 2 in.	3.00	"
Moon Vines, Smith's Hybrid Seedlings, per 100.	$2 00	
Salvia, Splendens and Bedman, seedlings, 50 cents per 100.		

Cash with order, please.

GEORGE J. HUGHES, BERLIN, N. J.
Mention the Florists' Exchange when writing.

Good Strong Plants.

GERANIUMS, assorted varieties, 2½ in., $3 per 100. Mt. of Snow, Happy Thought, Rose, and two sorts bronzed, 2½ in., $3 per 100.
CHRYSANTHEMUMS, nice, strong plants, Robinson, W. R. Smith, Queen, Ivory, L. Canning John Shrimpton, Autumn Glory, Jessica, Mutual Friend, Harry Balsley, Golden Wedding, Erminilda, Glory of Pacific, Hicks Arnold and 10 other varieties, 2 in. pots, $2.50 per 100.
ALYSSUM, large double, 2 in. pots, $2 per 100.
AGERATUMS, Princess Pauline and Tapis Blue, 2 in., $2 per 100.
VERBENAS, Mammoth, 15 varieties, 2½ in. pots, $2 50 per 100.
SALVIA SPLENDENS, 2 in., $2 per 100.
PETUNIAS, Snowdrift, Imp. and Pink Beauty, 2½ in. pots, $3 per 100.

CASH WITH ORDER.

C. P. DIETERICH & BRO., Maysville, Ky.
Mention the Florists' Exchange when writing.

GERANIUMS 3 inch pots, including La France, Grant, Nutt, Jerome, $2 50 per 100.

IVY GERANIUMS, Double white, red and pink, 60 cents per dozen.

CARNATIONS, 2 inch pots; 4,000 Scotts; 600 L. McGowan, $1.00 per 100.

HARDY IVY, 3 inch pots, $3 00 per 100.

VINCA, yellow and white var., 40c. per doz.

Cash With Order.

ALEX. SCHULTZ, - Phillipsburg, N. J.
Mention the Florists' Exchange when writing.

Palms, Ferns, Etc.

	100
Cocos Weddeliana, 2½ in	$ 7.00
" " 3 in.	12.00
Phœnix Farinifera, paludosa and pumila, in 2½ in.	4.00
4 in. showing character	8.00
6 in. full character	20.00
Phœnix Reclinata, 2½ in.	5.00
Phœnix Rupicola, 2½ in.	5.00
Sago Palm (Cycas), fine stock, on a basis of 10c. per leaf, 5 to 30 leaves.	
Adiantum Fulvum, 2 in.	2.50
Aspidium Tensimense, 2½ in.	3.00
Boston Fern, 2 in.	3 00
Dicksonia Barometz, 2½ in.	4.00
Dicksonia Cicutaria, 2½ in.	4.00
These two Dicksonias are of great decorative value, strong growth and are very desirable.	
Pteris Serrulata Cristata, 2 in.	2.50
Palm Grass, broad leaves, rapid growth, 2½ in.	3.00
Alocasia Bataviensis, 2½ in., fine	4.00
Alocasia Illustris, 2½ in.	3.00
Alocasia Javanicum, 2 in.	3.00
Maranta Arundinacea, strong tubers	2,00
Sanseviera Zeylanica, true, 2½ in. fine stock	3.00
Bananas, 3 sorts, tall and dwarf, medium roots	4.00
Bananas, strong roots for immediate effect	8.00
Asparagus Sprengeri, 2½ in.	3.00
Asparagus Sprengeri, 4 in.	8.00
Asparagus Tenuissimus, 2½ in.	3.00
Arundo Donax Variegata, 2½ in.	3.00
" " " 3 in.	6.00
Eulalia Japonica Variegata, strong clumps	2.00
Eulalia Japonica Oraciliima " "	2.00
Yucca Gloriosa, 2½ in., elegant	4.00
Grevillea Robusta, 3 in., fine	4.00
Cestrum Laurifolia, 2 in., elegant	2.50
Thunbergia Erects, blue, 3½ in.	3.00
" " " 3 in.	5.00
Purple Crape Myrtle, 3 in.	3.00
Pink Crape Myrtle, 4 in.	4.00
Camphor Tree, 2½ in.	3.00
" " 3 in.	4.00
Cattleya Guava Red, strong, 4 in.	6.00
Downy Myrtle (Myrtle Tomentosa), fine fruiting shrub, 3 in.	8.00
Magnolia Grandiflora, 2½ in.	4.00
Yellow Opoponax, 2½ in.	3.00
White Opoponax, 3 in.	4 00
Habrothamnus Coccinea, 2½ in.	3.00
Habrothamnus Elegans, 2½ in.	3.00
Hibiscus Southern Beauty, fine sort, 2½ inch	3.00
Jasminum Gracilimum, 3 in.	4.00
" Grandiflorum, 2½ in.	3.00
" Lucidum, 2½ in.	3.00
" Maid of Orleans, 3 in.	4.00
" Sambac, 2½ in.	3.00
Justicia Coccinea, 2½ in.	2.50
Ruellia Formosa, 2 in.	3.00
Weeping Lantana, 2½ in.	2.00
Aristolochia Ornithocephala, 2½ in.	4.00
Cissus Discolor, 2½ in.	5.00
Honeysuckle Halleana and Red Coral, 2½ in.	3.00
Thunbergia Fragrans, elegant, 2 in.	2.50
Amaryllis Equestre, extra large	5.00
Amaryllis Normosissima, strong	3.00
Crinum Kirkii, strong	5.00
Crinums in great variety, fine stock.	
Butterfly Lily, strong tubers	3.00
Nymphæa Odorata Gigantea, strong	3.00
Nymphæa Odorata Rosea, strong	30.00
Egyptian Lotus, strong tubers	15.00
Water Poppy, good plants	3.50
Water Hyacinth, good plants	2.00

Above stock is in excellent condition and we deliver f. o. b. at prices named.

JESSAMINE GARDENS,

JESSAMINE, FLA.

Mention the Florists' Exchange when writing.

60,000 WINTER FLOWERING ROSES

GRAFTED AND ON THEIR OWN ROOTS

SEND FOR PRICES

J. L DILLON, BLOOMSBURG PA.

Mention the Florists' Exchange when writing.

FIRST PRIZE FOR 50 AMERICAN BEAUTIES

At the American Rose Society Exhibition.

Plants from 2 by 3 inch Rose Pots, **$6.00 per 100; $50.00 per 1000.**

JOSEPH HEACOCK, Wyncote, Pa.

Mention the Florists' Exchange when writing.

BRIDESMAID AND BRIDE.

Ready now in 2¼ inch pots, in exceptionally fine quality.

Strong, clean and healthy. Send for samples.

STEPHEN MORTENSEN, Southampton, Bucks Co., Pa. Near Philadelphia.

Mention the Florists' Exchange when writing.

PHILADELPHIA ROSES

Strictly first-class stock out of 2½ inch pots.

American Beauty, Kaiserin.

MYERS & SAMTMAN, Chestnut Hill, PHILA.

Mention the Florists' Exchange when writing.

BRIDES AND 'MAIDS

2½ inch, ready for a 3 inch shift.

$3.00 a 100; $25.00 a 1000.

CASH WITH ORDER.

J. B. HEISS, The Exotic Nurseries, **Dayton, Ohio.**

Mention the Florists' Exchange when writing.

ROSES From 5 inch pots, 9c. Fine clean plants; Gen'l Jacqueminot, La France, Clothilde Soupert, Malmaison, Coquette des Blanches, Coquette des Alpes.

Large Flowered Clematis, purple and white sorts, fine 2 year plants, from 5 in. pots or dormant, 18c. Some extra strong 3 year plants, dormant, at 33c. Also fine 1 year dormant plants, at moderate price.

Hydrangea, P. G., extra fine, 3 ft., bushy, at 8c.; 2 ft., bushy, at 6c. PACKING FREE.

W. H SALTER, - - ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,

ROSES, PALMS, CROTONS,

...CARNATIONS..

and Novelties in Decorative Plants,

Market and 49th Sts., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

LIBERTY

Orders received for April and May delivery. . . .

All the winter forcing Roses from 2½ inch pots.

WRITE FOR PRICES. . . .

ROBT. SCOTT & SON,

Sharon Hill, Del. Co., Pa.

Mention the Florists' Exchange when writing.

ROSES.

Well established plants from 3-inch pots; average 6 inches high.

	100	1000
Bride	$8 00	$50 00
Bridesmaid	6 00	50 00
Meteor	6 00	50 00
Perle	6 00	50 00
American Beauty	8 00	
Meteor	8 00	

Sample by mail for 10 cents.

W. T. & F. P. BUTZ, - New Castle, Pa.

Mention the Florists' Exchange when writing.

SPECIAL NOTICE

The unprecedented demand for the new and beautiful

ROSE LIBERTY

Has made it necessary for us to announce all stock for March delivery has been sold and orders hereafter will be taken and filled in their order of receipt, until further notice. To be sure of any of this stock for April and May delivery it will be necessary to order early. One quarter of the stock is controlled by us and no one has authority to sell in the New England States except by our permission.

Prices are as follows: Best stock grown.

Own rooted Plants, 2½ in. pots.

12 plants	60 cts. each.
25 "	50 "
50 "	30 "
100 "	25 "
1000 "	20 "

Grafted Plants, 2½ in. pots.

12 plants	75 cts each.
25 "	60 "
50 "	50 "
100 "	40 "
1000 "	35 "

EDMUND M. WOOD & CO., Natick, Mass.

Near BOSTON.

Mention the Florists' Exchange when writing.

ROSES FOR SUMMER PLANTING.

Now is the time to secure A1 stock to grow on for next season.

LIBERTY. The New Crimson, stock limited, on own roots, from 2½ in. pots.....$25 00 per 100.
" " grafted stock, from 2½ in. pots..... 40.00 "

LADY DOROTHEA. New buff color,
ADMIRAL DEWEY. New blush color, } 2 in. pots..... 10.00 "

TEAS' STANDARD VARIETIES. Bridesmaid, Bon Silene, Catherine Mermet, Mme. Hoste, Mrs. Pierpont Morgan, Niphetos, Papa Gontier, Perle des Jardins, Sunset, The Bride, 2 in. pots, $5.00 per 100; $45.00 per 1000.

HYBRID TEAS. AMERICAN BEAUTY, 2 inch, $7.00 per 100; $55.00 per 1000. Kaiserin Augusta Victoria, La France, Mme. Caroline Testout, Meteor, Mrs. Robt. Garrett, Souv. de Wootton, selected 2 in. stock, $5.00 per 100; $45.00 per 1000.

ROSES FOR SUMMER BEDDING, CLIMBERS, ETC.

JOHN N. MAY, Summit, New Jersey.

Roses, Clematis, Rhododendrons, Etc.

ROSES.

Strong Two Year, Field Grown.

Crimson Rambler, 4 to 5 feet canes. $15. 2d size, 2 to 3 feet canes, $8 per 100.
Yellow Rambler, $8 per 100.
Hybrid Perpetual, in fine assortment $10 per 100.
Wichuraiana, Japan Creeping Rose, $6 per 100.
Wichuraiana Hybrids, 4 varieties, $8 per 100.
Tree Roses, fine heads, $30 per 100.
Liberty, New Red Forcing Rose, from 2½ in. pots, 12 plants at 60c. each; 25 at 50c. each; 50 at 30c. each; 100 at 25c. each.
General Assortment of Everblooming Roses, from 2½ in. pots $3 per 100; $25 per 1000.

CARNATIONS.

Rooted Cuttings.

Mrs. Thomas Lawson, $14 per 100.
The Marquis..... $10 "
Ethel Crocker..... $10 "
Olympia..... $12 "

Rhododendrons. Large stock of best hardy varieties, 15 in. to 2 ft. high, clean, bright foliage and well set with buds, $45 to $150 per 100.

Azalea Mollis. Strong bushy plants well set with flower buds, $35 per 100.

Hydrangea Paniculata Grandiflora. 2½ to 3 feet. $10 a100. Tree form, 4 to 5 ft., $25 a 100.

Fruit and Ornamental Trees, Shrubs, Etc., in large assortment.

THE STORRS & HARRISON CO., - - Painesville, Ohio.

Mention the Florists' Exchange when writing

300,000=ROSES=300,000

FINE YOUNG PLANTS FROM 2½ INCH POTS.

Following List at $2.50 per 100; $22.50 per 1000.

Marie Lambert,
Etoile de Lyon,
Purple China,
Mrs. DeGraw,
Marie Van Houtte,
Clothilde Soupert,
Christine de Noue,
Lucullus,
Andre Schwartz,
Triumph Pernet Pere,
Duchess Brabant,
Tennessee Belle,
Princess Sagan,
Empress of China,
Coq. de Lyon,
Golden Rambler,
White Rambler,
Lady Warrender,
Marquis de Vivieus,
Louis de La Rive,
Yellow Soupert,
Safrano,
Agrippina,
Yellow Rambler.
Climbing White Pet,
Media,
Marie Guillot,
La Paciole,
Mme. Elie Lambert.

Following List at $2.75 per 100; $25.00 per 1000.

Bride,
White Maman Cochet,
Climb. Bridesmaid,
Comtesse Frigneusse,
Climb. Meteor,
Hermosa,
Berlha Clavel,
Duchess of Albany,
Bridesmaid,
Climb. Malmaison,
Rainbow,
Mme. F. Kruger,
Meteor,
Seven Sisters,
Marechal Niel,
Universal Favorite,
Maman Cochet,
Reine M. Henriette,
Crimson Rambler,
Climb. M. Guillot,
Malmaison,
Climb. Wootton,
Vera de Flora,
Princess Bonnie.

Following List at $3.00 per 100; $30.00 per 1000.

Wichuraiana,
La France,
Bon Silene,
Sunset,
White La France,
Kaiserin,
Climbing Kaiserin,
Pierre Guillot,
Papa Gontier,
President Carnot,
Perles,
Sov. de Wootton.

Fine H. P.'s at $4.00 per 100. Also Nice 3½ inch Roses at $4.00 per 100, and 40,000 Fine Two-year-Old Roses at $8.00 per 100. Also Full General Stock.

SEND FOR LIST.

THE NATIONAL PLANT CO., Dayton, Ohio.

Mention the Florists' Exchange when writing.

CHEAP FOR CASH.

CYCLAMEN GIGANTEUM

Strong, healthy plants, from 2 inch pots, consisting of the following varieties: **ATRORUBRUM, MONT BLANC, MAGNIFICA** and **ROSEA,** $4.00 per 100; $35.00 per 1000.

WM. SCHLATTER & SON,

408 Main Street, Springfield, Mass.

Mention the Florists' Exchange when writing.

Smilax Plants.

Extra Strong Plants out of 2½-inch pots, $2.50 per 100. Cash with order.

WILLIAM SCHWEINFURTH,

Ridgewood, N. J.

Mention the Florists' Exchange when writing.

PANSY PLANTS

25,000 fine mixed, September sown, from cold frame, in bud, **$2.50 per 1000.**

CASH WITH ORDER, PLEASE.

O. F. SEARLES, Nashua, N. H.

Mention the Florists' Exchange when writing

Pansies Worth Raising

Good Plants, $4.00 per 1000; $2.50 per 500.

Extra Large Transplanted Plants in bloom, as good as in spring, $2.50 per 100.

☞ F. O. B. Express here. Cash with order.

C. SOLTAU & CO., 199 Grant Ave., Jersey City, N. J

Mention the Florists' Exchange when writing.

PANSIES.

The Jennings Strain.

Extra fine stocky plants, from cold frames, in bud and bloom, $1.50 per 100, by express.

Small plants, $3.50 per 1000, by express; 60 cts. per 100, by mail.

Extra fine **Pansy Blooms,** $3.00 per 1000.

SAMPLES 10c. CASH WITH ORDER.

E. B. JENNINGS, Lock Box 254, **Southport, Conn.**

Grower of THE FINEST PANSIES.

Mention the Florists' Exchange when writing.

IF YOU NEED ROSES

Send us your list for prices.

THE C. A. REESER CO.

URBANA, OHIO.

Wholesale Rose Growers.

Mention the Florists' Exchange when writing.

ROSES—50 Varieties

Send your list for prices.

GERANIUMS Well-established, in 2½ in. pots $3.00 per 100; $25.00 per 1000. La Favorite, Peach Blossom, Marg't de Layres, Gen. Grant. We have 25 other good varieties, mostly double. If you leave selection of kinds to us, $2.50 per 100; $20.00 per 1000.

Baby Primrose, 2½ in. in bloom, $3.00 per 100; $25.00 per 1000.

Asparagus Sprengeri, 2½ in., $3.50 per 100; $30.00 per 1000.

Double Petunias (mottled), 2½ in., $3.00 per 100.

Moonvine, 2½ inch, $3.00 per 100.

Fern N. Cordata Compacta, 2½ in., $4.00 per 100.

JOHN A. DOYLE CO., Springfield, Ohio.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000
Mrs. Lawson	$14 00	$120 00
G. H. Crane	5 00	
America	5 00	40 00
White Cloud	2 00	15 00
Triumph	2 00	15 00
Evanston	2 50	20 00
Jubilee	2 00	15 00
Gold Nugget	2 00	15 00
Flora Hill	$1 25	$10 00
Daybreak	1 25	10 00
Argyle	1 25	10 00
Armazindy	1 25	10 00
Lizzie McGowan	75	5 00
Mayor Pingree	1 00	7 50
W. Scott	1 00	7 50
Tidal Wave	1 00	7 50

ROSES.

	Per 100	Per 1000
La France	$2 00	$17 50
Perle	1 50	12 50
Bridesmaid	1 50	12 50
Meteor	$1 50	$12 50
Bride	1 50	12 50

PLANTS—From 2½ inch pots.

	Per 100	Per 1000
Meteor	$3.00	$25.00
Maid	3.00	25.00
Bride	3.00	25.00
Perle	$3.00	$25.00
La France	3.50	30.00
Kaiserin	4.00	35.00

Stock to be first class and to be sold under the conditions that they shall be returned immediately if not satisfactory. Address

GEORGE REINBERG, - 51 Wabash Ave., Chicago, Ill.

Mention the Florists' Exchange when writing.

GENEVIEVE LORD

The Peerless New Pink Carnation.

IN all of our long experience we have never had a Carnation produce as many first-class, high-grade blooms to the square foot as Genevieve Lord. It blooms early and the year round. Its color is just right; "beautiful," "lovely," "exquisite," "perfectly charming," are some of the adjectives used by some of our lady customers in describing it. With all its good productiveness, size is a leading feature, large enough to put it away up front. Its grand stem is perhaps its crowning feature. What is a flower without a stem? Genevieve Lord stands up straight twelve months in the year. When you think of all this, and a con-bursting calyx thrown in for good measure, there is little left to be desired. We are pleased to announce that we can fill orders promptly after April 10th, but do not know how long we can promise this, as stock is going rapidly. To clinch matters and drive a good bargain, order at once.

Price, doz., $2.00; 100, $10.00; 1000, $75.00.

Can also furnish all of the big new ones at Introducers' prices, as well as the best standard varieties.

CHRYSANTHEMUMS A complete list of the best new and standard. Catalogue free to all applicants.

H. WEBER & SONS, OAKLAND, MD.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

OF CARNATIONS.

Both new and old varieties at lowest prices for good stock. Special rates on orders booked for future delivery. Satisfaction or money refunded. Send for price list.

GEO. A. RACKHAM, 880 Van Dyke Avenue, DETROIT, MICH.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

CARNATIONS.

Triumph ..... $1.50 per 100
Victor ..... 1.50 "
Flora Hill ..... 1.50 "

First-class cuttings, grown cool and well rooted. Cash with order.

GEORGE R. GEIGER, - Nazareth, Pa.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS.

WM. SCOTT, $10.00 a 1000. L. McGOWAN, $7.50 a 1000. LADY EMMA, $12.00 a 1000. 500 at 1000 rate.
Unrooted cuttings at half price.

ED. FISCHER, Maspeth, L. I.

Mention the Florists' Exchange when writing.

Carnations, Rooted Cuttings, Crane, $6 per 100; America, $5 per 100; White Cloud, $4 per 100; Jubilee, $2 per 100; Scott, Daybreak, Victor, F. Hill, McGowan, Evelina, Eldorado, $1.25 per 100, $10 per 1000.

Roses, 2-inch Pots, Select Stock. Perles 4 cts.; Bride and Bridesmaid, 3 cts. Send for list of other varieties.

WM. MURPHY, Sta. F, Cincinnati, O.

Mention the Florists' Exchange when writing.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing.

LOOK HERE!

Strong Carnation Cuttings

FROM FLATS.

Mary Wood, White Cloud, John Young, Genesee, Melba, $2.00 per 100; $18 per 1000.
Firefly, John's Scarlet, Flora Hill, Daybreak, Storm King, Armazindy, Helen Keller, Albertina, $1.50 per 100; $13.00 per 1000.
Scott, McGowan, Portia, $1.25 per 100; $10.00 per 1000.

250 at 1000 rates. CASH WITH THE ORDER.

ALSO A FULL LINE OF BEDDING PLANTS.

JAMES E. BEACH, Box 776, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

ETHEL CROCKER

Absolutely the Finest PINK CARNATION Ever Offered the Trade.

It has been in full bloom since September 15th without any stop; it is in full bloom to-day and as full of buds as many varieties that do not bloom until about this time. It is a good, strong grower, and plants procured any time in April will give you good results next winter.

25 for $2.50; 100 for $10.00; 250 for $18.75; 1000 for $75.00.

PANSIES, FREYA and FAIRY QUEEN Two novelties in Bedding Pansies, transplanted seedlings, at $1.00 per 100.

PETUNIA ADONIS Best dwarf bedder, from 2 inch pots, at $2.00 per 100.

ALBERT M. HERR - - Lancaster, Pa.

Mention the Florists' Exchange when writing.

CARNATIONS

Strong, Well Rooted Cuttings, Select Stock.

	Per 100	Per 1000
G. H. CRANE	$6 00	$50 00
MORNING GLORY	6 00	50 00
GEN. MACEO	6 00	50 00
GLACIER	6 00	50 00
AMERICA	5 00	40 00
GOMEZ	$5 00	$40 00
MRS. GEO. M. BRADT	5 00	40 00
WHITE CLOUD	4 00	30 00
MARY WOOD	3 00	25 00
MRS. F. JOOST	3 00	25 00

AND OTHER STANDARD SORTS.

FIVE 1900 NOVELTIES.

	Per 100	Per 1000
MRS. THOS. LAWSON	$14 00	$120 00
ETHEL CROCKER	10 00	75 00
MARQUIS	10 00	75 00
OLYMPIA	$12 00	$100 00
GENEVIEVE LORD	10 00	75 00

Send for Descriptive Price List.

F. DORNER & SONS CO.,

LAFAYETTE, IND. Mention paper.

Carnation Cuttings.

WRITE FOR SPECIAL DISCOUNTS AND
...LET US FIGURE ON YOUR WANTS...

	Doz.	100	1000	Blooms.
Genevieve Lord, the peer of any light pink carnation ever offered	$2.00	$10.00	$75.00	4c. each.
Chicago, scarlet Bradt, from sand or soil	1 50	7.50	60.00	4c. "
Mrs. Lawson, cerise pink	3 00	14 00	120.00	
Olympia, variegated, extra strong from soil	2.00	12.00	100.00	
Ethel Crocker, pink, from soil	1.50	10.00	75.00	

	100	1000	Blooms
Mrs. Frances Joost, pink	$2.50	$20.00	3c. each
Mrs. James Dean, pink. From sand or soil.	2 50	20.00	4c. "
John Young, white. From sand or soil.	2 50	20.00	4c. "
White Cloud, white. From sand or soil.	4.00	30.00	4c. "
Mrs. Bradt, variegated. From sand or soil.	5.00	40.00	4c. "
Gen. Maceo, crimson. From sand or soil.	6.00	50.00	4c. "
Gen. Gomez, crimson. From sand or soil.	6.00	50.00	4c. "
G. H. Crane, scarlet	$6.00	$50.00	4c. "
Gold Nugget, yellow. From sand or soil.	2 50	20.00	4c. "
Argyle, carmine. From sand or soil.	2.50	20.00	4c. "
Jubilee, scarlet	2.00	15.00	4c. "
Armazindy, variegated	2 00	15 00	2c. "
Evelina, white	2.00	15 00	2c. "
New York, deep pink	2 00	15 00	2c. "
Wm. Scott, pink	2 00	15.00	2c. "
Victor, pink	2.00	15.00	2c. "
Daybreak, light, pink	2.00	15.00	2c. "
Flora Hill, white	2.00	15.00	2c. "

CHICAGO CARNATION CO., GREENHOUSES AND ADDRESS. **JOLIET, ILL.**

Mention the Florists' Exchange when writing.

CARNATIONS

Rooted Cuttings.

	Per 100	1000
G. H. CRANE	$5.00	
AMERICA	3.00	$25.00
MELBA	3.00	25.00
LESLIE PAUL	3.00	25.00
GOV. GRIGGS	3.00	25.00
MRS. BRADT	2.50	20.00
FRANCES JOOST	2.50	20.00
EVANSTON	2.50	20.00
JUBILEE	2.00	15.00
NUGGET	2.00	15.00
FLORA HILL	1.50	12.50
TRIUMPH	1.50	12.50
VICTOR	1.50	12.50
DAYBREAK	1.25	10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
McGOWAN	1.00	7.50
MAYOR PINGREE	1.00	7.50
NIVEA	1.00	7.50
EVELINA	1.00	7.50
WM. SCOTT	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS.

	Per 100	1000
BRIDE	$1.50	$12.50
BRIDESMAID	1.50	12.50
METEOR	1.50	12.50
GOLDEN GATE	2.50	

ROSE PLANTS From 2½ in. Pots.

	Per 100	1000
BRIDESMAID	$3.00	$25.00
BRIDE	3.00	25.00
PERLE	3.00	25.00
METEOR	3.00	25.00
GOLDEN GATE	4.00	35.00
KAISERIN	4.00	35.00

All plants and cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded.

Write for prices on larger lots.

PETER REINBERG,

51 Wabash Ave., Chicago.

Mention the Florists' Exchange when writing.

Rooted Cuttings—Carnations

Gomez, Maceo, Jubilee, White Cloud, Flora Hill, Daybreak Scott, McGowan, Portia, Eldorado and Anna Webb.

WRITE FOR PRICES.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO., LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1897. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.

To foreign countries in postal union $2.00. Payable in advance. The date on the address label indicates when subscription expires.

CHANGES OF ADDRESS.

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No advertisement less than 75 cents.

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Copy must reach this office not later than Thursday in order to secure insertion in issue of the following Saturday.

Orders from unknown parties must be accompanied by cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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In the hurry of getting our Special Edition to press, some errors crept in.

In advertisement of Stumpp & Walter Co., page 11, bone dust and sheep manure, should read in 2 lb. boxes, instead of in No. 2 boxes, and the price of Storm King dahlias should be $20.00 per 100, not per 1000.

In advertisement of Ghormley & Perkins, page 361, the telephone number should read 2200 Madison Square.

In advertisement of Joseph Heacock, page 363, the size of pots should read 2 by 3 inches.

Society of American Florists and Ornamental Horticulturists.

DEPARTMENT OF PLANT REGISTRATION.

Lager & Hurrell, Summit, N. J., register Cattleya Trianæ "Aurantiaca." Flowers very large, sepals and petals white, slightly suffused with palest lilac; lower part of petals thrown forward, upper parts gracefully reflexed; lower part of lip whitish lilac superposed by a large wedge-shaped blotch of very bright orange.

Cattleya Trianæ "Fairy Queen." Flowers of medium size, well balanced in all parts; sepals and petals pure white, the latter being slightly reflexed. Upper part or tube of lip white, the lower part light lilac extending to the edges.

Nathan Smith & Son, Adrian, Mich., register seedling canna "The Express" (Philadelphia × Gloriosa). Flowers bright crimson, large green foliage; height 2½ feet.

WM. J. STEWART, Secretary.

Easter Styles.

There is little, if anything, new in Easter offerings this year, either in the way of plants, or in baskets and pot-covers to put them in. Celluloid pot-covers seem to have given place entirely to those made of wicker-work, and the latter prevail in all shades of color. For pots of violets the purple colored ones only should be used. For Erica melanthera there are several shades that are suitable, the flowers and foliage being so delicate that a pot-cover of gilded wicker-work is all right, or a light green or a pure white one may be employed. For hydrangeas the natural straw-colored basket pot holder is the most appropriate; if any other color be used it should be of a very light green.

For azaleas crepe paper is certainly the best. This can be had in any shade or tone wanted, and care should be taken that only those that blend properly with the subjects be used. Ribbon also is permissible with azaleas, as they are such a mass of bloom, a little break in the color adds to their beauty, though gauze ribbon is the best for this purpose. White varieties will allow of both crepe paper and ribbon of a decided pink, but deeper colored ribbon than that should hardly be used. For such kinds as Mme. Van der Cruyssen white paper for the pot and a delicate pink bow among the foliage is the very best combination, and nothing darker should be employed. The deeper rose colored and red varieties are more often spoiled in effect than otherwise, by having ribbon of inharmonious color affixed to them. If in selecting colors to match the flowers we went on the general principle of using lighter shades of the same color for the pink, pink and white variegated, rose and white, or any of the kinds that had white in the flowers, and darker shades of the same color for the scarlet, red and others that show no white in the flower, we should not see so many ugly monstrosities sent out at Easter as works of art.

For the Rambler roses there is no better way to fix them up than to cover the pot with green crepe paper and overlaying the soil with live moss, using green ribbon for tying among the foliage. The width of the ribbon must depend altogether upon the size of the plant. A very wide bow on a small plant is just as much out of place as a small and narrow one would be on a plant 5 feet in height.

Four or five lilies planted together in a wooden tub make one of the choicest of Easter offerings, and, if the tubs are painted nicely—white is the best—and the surface of the soil covered evenly with live moss, ribbons or other accessories are unnecessary. To employ baby ribbon, as is sometimes done, among the blossoms of the noble lily detracts from the flower's beauty, and, moreover, is a waste of material.

With pans of hyacinths, tulips and lily of the valley no elaborate trimming can be done, nor is any needed—simply hide the pan with crepe paper held in place by a narrow white or delicate colored ribbon, excepting, perhaps, where the pan is filled with yellow tulips, when a ribbon of the same shade may be used.

Acacia and cytisus plants should have a wicker pot-cover of a green color; and the ribbon used among the branches should be yellow colored.

Palms, araucarias, dracænas and any decorative plants that are not simply intended for Easter, but are bought for the purpose of house decoration indefinitely, should not have the pots hidden by a flimsy paper cover, but should be put in one of the wicker ones, or, what would be better than either, persuade the purchasers of these plants to take a nice jardiniere.

For more elaborate gifts zinc-lined baskets are the most desirable. These may be had in any required size, and every florist ought to have a collection of them, as they are now made more rustic and natural in appearance than formerly; aside from a spray of some vine or other over the handle no trimming is required.

The August Exhibition.

The schedule of premiums for the horticultural exhibition to be held at the Grand Central Palace during the convention of the S. A. F. O. H., under the auspices of the New York Florists' Club, August 21-24 inclusive, has been issued. The list comprises 36 classes in plants, 8 in cut flowers, 6 in fruit and 7 in vegetables, besides a few miscellaneous, the latter embracing a flower-garden design, a group of ornamental evergreen trees and shrubs, in pots or tubs, etc. The classes for plants provide for groups of foliage plants, groups of flowering plants, ferns, palms, stove and greenhouse plants, dracænas, crotons, caladiums, nepenthes, orchids, new and rare plants, lycopodiums, Asparagus Sprengeri, Acalypha Sanderi, geraniums, rex begonias, gloxinias and cannas.

The flower classes make provision for hardy and half-hardy annuals, hardy perennials and bulbous plants, gladioli, cannas and asters.

Copies of the schedule can be obtained from secretary of the exhibition committee, Jos. A. Manda, 209 Valley street, South Orange, N. J.

BOOKS RECEIVED.

THE FARMSTEAD. By Professor I. P. Roberts, Cornell University. Publishers The Macmillan Company, 66 Fifth avenue, New York.—Though intended more for the farmer proper, yet the many things that all who till the soil have in common, and which are treated upon in the work before us, make a perusal of it equally interesting to the horticulturist as well. The aim of the author has been to furnish advice, which, if heeded and followed, will make the life of the farmer really worth living. Excellent hints as to selection of a location for the dwelling house, the interior furnishings; plans for barns and other outbuildings are provided, and much useful information on the subject of farm life generally and its environments vouchsafed, the whole being presented in a most entertaining manner. The price of the book is $1.25. It is for sale by the FLORISTS' EXCHANGE.

THE AMATEUR'S PRACTICAL GARDEN BOOK. By C. E. Hunn and L. H. Bailey. Publishers The Macmillan Co., Fifth avenue, New York. Cloth, price $1.—This is still another of the Garden Craft series, and contains "the simplest directions for the growing of the commonest things about the house and garden." The subjects treated upon are arranged alphabetically. The authors have furnished nothing new, the aim being to provide answers to the many questions on gardening matters that are asked every year. Many of the illustrations in the book are neither ornamental nor helpful, and the writers even presuppose a complete ignorance of the commonest gardening utensils, supplying pictures of a spade, a shovel, a rake, etc.

Our Prize Competitions.

The attention of our readers is called to the following competitions inaugurated by the FLORISTS' EXCHANGE, and which we hope will receive cordial support from our subscribers:

Commercial Home Grounds Competition: page 336, issue of March 31.

Prize Photographic Competition: page 341, issue of March 31. We have reprinted Mr. L. V. Hallock's paper on Practical Photography for Florists, together with all particulars concerning the contest now under way, and will send same free to any subscriber on application.

Judging Carnations.

Editor Florists' Exchange.

In some quarters there seems to be an inclination to laugh at and ridicule the present method of awarding certificates of merit to new carnations that are candidates for that honor. Some assert that our judgment is based on comparison and that a scale of points is useless. As one who has had the honor to be on the committee to award or withhold certificates for the past four years, I must acknowledge that it is by comparison that we score a given flower a certain number of points, and I cannot conceive how we could ever arrive at any just or reasonable conclusion without the scale of points. My colleagues, one of whom has been associated with me for four years, may have a different view of the subject; but in practice we entirely agree.

I must pause a moment to say that if you placed the new comers of to-day before a committee who had not seen any of the late varieties, and their experience was then confined to such kinds as Silver Spray, Portia, Grace Wilder or Garfield, then they would be so amazed and delighted with the grandeur of Enquirer, The Marquis, Estelle, or Mrs. Lawson, that they could not possibly see a fault in them, and would be glad to call them perfection. Men of such limited knowledge hardly exist, much less are they elected judges. The standard of quality, or the several qualities, has been gradually going higher and higher. While we have no fixed standard of qualities, nor is it possible we ever shall, such as the stem being a certain length and thickness, the flower so much in diameter, or the calyx so much in size, or a certain number of petals, yet we know where the present highest qualities have been reached in several flowers—not all in one flower by any means; but several varieties have some quality that is developed higher than others; and the very best we take as our present standard of perfection. We have not yet seen the carnation that possessed all these highly developed qualities in one variety.

When judging or scoring a flower the stem, form, color, size, substance, etc., are compared with the highest respective quality possessed by some other flower; and when the ones being judged fall short in that quality, which we know exists in another variety, points are deducted according to the deficiency. Without these definite points I cannot see how it would be possible to come to any conclusion. Without the scale of points one judge would say: "Well, I tell you that's a mighty fine flower; that deserves a certificate." Another judge would say: "I don't agree with you. I see several faults about that flower." Then there is an argument, and both will argue on general principles, with no grounds on which to base their reasons.

Without going into other proposed methods of judging, the present seems to me entirely satisfactory; and as long as men are appointed judges who have watched the development, and are acquainted with the leading varieties of carnations, it will continue to be satisfactory to the exhibitors and a guide to the intending purchaser. I have heard of no dissatisfied parties this season.

Perhaps not more than one-third of the aspirants for certificates gain them. The leading growers know pretty well when they see their flowers on the table whether they are going to score the desired points; and less prominent growers can plainly see if they are unsuccessful, why they failed, and how good an all-round flower it now takes to score the requisite 85 points.

The evolution of the carnation during the past 15 years has been wonderful; but not more so than in other plants and animals, where such a thorough system of selection and breeding has been pursued; and cultivation has done much. The human family comprises about the only animals on earth whose perpetuation is left to a perfectly haphazard system, or no system at all; and its a wonder with the tender care that is given to the halt, the lame, and blind, the cripple, and criminal, that man is physically as good as he is to-day. If he is improving physically and morally (we sincerely trust he is) it is due entirely to cultivation, and not in the slightest degree to the great law that produces our carnations or apples, pug dogs or race horses.

Without in any way wishing to criticize our amiable secretary, Mr. Herr, I would beg to say that a great improvement could be made in entry books, so that the judges may know what they have to judge. The books and system followed at any ordinary flower show would be a guide. As it is, the two sets

of judges are now turned loose in the hall without a memorandum of any kind whatever. No wonder the three men at Buffalo who judged the competitions made no report. They had nothing to report. They took up a ticket and wrote on, first, second or third, as the case may be; but they could not report it, for they had no entry. In the entries for certificates a few cards could be supplied the judges, ruled with the several qualities and number of points for each; then the judges could hand in a full and correct report of merit each variety scored. And it would be a record for the secretary to publish and file away. Above all, the judges should have a book, with the entries and their number, which should correspond to the number on the exhibit.

I have no wish to increase expenses or entail work on the secretary, but what I have mentioned is most simple and highly essential. And now that entries are to cease definitely a few days before the exhibition they can be entered in a small book and handed to the judges with ease, which will make more satisfactory work all round

I feel, Mr. Editor, that I have said nothing new on this subject. The venerable Mr. Graham or the classical Rudd could give you brighter ideas. I see nothing but what is very simple in the whole matter, and, as I have before said, the present system is highly satisfactory. If I had the good fortune to raise a carnation of great excellence, there would be nothing I should strive for so quickly and eagerly as the certificate of the American Carnation Society. As a guarantee of its high qualities the certificate is even more lasting than the alleged $30,000 sale.

As the member from Spokane said, "Them's my sentiments."

WM. SCOTT.

Our Carnations as Others See Them.

Editor Florists' Exchange.

In the last issue of your contemporary, American Gardening, I see Mr. Richard Dean returns to the above subject, not however, to discuss it on its merits, but having dipped his pen in some corrosive or sulphuric fluid proceeds to express himself in vituperative abuse that ill becomes a Victorian Medalist of Horticulture, which honor, I thought could only have been accorded to broad-minded men, whose utterances would command respect. I have no desire to emulate him in this, but since he has referred to my past writing in the Garden I will make reference to chapter and verse. If any readers have access to back volumes of the Garden they can refer to Volume 34, page 242, where they will find Mr. R. Dean in a "white heat of indignation" regarding statements of mine that were just as true as those I made in regard to carnation Olympia.

If Mr. Dean's faculty for reasoning is so obtuse that he could not perceive why the exhibitor made the statement that the carnation in question was only grown in four inches of soil, I must decline the laborious task of enlightening him, for it was certainly not made as an apologetic excuse; but there is no need to quibble as to the interpretation placed upon the statement made, for we have it stated as plainly as Mr. Dean could express himself, that the depth of soil was responsible for the shortcomings of the flower, and he reiterates this statement in his latest communication when he says: "There can be no doubt about it that to the method of culture adopted in the case of the plants brought to the meeting of the Royal Horticultural Society was attributable this fact."

Now the fallacy of this assertion is pointed out Mr. Dean would have the exhibitor held partly responsible for the absurd statement; which, followed to a logical conclusion, implies that any carnation can be improved in a direct ratio with the depth of soil given.

In most controversies there is room for substantial difference of opinion, but that Olympia can be improved by being grown in any greater depth of soil than is given it at Summit will not be conceded; and I fancy Mr. Dean will have some difficulty in getting others to indorse his opinion.

Madison, N. J. A. HERRINGTON.

Firms Who Are Building.

HOLMESBURG, PA.—Charles D. Ball is to build four greenhouses, 50x23 feet 6 inches each.

CHATHAM, N. J.—J. T. Wagner expects to build this Spring.

CARMEL, ME.—Ernest Harvey will build a greenhouse shortly.

HOMER, N. Y.—During the coming season J. J. Arnold expects to build two carnation houses to meet his growing trade.

CHANGES IN BUSINESS.

SPARKILL, N. Y.—Courtney & Dutcher have leased a greenhouse plant here.

KINGSTON, ONT.—D. G. Johnson will shortly take possession of his new place of business.

YORK, PA.—Charles E. Smith has opened a permanent store at 20 East Market street.

CHICAGO.—The Boulevard Floral Co. has opened a place of business at 907 Garfield Boulevard.

MONTGOMERY, ALA.—W. H. Manly has bought the Williamson greenhouses, and will enlarge them.

SHERMAN, TEX.—Mrs. H. O. Hannah is establishing an uptown flower store at 138 North Travis street.

KINGSTON, N. Y.—John McVey, Broadway, owing to increasing business, will remove from his present location in the Mansion House block, to No. 37 Broadway, in the Kennedy row, on or about April 1.

FIRES.

DES MOINES, IA.—J. W. Lozier's flower store, at 408 East Sixth street, was completely destroyed by fire March 26. The loss on stock and fixtures was $1,500, and on the building $500. The building was fully insured, but there was no insurance on the stock. The fire is supposed to have started from an electric wire, but nothing definite is known. He will rebuild at once and continue the business.

SALEM, MASS.—A fire in the rear of the greenhouses of Henry F. Conant & Co., March 30, caused some damage to the houses through breakage of glass.

Among the Magazines.

The Forum for April, among its thirteen noteworthy articles, contains the following: "The New Financial Law," by Frank A. Vanderlip, Assistant-Secretary of the Treasury; "The Puerto Rican Relief Bill," by Congressman Albert J. Hopkins; "The Hay-Pauncefote Treaty," by James G. Whiteley; "Immediate Naval Needs," by Capt. William H. Jaques; "A Tuberculosis Quarantine not Practicable," by Dr. William P. Munn; "Canals from the Great Lakes to the Sea," by Maj. T. W. Symons, of the Special Canal Committee appointed by Gov. Roosevelt; "The Truth about Zionism," by M. Gaster, Founder of the English Zionist Federation, and "Literature as a Profession," by Prof. Brander Matthews.

OBITUARY.

James E. Roberts.

James E. Roberts died Sunday night at his home at South Farms, Conn., aged 41 years. A year or so ago he had an attack of typhoid fever, which developed a serious heart trouble from which he never recovered. Deceased was born in Durham. Mr. Roberts was a member of St. John's Lodge, No. 2, F. & A. M.; Washington Chapter, No. 6, R. A. M.; Cyrene Commandery, No. 8, K. T.; Apollo Lodge, No. 33, K. of P., and Mattabessett Grange, No. 43, P. of H.

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Notes from Southern California.

The General Outlook.

With the opening of the season last Fall the outlook for the seed, florist and nursery trade was indeed auspicious. With the remainder of the country conditions were favorable for business—good, healthy activity in every direction, and in all lines. The opening found every condition favorable for a prosperous year, and matters continued in that light until about February 1, when it became apparent that unless rain fell copiously in the immediate future another dry season could be anticipated. At this writing, March 20, that expectation is about to become a rather unpleasant as well as an unprofitable fact. The total precipitation has been, so far, about six inches in this immediate locality; at Santa Barbara about nine; at Riverside a trifle over seven, and in San Diego less than four. At each of these points, covering a wide geographical area, the rainfall has been much less than normal, and, as a consequence, all growing things will be retarded, and the crops at best but a partial success. Readers of the FLORISTS' EXCHANGE in New York State will probably not quite grasp the situation. If they can imagine no rainfall from May to November, its significance will become apparent.

To be sure, climatic conditions are entirely different, and in the main we rely on irrigation; nevertheless a scant rainfall even in Southern California is not calculated to lubricate the wheels of business. It is safe to say that the grain crop is from two-thirds to three-quarters failure, and the general run of garden crops much below the average. Orchard products, particularly where irrigation water is available, will do better, though the yield will be lighter and the quality slightly inferior to that of average years. Of course, along with this general depression the seed trade is destined to "pot luck" for the present, unless for some unforseen reason we should have a few weeks of rainfall before the Summer season sets in.

The Seed Trade.

Those comprising the principal houses in the wholesale and retail seed trade in Southern California prepared for big business last Fall, and in so far as trade in Arizona, New Mexico, Texas, Southern Nevada, Central California (where the rainfall has been ample to mature crops), and the Eastern and foreign exports are concerned, the trade has been exceptionally good; locally, however, the stocks have moved rather slowly. In keeping with this the production of seed crops the coming Summer season must necessarily be light, and in some cases a total failure. Owing to this auspicious promise of good business in the Fall, the Germain Fruit Company, the Johnson & Musser Seed Co., Messrs. Watson & Son, Mrs. Theodosia B. Shepherd, Messrs. Howard & Smith, Dr. F. Franceschi, etc., all issued catalogues of good size and in large editions. The Germain book was probably the largest catalogue ever issued west of the Missouri River, and was a valuable contribution to the literature of seed growing and seed selling under a California sun. It is indeed surprising, as well as gratifying, to see the trade enjoyed by these houses in the southwest generally. It is a trade covering an empire peculiarly its own, which is distined to make Los Angeles its chief and only distributing point.

The Florists.

Viewed by itself the florist trade has less to fear from a drought than the seed trade or nurserymen. Cut flowers are quite generally the product of green or lath house conditions; in any event the area devoted to this branch of soil tilling is after all comparatively small, and hence more under control. The trade in this direction is also extending, and shipments are now quite common to Texas, Utah, Colorado, New Mexico and Arizona.

And while on the subject of flowers I want to call the attention of the readers of the FLORISTS' EXCHANGE to a meritorious novelty in the new canna, Mrs. Kate Gray, now being first introduced to the trade by Messrs. Howard & Smith, nurserymen, of Los Angeles. I am constrained to this in deference to the discussion now going on in these columns anent the question of hybridizing cannas. It has been my pleasure to critically inspect this new candidate for garden and indoor decorative honors in all its glory in the open field, and I unhesitatingly pronounce it a really magnificent thing. Let me briefly describe it: Imagine a canna plant about 7½ feet high in the clear, with foliage of a bright glossy green, equalling in many respects that of a musa, with enormous spikes of bloom of a rich shade of orange scarlet overlaid with gold; flowers perfect in form, the petals being broad and overlapping, measuring 2½ to 3 inches across, while the flower itself is from 6 to 7 inches in diameter; the texture is all that could be desired, partaking strongly of the Crozy or parent race. The plant is hardy and will withstand our hot Summer days admirably. Mrs. Kate Gray is a magnificent hybrid, originating in the nursery of Capt. F. Edward Gray, in Alhambra, and is the direct result of a cross between the orchid-flowering canna Italia and Mme. Crozy. It is admitted that the latter is the result of various crosses of Canna indica, and several species other than C. flaccida; it is further admitted that C. flaccida crossed with Mme. Crozy produced the present Italian type, which is generally supposed a sterile hybrid, though literally this is not true, as the successful cross between the Italian and Crozy on Capt. Gray's unply proves, a half-tone engraving of which (made from a wash drawing from life) is shown herewith.

The Nursery Interests.

In this department of horticulture the call has been for citrus trees and ornamental stock, in which the demand for good plants has been in excess of the supply. Three or four dull seasons have resulted in old stocks being well cleaned out, the new not sufficiently along to be of saleable size. Prices are good in all directions. Citrus nursery trees are bringing from 75c. to $1 each, and other prices in other lines are equally stiff on a rising market.

Trade Echoes at Random.

Messrs. Chas. Brazee & Co. have three acres exclusively to freezias at Wilmington. They are growing for the export trade, and anticipate a splendid crop of the bulbs.

The Redando Floral Company reports business good at their Los Angeles store. At their seed and flower farms, situated at Redando, they are planting heavily to carnation cuttings.



Flower of Canna Mrs. Kate Gray.
(Italia X Mme. Crozy.)

O. C. Saaks succeeds to the business of the Central Park Floral Company, at No. 135 South Spring street, he having bought out Mr. Sumner, the former proprietor.

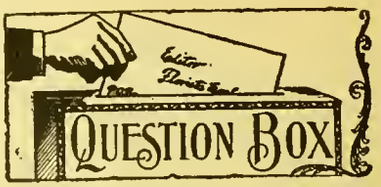
The Brose-Fleur Seed and Plant Company are forging ahead. Their growing trade has demanded larger quarters for the plant department, which has been secured just to the rear of their seed and florist store. They now have a handsome stock of flowering and ornamental foliaged plants.

Ernest Braunton, long known to the trade, is now in charge of the magnificent home grounds of John Singleton, Esq., where some of the best landscape art to be found hereabouts is gradually taking shape. Some $10,000 has already been expended on the grounds, and when these are all planted they will contain the finest collection of trees and plants to be found in Southern California. It is the intention to issue a private catalogue later on.

Edmund Germain, who has been placed in authority in the Germain Fruit Company, is certainly winning his spurs. This last Spring they added a full nursery equipment in the rear of their seed house, in order to expedite their plant trade. This house now carries poultry supplies also.

Among Mrs. Theodosia B. Shepherd's novelties must be mentioned three varieties of Giant cosmos, two beautiful giant flowered nasturtiums, some fine new rex begonias, chrysanthemums, etc. Her new catalogue comprises some 75 pages, and enumerates a vast number of plants, many of which are peculiarly products of Southern California conditions, coupled with her enterprise and painstaking care and industry in their creation.

HENRY W. KRUCKEBERG.



(79) **Begonia Vulcan.**—Begonia Vulcan is known botanically as B. semperflorens atrococcineum. It is a seedling from B. Vernon, and represents a variety only.

(80) **Carnation Flora Hill Bursting Calyx.**—Perhaps the reason why your Flora Hill carnations have bursted so badly is owing to the temperature being kept too low. This variety does remarkably well with some florists, while others are unable to grow it successfully.

(81) **Heating by Bundy Boiler.**—Is a Bundy sectional boiler suitable for greenhouse heating? How many tons of coal should be a fair estimate for a rose house, 100x18 feet, from September to May?

—We would suggest that you inquire of the makers of the boiler. Very much depends on the manner in which it is set, and the kind of coal used.

(82) **Carnations in Solid Beds.**—To what extent are carnations grown in solid beds. One of the local growers here seems to have unqualified success in solid beds in high houses; said beds are from 8 to 15 feet from glass. The old method was as near the glass as possible to secure sufficient head room, but the local grower seems to have a much better result. Has anyone else tried this method to your knowledge?—WORCESTER.

(83) **American Beauty Outdoors.**—To have American Beauty roses flower more than once in a season when planted outdoors, no particular treatment differing from that applied to other hybrid roses is necessary. When the flowers are ready for use, cut them with long stems, that is, down to within three or four eyes of last season's wood; feed them liberally to induce new growth, and keep them as clean from thrips or greenfly as is done in the greenhouse.

(84) **A Shower Bouquet.**—A shower bouquet differs from the ordinary bridal bouquet by having long sprays of flowers trailing from the bouquet proper. The length of the trailing sprays is according to the height of the person who is going to carry the bouquet. They may reach almost to the ground if so desired. As rose stems are rather stiff for the purpose a few buds fastened to sprays of asparagus with fine wire give the best effect. Make the bouquet as loose as possible, and let the sprays droop gracefully from the front, rather than from the center.

(85) **Pearl Tuberoses for Autumn Cutting.**—To make the best use of 1,000 tuberose bulbs we would start a number of them at once, by putting them in a sand bench with bottom heat, in a greenhouse, potting them into 4-inch pots after growth begins. Another batch should be started ten days later to follow in succession. When the weather becomes mild enough the plants must be taken out of the pots and set outdoors. Successive batches also must be planted in the open ground, getting the last lot in by the middle of July. By pursuing this plan the flowers can be had over a period beginning early in the season and lasting until frost comes.

(86) **An Average Rose Cut.**—What should be a fair or average cut of roses—Bride, Bridesmaid, American Beauty and Meteor—in new and modern houses, 100x14 and 100x18 feet, with proper temperature, per day and week—fancy, extras, etc.? How many roses would I require to fill houses of said sizes?—H. F. A.

—What would be the average cut from the roses mentioned would depend upon too many unforseen circumstances to allow us to estimate correctly. Plants when well grown will throw up from 20 to 30 buds each in a season, and if 7 or 8 of the buds made fancy and extra blooms that would be a fair average. Some growers would do better than this, however, and many would not do so well—it all depends upon the grower and the facilities at hand, such as soil, help, etc. The number of plants required for a house 100x18 feet would be about 1,050; this would allow of the paths taking 5 feet from the width of the house, and planting the roses 12x15 inches apart.

Bulb Show at Haarlem, Holland.

On Friday, March 16, the quinquennial exhibition of blooming bulbs at Haarlem was opened by Mr. E. H. Krelage, and was quite a success. The room was transformed into a beautiful garden, with thousands of flowers in every color. On the left groups of blooming hyacinths were nicely arranged. Every set was fine and every flower a giantess. The finest display of hyacinths was made by Messrs. J. H. Kersten & Co., Humstede. It consisted of 75 varieties in pots, and was awarded a gold medal and $10. Amaryllis (Hippeastrum) made a splendid sight, shown by J. W. Dandey. The flowers were wheel-shaped, and have a much nobler form and less green in the inside.

Seventy-five hyacinths in glasses were splendidly shown by G. Van der Mey, of Lisse, receiving also a gold medal and $10. Darwin tulips (self-breeders) were exhibited by Messrs. E. H. Krelage & Son. These tulips were from 2 to 3 feet in height and were arranged in a semi-circular bed. Every variety had only one color that was somewhat lighter toward the edge of each leaf. The colors are soft and nice, sometimes dark; but they comprise also bright red and sparkling violet. They gained an extra prize.

Next came a bed, consisting of different species, yellow, white and rosy richardias, and strangely shaped arum flowers, being the principal stock. Near this was a bed of Polyanthus narcissi in pans. This makes a very nice display, and I do not understand why American florists do not use more of these bulbs for cutting purposes. They can easily be forced and are very cheap, too.

A collection of 25 pans of blooming hyacinths in 25 varieties, 10 of each variety, forced and sent in by Messrs. E. H. Krelage & Son, were a masterpiece. Nearby was a bed of botanical tulips; that is to say, tulips something monstrous, but never grown in large quantities. Among them were Tulipa cornuta, Tulipa oculus solus, Tulipa Florentina odorata, Tulipa elegans, Tulipa viridiflora (a variety with a deep green flower), etc. Close to these were some 20 pans of blooming valley clumps, which were literally covered with snowy flowers. A bed of blooming iris, lachenalia, muscari, trillinms, etc., was next to them, and farther on a large circular bed of spiræas and Dielytra spectabilis. I have often seen finer plants of those kinds.

The bouquets and flower arrangements were composed of bulb flowers only, and very loosely arranged; but I think the work was somewhat superficial.

In the next hall were found narcissii, tulips and a few collections of orchids. Neither the narcissi nor the tulips can be compared with those of five years ago. There were numerous pots and pans and glasses that created quite a show, but really extra flowers and plants and superior collections were absent.

As regards tulips there is not the same enthusiasm in forcing fine collections of them as existed five or ten years ago. I suppose the cause is the heavy expense, which is not within the power of every grower here. J. B.

BRIEFS FOR BUSY FLORISTS.

If the herbaceous beds or borders were not renovated in the Fall now is the time to do it. This part of the florist's garden should be kept up in the best possible manner, as the flowers that can be cut and used from the plants come at a time when they are really valuable. Where it is intended to plant new stock it should be done as soon as the ground can be worked. The following are all useful for cut work and should be in every collection: Tritoma, rudbeckia, achillea, aquilegia, helianthus, hemerocallis, funkia, scabiosa, phlox, dianthus, gypsophila, gaillardia, digitalis, campanula, coreopsis and anemone. Dig over the ground thoroughly, adding plenty of good rotten manure before planting; and if late frosts threaten, be sure and protect the newly planted stock.

Outdoor roses will have to receive some attention as the Spring advances. The mulch can be cleared away and the plants pruned back. Hybrid perpetuals should be cut well back, and the weaker last year's growth was more severe the pruning should be. The tea and hybrid tea roses will not stand such severe pruning, and this must be borne in mind when the work is being done. Tie every plant to a stout stake after the pruning is done; stir the surface of the soil lightly with a fork, being careful not to go deep enough to interfere with the roots.

There is other outside work that ought to be pushed as rapidly as the weather will permit, such as sowing sweet peas, planting of gladiolus bulbs; firming the soil around the pansies when the covering has been cleared away should not be forgotten either.



Exhibit of Messrs. J. H. Kersten & Co. Awarded Gold Medal for 75 Hyacinths.

Exhibit of Van Waveren Turner. Awarded Silver Medal.

Quinquennial Bulb Exhibition at Haarlem, Holland.

In the greenhouse stock is apt to get a little crowded. Easter being so late we have to keep the flowering plants in good condition longer than usual, and if extra care be not taken of the bedding stock some of it will be found lacking when wanted. All semi-hardy plants, when well established, are just as well off in frames as they are on the benches, providing some protection can be given when frost occurs.

Seed of Primula obconica should be sown about now. The impression that prevailed at one time about this flower being too dangerous to handle has almost died away, and as a Winter-flowering plant we cannot afford to be without it.

Nasturtiums, also, should be sown, and they will be just the right size when wanted. If sown earlier they usually get too large and do not transplant well. The best method is to sow in pots, three or four seeds in each; they can be kept in the same pots until time to plant, when they can then be knocked out and separated without shaking all the soil from the roots.

From present appearances the hyacinths, pot grown, for Easter, are not going to be very satisfactory, a large proportion of them being small indeed. Named varieties, however, are much better, and though they are more costly it looks now as though they will be the most profitable.

American Dahlia Society.

A poorly attended meeting of this society was held in New York City, March 27. L. K. Peacock resigned the office of secretary, and J. W. Withers, of New York, was elected to succeed him.

Interest in this society as at present constituted seems to be limited, and there was an evident desire in some quarters that reorganization on a different basis was necessary to insure success; but a majority of the eleven persons present favored continuing under existing conditions, urging greater enthusiasm and more work by the members.

The society indorsed arrangements making for a show at Springfield, Mass., next Fall, and appointed a committee to outline the work of the association, particularly with regard to nomenclature.



General View of Quinquennial Bulb Exhibition at Haarlem, Holland.

A very neat pamphlet announces Wm. Scott's (of Buffalo) change from Main street, that city, to his greenhouses at Cold Spring, besides setting forth his Easter offerings.

HINTS and HELPS.

Magnolia stellata is well adapted for forcing as medium-sized plants; that is, those about 18 inches or 2 feet in height are usually well provided with flower buds. The plants will stand lifting from the open ground a few days before they are wanted in bloom. In this locality they are now showing color in the open border. Those intended for forcing should be lifted and potted before the roots get dry through being exposed to the air. A few days in a genial atmosphere will bring them into flower.

Achimenes.—In places where these plants are grown they usually increase at such a rapid rate that many of the tubers are annually thrown out for want of knowing what to do with them. They are generally grown for the embellishment of conservatories in Summer, but they may also be very successfully utilized for planting out-of-doors in partially shaded situations during the Summer months. During the last 15 years we have used them for this purpose, and they do grandly, the flowers being very freely produced from June till September. Start the tubers in the pans in which they were grown last season without any further preparations than giving a top-dressing of leaf soil and sand. When the shoots are about an inch high an 8-inch pan will give about a dozen clumps each, large enough to go into a 4-inch pot. Grow them on until they show flower, which should be about the middle of May. Plant them out in light soil.

Moonflowers.—For covering trellis-work or for training up strings by the sides of porches, there is nothing better than the moonflower Ipomœa grandiflora or Bona-nox. It is by no means so well known as it might be, mainly because during the period when the people plant flowers in their yards, the plants offered for sale have an unattractive appearance. This, of course, cannot be otherwise, as they will not flower except on large vines. The plants should never be sold except from 4-inch pots, and if from 5-inch so much the better, as they then start growing right away and flower from three to four weeks earlier than when planted out from 2½ or 3-inch pots.

Primula elatior cœrulea.—So far as color is concerned this is a decided acquisition. It is, so far as I am aware, a nearer approach to blue than is to be found in any other variety of primrose. The variety was sent out a short time ago by Haage & Schmidt, of Erfurt. It is quite hardy, coming into bloom in this locality about the middle of April. It has a very striking appearance when grown in pots, and ought to be a good selling plant for small city gardens. Seeds sown now will give blooming specimens by next Spring. Older plants are best divided and replanted during the latter part of September or put in pots and kept during the Winter in frames.

Nepenthes cuttings, which have been occupying thumb pots for some time, and which show the roots at the edge of the ball, should get a shift into 3-inch pots. I find the easiest way to do this is to place a little of the potting material in the palm of one hand, lay the ball among this and place some more potting material over it, then squeeze the mass into a 3-inch pot pretty tightly. The operation can be performed quickly and without hurting in the least any of the tender roots. Replace the plants in the propagating frame for a few days, gradually giving air. Remove in a week or ten days to the house in which they are to grow, plunging the pots in sphagnum, to prevent rapid drying.

Cœlogyne cristata.—Plants of this popular orchid which are becoming too large may be successfully divided at this time. The growing points make only one pseudo-bulb and two leaves each year, and along the stem may be found three, four, and sometimes five old pseudo-bulbs, representing the growth of so many years. Under favorable conditions new growths will start from the bases of one or more of these old pseudo-bulbs, and it is owing to this characteristic that the plants are capable of division. Great care must be exercised in the operation of dividing to disturb the plants as little as possible. The pieces after division should be large enough to go into a 6 or 8-inch pan, packing the potting medium carefully among the roots, and finishing off with live sphagnum.

G. W. O.

New York.

The Market.

This has been the dullest week experienced during the present Lenten season, although the weather has been all that could be desired for the first week in April. Funeral work only seems to be in vogue just now, consequently white flowers are in greatest demand. Red roses have probably suffered more during the last few days than any other flower. Good Brunner have sold very cheap, some going as low as $4 per 100 some days. Beauty are plentiful, and no reasonable offer is refused; although for the top grade $3 per dozen is asked regular buyers are getting them at a figure much lower. Rothschild also have met with poor favor this Spring, and the prices realized for them will tend to disheartenn growers from increasing the output of either this or any other hybrid rose for early Spring, as there is certainly no profit in growing this class of roses under glass for $6 or $8 a 100. Present indications point to a large supply of roses for next week, both in American Beauty and the teas.

Carnations will probably not be so abundant; they have been coming in rather light for some time and, as yet, show little sign of increase. Would-be holders up of carnations will do well to refer back to last year's results and not dump a lot of old flowers on the market Easter Saturday, as was done then.

Violets of special grade are very much in the minority, and bring 75c. per 100; the others, well, they go at any price. The Greeks are selling them on the sidewalks at 15c. a bunch, so they must have been bought very cheaply.

There are plenty of Easter lilies around, and the best can be had for $1.50 per dozen. It does not seem at this writing that there will be any advance on this price for next Saturday's sales.

Cattleyas have gone up, 60c. each being now asked for them. Valley remains about the same as last quoted, as do daffodils, tulips and single narcissus, all of which are in plentiful supply.

Asparagus and smilax are in good demand; maidenhair fern going rather slow.

Several of the cut-flower dealers are preparing to handle plants for the Easter trade. These have become such a prominent feature for this holiday that many growers are willing to send plants on consignment to this market.

Alex. Guttman moved into his new quarters, 52 West 29th street, on Monday last.

Auction rooms.

Rhododendrons, roses, boxwood and general nursery stock have been the principal offerings in Wm. Elliot & Sons' and Cleary & Co.'s auction rooms this week. The latter firm announces a Japanese sale for the 11th and 12th inst.

An Orchid Sale.

Sander's annual Spring sale of orchids will take place at Cleary & Co.'s rooms, Vesey street, on Thursday, April 19. Many new and rare kinds are to be offered.

Among the Retailers.

Theodore Lang has taken the store and greenhouses situated at 93d street and Broadway, recently vacated by Edward Smith. Mr. Lang will make this an uptown branch of his Sixth avenue store.

Alex. McConnell is having the electric fountain taken out of his window preparatory to having a new interior fixed therein, to make room for a large Easter display.

The monthly meeting of the New York Florists' Club will be held Monday evening, in Elks Hall, corner 27th street and Broadway. The Bowling Club will meet in the afternoon of the same day at the alleys, corner 57th street and Sixth avenue.

Alex. McConnell, Fifth avenue, has just compiled and published an interesting pamphlet, giving descriptive botanical classification of hardy evergreen deciduous trees and shrubs, and herbaceous perennial plants, ornamenting Georgiancourt, the Winter home of George Jay Gould, Esq., at Lakewood, N. J.

J. Arnot Penman (Jim the Penman) has recently been having rather a hard time of it physically. An abscess on his head kept him confined to his room for two months. This was followed by an attack of erysipelas, necessitating his removal to Bellevue Hospital, from which institution he was discharged Friday last.

A Flower Show.

An exhibition of flowers, fruits and vegetables will be held in the rooms of the American Institute, Berkeley Lyceum Building, West 44th street, Wednesday, April 11, at which some substantial money prizes will be offered. At the meeting in the afternoon of same date the subject, "Easter Flowers," will be opened by Samuel Henshaw.

Rose Show Notes.

The gold medal of the New York Florists' Club, for best 100 roses, in four varieties, from growers residing outside a radius of 100 miles of New York, was captured by Peter Crowe, Utica, N. Y., with Bride, Bridesmaid, Golden Gate and Beauty, the silver medal being won by Benjamin Dorrance.

The Lincoln Co.'s prize, for "finest roses in the show," went to E. M. Wood & Co., of Natick, Mass., with some handsome Bridesmaid and others.

J. L. Dillon showed a vase of the white carnation Queen Louise.

Boston.

Market Notes.

Business quieted down a little bit the past week. Flowers are becoming more plentiful generally, and a slight falling off in prices has been the result.

Roses are in very good supply—American Beauty, Ulrich Brunner and Jacqueminot being all quite plentiful. Beauty fetch about the same prices as last quoted. Brunner have decreased in value and now range from $6 to $20 a 100, a limited supply of extras fetching $25. Jacqs. are not at all abundant, and do very well, at about the same prices as Brunner.

Carnations have become a trifle more plentiful and have moved slower; still the good ones are snapped up early at very good figures. White and Daybreak, though still short, are more plentiful than they have been for some time, and finest grades which last week brought $3.50 to $4 sell this week for $3 to $3.50.

Lilies are now in good supply and values are decreasing. Valley is abundant. Mignonette is in very good supply, and prime stock still maintains $3 per 100. Violets are beginning to show the effects of the warm weather. It is a question whether they will hold out of good quality until Easter. Single violets are now pretty well played out.

The News.

Thos. Capers, of Wellesley Hills, has a fine crimson seedling carnation, of which he brings in a few flowers each week. It is a cross between Mangold and a Mangold seedling, and he calls it seedling No. 44. It is a large, well, formed and fragrant flower, borne on a long, strong stem, and is a very free bloomer.

The Flower Committee of the Massachusetts Horticultural Society visited David Monteith, at Dedham, on Thursday of the past week, to inspect two seedling carnations of which mention was made in my notes some time ago, the most promising one being a dark pink—a cross between Scott and Daybreak.

The Committee on Gardens, the same day, visited the tomato houses of Dr. Jabez Fisher, at Fitchburg, Mass., where tomatoes are grown on the sub-irrigation principle, and the cucumber houses of William Proctor, of the same city.

Jos. H. Woodford, chairman of the Committee of Arrangements of the Massachusetts Horticultural Society, who has been confined to his home for three weeks, was out for the first time on Wednesday, and is on the road to recovery.

James H. Delay, of Beacon street, returned last week from a business trip to New York and Philadelphia.

A scheduled exhibition will be held at Horticultural Hall, on Saturday, April 7, prizes being offered only for vegetables.

President Wood has received many congratulations on his winning the first prize for the best roses in the New York exhibition.

The shelves in the new chest at J. Newman Son's store gave way Saturday morning just after the stock for the day had been put in, doing damage, it is understood, of about $100, including stock, vases, plate glass, etc.

T. G. Thrasher, of Avon, is bringing in a fine lot of Ulrich Brunner roses.

H. K. Southworth, the violet grower of Stoughton, has been confined to his house for three or four days with the grip.

W. Rosenthal has sold out his place on Bosworth street, sale to take effect June 1. He is to occupy, in addition to his present quarters, at 5 Bromfield street, a commodious room above, with separate entrance at No. 3½. Mr. Rosenthal is also occupying No. 7, next door, for the Easter trade.

Among Growers of Easter Stock.

Wm. A. Bock, at North Cambridge, has an unusually fine lot of Easter stock. He is growing about the same variety as last year. The lilies are very fine, clean, healthy, and well flowered, and with a very good average of blooms per stem. Azaleas and rhododendrons, too, are finely grown. He also has a nice lot of small spiræas, marguerites and genistas in salable sizes as Easter plants. Hydrangeas are grown also, but not so many as in former years. Mr. Bock has a nice lot of geraniums, heliotropes, fuchsias, etc., in small plants, for which he finds quite a demand in his home trade.

Fred. C. Becker, Cambridge, has azaleas in all sizes this year, as well as a fine lot of lilies. Outside of these, the staples, most of the plants are grown for home trade. Mr. Becker also has quite a demand for small plants of geraniums, heliotrope, ageratums, fuchsias, etc., which he supplies to the neighboring churches to be given away to the children. The houses of Boston ferns are in excellent condition.

Wm. S. Ewell & Sons have a nice lot of bulbs that will be in prime condition for Easter delivery, and a lot of azaleas in all sizes. This firm is also growing quite a number of geraniums, begonias, heliotrope, etc., for which they find quite a demand at home.

E. E. Sutermeister, Dedham, has a nice lot of bulbs in pans, also very fine spiræa plants.

F. J. N.

Philadelphia.

The Market.

The cut flower market has shown great activity during the past week. Business with the stores has been good, and flowers of all kinds in demand. It really seems that dull Lenten seasons are things of the past.

Roses are in good supply and sufficient for all demands, long-stemmed Beauty being rather too plentiful; $5 per dozen is asked for the best, but very few are sold at that price. Medium-stemmed flowers, of good quality, are in demand. Outside of the very best flowers the price for Beauty ranges from $1 to $3 per dozen. Of tea roses a few choice Bridesmaid and Bride sell at 10c., but the general price of all teas is from 4c. to 8c.; good Perle sell at from 4c. to 5c. There is also in the market fine flowers of Liberty and a fair supply of Morgan and Goldea Gate, also a few Chatenay. Not very much bulbous stock is offered. Valley is now selling at $3 and $4 per 100. Lilies are going at 8c., 10c. and 12c. per flower.

Carnations are about the best selling stock just now, it being difficult to fill all orders. This is on account of the supply falling off, so many growers having thrown carnations out to make room for other crops. Prices range from $1.50 to $4 per 100, according to quality; all colors selling well, except yellow. Choice strings of smilax are in demand.

Visitors this week were: P. Welch, Boston; A. Lange, Chicago; Theo. Vincent, Baltimore; G. R. Clark, Scranton, and Z. D. Blackestone, Washington, D. C.

The Easter Outlook.

From present indications Easter business, as far as the grower is concerned, will be very good. Already many growers are sold out, and if the present good weather continues the retail stores will do a larger trade than ever.

Club Notes.

The Florists' Club meeting on Tuesday last was not largely attended. Benj. Dorrance read his paper on what the American Rose Society is doing for the Queen of Flowers. A discussion followed which was mostly a repetition of that of two months' ago, viz., as to why no more than four varieties of roses were grown. No satisfactory explanation was reached. The grower said it was the store man's fault, and the store man said it was the fault of the grower.

The Floral Exchange, Inc., had a vase of blooms of their new rose Queen of Edgely on exhibition. The committee on exhibits reported as under:

"We are convinced that this variety is a valuable addition to the list of forcing roses, being in every respect, except color, the exact counterpart of the American Beauty. The color is a beautiful bright pink, which is good even in the full flowers. The fragrance is also as fine as that of Beauty, and the exhibited blooms showed remarkable vigor.

Signed:

ROBERT KIFT,
WM. MUNRO,
JOS. HEACOCK.

D. R.

St. Louis.

Trade Notes.

Wholesale men report excellent trade the past few days, almost everything being cleaned out nicely, and at very good prices for this time of year. Roses sell at 3c. to 8c.; carnations, 2c. to 4c.; Beauty, $2 to $4 per dozen—rather scarce; violets, 20c. to 30c. per 100 for California; small, at $1.50 per 100. Valley is plentiful, at 3c., and very good callas bring 10c. to 12c. A few Dutch hyacinths come in that realize 2c. to 3c. Very few Harrisii are in the market; they sell at 10c. to 15c.

As Easter approaches the usual cry of scarcity in lilies is heard, and we fully believe this time it is correct. Lilies are so uneven this year, more so than we have ever noticed; and very many bad ones are among them. Some men who are supposed to be well informed predict a very poor lot of Easter stock in general for this season. Why, we cannot see, as we certainly have had splendid weather almost all the time.

Notes.

The regular club meeting has been postponed from the 12th to the 19th. This was done on account of the regular meeting day coming so near Easter, it was feared the attendance would be so small that there would be no quorum. All local members please note.

The Shaw banquet occurred on the evening of the 31st. Besides the trustees many prominent citizens and distinguished educators from all parts of the country were present. Mr. Henry Hitchcock, one of St. Louis' most prominent attorneys, was the presiding officer.

C. C. S.

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Tobacco Dust
"The Black Stuff" 2 cts per pound 50 to 1000 pounds
The Best for florists
Yes my specialty, I have made the wants in this line by the growers a study and put on the grade that kills; if it fails your money back
H. A. STOOTHOFF 116 West St N.Y.City

Mention the Florists' Exchange when writing.

Tobacco Whale Oil Soap "Aphia" Brand Try it for scale "red spider" "green" "mealybug" Is Good Seedsmen keep it 50 lb. cans H. A. STOOTHOFF 116 West St N.Y.City



Chicago.—A meeting of the Bowling Club was held March 30 and some new life instilled into it. Alex. Henderson resigned as secretary and George Asmus was elected in his stead. A series of eight games are to be played, from which the six men to be pitted against the St. Louis team will be determined on. More regular practice will also be indulged in looking to a creditable team for New York in August. The following were the scores played on a new alley on Randolph street, March 31:

	1	2
Asmus	124	137
Winterson	108	147
Balluff	187	127
G. Stollery	124	121
F. Stollery	139	131
C. Hughes	119	127
Kreitling	95	111
Degnan	151	130
Hauswirth	146	136

New York.—There are but three teams who have up-to-date signified their intention of entering into the bowling tournament to be held in this city during the convention of the S. A. F., in August, these are Philadelphia, Flatbush and Buffalo. Clubs intending to compete should notify Secretary Chas. Schenck, 28th street, as early as possible. Monday evening last the undernoted scores were made:

	1	2	3
Traendly	213	127	121
Siebrecht	162	161	127
T. Laog	133	228	163
J. Lang	77	131	89
Burns	141	166	151
Hafoer	166	144	155
Moody	115	121	119
J. H. Taylor	120	110	90

St. Louis.—Our bowlers have decided on April 22 for the trip to Chicago, in response to the invitation from there for a friendly match. About ten have signified their intention of going and most likely a party of 15 will be on hand at roll call. F. J. Fillmore sent in his resignation as a member of the Bowling Club, which the latter refused to accept. The following is the score for April 2:

	1	2	3	4	5	6
C. A. Keuhn	151	142	162	176	136	179
J. J. Beneke	138	131	181	151	161	146
J. Kunz	144	149	132	..	..	..
F. C. Weber	149	140	147	129	..	..
John Young	142	116	134	117	..	..

Flatbush.—The following scores were put up April 5. Schmutz's 228 called forth loud cheers from those present.

L Schmutz	228	151
E. Dailledouze	138	146
P. Dailledouze	116	156
H. Dailledouze	118	125
F. Theonis	105	129
C. Wocker	97	98
C. Woerner	120	155
J. Riley	125	160
J. Raynor	126	137
Paper Zeller	101	70
G. Kuntz	124	105
A. Dressler	107	132
P. Wocker	113	124

Pittsburg.

Market News.

The past week's trade was somewhat slower than usual, and stock was abundant enough for all demands. Prices hold up well; good roses as high as 15c., and even better; carnations from $1.50 up, and lilies from 10c. to 12c. Carnations are not any too abundant, and will be short for Easter, as crops are about off with our growers. Lilies are more plentiful this week than was expected, but will likely be scarcer next week. Prices will hardly go much over 15c. for good stock. Harrisii are poor generally, but some good longiflorum are in the market Tulips and hyacinths are coming in good, and are in better demand now. Valley is also choice, but goes slow. Smilax seems scarce.

Potted plants are plentiful and will likely sell well. Hydrangeas are good, but azaleas generally not so good as last season. The same can be said of Dutch hyacinths.

Jottings.

C. B. Knickman, representing Bobbink & Atkins, of Rutherford, N. J., spent several days in the city.

The weather is still Wintry-like—snow on the ground April 4 and thermometer below 32 degrees.

The meeting of the Florists' Club for April will likely be postponed until after Easter. E. C. R.

Buffalo.

Trade News.

More store openings recently gave a bit of impetus to the loaning of palms for decorating; and in some cases purchases of blooms in quantity for giving away to callers were made, with also a brisk demand in some quarters recently for funeral flowers. The annually known Lenten plethora of bloom in beyond salable quantity has not appeared here this year. Carnations have not come in at all numerous for some time; other blooms generally are ample and of good quality.

An attempt to mobilize a club meeting on Thursday of last week failed for lack of a quorum.

The weather now shows up fair and favorable for Easter stock, in which interest is now becoming rife. A hurried call at several nearby places in town was made on Tuesday.

At Rebstock's growing houses, on Elmwood avenue, an attraction were several good-sized specimen Acacia armata that ought to command fancy prices. Lilies are nicely timed, but disensed ones are unprofitably noticeable. A large lot of 7-inch pot Rambler roses is here, some fairly grown, but blind growths freely seen, especially in the yellow variety. A bench of Brunner and other hybrids running into hundreds look profitably pleasing. A good number of wreaths are seen. A fair lot of hydrangeas and azaleas in good sizes.

Chas. D. Zimmerman's new place on Norwood avenue includes a showing of a good batch of Harrisii, but sunny weather is needed to bring some on in time. His azaleas are fine and well timed. Rambler roses are inclined to be late.

Wm. Scott complains of diseased longiflorum lilies. His stock generally is well timed, with the misses scarcely worth mentioning. Some American Beauty in pots, in bloom, with from six to eight blooms and buds to each will surely be in demand. A bench of Dutch hyacinths in pots, in their uniformity might be likened to an army from Lliput. Shapely genistas vie with azaleas in their good timing and opposite colors. Not so showy is Giant mignonette in pans, which esthetic buyers prize, while a narrow shelf, close to the glass, is occupied by some hundred of fruiting strawberries in 4-inch pots. A greenhouse Easter novelty to us these are, and with interest we shall await their reception by flower buyers. We are sure we never before saw so fine a strain of pansies forced, which Mr. Scott informs us came from somewhere in Massachusetts.

Fair quantities of bulb stock are seen at various places, but not nearly so much as in years gone by. Unless our present estimate is much awry, good weather permitting at Easter time, all the locally grown stock will find ready sales.

Charles Jansen has started in a modest way, with a 60-foot house given over mostly to bedding stock. It is located at Broadway, corner of Green street.

Mr. C. Smith, of Smith & Fetters, visited friends in town last week.

J. McHutchinson, of New York, called this week. VIDI.

Grand Rapids.

We have been having beautiful sunshiny weather of late—just what we needed to bring the flowers and plants into bloom, yet with all the bright weather and the profusion of bloom the Lenten demand continues so great there is actually a carnation famine here. Few, if any, shipping orders are filled complete. When all efforts to secure a few carnations round town at wholesale have failed recourse has been had to buying a few dozen each at several establishments to help out an order, but none could be had even then. Roses are in good supply; quality fine. Price, $1.50 per dozen. The violet houses are a sight to behold, being a perfect sheet of purple. Longiflorum are in just right and will be fine.

Much of the Dutch bulb stock is very poor this year. It is noticed that the best bulbs were ordered from those bulb men who grow their own bulbs. This may be a pointer for the wise.

Aside from carnations the outlook for an Easter supply is good, and we shall feel disappointed if we don't break all previous records.

Hubert Elffers, Holland bulb agent, is in town. G. F. C.

Cleveland.

Trade Notes.

There is little, if any, change in trade conditions since last writing; likewise little change in weather conditions. Trade is quite brisk despite unfavorable weather. Numerous store decorations have furnished a large amount of work within the past two weeks, and these, with funeral orders, have provided an outlet for most all of the cut flower stock offered. Prices have held up remarkably well all through Lent, and at the present time do not vary much from former quotations. The dull weather of the past several weeks has curtailed the supply of flowers, and while there is no noticeable scarcity, at this writing, good prices obtain. From present indications a few days of bright weather will bring out an abundance of choice stock for Easter.

The flower stand in the Arcade, operated for several season past by Frederick Schneider, has recently been abandoned.

A. T. Boddington, of Cincas & Boddington, New York, was a visitor this week. G. A. T.

New Canaan, Conn.—Stephen Hoyt's Sons have received a shipment of 74,730 trees from France. They will be set out at the nursery grounds, which cover 5,000 acres.

ROOTED CUTTINGS COLEUS, Verschaffeltii, Golden Queen, assorted kinds. Usual prices.
L. H. FOSTER, 45 KING STREET, Dorchester Mass.
Mention the Florists' Exchange when writing.

10,000 Manetti Stock.
$8.00 per 1000.
Right size for grafting.
J. A. SHELLEM, 17th & Tasker Sts., Phila.
Mention the Florists' Exchange when writing.

CLEARY & CO.,
Horticultural Auctioneers,
Sales Every Tuesday and Friday,
60 Vesey St., NEW YORK.
Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS.
Wm. Scott.....per 1000, $10 00
Maude Adams ...per 100, 3 50
☞ Unrooted at half price.
☞ Write for prices on large lots.
CLOTHILDE SOUPERT ROSES,
3 years, field-grown, $8.00 per 100.
CHARLES LENKER, Freeport, L. I.
Mention the Florists' Exchange when writing.

Wm. Scott Carnation
Cuttings are going fast, every first order sent out has batched another, so do not delay but order at once, as they will not last long, at $6.00 per 1000.
Mrs. Joost, Melba, $2.50 per 100; $20.00 per 1000.
Fiora Hill, Daybreak, $1.25 per 100; $10 per 1000.
General Maceo, $4.00 per 100; $35.00 per 1000.
Victor, Mayor Pingree, $1 per 100; $9 per 1000.
Jubilee, $1.50 per 100; $12.00 per 1000.
10,000 PETUNIA CUTTINGS Well-rooted, double, of the best selected vars., $1.50 per 100; $12 per 1000. Cash with order.
CARL E. TAUBE, Trenton, N. J.
MERCER FLORAL CO.
Mention the Florists' Exchange when writing.

CARNATIONS
Cuttings from Soil.
700 GENESEE, 200 SCOTT,
300 EVELINA,
65 cents per 100.
All others sold.
J. G. PFORDT'S SONS, Albany, N.Y.
899 Broadway.
Mention the Florists' Exchange when writing.

NEW CROP WINTER-BLOOMING
Carnation Seeds!
Hand Fertilized, 25c. per 100. Cash with order.
AMERICAN ROSE CO., Washington, D.C.
Mention the Florists' Exchange when writing.

CARNATIONS
From 2¼ inch Pots.

	100	1000
Lizzie McGowan	$1.50	$9.00
Mrs. James Dean	2.00	
John Young	2.00	
Triumph	2.00	
Jack Frost	2.00	
Wm. Scott	2.00	15.00
Elsie Akehurst	5.00	40.00

Cash with order, please.
C. AKEHURST & SON, White Marsh, Md.
Mention the Florists' Exchange when writing.

New Carnation-ALMA
The most productive Carnation we have. Rose Pink, new, $5.00 per 100; $40.00 per 1000.
Daybreak, $2.00 per 100; $15.00 per 1000.
Wm. Scott, Genesee, Evelina, Portia and Bon Ton, $1.50 per 100; $10.00 per 1000.
Victor, $1.50 per 100; $12.00 per 1000.
F. Hill, $1.75 per 100; $15.00 per 1000.
White Cloud, $2.50 per 100; $20 per 1000.
Jubilee, $2.00 per 100; $15.00 per 1000.
BABY PRIMROSE 3 in., strong, per doz., $1.50; per 100, $10.00.
C. MERKEL & SON, Mentor, Ohio
Mention the Florists' Exchange when writing.

CARNATIONS.
Extra fine strong stock, from soil.
Daybreak . . . . . $1.50 a 100.
" in soil, just from sand, $1.00 a 100; $9.00 a 1000,
McGowan, strong, from soil, $1.00 a 100; $9.00 a 1000.
Also Freedom, Scott and Mangold.
CHRYSANTHEMUMS
Leading kinds, rooted cuttings, 2½ inch pots. ☞ WRITE FOR PRICES.
Any above in exchange for Scented Geraniums, Geranium B. Poitevine, Roses, Asparagus.
Weir Street Greenhouses, Taunton, Mass.
Mention the Florists' Exchange when writing.

Last Call for Carnations
10,000 R. C.; let us know your wants.
10,000 Unrooted Carnations as follows:

	Per 100		Per 100
2000 G. H. Crane	$2.00	400 White Cloud	$1.00
1500 Mrs. G. Bradt	1.25	1000 Flora Hill	.50
700 Gold Nugget	1.00	1600 America	1.50
1300 Mary Wood	1.50	1000 Glacier	1.50
1000 Melba			1.25

500 Yellow Baby Primrose, in bloom, 2½ in. 5.00
500 De Koo Mitting Geranium, new, 2¼ in. 6.00
1000 Obconica Primula, in bloom, 2¼ in. 2 50
1000 " " 5 in. 8.00
1000 Chinese Primula, 2¼ in. 1.00
7000 Named Geraniums, our selection, 2¼ in. 2.00
4000 Double Petunias, mixed, 2¼ in. 2.00
2000 Petunias, single, Giant of California, 2¼ in. 2.00
3000 Mme. Sallerul Geranium, 2¼ in. 1.50
30,000 Coleus, our selection, 2¼ in. 1.50
10,000 " mixed, 2¼ in. 1.25
10,000 Large Pansy Plants, in bud 1.00
1000 Red and Yellow Iresines, 2¼ in. 1.50
10,000 Alternanthera, red, and large-leaved, 2¼ in. 1.50
5000 Forget-Me-Not, 2½ in. 1.50
1500 Lobelia, Crystal Palace Gem, 2¼ in. 1.50
1000 California Moss, 2¼ in. 1.50
1000 Mesembryanthemum Erectum, 2¼ in. 1.50

BEGONIAS.
2000 Red Vernon, bedder, 2¼ in. 1 50
2000 Pink Erfordii, bedder, 2¼ in. 1.50
2000 Sandersoni, bedder, 2¼ in. 1.50
5000 Our selection, named, 2¼ in. 1.50

Let us know your wants on FERNS, 5 in. 10.00
THE MORRIS FLORAL CO., Morris, Ill.
Mention the Florists' Exchange when writing.

SEEDLINGS

Grown from the best seed that money can buy.

Fine plants.	100	1000
Verbenas, extra Selected Mammoth	$0.30	$2.50
Phlox Drummondi nana compacta	.30	2.50
Asters, all varieties	.30	2.50
Mignonette, Golden Machet	.30	2.50
Candytuft, Empress	.25	2.00
Sweet Alyssum, Little Gem	.25	2.00

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

HELIOTROPE.

2 inch pots, $2.00 per 100.

Cannas, Mad. Crozy, 4 in. pots, $5.00 per 100. Cannas, seedlings of Mad. Crozy, 4 in., $5.00 per 100. 3 in., $3.00 per 100.

Baby Primrose, from flats, in bloom, $1.50 per 100.

Smilax plants, from flats, $1.00 per 100.

'Mums, Merry Monarch and Bonnaffon, 2 in., $2.0 per 100. Cash with order.

WM. KEIR, Pikesville, Md.

Mention the Florists' Exchange when writing.

The Grand New Double Petunia

PINK QUEEN

The finest ever introduced, stocky grower, flowers monstrous in size, very double, finely fringed, and having a strong sweet fragrance. Color, a taking shade of light pink, being a solid shade, like the Rose Mme. Caroline Testout, a great advance over all other varieties. As fine in its way as Gloire de Lorraine among Begonias. Will surely be in every florist's stock. Sells quickly at double the price of old sorts. A splendid stock ready to send out.

Get in on the ground floor, or you will be sorry. There will be money in this for you the second season.

Strong, 3½ inch pot plants, 35c. each; $4.00 per doz.

Cash from unknown parties. Correspondence invited.

ROCKLAND GREENHOUSES, Rockland, Mass.

W. B. ARNOLD, Mgr.

Mention the Florists' Exchange when writing.

CANNAS

Our selection, started, ready for potting:

Mme. Crozy, Chas. Henderson, Egandale, Florence Vaughan, J. C. Vaughan, Queen Charlotte and ten other good varieties.

MAURANDYA VINE, rosea and alba, just what you want for baskets and vases, 3 cts.

ALTERNANTHERAS, R. Nana, N. Nana, P. Major, 2½ cts.; R. C., 60 cts. per 100; $5.00 per 1000.

GERANIUMS, Sallerol, Mrs. Taylor, Walnut and Rose, 2½ cts.

VINCA MAJOR, white leaf, 2½ in., 2½ cts.

BEGONIAS, in variety, 2½ cts.

TRAILING LANTANA, 2½ cts.

GNAPHALIUM, fine for baskets, etc., 2½ cts.

ACHYRANTHES, 2½ cts.

COLEUS, Beckwith Gem, Queen of West and other varieties, 2 cts.; R. C., 75 cts. per 100.

TRADESCANTIA Multicolor and **GIANT SWEET ALYSSUM,** 2 cts.; R. C., 75 cts. a 100.

CASH, PLEASE.

A. J. BALDWIN, Newark, Ohio.

Mention the Florists' Exchange when writing.

SURPLUS STOCK OF GOOD VALUE.

Asparagus Spengeri. 6 in., 35c., 10 in. baskets, $1.00.

Asparagus Plumosus Nanus. 3 in., $8.00 per 100.

Ipomœa, blue, strong. 2½ in., $3.00 per 100.

Alyssum, double white, strong. 2½ in., $3.00 per 100. Cuttings, 60c. per 100.

Thrianx, variegated, strong. 2½ in., $3.00 per 100.

Violets, California, strong, 3½ in., $3.00 per 100. Runners, $1.00 per 100.

Transplanted Plants, $1 50 per 100 of Stocks, Dbl. White, Mignonette, true Machet, Hollyhock, Dbl. White, Jeruselem Cherry, Ardesia Crenulata.

Carnation Cuttings, strictly clean. Daybreak, $2.00 per 100; Scott, $1.50 per 100; Sandusky, $2.00 per 100; Maude Adams, $2 00 per 100; St. Clair, red, moocy maker, $2.50 per 100

A. G. FEHR, Belleville, Ill.

Mention the Florists' Exchange when writing.

COLEUS.

Crimson Verschaffeltii and Golden Queen, $7.00 per 1000, 75c. per 100; 2 in. pots, $1.50 per 100. Coleus in variety, $5.00 per 1000, 60 cts. per 100; 1¾ in. pots, $1.25 per 100.

AGERATUM, Blue and White, 75c. per 100; 1¾ in. pots, $1.25 per 100. Princess Pauline, $1.00 per 100 1¾ in. pots, $1.50 per 100.

GIANT ALYSSUM, $1.00 per 100.

SALVIA, Splendens and Bedman, $1.25 per 100; 2 in. pots, $1.75 per 100.

HELIOTROPE, 6 vars., named, $1.00 per 100; 1¾ in. pots, $1.50 per 100.

CUPHEA (Cigar Plant), $1.00 per 100.

FUCHSIAS, $1.50 per 100; 2½ in. pots, $2.50 per 100.

FEVERFEW, $1.50 per 100; $12.00 per 1000; 2 in. pots, $2.00 per 100.

VINCAS, $1.25 per 100; $10.00 per 1000. 4 in. pot, $8.00 per 100; $70 per 1000. Fine plants.

The above are rooted cuttings, except when noted. Cash must accompany all orders.

J. E. FELTHOUSEN, Schenectady, N.Y.

Mention the Florists' Exchange when writing.

300,000 VERBENAS

60 finest named varieties, including our new **MAMMOTH WHITE MRS. McKINLEY.** The finest white Verbena grown.

Perfectly healthy. Free from rust.

Rooted cuttings, 60 cts. per 100; $5.00 per 1000. Plants, $2 50 per 100; $20.00 per 1000.

Our list is the choice from millions of seedlings.

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

The Following Plants

Out of 2½ in. pots, ready about May 1,

$2.50 per 100; $20.00 per 1000.

400 Salvia Splendens,	500 Lobelia (Crystal Palace),
500 Alyssum (Little Gem),	500 Kenilworth Ivy,
400 Ten-Weeks Stock,	800 Petunia (single),
500 Centaurea,	400 Myosotis.
500 Maurandya.	And other plants. CASH.

B. F. MUSCHERT, - - Penn Valley, Pa.

Mention the Florists' Exchange when writing.

ASPIDISTRA

Nice pot plants, 8 to 10 leaves, 5 cts. per leaf.

Carnations, John Young, New York, Eldorado, $1.50; G. H. Crane, $6.00; White Cloud, $4.00; Mrs. Jas. Dean, $3.00 per 100.

Unrooted John Young and New York, $6.00 per 1000.

Echeveria Secunda Glauca, young stock to give good plants till spring, 50c. per 1 0. Cash, please.

WILLIAM STUPPE, Hollis, L.I., N.Y.

Mention the Florists' Exchange when writing.

WALTER MOLATSCH

New Early Yellow Chrysanthemum.

THREE CERTIFICATES A. O. S.

Price, 50c. each; $4.00 per doz.; $25.00 per 100.

For Sale by

DAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y.

AND

H. A. MOLATSCH, - - - Brooklyn, N. Y.

68th St., bet. 8th and 9th Aves.

Mention the Florists' Exchange when writing

Fine Stocky Plants

	Per 100
ALTERNANTHERAS, yellow, $1.75; red	$2 00
OXALIS FLORIBUNDA, fine for vases	2 00
AGERATUM, 3 varieties	2 00
DOUBLE PETUNIAS, 3 in. pots	3 75
COLEUS, 2x2½ in. pots, good assortment	2 00
GERANIUMS 2½ in. pots, my selection	3 00
" 3 " " "	4 00
CENTAUREA GYMNOCARPA, 2 in. pots	2 00
VERBENAS, 2x2½ in. pots, good assortment	2 00
VINCA VINES, 2 vars., fine for vases	3 00
ASPARAGUS SPRENGERI, May 1st	4 00
SMILAX, 2 in. pots, May 1st, per 1000, $3.00	1 00
CARNATIONS, 5 vars., 2 in. pots	3 00
PANSY PLANTS, from cold frame	2 00

CASH, PLEASE.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Mention the Florists' Exchange when writing.

Hot-Bed Sash

Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.

Quick Shipments.

We have in stock and can ship immediately:

3	ft. x 6 ft., 3 rows 10 in. glass.	
3 ft. 3 in. x 6 ft., 4	"	8 in. "
4	ft. x 6 ft., 5	" 8 in. "

Not glazed, 1¾ in. thick.

Delivered Prices

Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.

LOCKLAND LUMBER CO., Lockland, Ohio.

Mention the Florists' Exchange when writing

MAMMOTH VERBENAS Mammoth Verbenas, large rooted plants, 60c. per 100; $4.50 per 1000. **Cyclamen** 3 in., $5.00 per 100. **White Stocks** for Easter, 2 in., $1.50 a 100 Rooted cuttings, double and single **Petunia,** $1.00 per 100 **Dwarf Lobelia,** $1.00 per 100 **SAMUEL WILTTON, 15-17 Gray Ave., Utica, N. Y.**

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Bessie Burton	Mrs. John J. Glessner
Hannaflon	Modesto
Cullingsfordii	Mrs. S. T. Murdock
Glory of Pacific	Mrs. O. P. Bassett
Ivory	Nivens
J. H. Woodford	Rose Owen
Minerva	The Queen
Mme. F. Bergmann	Mrs. J. G. Whilldin
	Miss Minnie Wanamaker.

And others from 2½ in. pots, $2.00 per 100, $15.00 per 1000

HARDY POMPON CHRYSANTHEMUMS

10 to 10 named varieties, 2½ in. pots, $2.00 per 100; $15.00 per 1000. 10 named varieties rooted cuttings, $1.00 per 100; $7.50 per 1000.

CARNATIONS.

Bon Ton	McGowan	Portia
New York	Wm. Scott	

2½ in. pots, $2.00 per 100; $15.00 per 1000.

Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

GREEN AND GOLD

MRS. SHEPHERD'S NEW FANCY PERENNIAL CHRYSANTHEMUM.

Entirely New and Distinct. A Lovely Variety, with **Foliage Beautifully Variegated Clear Yellow and Light Green, the Yellow Predominating.** Handsome without flowers, but when adorned with its Large, Double, Creamy White, Fluffy Blossoms it is **Beautiful Beyond Description.** It is a Vigorous Grower. **Comes True.** Does equally well bedded out or under glass. **A GRAND NOVELTY.**

Having a fine stock I offer this rare plant at 20c. each; $2 00 per doz.; $10.00 per 100.

A SPLENDID NOVELTY FOR CATALOGUES.

MRS. THEODOSIA B. SHEPHERD, Ventura-by-the-Sea, Cal.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS!

FROM TWO INCH POTS.

	Per 100		Per 100
MRS. W. C. EGAN	$3 00	GLORIOSUM	$3 00
MRS. S. T. MURDOCK	3 00	GEO S. KALB	3 00
IVORY	3 00	MODESTO	3 00
MRS. H. ROBINSON	3 00	MRS. H. WEEKS	3 00
BLACK HAWK	3 00	MRS. J. JONES	3 00
MARION HENDERSON	3 00	GOLDEN WEDDING	4 00
GOLDEN WONDER	3 00	MAUD DEAN	4 00
VIVIAND-MOREL	3 00	MERRY CHRISTMAS	4 00
MME. F. BERGMAN	3 00	WESTERN KING	4 00
MRS. E. G. HILL	3 00	PHILADELPHIA	4 00

Those ordering 250 plants may deduct 50 cts. per 100 from the above prices. Send us a list of your wants, stating the number desired of each color, and we will submit a select list that will surely please.

For the **Novelties of the Season** and best of **Last Year's Introductions,** see our advertisement in last issue of this paper.

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

Chicago.

State of Trade.

During the past week trade held up well. When one makes the rounds after the early morning hours, and finds, practically, all grades of stock well cleared off, there is no mistake about business being lively. We are now close enough to Easter to know for a certainty that the good tidings will continue at least until after that important day.

This will indeed make the Winter of 1899-1900 a record breaker, in that there has been substantially no serious glut of flowers at one time the whole Winter through; that roses and carnations have sold well all Winter; that quite often there has been less than the actual demands called for, and even yet carnations are short of demand, especially in white.

The fact is, prices keep so good and Easter is so late that it is not expected there will be any great advance in values over what we have been accustomed to.

Dealers are already giving out expected prices as follows: For extra long Beauty, per dozen, $5 to $6; mediums, $3 to $4; No. 1, $1.50 to $2; Bride, Bridesmaid and Meteor, per 100, $6 to $10; Golden Gate and La France, $8 to $10; Perle, $4 to $5; carnations, standards, $2 to $3; fancies, $4 to $5; lilies, $10 to $12, a few extras go to $15; callas, $10 to $12 (both these are selling well now at figures quoted); tulips, $3 to $5; Romans, $2 to $3; Dutch hyacinths, $4 to $6; narcissus, $2 to $3; valley, $3 to $5; smilax, $12 to $15; violets, $1 to $1.25.

Single daffodils from the South are plentiful and hard to clear at $1. Some swainsona is in the market.

Shipping to outside points is still a very important part of the trade, which tends to show that business is good throughout the West.

In the matter of bulbous stock, while it is expected there will be a fair supply, there is no such quantity available as in other years.

J. Schoepfle, 884 Blucher street, has a notable lot of 200 Harrisii lilies just right for Easter; that shows they can yet be done well. They are in 6-inch pots; stand from 5 to 6 feet tall, well clothed with foliage from the pot up, crowned with noble heads of from 12 to 14 flowers on each plant. He tells me he paid a local dealer $18 per 100 for the bulbs last Fall, size 9 to 11, and says no more cheap bulbs for him.

He has also some scarlet and fancy geraniums well in flower for Easter, and plants of smaller size to take their place on the benches when the others are sold.

He is well supplied with seasonable bulbous stock in capital shape.

Round About Town.

George Reinberg is now cutting some very fine La France and Bride roses.

H. S. Harmon, representing E. H. Hunt, is out on a Western trip.

Mr. Dickenson reports Spring business opening in fine shape.

McKellar & Winterson have a heavy stock of ribbon for the Easter trade.

P. J. Hauswirth will move from his old cramped quarters in the Auditorium, to a fine store on Michigan avenue in the Annex.

Peter Reinberg is receiving heavy orders from all over the country for rooted cuttings of roses and carnations.

J. S. Wilson, of Vaughan's Greenhouses, is delighted over the birth of a young son the past week. Mother and boy are doing well.

H. B. Beatty and wife, of Oil City, Pa., and J. C. Vaughan and wife left the past week for a trip to New Orleans.

The John C. Moninger Co. has increased its capital stock from $10,000 to $25,000 and amended its charter, to qualify the company to build iron as well as cypress greenhouses.

It is reported that Chas. H. Fisk will again enter the wholesale contingent after Easter, in association with A. L. Randall, with whom he was formerly in business.

Visitors the past week were Mr. Van Akin, Coldwater, Mich.; Geo. M. Geraghty, formerly of Denver, and S. S. Skidelsky, of Philadelphia.

O. P. Bassett and wife are at West Baden, Ind.

A. L. Vaughan took a flying trip home, but is gone again, and reports trade very flourishing. Ess.

GERANIUMS.

From 2½ inch pots, fine assortment, double and single, pink, white, red and salmon, **$2.50 per 100.**
Gloire de France, Rev. Atkinson, Mme. Bruant, and Camille's Favorite, 4 cts. each.
Golden Dawn, 10 cts. each.

FERNS.

NEPHROLEPIS CORDATA COMPACTA, 2½ inch, 4 cts.
CYRTOMIUM FALCATUM, 2½ inch, 3 cts.
CANNA, Chas. Henderson **Dormant Roots, $2.00 per 100.**

Mention paper.

ALTERNANTHERA.

Rooted cuttings, August struck. **Paronychioides Major** and **Aurea Nana, 60 cts. per 100; $5.00 per 1000, prepaid.**

CASH WITH ORDER.

G. W. WEATHERBY, = Chillicothe, Mo.

COLEUS.

Ver. and G. Bedder $6.00, Select Fancy $5.00 per 1000. **New,** large-leaved varieties, gorgeous colors. **Coronn,** a sport from G. Bedder, extra fine, scarlet with broad gold edge, $1.00 per 100. Following:

TRANSPLANTED. Alternantherа, P. Major, A. Nana, Pittsburg and Ama. bilis, $6.50 per 1000 **Begonia Vernon** and **Erfordii, Heliotropes, Snge** and Sgl. **Petunia,** $1.20 per 100. Fine **Verbenn,** 60c. per 100. Terms cash. Get trade list.

DANIEL K. HERR, Lancaster, Pa.
Mention the Florists' Exchange when writing.

GERANIUMS

AMERICA.

50c. each, $5.00 per doz. For sale also by Henry A. Dreer, Cottage Gardens, Henry F. Michell, J. C. Vaughan.

MARS.

2¼ inch, $5.00 per 100.

DRYDEN.

New, finest bedder, 2½ inch, $10.00 per 100.

Set of 15 Novelties, 1899, including one America, $2.00 per set.

Cash, Please.

H. EICHHOLZ, Florist,

WAYNESBORO, PA.

Mention the Florists' Exchange when writing.

Choice Plants! Low Prices!

All following are in first-rate condition.

CLEMATIS PANICULATA, strong, in flats, **100 Mailed, $1.25.**
BEGONIA VERNON, 8 sorts, mixed, in flats, 100 Mailed, $1.25.
PEPEROMIA ARGYREA and **ARIFOLIA,** 100 Mailed, $1.25.
LYGODIUM SCANDENS, climbing fern, 2 inch pots, per 100, $3.00.
PTERIS TREMULA, 2 inch pots, per 100, $3 00.
PTERIS DEWEYANA, new, 1899, 2 inch pots, per dozen, $2.00.
NEPHROLEPIS WASHINGTONIENSIS, new, 2 inch pots, 6 mailed, $1.25.
NEPHROLEPIS PHILLIPENSE, 3 inch pots, strong, per 100, $4 00.
GENISTA RACEMOSA, 5 inch, full bushes, full of flower spikes, per dozen, $2.00.
CYPERUS ALTERNIFOLIUS, 4 inch, per 100, $5.00. Carefully Packed. Cash with Order.

JOHN H. LEY, Good Hope, Washington, D.C.
Mention the Florists' Exchange when writing.

CYCLAMEN.

PERSICUM SPLENDENS GIGANTEUM (No finer strain on the market.) Now ready to ship, a splendid stock of plants in four separate colors. August seedlings, from 2½ in. pots, $5.00 per 100; $40.00 per 1000. October seedlings, from flats, $3.50 per 100; $30.00 per 1000.

CHINESE PRIMROSES (Fringed foliage), single and double, from 2½ in. pots, $2.00 per 100; from 3 in. pots, $4.00 per 100.

CANNAS (Started from sand bed), Florence Vaughan, Queen Charlotte, Alphonse Bouvier, Austria, assorted, $3.50 per 100; $30.00 per 1000.

CARNATIONS Strong plants from soil, Daybreak, Wm. Scott, McGowan, $1.75 per 100; $15.00 per 1000. Frances Joost, Mary Wood, $3 50 per 100; $30.00 a 1000.

All the above warranted A No. 1 Stock.

PAUL MADER, East Stroudsburg, Pa.
Mention the Florists' Exchange when writing.

CANNAS.

Souv. de A. Cruzy, Burbank, Italia, Austria, out of 3 in pots; per 100, $6 00. Mixed varieties, standard sorts, 3 in.; per 100, $5 00.

ROSES, Bride and Bridesmaid, 2 in., clean stock, per 100, $3 00

CHRYSANTHEMUMS, 2 inch. Ivory, Golden Fleece, Independence, Canning, Mizpah, Glory of Pacific, Helen Bloodgood, G. Bramhall, at $2.00 per 100.

Alternantheras. P. Major and A. Nana, 100 Rooted Cuttings; 1000, $5.00	$0.60
Cobæa Scandens, 2½ in.	2.00
Salvia Splendens, 2 in.	2.00
Rudbeckia, Golden Glow, 2½ in.	3.00
Abutilon, Souv. de Bonn, 3 in.	5.00
Cyperus Alternifolius, 4 in	6.00
Fuchsia Jupiter, 3 in.	5.00
Begonia, Erfordi and **A. Guttata,** 2in.	2.50
Cigar Plant, 2 in.	2.00
Feverfew, Little Gem, 2 in.	2.50
Passion Vine, purple, 2½ in.	3.00
Plica, 2 in.	2.00
Dusty Miller (Gym.), 2 in.	2.00

Send for list of Sweet Pea seed.
Satisfaction Guaranteed. CASH WITH ORDER.

GEO. L. MILLER, Newark, Ohio.
Mention the Florists' Exchange when writing.

25,000 COLEUS CUTTINGS

For Further Particulars, see our List, Page 320, March 31, 1900.

Write us your wants, we can supply them.

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

XXX SEEDS

CHINESE PRIMROSE, finest large fringed, single and double, mixed, 500 seeds, $1.00.
PRIMULA OBCONICA, improved bright rose color, very finest of all Obconicas, 1000 seeds, 50 cts.
CINERARIA, large-flower ng, dwarf, very showy, choicest mixed, 1000 seeds, 50 cts.
PANSY, Finest Giants, the very best varieties mixed, 3500 seeds, $1.00; ½ pkt, 50 cts.

JOHN F. RUPP, THE HOME OF PRIMROSES. **Shiremanstown, Pa.**

Mention the Florists' Exchange when writing.

COLEUS

	100	1000
Crimson Verschaffeltii, Golden Bedder and Golden Queen	$0.75	$6.00
In variety	.60	5.00
Agerntum, blue and white	.60	
" Princess Pauline	.75	
Giant Sweet Alyssum	.60	
Double Petunias, 30 varieties	1.25	
Snlvin Splendens and **Bedmun**	1.00	
Heliotropes, 12 varieties	1.00	
" " 2 inch pots	2 00	
Alternantherns, P. Major and A. Nana, from soil	.60	5 00

Special price on large orders. Plants by the 100, by mail, prepaid. The above are rooted cuttings. Cash with order.

C. A. HARRIS & CO., DELANSON, N Y
Mention the Florists' Exchange when writing.

HARDY PINKS.

Rooted Cuttings. Now Ready. 7 Sorts, as follows: HER MAJESTY, Giant White. ALBA FIMBRIATA, White, frinped. BRUNETTE, Pink, with maroon markings. EARL OF CARLISLE, Variegated, maroon, rose and white. GERTRUDE, White, maroon markings. LAURA WILMER, Pink, with derker shadings, fringed. MAY, beautiful flesh-pink, very fragrant.

$1 per 100, postpaid; $8 per 1000, by express.

Flowering Begonias.

25 sorts, Metallica, Argentea Guttata, Glaucophylla Scandens, the great hanging basket variety, Etc., $1.50 per 100, postpaid; $12.50 per 1000, by express.

Fuchsias New Batch of Single and Double Fuchsias, cuttings now ready, 25 best sorts, labeled, $1.25 per 100, postpaid; $10.00 per 1000.

Double Petunias Labeled, same price as Fuchsias.

Clematis Paniculata Transplanted, $2 00 per 100, postpaid.

Madeira Vine Roots Strong, plump tubers, 50 cts. per 100; $4.00 per 1000.

SATISFACTION GUARANTEED.

A. B. DAVIS & SON, Purcellville, Va.
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BEGONIA CALEDONIA

The White Lorraine.

We are now booking orders for Fall Delivery.

Plants from 3 1-2 in. Pots, $5.00 Each.

R. & J. FARQUHAR & CO.,

16 & 19 S. Market St., Boston, Mass.
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Must Have Room for Other Stock

Cinerarias, for Easter, in bud and bloom, 4 in. pots, $5 00 per 100; 5 in. pots, $1 per doz. **Begonias,** in variety, 2 in. pots, $2.00 per 100; 3 in. pots, $3 per 100. **Bedding Begonias,** Vernon, 2 in. pots, $2 per 100; 3 in. pots, $3 per 100. **Cyclamen,** in bloom, 4 in. pots, $1 per doz. **Alternantherа,** red and yellow, transplanted, 65c. per 100. **Coleus,** 60c. per 100. Satisfaction guaranteed. Low express rates. Sample, 10c.

J. S. BLOOM, Reigelsville, Pa.
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Rooted Cuttings

BY MAIL.

August Sowing: Cyclamen P. Giganteum, unexcelled strain, $2.00 per 100.
Salvia Splendens and **Bonfire,** $1.00 per 100; $8.00 per 1000. Pot plants, $1.50 per 100.
Heliotrope, $1.00 per 100; $8.00 per 1000. Pot plants, $1.50 per 100.
Germun Ivy and **Agerntum,** 75 cts. per 100.
Lnbelin, dwarf and trailing, $1.00 per 100.
Solanum Jas. Albn, $1.50 per 100.
Fuchsins, $1.00 per 100; from pots, $1.50 per 100.
Feverfew, Dwarf Gem, **Vinca Variegnta,** $1.00 per 100; from pots, $1.50 per 100.
Paris Daisy, Giant, $1.00 per 100; pot plants, $1.50 per 100.
Alyssum, Double Giant, $1.00 per 100.
Rudbeckin, Golden Glow, $3.00 per 100.
Forget-Me-Not, $1.50 per 100; 4 in., $5.00 per 100.
Pansies, large, transplanted, from cold frames, $5.00 per 1000; smaller plants, $2.50 per 1000.
Double Petunias, fine, fringed vars., $1.00 per 100.
Chrysanthemums, $1.00 per 100.
Dracæna Indivisa, 3 in. pots, $3.00 per 100; 4 in. pots, $5.00 per 100.
Double Stocks and **Early Asters,** 50 cts. per 100.
CARNATIONS—
Scott and McGowan, $1.00 per 100; $6.00 per 1000.
Daybreak, $1.25 per 100; $10.00 per 1000.
Flora Hill, $1.25 per 100.
Bon Ton, Joost, John Young, each $2.00 per 100.
Gomez, 60 cts. per doz.; $4.00 per 100.

Cash with order.

ORANGE FLORAL CO., West Orange, N. J.
Mention the Florists' Exchange when writing.

FANCY-LEAVED CALADIUMS

	10	100
Bulbs 1½ to 2½ inches in diameter, 15 to 25 varieties	$2.50	$20.00
Bulbs, 1 to 1¼ inches in diameter, 6 to 8 varieties	1.50	'12.00

The first size will make grand specimen plants or stock bulbs. No larger or finer are in the market.

LATANIAS and PHŒNIX.

Latanias, 4 inch pots, 2-3 characterized leaves	100	$20.00
Latanias, 5 inch pots, 4-5 characterized leaves		30.00
Phœnix Reclinata, Canariensis and Pumila, 15-18 inches		20.00
Phœnix Reclinata, Canariensis and Pumela, 20-24 inches		30.00

Not less than 50 at above rates.

GRAFTED ORANGES and LEMONS.

	10	100
10 to 15 best varieties, 4 inch pots, 10-12 inches high	$2.50	$20.00
10 to 15 best varieties, 4 inch pots, 15-18 inches high	3.50	30.00
10 to 15 best varieties, 4 inch pots, 20-24 inches high	6,00	
	100	1000
1,000 **Prairie Roses,** very strong	$7.00	
1,000 **Moss Roses,**	7.00	
2,000 **Hybrid Wichurniana** (Manda's),	5.00	$40.00

Quotations include packing.

P. J. BERCKMANS CO., Augusta, Ga.
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A FEW GOOD THINGS YOU WANT

Asparagus Plumosus, 3 in., $8.00 per 100. **Rex Begonia,** 3 in., mixed, $4.00 per 100. **Marguerite Daisy,** large flowering white, 2 in., $3 00 per 100. **Nephrolepis Cordata Compacta and Boston Fern,** 2 in., $4.00 a 100. **Kentia Belmoreana and Forsteriana,** 4 in., nice plants, 40c. each; 3 in., 20 cts. each.

GERANIUMS Sam Sloan, Bonnatt, Single Grant, Mrs. E. G. Hill and S. A. Nutt, 2 in., $3 00 per 100.

ENGLISH IVY and **Ampelopsis Veitchii,** 2 in., $3 00 per 100.

CAMPBELL VIOLETS, Rooted runners, 50 cts. per 100.

COLEUS, red and yellow, rooted cuttings, 60c. per 100.

CARNATIONS Rooted Cuttings: Daybreak, Iago, Flora Hill, $1.25 per 100. Scott, Fisher, Portia, McGowan, Alaska, Peachblow, 75c. per 100. *Cash with order.*

GEO. M. EMMANS, Newton, N. J.
Mention the Florists' Exchange when writing.

VERBENA KING.



Verbenas, rooted cuttings, 60c. per 100; $5.00 per 1000; $22.00 per 5000. 2 in. fine plants, $2 00 per 100; $18.00 per 1000.

Ageratum, Lady Isabell and Cope's Pet, 60c. per 100; $5.00 per 1000.

CARNATIONS.

	100	1000
Flora Hill	$1 50	$14.0
Morelln	1 50	14.00
My'r Pingree	1.50	14.00
Daybreak	1.50	14.00
McGowan	1.00	8.00
Wm. Scott	1.00	8.00

Daisies, California and Yellow Castle, $1.00 per 100; $9.00 per 1000; 2 inch, $2.00 per 100.

Heliotrope, 10 best varieties, $1.00 per 100; $8.00 per 1000. Fine 2 inch plants, $2.00 per 100; $18.00 per 1000.

Express paid on all rooted cuttings and satisfaction guaranteed; for that cash, please.

C. HUMFELD,

CLAY CENTRE, KANSAS.
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Unequaled Varieties VERBENAS Vigorous Stock.

	100	1000
Best Mammothe, strong pot plants	$3.00	$25.00
" " rooted cuttings	1.00	8.00
Older "	.75	6.00
" " strong pot plants	2.50	20.00

ROOTED CUTTINGS **CARNATIONS** VIGOROUS STOCK

General Maceo, G. H. Crane, $6.00 per 100 $50.00 per 1000.
America, Melba, Gen. Gomez, 75c. per doz.; $5.00 per 100; $40.00 per 1000.
White Cloud, Gold Nugget, $4.00 per 100; $30.00 per 1000.
Bon Ton, New York, Jubilee, Frances Joost, $2 50 per 100; $20.00 per 1000.
Flora Hill, Eldorado, Alaska, Jahn's Scarlet, Sen Shell, Victor, $2.00 per 100; $15.00 per 1000.
Alaska, Lizzie McGowan, Wm. Scott, Portia, $1.50 per 100; $12.00 per 1000.

Rooted CHRYSANTHEMUMS Cuttings

Send for list of 90 best Varieties.

ROSES.

Bridesmaid, Bon Silene, Catherine Mermet, Duchess of Albany, Golden Gate, Maid of Honor, Perle des Jardins, Pres. Carnot, Sunset, The Bride, from 2¼ in. pots, $3.00 per 100, $40.00 per 1000.

MISCELLANEOUS.

	100	1000
Anthemis, Double Golden Marguerite	$2.00	
Agerntum, blue and white	1.00	$8 00
" Princess Pauline	1.50	
Coleus, all leading sorts	1.00	8.00
Fuchsins, double and single	2.00	15.00
Feverfew	1.50	12.00
Heliotrope, light and dark	1.25	10.00
Impatiens Sultani	2.00	
Moon Vines, true	2.00	15.00
Salvias, Splendens and Bedman	1.25	10.00

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WOOD BROS., Fishkill, N. Y.
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Fine ROSES and CARNATIONS, Specialties.

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THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
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39 W. 28th STREET, NEW YORK.
Receiving Extra Quality AM. BEAUTIES and all other varieties of Roses.
TELEPHONE 902 MADISON SQUARE. CARNATIONS.

...Wholesale Prices of Cut Flowers...

Names and Varieties	New York April 6, 1900	Boston April 5 1900	Philadelphia April 5, 1900	Baltimore April 4, 1900	Buffalo .....
Roses: A. Beauty, fancy—special	15 00 to 25.00	20 00 to 25 00	40.00 to 50.00	.... to	.... to ....
" extra	12.00 to 15.00	12 50 to 16.00	25.00 to 35.00	.... to	.... to ....
" No. 1	8.00 to 10.00	8 00 to 12.50	15.00 to 25.00	.... to	.... to ....
" Culls & ordinary	1.00 to 2.00	4.00 to 8.00	5.00 to 15.00	.... to	.... to ....
Bride, 'Maid, fancy—spc'l	6.00 to 8.00	.. to 16.00	10.00 to 15.00	.... to	.... to ....
" extra	4.00 to 5.00	12.50 to 14.00	8.00 to 10.00	.... to 7.00	.... to ....
" No. 1	3.00 to 4.00	8.00 to 10.00	6.00 to 8.00	.... to 6.00	.... to ....
" No. 2	1.50 to 2.00	3.00 to 6.00	3.00 to 6.00	.... to 5.00	.... to ....
K. A. Victoria	.... to	.... to	4.00 to 8.00	.... to	.... to ....
La France	3.00 to 6.00	.... to	.... to	.... to	.... to ....
Meteor	2.00 to 8.00	3.00 to 12.50	4.00 to 10.00	6.00 to 8.00	.... to ....
Papa Gontier	.... to	.. to ..	.... to	3.00 to 4.00	.... to ....
Perle	2.00 to 5.00	2.00 to 8.00	3.00 to 8.00	3.00 to 4.00	.... to ....
Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
ORCHIDS—Cattleyas	35.00 to 60.00	.... to	.... to 50.00	.... to	.... to ....
Cypripedium	.... to 12.50	.... to	.... to 15.00	.... to	.... to ....
Dendrobium formosum	.... to ..	.... to	25.00 to 35.00	.. to ..	.... to ....
Carnations: Int'r grades, all colors	.75 to 1.00	1.00 to 1.50	1.00 to 1 50	.75 to 1.25	.... to ....
Standard Varieties: White	1.50 to 3.00	2.00 to 3 0	1.50 to 2 50	1 50 to 2.00	.... to ....
Standard Varieties: Pink	1.50 to 3 00	to 2.00	1.50 to 2 5	1 50 to 2.00	.... to ....
Standard Varieties: Red	1.50 to 3.00	2.00 to 2 5	1.50 to 2 50	1.50 to 2.00	.... to ....
Standard Varieties: Yel.&Var	1.50 to 3 00	2.00 to 2.50	1.50 to 2 5	1.50 to 2.00	.... to ....
*Fancy—White	3.00 to 5.00	3.00 to 3.50	2.50 to 4.00	2.50 to 3.00	.... to ....
*Fancy—Pink	3.00 to 5.0	.... to 2.50	2.50 to 4.00	2.50 to 3.00	.... to ....
*Fancy—Red	3.00 to 5.00	2.50 to 3.00	2.50 to 4.00	2.50 to 3.00	.... to ....
*Fancy—Yel.&Var	4.00 to 8.00	3.00 to 4.00	2.50 to 4.00	2.50 to 3.00	.... to ....
(*The highest grades of standard var) Novelties	8.00 to 10.00	5.00 to 6.00	3.00 to 5.00	.... to	.... to ....
Adiantum	.50 to .75	.... to 1.00	1.00 to 1.50	.... to 1.00	.... to ....
Asparagus	35.00 to 50.00	.... to 50.00	35 00 to 50.00	25.00 to 75 00	.... to ....
Callas	5.00 to 8.00	8.00 to 10.00	10.00 to 12.50	8.00 to 12 50	.... to ....
Hyacinths	1.00 to 2.00	1.50 to 4.00	2.00 to 4 00	2.00 to 3.00	.... to ....
Lilies	8.00 to 12.00	8.00 to 12 50	10.00 to 15.00	10.00 to 12.50	.... to ....
Lily of the Valley	1.00 to 2.50	1.00 to 3.00	2.00 to 4.00	3.00 to 4.00	.... to ....
Mignonette—ordinary	1.00 to 2.00	1.00 to 2.00	1.00 to 3.00	1.00 to 3.0	.... to ....
Mignonette—fancy	2.00 to 5.00	3 00 to 4.00	3.00 to 4.00	.... to	.... to ....
Narcissus	.50 to 2.50	1.50 to 4.00	3.00 to 4.00	.... to	.... to ....
Smilax	10.00 to 18.00	12.50 to 16.00	15.00 to 25.00	15.00 to 25.00	.... to ....
Sweet Peas	1.00 to 2.50	1.00 to 1.50	1.00 to 2.00	.... to	.... to ....
Tulips	2.00 to 4.00	2.50 to 4.00	3.00 to 4.00	2.00 to 4.00	.... to ....
Violets	.15 to .40	.30 to .50	20 to .50	.25 to .35	.... to ....
Violets, special	.50 to .75	.60 to .75	.50 to 1.00	.... to	.... to ....

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

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BRIDES.
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FLORISTS' VASES.
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Consignments of First-class Stock Solicited.
Valley in quantity. Telephone connection.

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Fine VALLEY in stock at all times.

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Seeds, Bulbs, Florist Supplies and Cut Flowers,
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ST. LOUIS, MO.

...Wholesale Prices of Cut Flowers...

	Names and Varieties	Chicago Apr. 4, '00	St. Louis Apr. 3, '00	Cincinnati Apr. 4, '00	Milwaukee Apr. 4 '00	Pittsburg Apr. 2, '00	Toronto Mar. 28, '00
Roses	A. BEAUTY, fancy—special	15.00—40.00	40.00—50.00	....—50.00	25.00—35.00	25.00—50.00	....—35.00
	" extra	25.00—30.00	25.00—35.00	....—25.00	15.00—20.00	15.00—20.00	....—26.00
	" No. 1	10.00—15.00	12.50—20.00	....—15.00	10.00—12.50	10.00—12.00	10.00—16.00
	" Culls & ordinary	3.00— 5.00	5.00—10.00	5.00—10.00	4.00— 6.00	5.00— 8.00	....—10.00
	Bride, Maid, fancy-spec'l	7.00— 8.00	....— 8.00	10.00—12.00	8.00—10.00	10.00—12.00	....—12.00
	" extra	5.00— 6.00	6.00— 7.00	8.00—10.00	6.00— 8.00	8.00—10.00	....—10.00
	" No. 1	3.00— 4.00	4.00— 5.00	5.00— 7.00	5.00— 6.00	6.00— 8.00	....— 8.00
	" No. 2	....— 2.00	....— 3.00	....— 4.00	3.00— 4.00	3.00— 5.00	1.50— 4.00
	K. A. Victoria	....—	....—	....—	....—	8.00—10.00	....— ....
	La France	6.00— 8.00	....—	....—	....—	....—	....— ....
	Meteor	4.00— 6.00	4.00— 6.00	....—10.00	6.00— 8.00	3.00—10.00	2.00—10.00
	Papa Gontier	3.00— 5.00	....—	....—	....—	....—	....— ....
	Perle	3.00— 5.00	3.00— 4.00	5.00— 6.00	4.00— 8.00	3.00— 6.00	2.00— 6.00
	Souv. de Wootton	....—	3.00— 4.00	....—	....—	....—	2.00—10.00
	ORCHIDS—Cattleyas	....—50.00	....—	....—	....—	....—	....—25.00
	Cypripediums	....—	....—	....—	....—	....—	....—10.00
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	Inf'r grades, all colors	1.00— 1.50	1.00— 1.50	... — 2.00	....—	1.50— 2.00	....— 1.50
	STANDARD VARIETIES White	2.00— 3.00	2.00— 2.5	3.00— 4.00	2.00— 3.00	2.00— 2.50	2.00— 3.00
	STANDARD VARIETIES Pink	2.00— 3.00	2.00— 2.50	3.00— 4.00	2.00— 3.00	2.00— 2.50	2.00— 3.00
	STANDARD VARIETIES Red	2.00— 3.00	2.00— 2.50	3.00— 4.00	2.00— 3.00	2.00— 2.50	2.00— 3.00
	STANDARD VARIETIES Yel.&Var.	1.75— 2.00	2.00— 2.5	3.00— 4.00	2.00— 3.00	2.00— 2.5	....— ....
	*FANCY— White	3.00— 4.00	....— 3.00	5.00— 7.00	4.00— 5.00	3.00— 4.00	....— 4.00
	(*The highest grades of standard var) Pink	4.00— 5.00	....— 3.00	5.00— 7.00	4.00— 5.00	3.00— 4.00	....— 4.00
	(*The highest grades of standard var) Red	4.00— 5.00	....— 3.00	5.00— 7.00	4.00— 5.00	3.00— 4.00	....— 4.00
	(*The highest grades of standard var) Yel.&Var.	3.00— 4.00	....— 3.00	5.00— 7.00	4.00— 5.00	3.00— 4.00	....— 4.00
	NOVELTIES	....—	....—	....—	....—	....—	....— 5.00
	ADIANTUM	.75— 1.00	....— 1.00	.75— 1.00	....— 1.50	1.00— 1.25	....— ....
	ASPARAGUS	40.00—50.00	....—	....—50.00	....—	35.00—50.00	30.00—50.00
	CALLAS	10.00—12.00	10.00—12.50	....—15.00	....—12.50	10.00—12.00	4.00—10.00
	HYACINTHS	2.00— 5.00	2.00— 4.00	2.00— 5.00	....—	....—	2.00— 7.00
	LILIES	10.00—12.00	10.00—12.50	....—12.50	12.50—15.00	6.00—12.00	....—10.00
	LILY OF THE VALLEY	3.00— 4.00	....—	3.00— 4.00	....— 5.00	2.00— 4.00	2.50— 4.00
	MIGNONETTE—ordinary	2.00— 4.00	....—	....—	....— 2.00	1.50— 2.00	2.00— ....
	" fancy	....—	....—	....—	....— 3.00	2.00— 3.00	....— 6.00
	NARCISSUS	2.00— 3.00	2.00— 3.00	....— 3.00	....—	2.00— 3.00	2.00— 5.00
	SMILAX	10.00—12.00	12.50—15.00	15.00—18.00	....—18.00	....—15.00	15.00—25.00
	SWEET PEAS	1.50— 2.00	.75— 2.00	....—	....—	1.50— 2.00	....— ....
	TULIPS	2.00— 4.00	2.00— 4.00	4.00— 6.00	3.00— 4.00	....—	1.50— 4.00
	VIOLETS	.40— .60	....— .20	....— .75	....— .50	.35— .60	....— .50
	VIOLETS—special	....— .75	.30— .50	....— 1.00	....— .75	1.00— 1.25	....— 1.00

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HARDY Cut Ferns!

$1.00 PER 1000.

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BOUQUET GREEN . . . 4 cts. per lb.
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BOUQUET GREEN WREATHING, all sizes made to order, 3 to 8 cts. per yd.
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Prince's Pine, by the 100 lbs., $3.50.
Galax Leaves, bronze or green.
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FISH GLOBES Send for our Special Price List.
FISH FOOD.....per dozen boxes, 40 cts.
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The selling of Spring Bedding Stock will be in order.

Novelty Booklets

Cards, etc., in colors, will help you.

Free samples ready April 16th. Apply early.

DAN'L B. LONG, Publisher, Buffalo, N.Y.

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Providence, R. I.

Easter Prospects.

As Spring and Easter approaches trade in the florist's line, as well as in other kindred vocations, is on the increase. Retailers have bought heavily expecting a big demand, especially in blooming plants for Easter. Carnations have and will be exceptionally short this year. Prices on these have not ruled higher than they are now for several years. Violets have been in abundance, and at the home of violets, in this section (Warren), they are most beautiful. Seymour Bros., as well as Messrs. Barkers' have each two to three large houses in prime condition for Easter.

A tour among the growers clearly illustrates the increasing demand there is for plants and other Easter flowers. Geo. C. Kelley makes a specialty of growing all kinds of bulbous stock. George is getting ready for his usual Easter display, which commences next Sunday. From present indications his exhibit will surpass anything he has previously shown.

S. J. Reuter, of Westerly, is seading exceptionally fine White Cloud carnations to this market. The same is true about his other varieties, including his roses.

Jottings.

The grip has been very prevalent with us this season. Timothy O'Connor and Walter Hogg have been unable to attend to business for over a week, but are expected soon to be around again. Not a week passes but some of the craft is laid up.

One of our large department stores has opened a flower counter for the sale of cut flowers and plants, and desiga work. Naturally, it is causing considerable comment in the retail trade. The growers get as much for their stock from the department store as they do from the florist, but the trouble comes to the retailers, who cannot afford to sell on so close a margin as bargain-counter prices. This department, I understand, is in charge of a Mr. Lake, formerly of New Bedford, who had the misfortune of being burned out some time ago.

The demand for all kinds of stock has been very heavy of late, owing to the unprecedented call for funeral work. Among the more notable of our associates called home was J. McCarthy, assistant superintendent of Swan Point Cemetery; D. W. Reeves, director of the American Band, whose funeral was held a few weeks ago, had the largest amount of design work seen here in some t me.

James Hockey, president of the Florists' Club, and formerly gardener to Mr. F. C. Sayles, Pawtucket, has launched out in the commercial ine, having leased a place in Pawtucket. His friends wish him success.

E. J. Johnston mourns the loss of a valuable horse.

Alexander Miller has sold his store on Weybosset street. Mrs. Miller has been very ill for a long time, but is now slowly recovering.

Alfred McCoyd has reopened a flower store in this city, since selling out the one he had in Fall River.

The next meeting of the Florists and Gardeners' Club of Rhode Island will be held April 12, at 96 Westminster street.

A. M.

Washington, D. C.

At the funeral ceremonies over the remains of the late H. P. Godwin, on Monday afternoon, in St. Mark's Episcopal Cathedral, three of the finest floral designs ever seen in Washington were furnished by the American Rose Company. They comprised a massive crescent wreath, 6 feet in diameter, of bronze galax leaves, with magnificent specimen Golden Gate roses and Easter lilies and a cluster of cycas leaves, and the same rose festooned with loopings of lace and taffeta ribbon in lilac and white; an anchor of galax and violets, 6 feet high (both of these designs were mounted on easels), and a double cluster of the celebrated Mme. Chateaay rose (the most exquisite shade of coppery pink), containing about 300 blossoms, and tied with open work ribbon of the same shade.

Portland, Me.

Niles Nelson, of South Portland, has two houses of roses which are looking exceptionally fine. Mr. Nelson says they are better than he has ever had them before. Being grafted stock he intends keeping them in the benches another year. A large lot of Lilium Harrisii and an exceptionally fine lot of azaleas will be in good shape for Easter. Great credit is due Mr. Dyer, the manager of this thriving establishment, for the splendid quality of the stock that is grown here. Mr. Dyer is going to surprise the natives of Portland with some fine tomatoes which he is growing.

S. C. Dennett's new store under the Columbia Hotel is always very attractive.

J. A. Dirwanger, Sr., is somewhat indisposed with an attack of the grip.

The local seed houses report good business. The catalogue issued by H. T. Harmon & Co. is the best thing of its kind sent out by any house east of Boston.

FOREST CITY.

Tarrytown, N. Y.

The Tarrytown Horticultural Society held its monthly meeting on March 29. Wallace Odell and John Walquist were elected to membership.

Spiræa grandiflora was exhibited by Wm. Scott in splendid form. Imantophyllum miniatum, also a seedling from it, a shade lighter in color, both being well grown, were shown by Louis A. Martin.

A very interesting paper on the culture of chrysanthemums, by James J. Scott, gardener at the House of Refuge, New York, was read, in his absence, by Wm. Scott. The paper was well received and a lively and interesting discussion followed.

ROBT. ANGUS,
Reporting Secretary.

Columbus, O.

Harry Ballou, who for the past four years has been in charge of the Livingston gardens, has resigned his position with the firm and started in business for himself.

I. D. Siebert has been installed as manager of the Livingston Seed Company's greenhouses and gardens. He has grown up in the flower and plant business.

Our florists seem to be well pleased with the demand for flowers for this time of year. Present indications point to a lively Easter business.

FRITZ.



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CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

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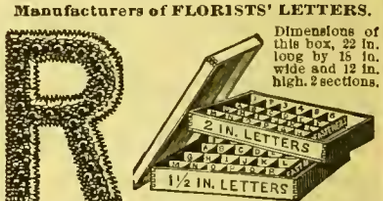
Manufacturers of FLORISTS' LETTERS.



Dimensions of this box, 22 in. long by 15 in. wide and 12 in. high, 2 sections.

This wooden box nicely stained and varnished, 18x80x12 made in two sections, one for each size letter, given away with first order of 500 letters.
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Fastener with each letter or word.
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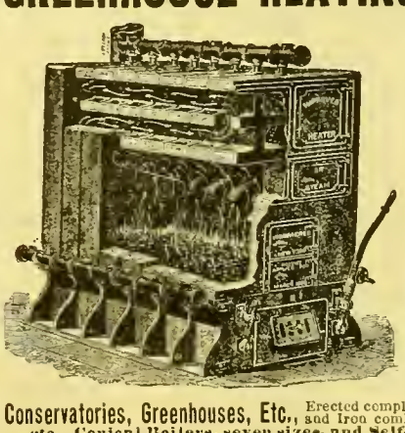

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KEAP STREET GREENHOUSES,
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Yours very truly, Signed, JOHN SCOTT.

P. S.—Kindly book my order for another boiler. I will let you know later when to deliver it. J. S.

Conservatories, Greenhouses, Etc., Erected complete of our Patent Iron Frame Construction, or of Wood and Iron combined, or Wood alone. Hotbed Sash, Frames, etc. Conical Boilers, seven sizes, and Self-Feeding Boilers for small Conservatories. Established, 1859. Send 4 Cents Postage for Illustrated Catalogue.

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Send for PRICE LIST and SAMPLE.
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FIRST QUALITY. CREAM COLOR.

1¾ in., per 1000	$2 40	3½ in., per 1000	$4 95
2 in., "	2 75	4 in., "	6 20
2½ in., "	3 35	5 in., "	10 80
3 in., "	4 70	6 in., "	16 50

Packages extra.

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Second-hand Flower Pots Cheap

	Per 1000
18,000 2½ in. rim pots	$2 50
10,000 2½ in. plain pots	2 50
8,000 2x3 Rose pots	2 25
8,000 3 in. rim standard pots	4 00
2,000 3½ in. rim standard pots	5 00

These pots are in good condition. Many of them have only been used once. Address
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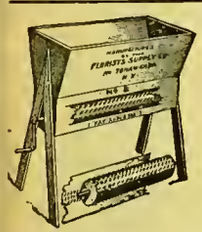

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1500 2 in. pots in crate,	$4.88	120 7 in. pots in crate,	$4.30
1500 2¼ " "	5.25	60 8 " "	5.00
1500 2½ " "	6.00	48 9 " "	5.60
1000 3 " "	5.00	48 10 " "	4.80
800 3½ " "	5.80	24 11 " "	2.60
500 4 " "	4.50	24 12 " "	4.80
320 5 " "	4.51	12 14 " "	4.80
144 6 " "	3.16	6 16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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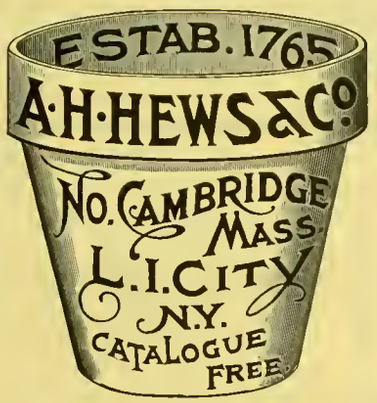

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8 inches High, Specially Made for Show Windows, Plates, 5x7, 75c.

Height.	Size of Plates.	Price.	Height.	Size of Plates.	Price.
12 inch.	5x 7	$0.75	36 inch	8x10½	$1.30
18 inch.	5x 7	.80	36 inch	8x12	1.40
18 inch.	8x10½	.95	42 inch	8x10½	1.40
24 inch.	8x10½	1.05	42 inch.	8x12	1.50
24 inch	8x12	1.15	48 inch.	8x12	1.60
30 inch.	8x10½	1.20	60 inch.	8x12	1.70
30 inch.	8x12	1.30	72 inch	8x12	1.80

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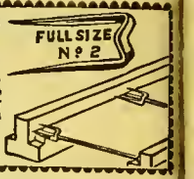

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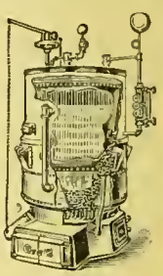

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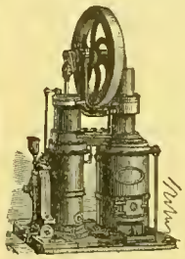



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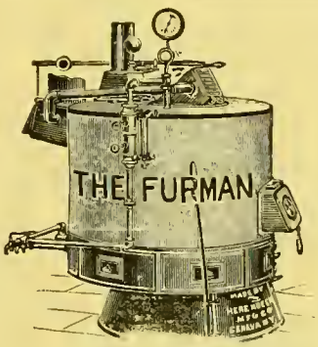

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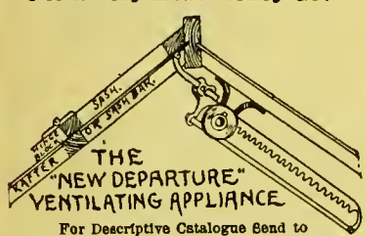

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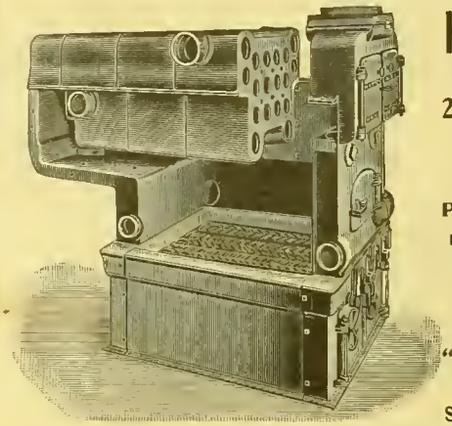

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Mrs. G. M. Bradt One of the largest and most sought after Carnations grown, producing blooms 3 to 4 in. in diameter; best seller of its class; strong stock, $5.00 per 100; $40.00 per 1000.

Mrs. James Dean Clear, delicate, chaste, silvery-pink, largely grown as a standard light pink.

Genevieve Lord Fine, strong plants, from soil or pots, $10.00 per 100; $75.00 per 1000.

Remember, the Above Are Selected Cuttings Propagated from Selected Strains of Each Variety.

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DO NOT LET COLD WEATHER SCARE YOU OFF.



SALVIA SPLENDENS.
BONFIRE.
Trade packet.....25c.

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Fine Mixed, Imported.
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SWEET PEAS.
All Varieties.
¼ lb.....15c.
Postage, 4c.

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Queen Market.
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TUBEROSES.
1000, $5.00

GLADIOLI.
Extra Fine Mixed.
100, $1.25

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CHINESE PRIMROSE, finest large fringed, single and double, 13 vars., mixed, 500 seeds, $1.00.

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	Doz.	100	1000
Begonia, Tuberous Rooted, single, 1½ to. and up, 5 separate colors	$0.30	$2.00	
Double, mixed, 1½ to. and up	.60	4.00	
Caladium Esculentum, 6–11 to.	.60	4.00	
Fancy leaved, choicest sorts, mixed	.70	5.00	
Gloxinias, best mixed	.40	3.00	
	100	1000	
Tuberoses, Ex. Pearl, a few bbls., 3–4	$0.40	$9.00	
4–6	.60	5.75	
Milla Biflora, White Star flower,	$0.20	1.50	10.00
Bessera Elegans, Coral drop	.20	1.50	10.00
Zephyranthes, mixed	.20	1.50	10.00
Lil. Rubrum, 6–8 to., fine flowering	.40	2.50	
Lil. Rubrum, Large Bulbs	.60	5.00	
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JAPAN MAPLES A NOVELTY. Seen to best advantage in their brilliant foliage if several sorts are grafted on **one stem,** forming a veritable bouquet of foliage, red, yellow, green, variegated. Beautiful for jardinieres, show windows, pots, etc. Each, 50 cts.; doz., $5.00.

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CYCAS REVOLUTA In splendid condition, ½ lb. to 20 lbs. at $3.00 per 100 lbs.; 500 lbs. at $7.00 per 100 lbs.

SEEDS. We wish to dispose of our surplus **Sweet Pea Seed,** crop 1899, and offer same to all **leading** sorts, at 25c. a lb.; 10 lbs. at $2.00; single oz., 5c. **Eckford's Choicest Hybrids,** mixed, lb., 20c; 10 lbs., $1.50. Sorts we offer: R. Burpee, E. Ferry, E. E. B. Ferry, C. Henderson, Prima Donna, Mrs. Huot, C. of Aberdeen, Mars, Firefly, Mousseu, D. Tennant, L. Eckford, Boreatton, Capt. of Blues, N. Countess, C. of Radnor, Primrose, Queen Victoria, Butterfly, etc. **White Cupid,** oz., 10c.; lb., $1.00. **Rose Cupid,** oz., 15c.; lb., $1.50. Small lot of **Asparagus Sprengeri,** 100 seeds, 50c.; 1000 seeds, $4.00. **Lantana Horbonica,** 100 seeds, 20c.; 1000 seeds, $1.75. **Cocos Weddelinna,** 100 seeds, 60c.; 1000 seeds, $5.00.

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TUBEROSES Dwarf Double Pearl. First size, 4½ to 6 inch bulbs, $1.00 per 100; $7.00 per 1000.

PRIMULA SEED Chinese Fringed, Alba Magnifica, Cœrulea Blue, Chiswick Red, Coccinea Superba, crimson Giant Rose, Magenta Queen, Magnum Bonum, Village Maid, striped, per 100 seed, 25c.

ASTER Semple's Branching. In white pink, lavender, crimson and purple. Per ⅛ oz., 15c.; per oz., 75c.

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Early Ohios	$3.50 per bbl.
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bbl at any time. Remit by P. O. or Express Order or Registered Letter.
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SEED CASES and DRAWERS.
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California Saved Palm Seeds, Etc.

FRESH ON HAND.	100	1000	5000
Phœnix Canariensis		$0.50	$2.00
" **Reclinata**	$0.25	2.00	8.75
Asparagus Sprengeri	.65	4.50	20.00
Brahea Glauca	per pound, 75c.		
" **Edulis**	" 75c.		
Chamærops Excelsa	" 40c.		

Coreopsis Lanceolata per pound, $1.25

Australian Salt Bush (Atriplex Semibaccatum), per pound, 75c.; 50 lb. lots, 60c.; 100 lb. lots or over, 50c.

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A good stock of these bulbs, plump and sound.

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ASPARAGUS PLUMOSUS NANUS. We are Headquarters for **best American grown seed.** Per 100, $1.25; per 1000, $9.00; 3000 for $25.00.

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TUBEROSE BULBS Excelsior Dwarf Pearl, Mammoth bulbs, 6 to 8 in., $1.25 per 100; First size bulbs, 4 to 6 in., $1.00 per 100; $7.00 per 1000 (3000 for $20.00); Medium size bulbs, 3 to 4 in., 50 cts. per 100; $3.00 per 1000.

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All Home-Grown Seeds.

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Aster, Vick's Daybreak, Pink	$1.50	$4.00
" " Purity, White	2.00	6.00
" Branching Comet, White	2.50	8.00
" Vick's Branching, in colors, White, Pink, Crimson and Purple, each	.25	.75

Trade List, also Garden and Floral Guide, now ready. Send for it.

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Large Consignment of **CYCAS REVOLUTA**
Selected stems, 1–6 lbs. each.

TREE FERNS (Cyathea spinulosa)
Stems, 4 in., to 1½ ft.
Due here in the course of this month.
Write for prices.

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THE "NOVELTY" OF NOVELTIES FOR 1900

NEW—"MRS. KATE GRAY"—CANNA

A MAGNIFICENT HYBRID RESULTING FROM A CROSS OF ITALIA×MAD. CROZY

The Color is a rich shade of orange scarlet overlaid with gold, a superb coloring which in open sunlight is simply dazzling. **The Form** is an ideal of the Crozy type of bloom, the petals being very broad and overlapping, measuring 2½ to 3 inches wide, while the individual flowers are from 6 to 7 inches across. **The Texture** of the flowers is all that could be desired; they partake of the nature of the pollen parent or Crozy race in this respect, and withstand our hottest summer suns without wilting. **The Foliage** is a bright glossy green, equal to a Musa in size and substance and forms a beautiful foil to the gigantic trusses of bloom. **The Height** of the plant is 6 to 7 feet, the growth is luxuriant to a degree, but very compact; the massive foliage, giant trusses, and enormous individual flower, give the plant a noble tropical appearance. **It is the Only Canna** of its kind in existence, and absolutely surpasses all others: its intrinsic value will make it a leading standard sort for years to come.

PRICES.—Strong roots, 35c each; $3.50 per dozen; $25.00 per hundred. Terms strictly cash with order, no exceptions. Stock limited; orders filled in strict rotation. Address,

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SPECIAL TO FLORISTS

Johnson & Stokes' Evergreen Velvet Lawn Grass Seed.

Put up in beautiful lithographic cartons to sell for small grass plots and cemetery lots.

Pint Size..... per doz., 60 cts.; per 100, $5.00 | Quart Size..... per doz., $1.20; per 100, $10.00

LITHOGRAPHIC FLOWER SEED PACKETS, with full cultural directions and generously filled, per 100 packets, $2.00; per 1000 packets, $15.00. Beautiful POPLAR CABINET for displaying them, $1.00.

LITHOGRAPHIC VEGETABLE SEED PACKETS, at same rate.

ASTER—Queen of the Market, the earliest of Asters, mixed, per ¼ oz., 15 cts.; per oz., 50 cts.
" **Queen of the Market,** white, crimson, blue and red, per ¼ oz., 15 cts.; oz., 50 cts.
" **Semple's True Branching Mixed,** per ¼ oz., 15 cts.; per oz., 50 cts.; per lb., $5.00.
" " " shell pink, white and red, per ¼ oz., 20 cts.; per oz., 75 cts.
NASTURTIUM—Tom Thumb Mixed (New crop), per ¼ lb., 15 cts.; per lb., 40 cts.; per 100 lbs., $35.00.
" **Tall Mixed,** per ¼ lb., 15 cts.; per lb., 35 cts.; per 100 lbs., $30.00.

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ASTER | COSMOS | PANSY | SALVIA | ZINNIA

BEANS | CLOVER | GRASS | ONIONS | PARSNIP

SEED TRADE REPORT

Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Chicago, Ill., President; ALBERT MCCULLOUGH, Cincinnati, First Vice-President; F. W. BOLGIANO, Washington, Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

New York.—John Speelman, of C. Speelman & Sons, Sassenheim, Holland, who is now on his annual visit to this country, was a recent caller. He reports the demand in America for tulips, hyacinths and narcissus as being very good. As regards supplies, he states that hyacinths will be scarce this year again; tulips will be equal to the demand. Recent advices indicate that Roman hyacinths will be in short supply, and prices on same will be advanced over those of last year. There is a good demand for French bulbs in general.

M. Koster, of Boskoop, Holland, arrived in New York Wednesday morning last, on his annual trip.

European Notes.

The cold wave is increasing in intensity, and from 12 to 18 degrees of frost are registered every night. As, however, the atmosphere keeps dry the injury to growing plants is not so great as it would otherwise be.

Now that the land is in good working order the growers are beginning to kick, and the greatest difficulty is being experienced in the placing of contracts, particularly for radish and spinach. Contract prices for these articles have been much too low for several years, and this, coupled with the miserable crop of last season, has naturally made growers shy. At the same time it is certain that they will make a plunge in some other direction and court fresh disaster.

With such a favorable sowing time it is strange that the market for heavy seeds should be in such a stagnant condition. Owing to the appearance of some fine samples of English red clover prices for this article have dropped considerably, but as it is reported that Germany will be a large buyer values may stiffen again later on. Other varieties of clover remain unchanged, although the tendency for alsyke is downward. Rape is being so extensively used for sheep feed that the price is advancing rapidly, and unless we soon have some warmer weather to give the grass a start it will soon be out of reach. There are no turnips or rutabagas now left for feed, and not many mangels, so that every available scrap of green fodder is at a premium.

Visitors who expected to find a good display of narcissi at the last meeting of the Royal Horticultural Society were disappointed, but the splendid display of cyclamen amply compensated. An entirely new form of Cyclamen persicum was exhibited by the St. George's Nursery Co., in which the leaves were exquisitely fringed and cut. The flowers are those of the fringed or papilio section, and of the grandiflora size. It is a very distinct novelty. It is not a sport from the Belgian strain, but an entirely distinct development, the first plant appeared nearly nine years ago. An award of merit was accorded to the strain. The proprietors received several very handsome offers for the stock, but have decided not to offer it to the trade for another year.

Among other interesting exhibits, a new variety of rhubarb (Davis Champion) a gigantic early variety, of beautiful appearance and fine quality, received the rare honor of a first-class certificate. An impetus to the sale of the lovely Iris germanica was furnished by a display of plants that had been successfully forced, and were shown in simply perfect condition.

The many friends on your side of Mr. Fred. Sharpe, of Wisbech, will regret to learn of his sudden death during the present week. Although he had been ailing for some time there was no reason to anticipate such a speedy and sudden end. He was a through seedsman and a genial gentleman, who made friends of all with whom he came in contact.

EUROPEAN SEEDS.

Imports and Exports Statistics.

The following exports and imports of plants, shrubs, seeds, etc., are for the month of February, the latest period for which the official figures have been compiled by the Treasury Department.

The dutiable imports of plants, shrubs and vines amounted to $26,953 in February, 1900, against $9,717 in the same month of last year. The free imports of seeds amounted in February, 1900, to $136,089, against $89,485, the value of the imports of February, 1899. The dutiable imports of seed amounted to $73,298 in February, 1900, against $51,212 in February of the previous year.

The exports of seeds to other countries amounted to $485,672 against $351,233 in the same month of 1899. The countries to which the United States exported seeds were the United Kingdom, which received shipments to the value of $167,537 in February, 1900, against $73,659 in the same month of 1899.

Shipments to France amounted to $29,857 in February, 1900, against $135,959 in the same month last year. Germany imported seeds from the United States in February to the value of $180,922, against $41,772 in February, 1899. Other European countries received shipments to the value of $26,269 in February, 1900, against $27,464 in the corresponding month of 1899.

An increase is noted in the exports of seed this February to British North America, being $72,250, as against $61,330 in February of last year.

Only $4 worth of seed were shipped to Africa during this February, against $970 worth in February of a year ago.

CATALOGUES RECEIVED.

HARLAN P. KELSEY, Boston, Mass.—Surplus offer of Evergreen Trees, Shrubs, Bulbs, etc.

JENNINGS BROS., Olney, Phila.—Beautifully illustrated catalogue, showing kinds of fittings, and other greenhouse appliances manufactured by this firm, also giving an idea of the structures it builds. Cast-iron gutters a specialty.

R. J. MENDENHALL, Minneapolis, Minn.—Illustrated catalogue of Flower Seeds, Plants, etc.

H. KRELAGE & SON, Haarlem, Holland.—Catalogue of Begonias, Cannas, Dahlias, etc., including all the novelties.

STATE NURSERY CO., Helena, Mont.—Spring Price List of Plants, etc. This establishment is heated by natural hot water.

ELM CITY NURSERY CO., New Haven, Conn.—General Catalogue of Nursery Stock; also Price List of Specialties.

C. C. POLLWORTH CO., Milwaukee.—Price List of Palms and Ferns for Easter.

HENRY WALLIS, Wellston, Mo.—Price List of "Hicks" Grape.

J. A. MCDOWELL, City of Mexico.—Trade List of Orchids, Cacti, Bulbs.

PARSONS & SONS CO., Flushing, N. Y.—Catalogue of Deciduous Trees and Shrubs, Rare Evergreens, Japanese Maples and Rhododendrons.

GREAT BARGAINS

SEE MARCH 31st ISSUE OF THIS PAPER.

If prices are too high, make us an offer on what you want, and if we can accept we will do so.

Note our Ampelopsis, Clematis Paniculata, Privet, and young stock for transplanting. **ELIZABETH NURSERY CO., Elizabeth, N. J.**

Mention the Florists' Exchange when writing.

CALIFORNIAN SEEDS

Contract Prices for 1900 Harvest on Application.

WHOLESALE ONLY.

PERRY WATSON & CO.,

SACRAMENTO, CAL.

Mention the Florists' Exchange when writing.

CANNAS Mme. Crozy, Charlotte, Paul Marquant A. Bouvier, Burbank, $1.50 per 100.
Pansy, Vautier's Mammoth, Bugnot. **Bellis Perennis,** fl. pl. **Myosotis,** Victoria, $3.50 per 1000. **Stocks,** German, Ten-Weeks, white or mixed, 2½ inch, $1.50 per 100.

Shellroad Greenhouse Co., Grange P.O., Balto., Md.

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Fern Spores Extra large packet of fresh Spores. Best varieties assorted, sufficient for 3000 or more plants, $1.00. **Collection** of 12 best varieties, each separate, $5.00.

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CANNAS

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MAURANDYA VINE, roses and alba, just what you want for baskets and vases, 3 cts.
ALTERNANTHERAS, R. Nana, N. Nana, P. Major, 2½ cts.; R. C., 50 cts. per 100; $5.00 per 1000.
GERANIUMS, Sallerol, Mrs. Taylor, Walnut and Rose, 2½ cts.
VINCA MAJOR, white leaf, 2½ in., 2½ cts.
BEGONIAS, in variety, 2½ cts.
TRAILING LANTANA, 2½ cts.
GNAPHALIUM, fine for baskets, etc., 2½ cts.
ACHYRANTHES, 2½ cts.
COLEUS, Beckwith Gem, Queen of West and other varieties, 2 cts.; R. C., 75 cts. per 100.
TRADESCANTIA Multicolor and **GIANT SWEET ALYSSUM,** 2 cts.; R. C., 75 cts. a 100.

CASH, PLEASE.

A. J. BALDWIN, Newark, Ohio.

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CANNAS.

Souv. de A. Crozy, Burbank, Italia, Austria, out of 3 in pots; per 100, $6.00. Mixed varieties, standard sorts, 3 in.; per 100, $5.00.
ROSES, Bride and Bridesmaid, 2 in., clean stock, per 100, $3.00
CHRYSANTHEMUMS, 2 inch. Ivory, Golden Fleece, Independence, Canning, Mizpah, Glory of Pacific, Helen Bloodgood, O. Bramhall, at $2.00 per 100.
Alternantheras. P. Major and A. Nana, 100 Rooted Cuttings; 1000, $5.00..... $0.60
Cobæa Scandens, 2½ in..... 2.00
Salvia Splendens, 2 in..... 2.00
Radbeckia, Golden Glow, 2½ in..... 3.00
Abutilon, Souv. de Bonn, 3 in..... 5.00
Cyperus Alternifollus, 4 in..... 6.00
Fuchsia Jupiter, 3 in..... 5.00
Begonia, Erfordi and A. Guttata, 2 in..... 2.50
Cigar Plant, 2 in..... 2.00
Feverfew, Little Gem, 2 in..... 2.50
Passion Vine, purple, 2½ in..... 3.00
Pilea, 2 in..... 2.00
Dusty Miller (Gym.), 2 in..... 2.00

Send for list of Sweet Pea seed.

Satisfaction Guaranteed. CASH WITH ORDER.

GEO. L. MILLER, Newark, Ohio.

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The most practical treatise on this interesting subject ever written. **Only 10 cents.**

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TUBEROSES=The Pearl

Per 1000

A1 Bulbs, free on cars, New York City..$6.00
No. 2 " " " " " .. 3.00

500 at 1000 rate

HULSEBOSCH BROS., Englewood, N. J.

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FLORISTS' FLOWER SEEDS **Sweet Peas**

Wholesale Catalogue on application.

WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., New York City.

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ASTER SEED

Aster Victoria, branching, mixed, pale pink, lilac and purple, a good mixture for florists' use, 50 cts. per oz.

FOR EASTER! Crimson RAMBLERS, from 4 to 6 feet high, 2 feet wide, in full bloom for Easter.

JOHN RECK, Bridgeport, Conn.

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ASPARAGUS PLUMOSUS NANUS SEED—(Bome grown), $1.00 per 100 seeds. $9.00 per 1000 seeds.

ASPARAGUS SPRENGERI SEED. New Crop—75c. per 100 seeds; $6.00 per 1000 seeds.

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WHOLESALE PRICE LIST OF SEEDS, BULBS &c. ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS.

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Best Quality at Lowest Rates.

ROMAN HYACINTHS, NARCISSI, FREESIA,

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Bulb Grower and Exporter.

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WE ARE GROWERS AND FOUNTAIN SOURCE OF FOLLOWING SPECIALTIES:

Lima Beans—Bush and Pole
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Tall Germ'n Wax
Greaseback
All other sorts Pole
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Cassigre
Carrot
Celery
Lettuce
Onion
Parsnip
Radish
Salsify
Salt Bush
These New Vars. California Giant Branching Comet Asters
Centaurea Imperialis
Dianthus, Oriental Beauties
Masterpiece Pansy
Winter Pineapple
Muskmelon
Chilian
Watermelon
Australian
Brown Onion
Triumph Radish
Roselle, or Lemonade Plant
Asters, choice
Cosmos, choice Sweet Peas "
Verbenas "
Calla Bulbs, Freesia Bulbs
Seeds of all varieties of
Acacias
Cypresses
Eucalyptus
Palms
Thujas
Moss Eseta
Camphor Tree
Oreivilles
California Big Tree
California Redwood Tree, Etc.

Correspondence Solicited.

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CANNAS The THREE BEST Solid Red CANNAS: BLACK PRINCE, $10.00 per 100; PHILADELPHIA, $4.00 a 100; DUKE OF MARLBOROUGH, $4.00 a 100.

BOSTON FERN Strong, 2½ inch, $5.00 per 100. | YELLOW RAMBLER, PINK RAMBLER | TWO YEAR, $8.00 per 100

THE CONARD & JONES CO., West Grove, Pa.

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And a general assortment of **HARDY NURSERY STOCK.** Write for prices. It will pay you.

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UNION COUNTY NURSERIES.

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RARE EVERGREEN TREES
200,000 HANDSOME SHADE TREES,
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ARE SCARCE.

Nurserymen and Florists should increase their plantings of this favorite hedge plant. **Californin Privet Cuttings**, 1 25 per 100; $10 50 for 10,000. Packed and Boxed F. O. B. Cash with order.

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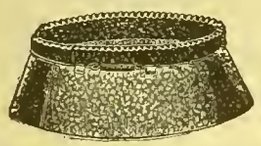
A Picture of the....



EXPANSIVE TREE PROTECTOR.

Absolutely prevents all worms and insects from crawling up fruit and shade trees. For agency, territory and prices, address

EXPANSIVE TREE PROTECTOR CO.,
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P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS,	AZALEAS,
SPIRÆA JAPONICA,	LILIUM SPECIOSUM
PÆONIES,	BLEEDING HEART
POT GROWN LILACS,	HYDRANGEA IN SORTS.

CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.

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F. & F. NURSERIES SPRINGFIELD, NEW JERSEY.

Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.

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AMERICAN HOLLY (Ilex Opaca)

This is one of America's most beautiful evergreens. Its foliage varies very little from that of the English Holly, and its rich clusters of scarlet berries make a good substitute for flowers in the Winter shrubbery. It is hardy in almost any locality. To insure safety in transplanting, the leaves should be removed from the plant at that time.

1 to 2 ft., transplanted, heavy.....$4.00 per 10; $30.00 per 100.
2 to 3 ft., " " ..... $6 50 " $50.00 "
3 to 4 ft., " " .....$9.00 "

ANDORRA NURSERIES, Wm. Warner Harper, Proprietor, Chestnut Hill, PHILA., PA.

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LARGE MAPLES

NORWAY MAPLES.	Per 100	SILVER MAPLES.	Per 100
1¼-1¾ in. cal., 10-14 feet	$35.00	1¾-2 in. cal., 12-14 feet	$25.00
1¾-2 " " 12-16 "	60.00	2-2¼ " " 14-18 "	35.00
2-2¼ " " 14-18 "	90.00	2¼-2½ " " 15-18 "	50.00
2¼-2½ " " 16-19 "	110.00	2½-3 " " 16-20 "	75.00
		3-3½ " " 18-21 "	100.00

These are grown wide apart, have good fibrous roots, straight trunks, single leaders, symmetrical tops. CAR LOTS.

ISAAC HICKS & SON, Westbury Station, Nassau County, New York.

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogues on application. Send estimate of wants for prices.

THE WM. H. MOON CO., GLENWOOD NURSERIES, **Morrisville, Pa.**

TREES Fruit Trees, Small Fruits, including grapes. Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, MT. HOPE NURSERIES, 61st year. **Rochester, N. Y.**

EASTER AND SPRING, 1900.

Clematis, in the best market varieties, mostly Jackmauni, $20 per 100.

H. P. Roses, true to name, strong, fine plants, $10 per 100; $80 per 1000.

Azalea Mollis. Dwarfs, fine, well-budded plants, $35 and $45 per 100.

Azalea Mollis, Standards, fine, $75 a 100.

Azalea Pontica, extra fine, $45 per 100.

Lilacs, for forcing, $45 per 100.

Pæonia Sinensis, in the best varieties, true to name, $15 per 100.

Bleeding Heart, mammoth clumps, $10 per 100.

Gloxinia Erecta, extra fine, $40 per 1000; $5 per 100.

Tuberous Rooted Begonias, in separate colors, the cream of the market. Single, as above, $25 per 1000; $3 a 100. Double, " $40 " $5 "

CYCAS REVOLUTA The true long-leaf variety, will be on hand during April. Write for prices on all other goods to

F. W. O. SCHMITZ, Jersey City N. J.

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TREES! TREES!

Norway, Sugar and Silver Maples
Norway Spruce and Arbor Vitæ.

WM. J. CHINNICK, Trenton, N. J.

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SURPLUS PEACH

500 **Elberta**, No. 1.....at 4 cts.
150 **Chairs' Choice**, No. 1.....at 4 cts.
100 **Smock**, No. 1.....at 4 cts.
100 **Brandywine**, No. 1.....at 4 cts.
5000 General assortment, 7-16 to 9-16, at 2 cts.

Handsome, well-branched trees. Certificate accompanies all shipments.

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CAPE JASMINES

Gardenia Florida, 3 to 6 inches, strong and stocky, at $2.00 per 100.

CALIFORNIA PRIVET 2 to 2½ in., well-branched, at $2.00 per 100.

JOHN MONKHOUSE, Jewella, La.
CADDO NURSERIES.

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EDWARD B. JACKSON,

Wholesale Florist.

Hardy Herbaceous Plants Only

In any quantity for the least money.

STAMFORD, CONN.

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FRUIT and ORNAMENTAL TREES,

Shrubs, Vines and Roses.

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., Geneva, N. Y.

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THE PINEHURST NURSERIES,

OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.

Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda nitida, Fothergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Dionæa muscipula, Lupinus diffusus, Phlox suhulata, Sarracenias, etc., etc. **Ask for Trade Lists.**

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SURPLUS FOR SPRING 1900

Can yet do **PEACHES** and **JAPAN PLUMS** in limited quantity; also **MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY, STRAWBERRIES** from best leading varieties. Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.
ALEX. PULLEN, PROPRIETOR.

Mention the Florists' Exchange when writing.

STRAWBERRY and other SMALL FRUIT PLANTS

FRUIT TREES, Etc.

Strawberry plants, such as Michel's, Tennessee and Earliest at 40c. per 100, $1.50 per 1000; Wm. Belt, Gandy, Bubach, Haverland, Kentucky, Glen Mary, Marshall, Lovett, Eclipse, Greenville, Champion England, Pride of Cumberland, Carrie, Clyde, Hall's Favorite, Lady Thomson, Bismarck, Cumberland, Seaford and some others at 50c. per 100, $2.00 per 1000; Nick Ohmer, $1.00 per 100, $4.00 per 1000; Pres. Lincoln, $1.00 per 100.

Asparagus Roots, strong, 2 year. Conover's, Colossal, Palmetto and Barr's Mammoth, $1.00 per 100; $4.00 per 1000.

10,000 Kansas (black) Raspberry, 75c per 100; $4.00 per 1000; $7.00 per 2000. Other Raspberries, Blackberries, etc., Peach and other fruit trees. For price list address

CHAS. BLACK, Hightstown, N. J.

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LETTUCE Boston Market, Tennis Ball, Curled Simpson, Grand Rapids, and other vars., 15c. per 100; $1.00 per 1000; $8.50 per 10,000; if by mail, add 10c. per 100.

TOMATO Small plants for transplanting, in several varieties, 15 cts. per 100; $1.00 per 1000.

PEPPER Small plants for transplanting, in several varieties. 25c. per 100; $2.00 per 1000. If by mail, add 10c. per 100.

EGG PLANTS New York Improved for transplanting, 25c. per 100, $2.00 per 1000.

CELERY Golden Self Blanching and White Plume, 15c. per 100, $1.00 per 1000

Other vegetable plants in season. Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.

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NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN

WILSON J. PETERS, Troy, O., President; D. S. LAKE, Shenandoah, Ia., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

Dansville, N. Y.—Richard W. Kennedy has made a general assignment for the benefit of his creditors. The liabilities are between $6,000 and $7,000. The assignee is James H. Baker, of Dansville.

East Moorestown, N. J.—A fire in the shipping warehouse of the Pleasant Valley Nurseries, Arthur J. Collins proprietor, on April 6, did damage to the extent of $15,000. Two mules were burned to death, and barns, dwelling and large quantities of nursery stock destroyed. There was $10,000 insurance on the buildings.

Nursery Stock for Canada.—The Canadian Minister of Agriculture has given notice in the House of Commons, at Ottawa, of a bill to amend the San José scale act by providing for the admission of nursery stock from the United States under certain restrictions and proper fumigation at some point or points in Canada.

Government Inspection of Nursery Stock.—A memorial has been presented by a committee of the American Association of Nurserymen and several scientists to Congress, praying for the passage of Bill S. 2571, providing for uniform laws regarding the importation and inspection of nursery stock. The memorial describes existing conditions, and adds:

The chief danger to the nursery interest of the country is that the different states have passed diverse laws, many of them very drastic in character, practically prohibitory, so that an honest nurseryman is unable to send clean nursery stock into many of the states; while a dishonest man, or a careless one, may freely send infested stock to other states which have not yet protected themselves by state laws. These difficulties can only be reached by a law governing interstate commerce, such as is now proposed. Moreover, aside from the actual damage which the insect has done in nurseries, the fact becoming known that a nursery has become infested with the scale has, in many cases, operated so severely as to entirely destroy the reputation and credit of the firm. From what has just been said the necessity for a uniform national law becomes apparent. The different

LARGE ELMS ALTHÆAS VIBURNUMS

And Other Ornamental Stock.
SEND FOR PRICE LIST.

SAMUEL C. MOON, Morrisville, Bucks Co., **Pa.**

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C. H. JOOSTEN, SPECIAL, Hardy Azaleas, Rhododendrons, Dwarf and Tree Roses, Crimson Ramblers, Hermosa, own roots, Spring Flowering Bulbs, Etc.

Catalogue on Application. **85 DEY STREET, NEW YORK.**

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requirements of state laws, and the entire lack of any law in certain states, has produced a condition intolerable to the nurseryman and of great danger to the orchardist. For example, a man shipping trees into Maryland requires one form of certificate; shipping into Virginia he requires yet another form under present regulations; while into other states, as Ohio, no form of certificate is required, thus making it the dumping ground for infested stock from all districts. Moreover, in New York the law prohibits sending infested stock outside the state, but does not prohibit its entrance. Such incongruities as these in state laws indicate most strongly the necessity for a uniform national law.

The memorial is signed by C. L. Watrous, Des Moines, Iowa, president American Pomological Society; Silas Wilson, Atlantic, Iowa, ex-president American Association of Nurserymen; N. H. Albaugh, nurseryman, Phoneton, Ohio; Thos. B. Meehan, Philadelphia, Pa., of Thos. Meehan & Sons; Wm. B. Alwood, Professor of Horticulture and Entomology, Blacksburg, Va.; F. M. Webster, Entomologist Ohio Agricultural Experiment Station, Wooster, Ohio; Irving Rouse, chairman Executive Committee Eastern Nurserymen's Association, and M. J. Daniels, Horticulturist, California.

The subscribers ask that all interested parties write their respective Congressmen, seeking their support to the passage of the bill.

The Colorado Floral Society has elected the following officers: J. C. Paddock, president; Mrs. L. Gordon, secretary; Mrs. Frank Lomeister, treasurer; A. O. Thomas, Mrs. Frank Lomeister and Mrs. Hall, Executive Committee.

LATANIA BORBONICA

4 inch pots	$2.50 per doz	$20.00 per 100.		
5 "	4.75	"	35.00	"
6 "	9.00	"	70.00	"
7 "	1.25 each, and fine specimen plants from $6.00 and upwards.			

Areca Lutescens, fine plants from $5.00 upwards.
Kentia Belmoreana and Forsteriana—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, well grown, from $2.50 and upwards.
Phœnix reclinata, 4 in. pots, 25c. each, $20 per 100; 5 in. pots, 40c. each, $35.00 per 100; 6 in. pots, 60c. each, $55.00 per 100; 7 in. pots, $1.25 each.
Phœnix Canariensis, Rupicola and Reclinata, fine specimen plants, from $3.00 to $5.00 each.
Cocos Weddeliana, from 2 in. pots, $1.50 per doz.

ASPARAGUS SPRENGERI 3 in. pots, $1.00 a doz. 5 in. pots, 25c. each.

JOHN BADER, Troy Hill, Allegheny, Pa.
L. D. TELEPHONE 872.
Mention the Florists' Exchange when writing.

FERNS. CORDATA COMPACTA
Fine Plants from bench, $2.00 per 100.
CASH.
H. P. SMITH, - - Piqua, Ohio.
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PALMS AND OTHER DECORATIVE PLANTS
At Greatly Reduced Prices.
Stock large and in fine condition.
Send for new Wholesale list. Special prices on large orders. Send in list of your wants.
W. J. HESSER, Plattsmouth, Neb.
Mention the Florists' Exchange when writing.

FANCY-LEAVED CALADIUMS

	10	100
Bulbs 1½ to 2½ inches in diameter, 15 to 25 varieties	$2.50	$20.00
Bulbs, 1 to 1¼ inches in diameter, 6 to 8 varieties	1.50	12.00

The first size will make grand specimen plants or stock bulbs. No larger or finer are in the market.

LATANIAS and PHŒNIX.

	100
Latanias, 4 inch pots, 2-3 characterized leaves	$20.00
Latanias, 5 inch pots, 4-5 characterized leaves	30.00
Phœnix Reclinata, Canariensis and Pumila, 15-16 inches	20.00
Phœnix Reclinata, Canariensis and Pumela, 20-24 inches	30.00

Not less than 50 at above rates.

GRAFTED ORANGES and LEMONS.

	10	100	1000
10 to 15 best varieties, 4 inch pots, 10-12 inches high	$2.50	$20.00	
10 to 15 best varieties, 4 inch pots, 15-18 inches high	3.50	30.00	
10 to 15 best varieties, 4 inch pots, 20-24 inches high	6.00		
1,000 Prairie Roses, very strong		$7.00	
1,000 Moss Roses, " "		7.00	
2,000 Hybrid Wichuraiana (Manda's),	5.00		$40.00

Quotations include packing.

P. J. BERCKMANS CO., Augusta, Ga.
Mention the Florists' Exchange when writing.

SMILAX.
From flats, by mail, 50 cts. per 100; $1.00 per 1000. From 2 in. pots, $1.50 per 100; $13.00 per 1000.
CANNA, large-flowering, mixed, $1.00 per 100.
FRED BOERNER, Cape May City, N. J.
Mention the Florists' Exchange when writing.

CHOICE YOUNG STOCK

	Inch	Dozen
Pandanus Utilis	3	$1.00
" Veitchii, fine color	3	3.00
Begonia Vernon, full of flower	3	.50
Nephrolepis Philippense	4	1.00
" Bostoniensis	4	1.00
Dracæna Indivisa, strong	4	2.00
" Latifolia	3	1.00
Pteris Deweyana, new	3	1.00

All ready to shift on at once.

JOHN H. LEY, Good Hope, WASHINGTON, D. C.
Mention the Florists' Exchange when writing.

BOSTON FERNS
N. Exaltata Bostoniensis.
Large plants, $6.00 to $20.00 per 100. Orders for small plants taken for June delivery.
—ALSO A FINE LOT OF—
Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 inch, $3.00 per doz.
Areca Lutescens, 50c. to $3.00 each.
Latanias, from 75c. to $3.00 each.
Asparagus Plumosus, $1.00 to $1.50 doz.
Asparagus Sprengeri, 3½ in. pots, $1.50 per doz.

WM. A. BOCK, No. Cambridge, Mass.
Unknown correspondents will send cash with orders. Connected with Telephone.
Mention the Florists' Exchange when writing.

NEPHROLEPIS WASHINGTONIENSIS.
Now is the time to start this giant among the Nephrolepi ferns, with proper treatment it will make fronds in one summer five to six feet long by 12 to 15 inches broad. They are very durable. The variety "erecta," five young plants, for $1.00, free by mail; 4 inch pot plants, 50 cts. each; larger ones from $1 to $5 each.

Palms for Easter Decorations.

Kentia Belmoreana, from 7 in. pots, 4½ ft. high, $3.00 each; 6 for $16.00.
Kentias, from 6 in. pots, $1.50 each.
Seaforthia Elegans, from 6 in. pots, 5 ft. high, $1.00 each; 6 for $5.00.
Seaforthias, from 5 in. pots, 60 cts. each.
Latanias, from 6 in. pots, 75 cts. each.
Latania Borbonica, from 7 in. pots, 2½ ft. high, broad, $1.00 each; 6 for $5.00.
Cocos Weddeliana, 3½ in. pots, 18 in. high, $2.50 per doz. **Areca Lutescens,** from 5 in. pots, 2 ft. high, $4.50 per doz.; 40 cts. each. **Marnata Zebrina,** 4 in. pots, $1.00 per doz. **Dracæna Indivisa,** large plants, from 6 in. pots, 50 cts. ea.

For other decorations or bedding plants see former advt's.

N. STUDER, ANACOSTIA, D. C.
Mention the Florists' Exchange when writing.

HEACOCK'S PALMS

Awarded Certificate of Merit, Penna. Horticultural Exhibition at Phila., March 21st, 1900, for Choice Areca Lutescens, Etc., Etc.



Choice ARECA LUTESCENS, KENTIA BELMOREANA, LATANIA BORBONICA and PHŒNIX RUPICOLA.

	Per doz.	Per 100
ARECA LUTESCENS—		
8 inch pot (3 plants), very bushy, 26 to 30 inches high		$2.00
8 inch pot (3 plants), very bushy, 30 to 36 inches high		2.50
14 inch pot (3 plants), very bushy, 7 to 8 feet high		20.00
KENTIA BELMOREANA—		
3 inch pots, 4 to 5 leaves, 10 to 12 inches	$3.00	$25.00
4 inch pots, 5 to 6 leaves, 15 to 18 inches	6.00	50.00
6 inch pots, 6 leaves, 20 to 24 inches	18.00	150.00

	Each
LATANIA BORBONICA—	
10 inch pots, 9 to 10 leaves, 30 to 36 inches high, 42 inches wide	$4.00
PHŒNIX RUPICOLA—	
8 inch, 24 inches high	2.00

My packing is done in the best possible manner, and shipping facilities for both freight and express are unsurpassed. **A Trial Order is Solicited.**

JOSEPH HEACOCK, Wyncote, Pa.
Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis
The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.
Mine is the Genuine Stock.
FRED. C. BECKER, Cambridge, Mass.
1730 CAMBRIDGE ST.
Mention the Florists' Exchange when writing.



Send for Our List of
Kentias, Latanias, Ficus,
Asparagus, Dracænas, etc. Azaleas for immediate sales, assorted colors, from 60 cts. to $2.50 each. Ask for our price list of Perpetuated Palms. Samples sent on request. Address
THE GEO. WITTBOLD CO., Chicago,
1708 N. Halsted Street.
Mention the Florists' Exchange when writing.

Palms, Ferns, Etc.

	100
Cocos Weddeliana, 2½ in	$ 7.00
" " 3 in	12.00
Phoenix Farinifera, paludos and pumila, in 2½ in	4.00
4 in. showing character	8.00
6 in. full character	20.00
Phoenix Reclinata, 2¼ in	5.00
Phoenix Rupicola, 2¼ in	5.00
Sago Palm (Cycas), fine stock, on a basis of 10c. per leaf, 5 to 30 leaves.	
Adiantum Fulvum, 2 in	2.50
Aspidium Tensimense, 2¼ in	3.00
Boston Fern, 2 in	3 00
Dicksonia Barometz, 2½ in	4.00
Dicksonia Cicutaria, 2½ in	4.00
These two Dicksonias are of great decorative value, strong growth and are very desirable.	
Pteris Serrulata Cristata, 2 in	2.50
Palm Grass, broad leaves, rapid growth, 2¼ in	3.00
Alocasia Batavienis, 2¼ in., fine	4.00
Alocasia Illustris, 2¼ in	3.00
Alocasia Javanicum, 2 in	3.00
Maranta Arundinacea, strong tubers	2,00
Sanseviera Zeylanica, true, 2¼ in. fine stock	3.00
Bananas, 3 sorts, tall and dwarf, medium roots	4.00
Bananas, strong roots for immediate effect	8.00
Asparagus Sprengeri, 2¼ in	3.00
Asparagus Sprengeri, 4 in	8.00
Asparagus Tenuissimus, 2¼ in	3.00
Arundo Donax Variegata, 2¼ in	3 00
" " 3 in	6.00
Eulalia Japonica Variegata, strong clumps	2.00
Eulalia Japonica Gracillima "	2.00
Yucca Gloriosa, 2¼ in., elegant	4.00
Grevillea Robusta, 3 in., fine	4.00
Cestrum Laurifolia, 2 in., elegant	2.50
Thunbergia Erecta, blue, 3¼ in	3.00
" " 3 in	5.00
Purple Crape Myrtle, 3 in	3.00
Pink Crape Myrtle, 4 in	4.00
Camphor Tree, 2¼ in	3.00
" " 3 in	4.00
Cattleya Guava Red, strong, 4 in	6.00
Downy Myrtle (Myrtle Tomentosa), fine fruiting shrub, 3 in	8.00
Magnolia Grandiflora, 2½ in	4.00
Yellow Opoponax, 2¼ in	3.00
White Opoponax, 3 in	4 00
Habrothamnus Coccinea, 2¼ in	3.00
Habrothamnus Elegans, 2¼ in	3.00
Hibiscus Southern Beauty, fine sort, 2¼ inch	8.00
Jasminum Gracillimum, 3 in	4.00
" Grandiflorum, 2¼ in	3.00
" Lucidum, 2½ in	3.00
" Maid of Orleans, 3 in	4.00
" Sambac, 2½ in	3.00
Justicia Coccinea, 2¼ in	2.50
Ruellia Formosa, 2 in	3.00
Weeping Lantana, 2¼ in	2.00
Aristolochia Grnithocephala, 2½ in	4.00
Cissus Discolor, 2¼ in	5.00
Honeysuckle Halleana and Red Coral, 2½ in	3.00
Thunbergia Fragrans, elegant, 2 in	2.50
Amaryllis Equestre, extra large	5.00
Amaryllis Normosissima, strong	3.00
Crinum Kirkii, strong	5.00
Crinums in great variety, fine stock.	
Butterfly Lily, strong tubers	3.00
Nymphæa Odorata Gigantea, strong	3.00
Nymphæa Odorata Rosea, strong	30.00
Egyptian Lotus, strong tubers	15.00
Water Poppy, good plants	3.60
Water Hyacinth, good plants	2.00

Above stock is in excellent condition and we deliver f. o. b. at prices named.

JESSAMINE GARDENS,
JESSAMINE, FLA.
Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

Thess Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

SITUATION, gardener or florist on private place' 15 years' experience, single. P. H., care Florists' Exchange.

SITUATION wanted by young man, one year's experience in greenhouses and driving. Henry Bauer, 385 East 10th st., New York.

GARDENER and florist, experienced, wants a position on a private or commercial place; good reference; total abstainer. P.V., care Florists' Exchange.

SITUATION wanted; expert propagator and grower of plants and cut flowers, 20 years' experience, married. Address P. L., care Florists' Exchange.

QUICK young man, German, 20, four years' experience in greenhouses, desires position in store, to learn decorating and designing. Box 471, Lakewood, N. J.

SITUATION wanted, a young man, age 22, 7 years' experience in asparagus, carnations, bedding plants and general stock, A1, up-to-date designer; please state wages. P. R., care Florists' Exchange.

FLORIST, first-class maker-up and decorator wants situation in store or commercial place; can produce first-class references. Address L., care of Mr. Hugo Book, College st., Worcester, Mass.

SITUATION wanted, by young lady, seven years' experience, good designer, to take charge of or as assistant in flower store; East preferred; best of references. Address P. O., care Florists' Exchange.

SITUATION wanted, by married man, thoroughly conversant with the florist business and capable of taking charge; 19 years' experience, last three years with J. N. May, in roses, carnations, 'mums, etc. C. Radzio, P. O. Box 429, Summit, N. J.

SITUATION wanted by the first of May, by a gardener used to work in greenhouse, with a florist around New York, has good recommendations from here and Europe, is sober and willing. Address, with particulars, S. Bertalam, 201 W. 127th street, New York.

WANTED—Situation as head gardener where several men are kept, or, position as grower in the trade where orchids and other stock are grown in quantities; no objection to travel; first-class testimonials from last and previous employers; 10 years with Sanders & Co., St. Albans, England; three years head gardener to Mrs. Fred. Ames, North Easton, Mass. Address C. Maynard, North Easton, Mass.

POSITION WANTED—BY RELIABLE man, as foreman, 15 years in the business; specialties: roses and carnations; good references; give full particulars with wages. Harry Donnelly, 1121 Main St., Pawtucket, R. I.

SITUATION WANTED—BY FIRST-class Eastern grower, born and brought up in the business; one year's experience West; carnations a specialty, A1 grower of roses, chrysanthemums, violets, bulbs, etc.; understands building, heating and all other branches; will take full charge or as working foreman, East or West; rapid worker, and strictly temperate; state particulars and wages. Address P. J., care Florists' Exchange.

HELP WANTED.

WANTED at once a good rose grower who can take charge of section of houses. R. Asmus, New Durham, N. J.

WANTED at once, good, bright, active young man, with some knowledge of bedding and general greenhouse work; wages $10 per week. Dummett, Mt. Vernon, N. Y.

WANTED.—A young man of good habits and not afraid of work to assist in general commercial place; wages $15 per month and board. Thomas Baroon, Florist, Johnstown, N. Y.

WANTED—Nursery foreman; permanent position for a man experienced in nursery business; state age, experience and salary required. V. A., Vanicek Nurseries, Newport, R. I.

WANTED, a good, honest, industrious, all-round man for greenhouse work, willing and obliging, not afraid or work, and strictly sober; state wages. Ray Brook Garden Co., Manchester, N. H.

WANTED at once, florists' clerk, maker-up and decorator, good address and character required, married man preferred; wages $12.00 per week, situation permanent. John Reck, Bridgeport, Conn.

WANTED—3 men with experience in care of lawns, flower beds and growing of bedding plants under glass, wages $45 to $50 per month and chance to advance, permanent. State age and experience. A. E. Wohlert, Landscape Gardener, Altoona, Pa.

Among the Magazines.

The Ladies' Home Journal, for May will contain an interesting story on the tulip craze in Holland.

Among the features of Scribner's Magazine for April, the animal story by Ernest Seton-Thompson, illustrated by him, will attract the large audience which has been fascinated by "Wild Animals I Have Known." In this story is given the life and adventures of a curious little animal of the Southwest, known as the Kangaroo Rat. The magazine contains, in addition to this story, a host of good things.

We beg to acknowledge receipt, from the Propaganda of Nitrate of Soda, through Dr. John A. Myers, 12 John street, New York City, of several most interesting pamphlets, showing the efficacious nature of nitrate of soda as a fertilizer for various crops. Copies of the pamphlets can be obtained, free, from the party named above.

Alexander Klokner, florist, has been appointed superintendent of the Milwaukee (Wis.) parks, at a salary of $1,500 a year. He will begin his duties April 15.

HELP WANTED.

WANTED—A SINGLE MAN TO ASSIST in greenhouses. Apply "Villa Lorraine Roseries," Madison, N. J.

WANTED—TWO YOUNG MEN FOR carnation and rose houses; state experience and wages wanted. F. Burki, Bellevue, Pa.

WANTED—A GOOD ALL-AROUND man for commercial place; must fully understand rose growing; references required. Address P. S., care Florists' Exchange.

WANTED — EXPERIENCED, RELIable and sober man as florist; wages $25 per month and board. Frank Manker, cor. Greenwood and Gravesend ave., Windsor Terrace, Brooklyn, N. Y.

WANTED—A FOREMAN, ONE WHO thoroughly understands rose growing, on a commercial place; state salary, experience and references. P. W., care Florists' Exchange.

MISCELLANEOUS WANTS.

WANTED—Rooted cuttings of hydrangeas, Montrosa, Thos. Hogg and Ramis Pictus; quote prices per 100, clean, healthy stock. Address Schmidt & Botley, Springfield, Ohio.

WANTED, discarded bench roses for fall delivery, Kaiserin, Meteor, La France, Perle, Bride, Maid (grafted plants preferred). Eastern growers only need apply. P. C., care Florists' Exchange.

WANTED—Nursery stock, 250 White Spruce, 3-3½ transplanted; 100 White Pine, 5-6 ft.; 200 Spiræa Rotundifolia, 3 ft.; 100 Spiræa Arguta, 3 ft.; 100 Gallum Boreale. V. A. Vanicek Nurseries, Newport, R. I.

BUSINESS OPPORTUNITIES.

FOR sale or rent cheap, greenhouses, 14,000 feet glass, well stocked for spring trade, also seven-room dwelling and barns, doing large retail trade with little competition, in growing town of 20,000 people; write for particulars. Address P. T., care Florists' Exchange.

MONOPOLY! A genuine bargain for a live wholesale grower; 15,000 sq. ft. glass (six houses), long established and favorably known; practically no competition in the cut flower specialties grown; eastern New England the market; sales limited by production only; 50 miles from Boston, in a very attractive town, grand rose and carnation soil, 50 acres tillage land; large slate-roof 12-room dwelling; hot-water heat, etc., etc. Large slate-roof barn, carriage house, carpenter shop, etc. All in good condition and to be sold with contents, live stock, etc. A beautiful estate and a money maker. Easy terms. Price greatly reduced. Send for descriptive and illustrated booklet. O. T., care Florists' Exchange.

FOR SALE—240 ACRES OF LAND ON Isthmus of Tehauntepec, State of Vera Cruz, Mexico. For full particulars write Roland Hughes, 846 New York Life Building, Kansas City, Mo.

MISCELLANEOUS.

ON ACCOUNT of removal, must sell before May 1, bevel edge mirror and glass front ice box, 15-foot counter, zinc top, both white enamel, and large sign. F. J. Bernstein, Third avenue, corner 68th street, New York.

Philadelphia.

Easter Indications.

All indications now point to a very large Easter business. Up to Thursday morning sales of plants were well in advance of last year. Crimson Rambler roses, in the medium sizes have, so far, sold very quickly. Azaleas in the $3 and $4 sizes have also been good sellers. Lilies are being disposed of by the department stores at 15c. per flower; the florists are asking 25c. The wholesale price of lilies has been 10c., 12c. and 13c. per flower; a few cases are reported where a lower figure was paid. Most of the lilies are in good condition; only a few lots are reported as too far advanced, and there is sufficient for all demands. Very few plants are left in the growers' hands, all having sold out well. The weather has been good for hauling flowering plants, and sales at wholesale have been very satisfactory, most of the growers being sold out.

Cut flower business was not brisk during the early days of the past week. There does not appear to be any scarcity now, only in white roses, and these have been in good demand all week. Carnations have also been largely called for, but present indications are that there will be plenty of flowers on Friday.

D Landreth & Sons have turned their large seed store, at Tenth and Market streets, into a florist's store for this week, and have a grand display of flowering plants. The large show windows give every opportunity for display, and on Thursday morning the firm were already doing a large business; in fact, they had to send duplicate orders for many things. Here were noticed some 6-inch pots of herbaceous phlox, well flowered, about 20 inches in height. These were grown by Albert Wollemate, and were in demand. The firm also had a fine lot of lilies, many plants having 7 to 9 flowers. Hyacinths in 6-inch pans, three bulbs to a pan, were also in favor and sold readily.

Westcott's Laurel Hill Nurseries have the best lot of hyacinths seen this year—large heads and all in good condition. They have all been brought into flower in cold frames, without any heat, and so will give satisfaction. Lilies are also good here, longiflorum being grown exclusively. Many old-time favorite flowers are seen on this place.—daisies in pans, both white and red; also pans of pansies, and batches of white and yellow marguerites. Spiræas are done well, and form good bushy plants. Hydrangeas are grown in small sizes, about three flowers, for their retail trade.

DAVID RUST.

KOKOMO, IND.—W. W. Coles is upholding his reputation with Kaiserin, but has about decided to plant new stock, as after a continuous cropping for eight years the rose shows signs of weakening. He grows his young stock of roses and carnations in pots, making stronger plants. A fine crop of Beauty was in for Easter.

DANVILLE, ILL.—John Willius has charge of the grounds at the Soldiers' Home, and promises to give some excellent landscape work, covering 300 acres, including ravines and 16 acres of lake, which will be planted with aquatics and the like. His own business is ably conducted by Mrs. Willius, who was putting the finishing touch upon a fine "gates ajar" at time of my visit. W. M.

"Jack, here's a florist advertises bachelor buttons. What are they?"

"Pins, I guess."—Success with Flowers.



New York.—Monday afternoon the undernoted scores were rolled:

	1	2	3
F. Traendly	154	147	136
J. Thielman	177	166	141
L. Hafner	142	152	120
J. Roehrs	142	152	138
A. Small	135	163	145
J. Manda	118	122	..
W. Moody	116	122	..
F. L. Atkins	147	128	..
A. S. Burns	148	..	..
J. A. Shaw	103	..	..
J. I. Donlan	185	..	..

Chicago.—The first four games were played at Hanson's Alley by eight of the Chicago team with the following respectable scores. It will be seen the Chicagoans mean business; so the team from the other side of the bridge may govern themselves accordingly.

	1	2	3	4
Balluff	186	165	227	169
G. Stollery	191	161	141	154
Hughes	168	141	170	124
Kreitling	128	110	123	122
Degnan	191	146	144	119
Winterson	145	165	118	180
Hauswirth	123	170	188	170
F. Stollery	157	163	165	136
Asmus	176	167	142	227

St. Louis.—There was a small attendance on the alleys Monday last; the most of the boys are too busy to bowl. Following are the scores:

	1	2	3	4	5
C. A. Keuhn	148	227	164	168	151
J. Kunz	137	142	160	..	..
John Young	169	163	112	153	116

Denver, Col.—The following scores were rolled by Denver bowlers Tuesday, April 3:

	1	2	3
P. Scott	159	189	194
Berry	152	202	206
Ch. Tnies	157	119	190
Zimmer	151	166	119
Emerick	129	155	135
Fietz	118	118	141
Benson	113	167	164
Valentine	..	166	165

Philadelphia.—Following are the bowling averages for March:

	Games.	Total.	Av.
1. Hamilton	16	2,544	169
2. Johnson	107	17,991	168
3. Harris	87	13,884	159
4. Brown	23	3,651	158
5. Moss	43	6,799	158
6. Connor	40	6,305	157
7. Westcott	90	13 898	154
8. Archer	45	6,919	153
9. Kuesiner	37	5,629	152
10. Peterson	14	2,131	152
11. Smith	48	7,179	149
12. Moore	12	1,799	149
13. Walker	27	3,936	145
14. Allen	92	13,331	144
15. Scott	24	3,475	144
16. Gibson	36	5,189	144
17. Anderson	17	2,387	140
18. Starr	18	2,470	137
19. Kift	25	3,428	137
20. Kieule	16	2,034	135
21. Eisenbrey	13	1,716	132
22. Bonsall	52	6,773	130
23. Lamb	11	1,432	130
24. Reber	20	2,567	128
25. Watson	61	7,767	127
26. G. Craig	16	2,018	126
27. Hallowell	15	1,837	122
28. Barnes	19	2,261	119
29. Burton	13	1,533	117
30. Erinerman	60	6,737	112
31. T. C. Brown	52	5,670	109
32. McKarraher	24	2,584	107
33. Turney	34	3,599	105
34. Barrett	43	3,752	87

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A complete text-book and guide to the care, cultivation and propagation of all plants in the garden and the home.

The volume is written by a woman for women, in plain, concise language, easily understood, and the book has the special merit of giving directions which can be readily followed, the methods prescribed being of the simplest, and the material suggested to be used easily within reach of all.

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To Retail Florists. The old thought, that it was dangerous for a customer to know much about the care of plants, has passed away, being superseded by the newer and more intelligent one, viz.: that the more successful a customer is with plants, the greater quantity will he or she buy.

We offer Special Inducements to all who wish to handle this book. It is a good seller. For particulars, address

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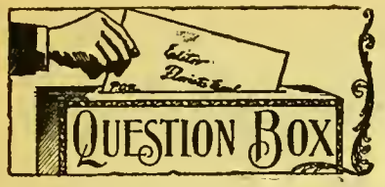

(87) **Plant for Identification.**—C. C. Pettit.—Lithospermum angustifolium, Michx.

(88) **Annuals for Beds and Borders.**—V. R.—Among the best annuals for present and later sowing the following can be recommended: Sweet alyssum, antirrhinum, asters in variety, balsams, campanula, candytuft, clarkia, cornflower, gaillardia, godetia, helichrysum, honesty, lobelia, lupin, marigold, coreopsis, Marvel of Peru, mignonette, nasturtium, nemophila, petunia, Phlox Drummondii, poppy, salpiglossis, stocks, weet peas and zinnias.

(89) **Soil for Violets.**—I would like to know something about the soil for violets. I have an old pond, the dam of which bursted about two years ago, and there are about 2 feet of black dirt in the bottom. Now, if this was taken out and piled in a heap would it be good soil for violets?—E. A. P.

—Violets grow best in fresh, sweet loam with manure applied in rather limited quantity. The soil from the bottom of an old pond would be totally unfit for use until it had been exposed to the weather for a year at least.

(90) **Asters.**—I will have a house vacant at the end of this month. It is a sash house 10 feet wide, with two solid beds. I want to use it from 1st of August on for mignonette. Can I raise in the interval a crop of asters in said house, and will they be done flowering in mid-July? The variety is Giant Comet. The seedlings have their second pair of leaves and have been once transplanted. —READER.

—Keep the young aster plants growing right along until they can be planted on the benches. See that no check is given to them when the planting is done, and the crop can be got from them before the 1st of August. The sash will probably have to be taken off the house during the latter part of June and the following month.

(91) **Mushrooms.**—Can mushrooms be grown in a cool barn during the Summer months, and would it be a profitable venture? What I mean is: Is there a sale for them at a fair price during July, August, September and October? Can manure be gathered and held from April until October if kept in a dry place, and then be suitable for mushroom culture? —M. F. H.

—Mushrooms can easily be grown in a barn during the Summer months, but they would hardly be profitable during that period, as they spoil in a few hours in warm weather and cannot be handled satisfactorily. If the manure can be spread out thinly, so that no heating of the same takes place, it will keep a long time and make good material for mushroom beds. Should it once get heated, however, its usefulness for that purpose is ended. We think it can be kept till October, provided it is placed in an open shed and dried thoroughly without being heated. Outdoors the rains would start the heat in it, and it could not be kept that length of time.

Firms Who Are Building.

WHITMAN, MASS.—Robert Moir has completed another greenhouse.

LAWRENCE, MASS.—Edward Flynn is renovating the Flynn Greenhouses on Essex street.

WEST HANOVER, MASS.—Alpheus Packard is making preparations to build a large addition to his greenhouse establishment.

FIRES.

POUGHKEEPSIE, N. Y.—Fire on Sunday morning, April 8, destroyed eight greenhouses owned by Murphy & Schaumberg on North street. The damage is about $8,000.

CHANGES IN BUSINESS.

MIDDLETOWN, CONN.—The new greenhouses of H. C. Beebe, 70 Ferry street, were opened to the public, April 9.

SKOWHEGAN, ME.—C. A. Leighton has opened a store in Augusta, Me.

WILLIMANTIC, CONN.—John J. Leonard has resigned his position in a local drug store and will devote his attention to his greenhouse business.

BABYLON, L. I.—G. W. Keyser has opened a store here as a branch of his greenhouse establishment at West Babylon.

Watertown, N. Y.

Greene & Underhill have filed with the City Clerk a claim for $1,500 damages, caused by their greenhouses being flooded by the overflow of a street sewer February 9 and 13.

MOON VINES

Smith's Hybrid Moon Vines, the best and earliest white Moon Vine in the country; flowers pure white, seven inches across, at the rate of **$5.00 per 100.**

CASH WITH ORDER, PLEASE.

GODFREY ASCHMANN, Philadelphia, Pa.
1012 Ontario St., Rising Sun.
Mention the Florists' Exchange when writing

Smilax Plants.

Extra Strong Plants out of 2½-inch pots, $2.50 per 100. Cash with order.

WILLIAM SCHWEINFURTH,
Ridgewood, N. J.
Mention the Florists' Exchange when writing.

PANSIES Funkia, Fulalia, Mist.
See needs and exchange offer in previous issues.
Good, strong, field-grown **Pansies,** in large variety, commenced flowering in September, per 1000, $12.00; in October, per 1000, $10.00; for May and June flowering, per 1000, $8.00. Strong seed bed Pansies, $3.50 per 1000. **Eulalia Striata,** $2 per 100. **Mist,** $5 per 100. **Funkia Lancifolia,** $2.00 per 100; $15.00 per 1000. Cash With Order, Please.
W. C. JENNISON, Natick, Mass.
Mention the Florists' Exchange when writing.

PANSIES
The Jennings Strain.
Extra fine stocky plants from cold frames, in bud and bloom, **$1.50 per 100; $13.00 per 1000.**
Cash with order.
E. B. JENNINGS, Lock Box, 254. **Southport, Conn.**
Grower of the finest Pansies.
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PANSIES
A superior strain, from cold frames, large transplanted plants, showing bud.
50 cts. per 100; $3.50 per 1000.
GERANIUMS S. A. Nutt, Geo. Grant, E. G. Hill, La Favorite, $6.00 per 100.
WHITTON & SONS, Wholesale Florists,
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Pansies Worth Raising
Good Plants, $4.00 per 1000; $2.50 per 500.
Extra Large Transplanted Plants in bloom, as good as in spring, $2.50 per 100.
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FLORISTS' ORCHIDS { SANDER ST. ALBANS, ENGLAND AND BRUGES, BELGIUM.
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A. DIMMOCK, our representative, is now in the U. S. and will be pleased to reply to any communications addressed to **60 Vesey Street, New York.** Lists on application.
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We are headquarters in the United States for established and imported Orchids.
Our new price list for 1900 is now ready.
Cherry Wood Baskets, Fresh Moss and Peat.
LAGER & HURRELL,
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Orchids.

The Koffman Collection of Orchids to be sold in order to liquidate the business. The largest and most valuable collection of Orchids in the world.

Cattleyas, Cypripediums, Dendrobiums, Cœlogynes and other rare varieties.

Exquisite specimens of

Cattleya Trianæ, Gigas, Percivaliana, Mossiæ, Wardianum and others.

Cypripedium Bellatulum, Insigne, Lawrenceanum, Harrisianum, Masseanum, Spicerianum and others, unique and of great beauty.

They will be sold in whole or in part, with or without the lease of the greenhouse at Walden, Orange County, N. Y. Call or address J. B. BLOOMINGDALE, 78 5TH AV., NEW YORK.
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Cash.
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Send 50c. or $1 For Samples And Prices Of
ROSES You may want this Spring. American Beauties, Brides, Maids, Perles, Kaiserins, Wootton's, La France, Belle Siebrecht, Golden Gate.
We believe in shifting Young Roses often. All stock offered in 2½ inch pots has been shifted from 2 inch and is equal to most stock advertised as 3 inch and when we send it out is well established.
Write GEO. A. KUHL, Pekin, Illinois.
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ARAUCARIA EXCELSA
2½ inch pots, 2 to 3 tiers.....$16.00 per 100
3 inch pots, 6 to 8 inches, 3 tiers ..... 20 00 "
GREVILLEA ROBUSTA.
2 inch pots, 6 inches high .....$3.00 per 100
ARECA SAPIDA.
2 inch pots .....$4.00 per 100
F. LUDEMANN, Pacific Nursery, **San Francisco, Cal.**
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Dracaena Indivisa

	Per 100
3 inch, $3.00 per 100.	
Cobæa Scandens, 2 inch	$2 00
Fuchsias, in variety, 3 inch	4 00
Abutilons, in variety, 2 inch	2 50
Double Petunias, in var., 3½ inch, in bud	2 50
Baby Primrose, 2 inch, strong	3 00
Moon Vines, Smith's Hybrid, White and Heavenly Blue	2 00
Salvia Splendens and Bedman, 2 in.	2 00

Cash With Order, Please.
GEORGE J. HUGHES, - Berlin, N. J.
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VERBENA KING.



Verbenas, rooted cuttings, 60c. per 100; $5.00 per 1000; $22.00 per 5000. 2 in. fine plants, $2 00 per 100; $18.00 per 1000.
Ageratum, Lady Isabel and Cope's Pet, 60c. per 100; $5.00 per 1000.
60,000 Carnations
Special low prices to move them quick.

	100	1000
Flora Hill	$1 25	$10.00
Morello	1 25	10.00
M'y'r Pingree	1.25	10.00
Daybreak	1.25	10.00
Wm. Scott	1.00	7 00
McGowan	1.00	7.00

30,000 Violet, runners, California, $1 00 per 100; $8.00 per 1000.
20,000 Smilax, fine 2 inch plants, $1.25 per 100; $10.00 per 1000.
Daisies, California and Yellow Castle, $1.00 per 100; $9.00 per 1000; 2 inch, $2.00 per 100.
Heliotrope, 10 best varieties, $1.00 per 100; $8.00 per 1000. Fine 2 inch plants, $2.00 per 100; $18.00 per 1000.
Express paid on all rooted cuttings and satisfaction guaranteed; for that cash, please.
C. HUMFELD,
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The Following Varieties at $3.00 per hundred or $27.50 per thousand; 25 at hundred rates, 250 at thousand rates, 50c. per doz.

Augustine Halem
Bertha Clavel
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Crown Princess Victoria
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Duchess Marie Salviati
Devoniensis
Duke of York
Empress Eugene
Empress of China
Enchantress
Francois Dubreuil
Golden Gate
Helen Cambier
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Mme. Welche
Mme. Abel de Chatney
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Miss Edith Gifford
Mrs. Robert Garrett
Muriel Graham
Princess Alice de Monaco
Princess Venosa
Pierre Guillott
Perle des Jardins
Papa Gontier
Rainbow
Royal Cluster
Reine Marie Henrietta
Sunset
Sombreuil
Souv. de La Malmaison
Souv. de Pres. Carnot
Souv. de Jeanne Cabaud
Souv. de Catherine Guillott
Souv. de Mme. Eugene Verdier
Sylph
Santa Rosa
Striped La France
Solfaterre
Triumph de Pernet Pere
Viscountess Folkstone
White Maman Cochet
White La France
W. A. Richardson
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White Bougere
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The Following Varieties at $2.50 per hundred, $22.50 per thousand; 25 at hundred rates, 250 at thousand rates, 40c. per doz.

Aline Sisley
Antoine Verdier
Adam
Andre Schwartz
Anna Olivier
Agrippina
Apolline
Alba Rosea
Archduke Charles
America
Alister Stella Gray
Bon Silene
Bridesmaid
Beauty of Stapleford
Beauty of Greenmount
Bougere
Baltimore Belle
Bennett's Seedling
Clothilde Soupert
Catherine Mermet
Cloth of Gold
Comtesse de Erigneuse
Cornelia Cook
Chas. Legrady
Countess Eva Starhemburg
Clarie Carnot
Carmine Pillar
Canary
Chas. Rovolli
Coquette de Lyon
Comtesse Riza du Parc
Dr. Reymont
Dr. Grill
Duchess de Brabant
Duchess de Thuringe
Ernst Metz
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Edouard Lettaye
Enfant de Lyon
Fortune's Double Yellow
General Tartas
General R. E. Lee
Golden Chain
Henry M. Stanley
Homer
Isabella Sprunt
Joseph Metral
Jules Finger
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Leonie Osterreith
La Princess Vera
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Marie Ducher
Mosella
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Mlle. C. Berthod
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Ophelia
Purple China
Pink Soupert
Princess Hohenzollern
Pink Rambler
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Cannas, in 10 leading sorts	50	4 00
Carex Japonica Variegata	40	2 50
Cestrum, Night blooming Jasmine	40	2 50
Cyclamen Persicum	40	2 50
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Dracæna Indivisa, 2½-inch pots	50	3 50
Ficus Elastica Belgica, 12 in. high	3 00	22 50
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Ferns, compacta, exaltata and climbing	50	3 50
Genista Canariensis	40	2 50
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Honeysuckles, best varieties	40	2 50
Jasmines, all leading kinds	50	3 50
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Insertion will be given in this column to all communications free from animus, but the opinions expressed do not necessarily reflect our own.

Greenhouse Heating by Steam.

Editor Florists' Exchange.

In answer to question (43) asked by Subscriber, the economy of low pressure steam over higher pressure was shown. Only a part of the maximum economy in steam heating, however, was demonstrated. The maximum economy in steam heating depends upon the piping, i. e., directional, size and manner of making connections, as the party of the first part, and upon the construction of the boiler as party of the second part. In the piping lies the entire duty of the boiler; and in the boiler lies the duty of the florist, or fireman, with the additional duty required to get circulation (and this is quite an item of useless or wasted labor caused by improper piping). The turning on and shutting off of circulation properly belongs to "care of greenhouse," as does ventilation, watering, etc., but the extra labor of getting a line or lines started banks up against heating expenses, as it can be entirely wasted or unnecessary labor.

The following facts may help to show the economy of the first part, or the duty of the boiler: One pound of water evaporated (by the boiler) at 212 degrees from a temperature of 32 degrees requires about 1,146 heat units to do it; and will fill about 4,400 feet lineal of 1-inch piping (about 1,500 square feet of radiation), and has a latent heat of about 965 degrees. At 15 pounds pressure (250 degrees of heat) one pound of water evaporated by the boiler requires about 1,157 heat units, and has a latent heat of 937 degrees, and will fill about 2,236 feet lineal of 1-inch piping (or about 750 square feet of radiation). One pound of coal contains from 5,000 to 10,000 heat units—an equivalent to the evaporation of from 7 to 14 pounds of water at 212 degrees, or about the same amount at any pressure. If 1-inch piping is properly laid and connections mechanically made (not guess work), steam at 212 degrees, or gauge just showing pressure, will obtain a good circulation in 1,500 square feet of radiation to one pound of water evaporated; and at 15 pounds pressure (250 degrees), with or in same piping, a circulation will obtain of 750 square feet of radiation, or just half that of 212 degrees.

One-inch piping is about the smallest size of pipe (economically figuring) to use, either for steam or water heating; but ¾-inch pipe can be used as single lines (if you know how) returning, and, of course, obtains over an 1¼-inch or larger pipe in less cubic inches of steam or water necessary to fill the pipe; 1,500 square feet of radiation in 1-inch pipe or cast radiators requires about 190 gallons of water or steam (at any pressure) to fill it, and in larger pipe capacity the area increases in proportion to the radiation, as 1,500 of radiation in 2-inch pipe requires about 415 gallons of water or steam (at any pressure) to fill it—nearly three times over 1-inch pipe of same radiation.

The economy of the second part then of the boiler construction is beyond the control of the florist or fireman, except as regards the fact of firing (anybody can waste fuel); and the construction of a heating boiler is a matter of close mechanical calculation. There is probably not a single heating boiler (water or steam) in use to-day that ever approaches the maximum economy possible. All the power boilers, tubular, locomotive or upright, are far from being economical slow combustion boilers, and specially in using bituminous coal, and are simply coal eaters, as there is not a single line in their construction following on economical mechanical rule. And the other class of boiler lacks power on small quantities of coal, and burns fuel with poor results or effect, but with the present type of boilers and systems of piping used the maximum economy in either water or steam heating cannot be reached by low pressure steam or open tank water heating. It can be modified by the piping so as to relieve the boiler; but a coal eater does not change its skin.

A. T. HOYT.

We submitted the whole of the correspondence in this matter to Professor R. C. Carpenter, Department of Experimental Engineering, of Sibley College, Cornell University, and subjoin his views on the subject:

I have read with a good deal of interest the various principles set forth in the discussion relating to the use of high and low pressure steam. Some of the reasons stated rest on what is to me novel ground. For instance, I see little or no relation to the question in the amount of pipe that will be filled by a pound of steam at different pressures. The velocity of circulation seems entirely to have been ignored in treating of the subject from this standpoint, and this will have much to do with the question.

From a theoretical standpoint there is no reason why high-pressure steam is not equally as efficient as low pressure for heating purposes, it being noted that all the heat taken up by the steam is given out in warming the room. From this it follows that if the steam is hotter and denser a less volume is needed for warming the room.

Practically, however I believe that better results will be obtained with low pressure steam, as the apparatus is more easily handled, and accidents are less likely to occur. The size of pipes can be less as the steam pressure is higher, but in best practice pipes smaller than 1-inch diameter are not used; and I usually prefer to employ even larger sizes. Smaller pipe will work and often give good results, but they are more likely to become stopped and to cause trouble by water, however.

I would merely add that I know from actual test that low pressure boilers are more likely to be economical than high pressure ones, despite the opinion so ably presented. R. C. CARPENTER.

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Baby Primrose, 2½ in. in bloom, $3.00 per 100; $25.00 per 1000.
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Fern N. Cordata Compacta, 2½ in., $4.00 per 100.
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THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

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P. O. Box, 1697. Telephone 1854 John.

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The Indiana Horticultural Society is offering premiums for the most artistically laid out and suitably planted rural school grounds.

The San José scale act has been repealed by the Dominion Government, to the extent of allowing importation of rose plants grown under glass from the United States. Strong representations were made by the trade in Canada, with the above result.

The St. Paul Dispatch of April 7 contains an illustrated article on the establishment of August Swanson. He has 16 greenhouses with 40,000 square feet of glass; one store in St. Paul, and another in Minneapolis.

A Chance For the Young Man.

That the series of competitions inaugurated by the FLORISTS' EXCHANGE, on behalf of the young men employees of the craft, is creating widespread interest and enthusiasm, is evidenced by the number of papers submitted, from widely separated localities.

In the contest treating upon the subject, "What I Learned During My First Two Years in the Florists' Business," we have much pleasure in announcing as the winner:

JAMES A. LAKE,
68 School street,
Concord, N. H.

Mr. Lake's paper, although showing that some part of his first two years had been spent in acquiring a knowledge of work that may or may not be considered as pertaining to the florist's trade proper, yet so thorough has been his grounding in the latter, and so closely allied is the cultivation of flowers to vegetables and fruits under glass, that whatever is learned in one is not lost in the pursuit of the other; and his paper showed such a complete grasp of the essentials for success in both, that the judges considered it deserving of first honors, which it has been accordingly awarded.

Our next subject of competition will be:

What benefits have I received and pointers obtained from my visits to other greenhouse establishments and the flower shows?

PRIZE—$1 worth of books or magazines; or $3 in cash.

CONDITIONS.

(1) Each MS. submitted must be written by an employee, without assistance, and the authenticity of these facts attested by the employer.

(2) No employee now contributing, or who has at any time contributed to any florist trade journal, will be allowed to compete.

MSS. must not exceed one thousand words in length.

All MSS. submitted in this competition to become the property of the publishers of the FLORISTS' EXCHANGE.

The awarding of the prize will be based on the amount of the practical knowledge acquired by the writer as exemplified in his paper.

Competition will close May 7 next.

Write plainly on one side of the paper only.

Address all communications,

EMPLOYEES' COMPETITION, FLORISTS' EXCHANGE,
P. O. Box 1697, New York City.

Government Free Seeds.

The agricultural appropriation bill passed the House this week, substantially as reported. Its provisions include an additional allowance of $40,000 for free seed distribution, granted upon the petition of 225 members of the House. This means a total appropriation of $170,000. Sixty years ago only $1,000 were appropriated by Congress for the purchase of "rare, valuable, and improved seeds, not common to the country, to be distributed for experimental purposes among intelligent gardeners and farmers, with instructions to report their individual successes in the cultivation thereof."

Truly the appropriation has grown commensurate with the importance of the agricultural interests of the country, as these present themselves to the minds of those who have so truly the welfare of the farmer at heart—our generous Congressmen! And the end is not yet.

Relief from this imposition can never be expected so long as the American people return men to Congress who willfully vote for this useless sacrifice of public funds and seedsmen are found ready to carry out the wishes of those who so wantonly squander the people's money.

We beg to acknowledge receipt, from Secretary John Hall, of Rochester, N. Y., of a copy of the Proceedings of the 45th Annual Meeting of the Western New York Horticultural Society, held January 24 and 25, 1900. The pamphlet is, as usual, replete with information useful to nurserymen and fruit growers.

A New York Society of Horticulture.

A call signed by Dr. Hexamer, President of the Farmers' Club of the American Institute, Dr. N. L. Britton, Director-in-Chief of the New York Botanical Garden, and James W. Withers, of American Gardening, has been issued, for a meeting to be held in the Museum Building of the New York Botanical Garden, Bronx Park, on Saturday afternoon, April 21 next, at 2:30 o'clock, for the purpose of organizing a "New York Society of Horticulture."

Since the demise of the New York Horticultural Society over a decade ago, the metropolis has been practically without any representative horticultural association that welcomed the amateur proper to its ranks. True, the American Institute, which has been struggling faithfully for years to create an interest by the New York public in matters horticultural, recently established a section wholly devoted thereto, and organized flower shows and provided lectures, with a view to stimulating enthusiasm in its work. These, however, can hardly be said to have been great successes, and the fact that the subscribers to the present call are all associated with that section of the Institute, would seem to stamp their previous praiseworthy efforts as failures, or at least no generally satisfactory essays, and indicate that a society formulated on some basis different to any now existing was necessary to the desired end.

The recent rose show has certainly done much to create a renewed interest in horticultural matters among the better class of the citizens of New York, and the promoters of the society now sought to be organized would seem to have selected an opportune time to obtain support to their scheme, before the enthusiasm has entirely subsided.

It is needless to remark that the furtherance of the object in view should receive the hearty co-operation of the trade. Whatever makes for the welfare of horticulture, tends to the individual benefit of every one engaged therein, and is therefore deserving of their assistance. There can be no question that our business in New York and vicinity is suffering from the lack of the advantages possessed by our sister cities of Boston and Philadelphia, in the matter of horticultural societies and suitable accommodation owned by such bodies, for the displays, from time to time, of our products. We have got in the midst of us no less a flower and plant-loving people than is the happy and fortunate possession of neighboring cities. Our wealthy classes are not one whit less public-spirited than those that exist elsewhere. It almost seems that the drawbacks under which we labor, along the lines mentioned, are largely the result of the trade's own inertness, and lack of that spirit of enterprise which is the one great essential to progress. The first city of the empire has been without its annual flower show for some years, mostly owing to the fact that horticulture has no home of its own in our great city, wherein its highest triumphs could be displayed. Yet that has not aroused sufficiently those who should be most vitally interested to the crying need of the hour, and we continue to drift from pillar to post.

It is to be sincerely hoped that the promoters of the "New York Society of Horticulture" will succeed in enlisting for their movement the sympathy and support of public-spirited men and women, backed by the horticultural interests of the greater city, whose enthusiasm shall rear somewhere within our borders, a structure that Horticulture can call her own, worthy of the ennobling and elevating influences on the great public that she exerts, and characteristic of that liberality and interest in the general weal of its citizens, virtues in which New York leads the world.

Pioneer American Nurserymen.

One of the best reviews of the early nursery business is that in the paper read by James Wood, president of the Eastern New York Horticultural Society, at the recent meeting of that association held in New York City. He said:

It is stated that as early as 1660 a number of Huguenots came to Flushing on Long Island, and that by 1687, following the revocation of the Edict of Nantes, the number had become considerable. They introduced the industry of horticulture, for which the town has ever since been famous. It is probable that their success in this industry attracted the attention of William Prince, and led him to establish there the first commercial nursery in America, which made Flushing the original center from which the extended cultivation of fruit in America may be said to have sprung. Prince's Nursery was established in 1737, and continued in the management of the family for over a century. From it the grafted trees for nearly all the original orchards of apples, pears, and cherries of some of the New England States, and all of New York and New Jersey, were obtained. It was called the Linnean Botanic Gardens. When the British took possession of Long Island during the Revolutionary War, Gen. How placed a guard at the nurseries to protect them from injury. The war so destroyed the demand for trees that Mr. Prince sold over 10,000 grafted cherry trees for hoop poles.

It would be interesting to compute, if it were possible, the production of those pioneer trees sent out from Flushing. Rhode Island Greening trees in great vigor and unstinted fruitfulness are still standing upon my own farm in Westchester County, where they were planted more than one hundred years ago. The Fall Pippins, Esopus, Spitzenburgs and Vandeveres, that were their early companions, have long since passed away. Some excellent varieties were sent out from Flushing that have not been generally grown, because they were not profitable for market. A striking example of this is the Golden Pippin, unsurpassed in quality and without an equal for flavor, when at its best, but because the fruit is frequently knotty and ill-formed, it has never been known, so far as I can learn, outside of Westchester County, and all that have been grown there were grown from grafts taken from Flushing stock in my ancestor's orchards.

But Prince's Nurseries did more than grow trees—they trained men. It was the school in which some gained the practical knowledge which qualified them to become very prominent and important in this line of business. Conspicuous among these were Patrick Barry, who, after intelligent employment at Prince's, took payment in nursery stock for a portion of the amount due him, and, uniting with Mr. Ellwanger, established in 1838 that unequaled nursery at Rochester, which has achieved such a world-wide reputation. There were others at Prince's Nurseries who became noted as nurserymen. Nurseries are the active agents by which improved fruits are almost exclusively disseminated. About 1795 the Prince Nurseries were divided, William Prince, the son of the founder, taking the "Linnean Botanic Nursery," and Benjamin Prince "The Old American Nursery." The Bloodgood Nurseries were established at Flushing in 1790. These have had several proprietors in succeeding years, and have had a peculiar reputation, because the pear trees planted about Boston were chiefly furnished from them.

There are no more conspicuous names in the history of American horticulture and pomology than those of Charles and Andrew Jackson Downing, of Newburg. They were the second and the fifth child, respectively, of Samuel Downing, who removed from Cambridge, Mass., to Newburg, near the beginning of this century, and began the nursery business there in 1810. He died in 1822, when these sons succeeded to the business. As the editor of the Horticulturist, Andrew became the recognized leader in American horticulture and pomology, and the father of American landscape gardening. His great ability and charming style as a writer and his enthusiasm for these arts created an interest in the public mind that resulted in the phenomenal development to which we have referred. In this respect his position is entirely unique. Charles gave more practical attention to the nursery business, and also, after his brother's death in 1858, edited editions of "Downing's Fruits and Fruit Trees of America," which first appeared in 1845.

The demand for fruit trees and horti-

cultural plants resulting from the growth of the country and the interest aroused by such writers as A. J. Downing, Jesse Buel, Luther Tucker and J. J. Thomas, was met by numerous nurseries, some of them of large size, which soon sprang into existence. The Hooker Nurseries at Rochester were founded by a farmer proprietor in 1830, and that of Ellwanger & Barry and that of Parsons & Co., at Flushing, in 1838. A. Saul & Co. became the successors to the Downings at Newburg in 1847. T. C. Maxwell & Brothers, at Geneva, and A. Frost & Co., of Rochester, started in 1848. Other establishments, chiefly in the center and western portions of the state, rapidly followed.

American vs. German Red Clover Seed.

A great deal of interest has been aroused of late years by the intense hostility displayed in Europe against American clover seed. This hostility has been especially marked in some parts of Germany and in Austria. In the latter country indeed the State Seed Control Station refuses to give a guaranteed analysis of American clover seed, and every effort is made to prevent its use.

It has been alleged that the American clover is not as hardy as the European plant, and that being more hairy it is more subject to mildew.

Experimenters have claimed that the product of American seed did not equal in quantity that from the European variety. The smaller crop has been attributed in the first place to the inability of the American clover to withstand the Winters in Germany and Austria, and also to its lesser vigor. It has even been claimed that the American seed contained seeds of dangerous weeds, such as dodder; but this charge is so grossly unfair that it has never been pressed.

American seed is, however, much cheaper than European, and the farmers have continued to use it to a considerable extent. Our seed has had a consistent supporter in the person of Dr. F. Nobbe, who has stood almost alone in his defence of American clover seed. It is interesting therefore to learn that another German investigator, Dr. Kirchner, of Leipzig, has found that American clover seed is not to be despised. It is perhaps remarkable that he has had the courage to publish his results and to let them speak for themselves, because the agrarian element is so intensely hostile to any product of American agriculture. For this reason Dr. Kirchner's experiments, published in defiance of this sentiment, mean more than a dozen on the other side.

Dr. Kirchner planted small plots with Canadian and with Bohemian seed sown broadcast, and he carefully cut and weighed the product. The following table taken from the Deutsche Landw. Presse shows the results of tests in 1895 and again in 1898-1899:

American. 1895	Kilos	European.	Kilos
1 Cutting May 31,	21,550	June 10,	21,615
2 Cutting July 15,	14,321	Aug. 7,	16,165
			37,780
3 Cutting Aug. 24,	3,110		
	38,980		

1st and 2d Cuttings 35,870 kg.

American. 1898	Kilos	Europesn.	Kilos
1 Cutting June 7,	24,600	June 10,	14,300
2 " July 15,	7,290	July 25,	15,180
3 " Sept. 3,	7,520	Sept. 17,	6,580
	39,410		36,040
1899			
1 Cutting June 5,	20,500	June 10,	14,360
2 " July 22,	13,200	July 24,	17,420
			36,420
3 Cutting Sept. 11,	11,200		
	44,900		

1st and 2d Cuttings 33,700 kg.

It will be noticed that the American clover was earlier and could be cut oftener than the European. It also produced a greater weight of green material.

It did not suffer markedly from Winter killing. On the other hand, the experiments of 1898-1899 show that the crop from American seed was much greater the second year than the first, while the yield from the German seed was practically the same in 1899 as in 1898. The chemical composition was nearly the same in both cases.

The American seed is sold at a much lower cost than the German, and is fully as good in regard to purity and germination. Hence it is no wonder that the German farmer continues to buy the American seed in spite of the outcry against it on the part of some German experiment stations.

The price per 50 kilograms (110 pounds) of American and European seed for four years is shown in the following table:

	American.	German.
1897	$12.50	$12.50
1898	10.00	11.25
1899	10.00	15.00
1900	12.00	17.50
		($19.25 for the best)

BOOKLETS.

HARDY STOCK FOR PLEASURE GROUNDS.—Under this caption Mr. Hiram T. Jones, nurseryman, of Elizabeth, N. J., has issued a booklet, which, although really a retail catalogue, would never be suspected of being such, as, until the very last pages are reached, the book has every appearance of being an edition de luxe on the subject-matter treated. Of the thousands of retail catalogues and other advertising matter designed primarily to attract business we cannot recollect any one its superior, and very few its equal. The clever descriptive word-painting of the various trees, shrubs and other stocks mentioned makes most fascinating reading, while the manner in which the illustrations are inserted is at once novel—for a catalogue—and attractive. As we view it, a land owner, after perusing its chapters, must become so enthused as to immediately make out a substantial order. The type, paper, presswork and binding are all in artistic accord with the writer's conception of the value, dignity and harmony imparted to the home grounds by virtue of an appropriate setting. Great credit, too is due, the printers, the J. Horace McFarland Co., of Harrisburg, Pa., who designed, compiled, illustrated and got up the book. We feel confident Mr. Jones would gladly send the booklet to any fellow-tradesman, and wish many will ask for a copy. We congratulate Mr. Jones on his energy and pluck in getting up such a handsome work, and that it has already proved a decided success we know to be a fact, as that gentleman himself says: "It takes the place of the ordinary descriptive catalogue, and, while rather more expensive, I am pleased to state that the returns are better than for any previous work that I have ever sent out."

We have given this rather lengthy summary of the booklet in the hope that those seeking a well-to-do retail trade will be led into following on in the same lines. Refinement now, more than ever, has much to do with securing and maintaining trade.

Society of American Florists and Ornamental Horticulturists.

DEPARTMENT OF PLANT REGISTRATION.

The Floral Exchange, Inc., register new rose "The Queen of Edgely, the pink American Beauty," originated at Edgely, Pa., Fall of 1896. Color light pink, similar to that of Bridesmaid; growth, habit, foliage, height, size and form identical with parent. The buds set more freely and the fragrance is somewhat sweeter.

WM. J. STEWART, Secretary.

The American Carnation Society.

CARNATIONS REGISTERED.

ESTELLE, by Richard Witterstaetter, Cincinnati, Ohio. Bright scarlet, never coming off color, fragrant, form excellent; stem strong and stiff, short at first after lifting, but reaching 12 to 16 inches by December. Size 3 to 3½ inches, in habit exactly the same as Portia; a continuous bloomer.

MRS. BIRD S. COLER, by Henry A. Molatsch, Brooklyn, N. Y. A healthy, strong grower; a continuous bloomer, has a very stiff stem, does not burst, is not subject to stem rot. Color about the same as Portia. Size 2½ to 3 inches. Height 30 inches.

ALBERT M. HERR, Secretary.
Lancaster, Pa.

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Chrysanthemums.

(*Concluded from page 378.*)

Another important matter: Are your plants to be grown indoors all Summer or outside? There are many who lack facilities for indoor culture. Many can spare a grapery in the Fall to flower the plants in, yet can't afford house room during the Summer months. Before the dreaded disease, commonly known as "rust," made its appearance, outside culture during the Summer months was possible; it is almost useless trying the outdoor system now. Indoors your plants are more under your control, the atmosphere can be kept dry or moist at will; and this is the most important factor in battling with the disease. If the plants be watered during the morning or forenoon, and the house kept dry by night, there will be little need to resort to Bordeaux mixture or any other fungicide. Apart from the question of disease, however, indoor culture is preferable, as giving the best results all through; the foliage is always superior, and I believe on the whole the plants are a less trouble. Any house that has been used for bedding plants, or Winter vegetables, and which will not be needed before the flowering season is over, makes a good place.

Different pests may prove troublesome during the Summer months, but a few tobacco stems thrown around every now and then will keep them in check.

Attention will have to be given very frequently during the Summer months to tying and disbudding; neglect in this respect is the cause of many failures.

The taking of the bud is perhaps the most momentous question of all, and so long as new varieties are being introduced it will remain an unsolved one. I don't think any hard and fast rule can be laid down regarding bud taking. Speaking generally, however, I should say that all varieties inclined to be thin should be taken on the crown bud, and varieties that are the more compact should be taken on the terminal bud. There are types that do well on either bud, and it is a matter of taste which you desire to select. The crown bud invariably gives larger blooms, but not always of so good form. Most of the Chinese varieties are best on the terminals, the flowers being more globular and incurving. In fact, many make a point of taking all incurved varieties on the terminal bud.

Concerning color most of the white and yellow varieties are very little influenced by either bud in this respect, but all pink varieties (Mrs. E. G. Hill perhaps excepted) give better color on the late bud. In fact, Viviand-Morel and several others come almost white if taken on the early bud, although the color is usually best on the terminal bud. Again, flowers taken on the crown bud are invariably bare of foliage at the neck, but the stem in most cases is stronger. Crown buds require a higher temperature than terminals, and a much longer time to develop. Flowers taken on the crown bud show a larger percentage of rough blooms. The taking of crown buds may commence about August 25, and for terminals about the second week of September. It is a great mistake to commence the taking of buds too early; rough blooms are invariably the result. Many think that by taking the buds early they will have early flowers; this also is a delusion. I have taken buds as early as August 20, and buds taken September 15 were in flower before them.

Feeding—This is looked upon by many, in fact by nearly all, as the one great necessity in procuring exhibition blooms. "What do you feed with?" is the all-absorbing question. It is important, of course it is, but it is usually overdone. Too rich a compost to begin with and early feeding are the cause of more sickly looking plants than poverty. If your soil contained the usual amount of constituents the plants ought to get along without any other assistance until the middle or end of July. Be sure the pots are full of roots first before you stagnate the soil with chemicals. Be on your guard, however; do not have the plants showing visible signs of weakness before you stimulate them. Plants can stand more feeding after the buds are taken, especially after terminals are taken. Apply any of the ordinary liquid manures, such as chicken or sheep manure, that has been steeped in a tank or barrel, or the washings from the cow or horse stable; dilute freely and graduate the dose; do not stick to one form all the time, alternate every week.

After the buds are taken use some nitrate of soda, about a 3-inch potful to 50 gallons of water; give this about once a week. Just before the flowers show color use liquid sulphate of ammonia—about the same quantity as advised for nitrate of soda.

When the flowers begin to show color feeding should be stopped, especially with all dark varieties, and Mrs. H. Weeks. Some are benefited by small applications of sulphate of ammonia until they are nearly full out.

I do not think that it is necessary for me to give a selection of varieties to be grown, cultivators can find such information in the wealth of catalogues that they receive gratis every year.

I should have liked to have said something regarding bench culture, also the culture and training of specimen plants also a few things regarding staging, but time fails me. The cultivation of the chrysanthemum is a most interesting, absorbing and delightful study. If my remarks be the means of stimulating any or renewing fresh interest then I will feel satisfied that my efforts have not been in vain.



Quinquennial Bulb Exhibition at Haarlem, Holland.
Second Prize Group of Amaryllis.

NOTES BY THE WAY.

INDIANAPOLIS, IND.—W. J. Hasselman has begun to rebuild and will be in shape for Fall business. The fire fiend went right through the center of the plant, completely cutting off the heating apparatus. All will be remodelled.

Anthony Wiegand & Son are in fine shape for Easter, and from present indications anticipate a banner business.

H. W. Rieman and Bertermann Bros. are making big preparations. A fine batch of Rieman's prize winning carnations and roses will be just right.

John Heidenrich anticipates a big demand. He has a heavy market trade. He grows perennials extensively and finds they are profitable plants for Summer cutting, when patrons want a big armful of cut flowers for little money.

COLUMBUS, O.—Albert Knopp, of the Franklin Park Floral Co., is very sanguine on the Easter outlook. Up to the present not a flower has gone to waste. Maybe it was because stock was even better than usual.

Underwood Bros. intend building after the Spring rush. Business has never been better funeral work especially. Plant trade is steady and satisfactory.

Maurice Evans & Son have a grand crop of lilies and roses, which from present indications will be snapped up at Easter.

John Hellenthal reports good market business, stock bringing very fair prices.

CLEVELAND, O.—The flower market is ablaze with bloom. One of the brightest stands is that of Aug. Schmitt, who has a pretty lot of flowering plants and cut flowers supplied from his houses at Glenville.

H. A. Hart has his houses crowded with an enviable stock of lilies, hydrangeas and pot grown roses—stocky plants, clean and just right for Easter.

A. Graham & Son are well to the front with a full line of stock in excellent shape—the result of much care and continual watching of late.

Gordon Gray and F. W. Zicchmann carry heavy stocks for the stores, so there will be no lack of good material this Easter.

Isaac Kennedy, who recently took charge of the J. M. Gasser Greenhouses at Rocky River, arrived from the Quaker City too late to make an Easter showing. His fame as a rose grower and crack bowler preceded him. The boys have had the pleasure of seeing his curves on the alleys and vote him all right. Neither will there be any flies on the roses, or black spot either, if Isaac can help it.

CINCINNATI, O.—J. A. Peterson has a lavender sport from the double violet Swanley White that promises to create as big a sensation as did the single kind Princess of Wales grown by him the past two years. The new Butterfly Cyclamen papilio is a charming species, and was the center of attraction during the visit of the craft at the recent house warming.

G. Brunner's Sons had a house of Brun-



Prize-winning Roses of Peter Crowe, Utica, before Shipment to Rose Show at New York.

ner and other hybrid roses just right for Easter—bushy stock, well budded, in 5 and 6-inch pots. They carry this stock in four batches, running into June, so as not to overstock the market. Not much danger of doing such a thing in Chicago or in our big Eastern cities.

W. M.

Good Things at Richmond, Ind.

I recently paid a visit to the rose at E. G. Hill & Co.'s. Among the numerous seedlings Sunrise is the finest of the collection—most appropriately named, the opposite to Sunset, whose glow could be seen in "Golden Gate." This latter rose does finely here, throwing shoots and buds similar to those of Kaiserin, and full of color. Paul's new Pink Rambler, Psyche, is a pretty rose and will be very popular. One of the best French introductions is a hybrid tea—a splendid grower, every strong shoot produces a bud. The bloom is the size of American Beauty, and color that of Marie Baumann. This is the most promising rose here up to date. Quite a novelty is seen in a hybrid Kaiserin × Wichuraiana, but whether of any value will be decided later. Young roses are in excellent shape and going out at a lively gait.

Among carnations the yellow variety Ophir and a grand scarlet should, according to the present standard, score 101 points, being one point better than the best. Olympia, J. Whitcomb Riley, Leslie Paul and Ethel Crocker are at their best for Easter. Among the batch of trial seedlings are three yellows from Sievers, that are very promising. From the numerous yellows it seems possible one or two really fine things may be sent out soon.

In seedling geraniums are a few extra good ones. Gen. Fitzhugh Lee, Lord Roberts, Oom Paul, President Steyn and President Dewey, are of the Mirande type, striped and blotched, names being substituted in place of numbers in trial beds to save confusion. There is a big run on geraniums and cannas, these promising to be as popular this season as ever.

Additional houses will be built this Spring. Mr. Hill has not yet decided on what plan. If very long and high a trolley may be introduced, to save time and labor in working them.

W. M.

OUR PRIZE COMPETITION.

What I Learned During My First Two Years in the Florist's Business.

Prize Paper by Jas. A. Lake, Concord, N. H.

What I learned during my first two years was perhaps different from what the average American boy learns, but the present sketch may be useful as affording an idea of how a boy on the other side of the water is taken in hand and trained to make a good workman:

I first went to work, at about the age of fifteen, for a large company in the Channel Islands, that besides growing flowers cultivated for the London markets large quantities of fruits and vegetables, such as grapes, melons, peaches, strawberries, tomatoes, beans, peas, potatoes, cucumbers, etc., all under glass. The first day I was put with one of the gardeners to help fasten up wires on which to train the tomato plants; these, as well as potatoes, beans, peas, strawberries, chrysanthemums, etc., being grown, not in benches, but in the ground on a level, or a little lower than the walks, and were termed "ground crops." I was then taught to always keep the walks clean and tidy, also the packing shed, of which there was one to every house; to wash and pack away the pots, according to their various sizes.

Then I learned how to use the hose without knocking everything to pieces, and to water the ground without wetting the foliage of the plants too much. I was also shown how to ventilate the houses according to the wind, and from the bottom if foggy or damp. I also had to help in the fumigating in the evening for the destruction of insects.

Then I learned the right way to prune and tie up the plants, also to pick the fruit with the stems on (without using a knife), to paper the baskets for the packers to pack them; then, when packed, I had to put on more paper and place the baskets ready to be shipped to London and other cities. After I had learned this thoroughly I was then taught the way to pack the baskets.

About March or April, when the Winter crops came out of the ground, I learned how a house was prepared for growing two Summer crops at the same time: First, the house was trenched right through at a depth of from 4 to 6 feet, then the dressing was dug in; sometimes, to save labor, it was put in while trenching. Then beans were sown in rows, and as soon as they were showing above ground the tomato plants were planted by the side of each row.

Also in the early Spring I began to learn (haven't finished yet) the way to lay out and cut out beds for bedding out plants, planting out of shrubberies, making of vine borders, etc. Then came the planting, hoeing and weeding of the chrysanthemums outside, which were to be lifted in the Fall, to take the place of the tomatoes inside. After the chrysanthemums were planted inside came the staking, tying up, disbudding, feeding, and cutting and packing the flowers for shipment.

There was also the preparing of the ground in the other houses for Winter crops, as well as the wheeling out of the old soil from the benches, and the filling of them with new. Also in the Fall and early Winter I had to help prepare the different stacks of soil, for the different crops of vegetables and flowers, and the mixing of stable manure with seaweed, bone dust, etc., for dressing. So passed my first year.

During my second year I was given an opportunity to be more among the flowers, and being with a man who was as willing to teach as I was to learn (and possibly more so) I soon learned how to prick off and pot, bedding plants, etc.; also the preparing of the soil for different hot house and greenhouse plants, the kinds and quantities of different ingredients to use. Then I learned the way to syringe the different plants for cut flowers without giving too much water at the roots, as well as the tying and pruning of them. I also learned how to make cuttings, to label and date everything put into the propagating bed, and to keep it always tidy and in order. When the others were busy in the vineries, or when we were not very busy, I had to go and help with the melons—tying down, pruning, netting and inoculating; or on the vines, tying in the shoots after nipping them off to one bunch of grapes on each, taking out altogether those which had none, thinning the grapes in some houses which were just coming on and cutting and packing in others, where they were ripe. Then when the crop was all cut came the taking down of the canes, the cutting off of all the shoots to within one eye, the peeling and painting of the canes to destroy insects, and the fastening up of the canes again, except in houses where a "ground crop" was to be grown, when the vines were pulled outside through arches or holes in the wall, and laid along the border until it was desired to force them again.

I learned a little of the growing of bulbs for the market, also about the forcing of them for Winter and Spring blooms, as well as a very little of the culture of palms and ferns.

During this year I also had to go with the fireman on his rounds to the boilers (of which there were a great variety, but different to any I have seen in America); and so learned the way to run the fires and to clean and clinker them.

It will be seen by this sketch that I learned more of other duties than I did of actual florist work in my first two years; but as boys then with most of these companies had to make an agreement that they would stay for five years, they (the boys) were generally given some practice on the hardier things before being put to work among the flowers; and as I claim to be a landscape and kitchen gardener, as well as a florist, I do not regret the experience.

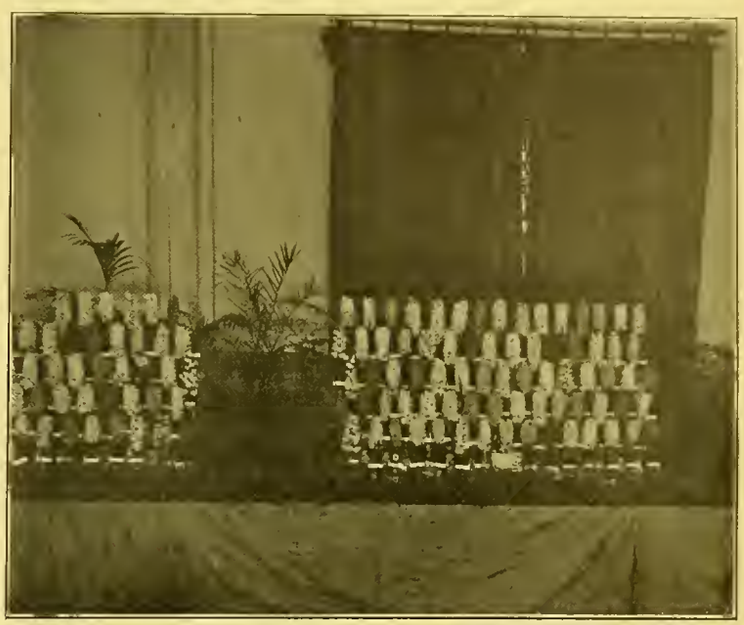


Quinquennial Bulb Exhibition at Haarlem, Holland.

Group of 50 Varieties of Darwin Tulips, Shown by E. H. Krelage & Son. Awarded Gold Medal.

HINTS and HELPS.

Asparagus plumosus and A. p. nanus.—It has been stated recently that Asparagus plumosus is the name of the plant most frequently grown for "strings" and as a pot plant. This may



Quinquennial Bulb Exhibition at Haarlem, Holland.

Exhibit of G. Van der Mey, of 75 Hyacinths in Glasses. Awarded Gold Medal.

BRIEFS FOR BUSY FLORISTS.

ROSES—With the coming of Spring weather mildew is apt to be very troublesome, unless great care be exercised both in the ventilating and firing. Give all the air possible on bright days, but avoid having a current rushing through the house when the wind is cold by opening only the ventilators on one side.

YOUNG CARNATION PLANTS should be pinched back if necessary, and if they are not yet in frames, or in some sheltered place outdoors, they should go there at once, so as to become hardened off gradually before being planted in the field. The land where they are to be planted should be worked over as soon as dry enough; even though the manure was plowed in last Fall, another plowing will greatly benefit it. Should the soil be at all lumpy use the harrow to thoroughly break it up. Plant out as soon as conditions will permit, so that the young plants can get a good start before the warm weather arrives. Early planting and early lifting in the Fall generally give the best results. Some shade should be given to the houses now, where flowers are being cut from—just enough to break the full force of the sun.

CYTISUS AND ACACIAS can be put at the end of a cool house after through flowering, where they may remain several weeks without injury. Young stock should be potted along, using a coarse, well-enriched soil. Cut any straggling shoots back into shape and water very sparingly until new growth commences. A cool house is the best place for the plants, though they should have full sunlight.

AZALEAS that are to be kept over till another year should receive some attention as soon as the flowers begin to fade. If the plants are of last Fall's importation, they are probably in very small pots, according to their size, and should be now repotted. Use a light, fibrous loam, with a good proportion of either leaf mould or peat intermixed. Do not give the plants very large shifts—one 1½ or 2-inch larger pot is all that is necessary. Pot as firm as possible, using a rammer to pack the soil firmly all around the ball. If the plants are at all unshapely cut them in where it is needed, and remove all flowers before seed pods form. After potting water thoroughly to settle the soil, after which care must be taken not to over-water, as but little will be required until growth starts. A light syringing, however, should be given daily.

occasion some disappointment to those ordering a stock from growers either in this country or from abroad, as the plant most commonly grown is not plumosus, but plumosus nanus. The differences between the two are great. We will say that A. plumosus grows 35 feet high; if nanus grows 25 feet, then surely it is entitled to the name indicating its comparatively dwarf habit. In A. p. nanus the sprays are much smaller than in A. plumosus. A. p. nanus is suitable for growing as a pot plant, while A. plumosus is not. The latter makes no undergrowth to speak of, while in nanus this is one of its distinctive features. A. plumosus does not produce underground stems, while nanus does so frequently. Strings of plumosus are naked sometimes for several feet nearest the bed; in nanus they are clothed to the ground. Under exactly the same conditions A. plumosus will grow a good many feet higher than A. p. nanus.

In making room for bedding material many things will succeed just as well in a frame as in a cool greenhouse. Among them are Phlox Drummondii, antirrhinums, pentstemons, asters in boxes, and all herbaceous perennials sufficiently far advanced from the seedling stage. For slightly more tender subjects shallow-made hotbeds may be brought into requisition. G. W. O.

Exhibitions.

The preliminary list of premiums, offered by the Horticultural Society of Chicago, to be awarded at the annual Fall exhibition, November 6-10 inclusive, has been issued. Prizes are offered for 131 classes, including cups and medals. The schedule states that a suitable sum of money will be set aside, to be given in premiums for the exhibition of "interesting novelties" pertaining to plant life that may prove attractive to the public. This may include "well-grown specimens of some of the most commonly known flowers."

Germany is to have a show at Frankfort-on-Main, June 23, 24 and 25 next, devoted solely to "floral art." The exhibition will cover the entire area of the retail florists' industry, such as the decorations of salons and apartments, the flowers and greenery necessary in carrying out different descriptions of decoration, the baskets, china, glass and other objects used in the work being of German origin. When shall we have a retailers' exhibition in America?

New York.

Club News.

S. A. F. matters again occupied the attention of the members Monday evening. A goodly attendance was present, with President O'Mara in the chair. For the benefit of the Sporting Committee it was announced that Messrs. A. H. Hews & Co., Cambridge, Mass., would allow a selection of any piece of pottery named in the firm's catalogue as a bowling trophy. This generous offer was received with applause.

Messrs. Henry Hentz, Jr., Henry Hurrell, L. J. Kreshover, A. H. Langjahr, J. C. Vaughan, Chas. E. Schwake and C. B. Knickman were elected to membership.

It was decided that the prize of $100, to be given to the society winning the largest number of premiums at the forthcoming horticultural exhibition, should take the form of a cash premium.

A meeting of the Ways and Means Committee was intimated for Monday evening, April 23.

A committee on reinstatement was appointed to consider the cases of those members who had dropped out, with a view to their rejoining the club.

The Printing and Advertising Committee reported gratifying success as regards the securing of advertisements for the Souvenir Book now in preparation. Its advantages as a permanent advertising medium are being readily grasped by the wideawake men in the trade. Treasurer Weathered will supply all information as to rates, etc.

Manager John P. Cleary is having a circular prepared on which will be furnished a diagram of the exhibition hall for the trade exhibit, also charges for space, etc. He is much elated over the number of entries already received. Intending exhibitors should make early applications for space.

The Market.

This is the one week in the year when it may be said that plants hold full sway in the market, and that cut flowers are for the time being pushed to one side. Of course, the plant trade is at all times a large factor in florist circles, and the week preceding Easter is always the banner week for them; but this year, to such an extent has this branch grown we feel safe in saying that the cut flower trade was never so quiet during a corresponding week, nor the plant business ever so good.

The lateness of Easter this year has been a great benefit to the growers of Easter lilies. With the poor percentage of good bulbs among the Harrisii the flowers of that variety are very scarce, compared to what they would have been if all the bulbs planted had proved good. It is believed, however, that fully 50 per cent. of Bermuda bulbs have turned out unsatisfactory. It has been easy to have the longiflorum on time, and at this writing (Thursday) it looks as though these flowers would be very plentiful. Heavy shipments have been received from neighboring states, and the very best can be bought at $1.50 per dozen, either cut or in the pots.

As we said before the cut flower trade has been very quiet and but little change has been noted in prices. Some pickled stock has already appeared, and we may say right here that there is no surer way of killing the business in cut flowers for holidays than to keep the blooms a few days and send them to market looking tired and weary. There is no likelihood of there being any shortage in flowers, though carnations are being eagerly bought at the Cut Flower Exchange, 34th street, every morning by dealers. This would indicate a possible short supply of these, but all other stock is in abundance.

To give an idea of what flowers may be had in this city, and the probable prices which will be asked for them, we enumerate the following: In roses, Beauty, 50c. for the top down to 10c. for shorts; Brunner, about the same; Gen. Jacq., Rothschild, and President Carnot, from 25c. down; Bride and Bridesmaid, from $3 to $20 per 100, according to quality; Liberty, 40c. each; carnations, ordinary, $4 to $5 per 100; fancies and novelties, $6 to $15 per 100; lily of the valley, $3 to $4; hyacinths, $3 to $4; narcissus and tulips, all varieties, $4; lilies, $10 and $12.50 per 100; callas the same price; violets, 50c. to $1; sweet peas, $1.50 to $2.50; snapdragon, 50c. and 75c. per dozen; lilac the same figure; freesias, 10c. per dozen. Smilax will be rather scarce, and the best strings will realize 25c. each; cowslips, $2.50 per 100; daisies, $2.

Among the Retailers.

A record-breaking Easter is expected, and storekeepers have stocked up with plants as they never did before. There will be little attention given to cut flowers until late Saturday evening, as the plant trade has become the much more important at this date. Some beautiful window displays are being made, and we hope next week to favor our readers with descriptions of a few of the most prominent ones.

C. Thorley has an extra store engaged for the occasion, and lilies in yellow-painted pots with a narrow yellow ribbon tied on the stems is one of the new features to be seen.

J. H. Small & Sons have their store filled with choice material, some especially fine acacias being among the prettiest.

J. Fleischman had a vase of the Pink American Beauty rose on exhibition one day this week. This rose is finding many admirers among the public, and Mr. Fleischman expects to handle the whole output this year. The rose is named the Queen of Edgely.

Fritz Dressel has a choice display of flowering plants in the Siegel Cooper store. Bloomingdale Bros., W. Burnham, manager, also have made elaborate preparations.

Mrs. Warrendorf, retail florist of Madison avenue, startled the craft last Saturday by putting an automobile into service. This is the first use of the florist's electric delivery wagon in this city, though we understand several prominent retailers have been investigating the horseless carriage for some time, and we should not be surprised to see several in use in the near future.

Jottings.

On Wednesday afternoon the American Institute held an Easter flower show in their rooms in the Berkeley Lyceum Building. Although over $300 in prizes were offered the number of exhibits was small, the fact of the show being held so near Easter no doubt being responsible for this.

At 3 p. m. a meeting was held, and Samuel Henshaw, Dr. Britton and C. L. Allen spoke on Easter flowers and horticultural topics in general, Dr. Britton stating that he felt safe in saying that the Bronx Botanical Society's educational work was developing more direct results in the cultivation of plants than in the study of botany.

Among the exhibits were a half dozen vases of carnations from G. M. Hay, Stamford, Conn.; a bunch of violets from G. T. Schunemann, and a collection of flowering plants from H. A. Siebrecht & Son, including rhododendrons and pot roses.

At the club meeting on Monday night the program supplied by the entertainment committee was much too short.

One prominent grower of Easter stock had 37,000 pots of lilies all ready on time.

Julius Roehrs has some very fine herbaceous calceolarias in for Easter.

Many new stores have sprung up in different parts of the city and will disappear just as suddenly after the Easter rush is over.

Cleary & Co. held a two days' sale of Japanese plants this week.

Wm. Elliott & Sons held sales, as usual, on Tuesday and Friday.

We hear of solicitors for a "Florists and Gardeners' Mutual Benefit Association," that are calling upon the trade (the florist's supply men particularly), soliciting advertisements for a journal which they state is to appear some time in June. They also say that a picnic of members will be held at that time. So far as we know there is no such society, and intending advertisers will do well to investigate thoroughly any such scheme put before them.

Word has been received from George Heitmüller, formerly of Flatbush, and now at his home in Koenigsbrück, near Dresden, Saxony, that owing to a painful accident sustained through a rusty wire having pierced his hand, his return to this country will be delayed for some time.

Visitors this week were: C. Fleming, Bridgeport, Conn.; John N. Champion, New Haven, Conn.; J. D. Shaw, Holyoke, Mass., and Peter Devoy, Poughkeepsie, New York.

Chicago.

Common Council Flower Show.

This is an off year, hence the splurge among the politicians was not so pronounced, in the way of flowers, as last year; but occurring on Monday night of Easter week the demand proved a great factor in reducing stock. Beauty, especially short-stemmed flowers for made-up work and longer for clusters of roses, had the call. The conspicuous pieces were a 7-foot floral Indian in war equipment, Japanese urn filled with roses, an American flag with legend, "Billy, no butterfly on you; tried and true, that's you;" a harp of roses and green, a big bank of flowers with the election majority in figures, a horseshoe, a floral squash, a rose shield, a Mason's trowel, an elephant marked G. O. P., floral ships, shields, a floral shovel, besides many baskets, clusters of roses, etc.

The Easter Outlook.

Plenty of sun and some warm days are responsible for the increased cut, particularly of roses. Complaints are already heard of these blooms being over kept, and carnations suspiciously sleepy. All flowers will be in fair supply, save carnations, which are still short of the demand. The weather is favorable to lilies, and these will be in good supply, although probably all will easily be disposed of. Tulips are in good condition, and lots of them; also narcissus, the southern Illinois stock of which is just coming in. Some good Romans are yet to be seen, but not so many Dutch hyacinths as in other years. Violets are an uncertain quantity; but may come in later.

All well-flowered pot plants will sell well. A few Crimson Ramblers are seen, but none are fancy grown. A considerable quantity of Beauty have been potted up, but good hybrids are very scarce. A few of the old Hermosa are still around. There are some pelargoniums, and bulbous pot plants are fairly plentiful. A few heaths are also in evidence.

Horticultural Society's Schedule for 1900.

The preliminary list of premiums for the Fall show, to be held November 6 to 10 inclusive, is now out. Cash premiums amounting to some $2,650 are offered. There are some changes from the lists of other years. For example, the international chrysanthemum competition has been discontinued. The most important additions are in floral displays—finest display by any retail florist, plants, flowers, floral arrangements and the usual accessories admissible; judging to be done each day, and the premiums to be awarded to those exhibits scoring the highest total of points—first prize, $100; second, $70. Floral arrangements open to all; table decorations—first, a sterling silver service, valued at $125; second, cut glass florist's vases, valued at $90; third, cash $60; fourth, cash $40. Floral displays—finest display by any grower, cut flowers and cut foliage admissible; quality, variety and quantity to be considered; first, $40; second, $25.

These floral arrangements and floral displays are to encourage this class of exhibits, heretofore they have been entered mainly not for competition. Copies of the premium list may be had by addressing the secretary, W. N. Rudd, 185 Dearborn street.

Club Meeting.

The regular club meeting on the 6th was rather thinly attended, owing to the members being busy. Charles H. Fisk was elected a member. A. McAdam and others spoke on the lack of fine plants in this market for Easter, nothing better being obtainable than the varieties and styles that had been grown for years. Even azaleas this year were none too plentiful. The opinion was reiterated that there is a good opening for this kind of florists' work in this city.

Among Growers.

A run out to Emil Buettner, at Park Ridge, showed, as usual, a grand lot of flowers for Easter. He has 5,000 longiflorum lilies in fine shape, most of them in just right. A couple of hundred pot plants, grown especially for Wienhoeber, were very good, with from six to ten flowers on a plant. In roses Beauty have done grandly all Winter; there will, however, be no big cut, as was the case last year. Bride and Bridesmaid will be well in. Carnation Flora Hill is a sheet of white. Triumph and Daybreak are off crop, but later, until July, will be grand again. Jubilee, although so fine when it is good, will have to go, Crane and America taking its place. Melba is one of the best sellers, even if it has a weak stem. Wellesley is no good. Bradt does fine. The Marquis will be well tried next year, also Morning Glory. White Cloud does well; Mary Wood does not produce enough flowers to be quite satisfactory.

Mr. Buettner will build two more houses, each 150 feet, for carnations for next year. A batch of 10,000 tulips, ready for Easter, was a grand sight. The sorts mostly grown are: Cottage Maid, La Reine, now white; Murillo, Tournesol and Yellow Prince. He grew this year 65,000 and has done well with them; also 60,000 valley from best pips. But he does not claim they are money makers, although his stock is always good. Mr. Buettner uses sheep manure, with some chemicals, exclusively as a base for his manure water, and considers it more efficacious and far less offensive than when the liquid is made from cow manure.

Around Town.

John F. Kidwell was in from Lafayette, looking after the Easter work at his Wentworth avenue store.

Lincoln Park is to have a rose garden.

The Spring-like weather is crowding the seed stores. There are good reports as to sales to market gardeners.

Ess.

Brooklyn, N. Y.

The retail stores in this city have made great preparations for Easter, and a large business is expected, especially in plants. The leading department stores also are in the plant business extensively, and immense quantities of lilies have been imported from Philadelphia, to help out the home grown stock.

J. V. Phillips has opened an annex, a few doors from his store, and has it filled with a choice line of stock. J. Weir has both his stores filled to overflowing, as also has James Mallon's Sons. C. Applegate, Putnam avenue, had his store fitted up with extra staging, and all filled with tastily trimmed plants early in the week. Keenan Bros., Myrtle avenue, have both their store and greenhouses nicely arranged with flowering plants, as also has W. C. Krick, on Broadway.

This Easter has brought out no novelties in the way of plants, the kinds offered comprising lilies, spiræas, hydrangeas, boronias, bottle brush, acacia, cytisus, violets, pansies, rhododendrons, roses, hyacinths and other bulbous stock.

The wholesale men—A. Langjahr and Hicks & Crawbuck—each are handling plenty of flowers, and supply the major portion of the retail trade.

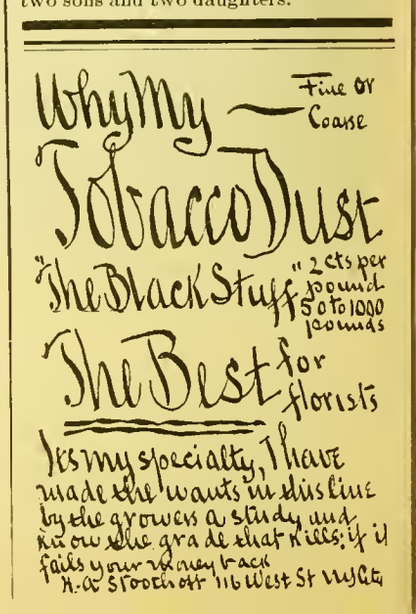
OBITUARY.

A. Edward Risser.

Albert Edward Risser, of Lima, O., died at his home April 3, death resulting from apoplexy. The deceased was the second son of the late Henry Risser, who was one of Allen County's most prosperous pioneer Germans. He succeeded his father in charge of the Risser gardens and greenhouses, at the family home on the Marion Road, and was filling the responsible position with credit when stricken with the fatal disease. He was born in Lima and reached the age of 29 years. He was married in February, 1899, and his young wife survives him.

Henry Young.

Henry Young, of Lynn, Mass., died at his home, April 5, at the age of 75 years. He was born in Chatham, but had resided in Lynn many years. He was a member of Bay State Lodge, I. O. O. F., Myrtle Rebekah Lodge and of Mount Carmel Lodge, F. and A. M. He leaves a widow, two sons and two daughters.



St. Louis.

Trade Rather Quiet—Easter Supply Short.

Business in the retail way has been rather quiet the past week, with the exception of some big store openings and a few lucky large funeral orders. Still, there has been no waste of stock worth talking about. Roses are now quite plentiful, at 4c. to 6c., which price is not bad for this season of the year. Carnations are on the scarce side; though receipts are quite liberal the demand keeps them cleaned up. They are selling at from 2c. to 4c. Violets are still abundant. Keuhn is receiving some choice tulips that bring 6c., the general run fetching about 3c. Some good Beauty are in, that sell at $2 to $4 per dozen. Valley and other bulbous stock is plentiful, at 3c. Very few Harrisii are in the market; price, 12½c. Cut blooms of the latter will probably be in fair supply, while pot plants are certain to be very scarce. The inquiry for them at present is strong. Some who have a retail trade and no lilies are offering almost any price for them—as high as 25c. per bloom and bud, with none on the market as far as the writer knows.

We are still inclined to think the supply at Easter will be short, both in cut stock and plants, for at present there is no surplus, and with the Easter call the supply would be quite insufficient.

Notes.

A big department store is out with a flaring advertisement of 5,000 plants for Easter week, at wholesale prices. This is the same concern that has had several of these sales, and it seems as if it proposes to keep them up. The firm offers plants worth $4 for $1.98.

The weather, which up to the 10th had been Spring like, suddenly changed into rain, sleet and snow—quite unusual here at this time of the year. The thermometer, however, is not low, so we do not expect any bad results. A freeze would do great damage now, as a large lot of garden truck is out, and peaches are about to bloom.

Joe. Rolker passed through the city last week. C. C. S.

Cincinnati.

Trade Notes.

Business is reported good. Carnations have been unusually scarce, and prices have held up well, 2c. to 3c. being the general price. Roses have been in better supply, and the demand has been good, 4c. to 7c. taking the most of them. Bulbous stock has been a little scarce the past week. Cincinnati will be well supplied in that line for Easter, and it will be first-class stock also.

Easter Prospects.

The prospect for a large Easter business has never been better; orders are coming in very fast. As usual, in carnations we find the hitch. They will be off crop. Not only is this the case here, but it seems to be the general report. There will be a better supply of red and pink than of white. It is bad for all of us that this popular flower is off crop at the present time, because there is no period when it is more in demand. In roses there is much better news, and we expect to fill all orders with first-class stock.

As usual, there will be a large supply of bulbous stock, with the exception of Harrisii, of which there are none too many around; and also Von Sion. What there will be of the last-named flower are fine, and will sell readily at 4c.

Weekly Payments by Commission Men.

I notice in the trade papers that Kennicott Bros. Co., of Chicago, have adopted the plan of paying growers weekly, in place of monthly, as is mostly done in Chicago by the commission men. The weekly plan is a good one, not only to the commission man but also to the grower. The advantages are obvious; the grower does not have to wait for 30 days, but gets his money every Monday morning; and there are a good many growers who think enough of this one advantage to ship their goods to a house employing this method. The commission man finds that there is not so much liability to mistake in the weekly plan, accounts are not so large, and it is much easier to pay a small amount than a large one. I am glad to say that Cincinnati commission men have always carried out this method, and find that it works most satisfactorily to all concerned. I wish to congratulate the Chicago gentlemen on their good judgment.

E. G. Hill, of Richmond, Ind., was a caller. E. G. GILLETT.

Boston.

Market News.

The usual quiet before the holiday rush prevailed the past week, but was not felt as much as formerly, on account of the amount of funeral work that has been going on. The supply of flowers has been light, but so has the demand, except for stock suitable for funeral work. It looks, at present writing (Wednesday), as if a few of the growers were at the old-time game of "holding back."

Beauty roses are now plentiful, with a light demand, and they range in price from $6 to $25 a 100, which probably be the best figure for the remainder of the week. Brunner, too, are in good supply, and about the same prices will control their sale as those quoted on American Beauty. Jacqueminot are a little more plentiful, but still do very well at figures ranging from $8 to $20 a 100. Bride, Bridesmaid and Meteor are plentiful, and realize from $3 to $12.50, extras going to $16 a 100.

Carnations continue scarce, but it would be no surprise if they were in good supply by Saturday. The continued scarcity has had the desired effect on prices, which have gradually soared this week. Finest grades of Scott, white, Daybreak, red, etc., all of which, except white and Daybreak, brought $3 a 100 on Monday, were up to $3.50 per 100 on Wednesday, with prospects of going higher. White and Daybreak of finest quality were bringing $4 per 100.

Bulbous stock is very plentiful and will continue so the remainder of the week. Lilies are now in good supply, with no very heavy demand, and fetch $1.50 per dozen flowers. Valley is plentiful, at usual prices—$2 to $4 per 100. Mignonette, too, is in good supply, at prices ranging from $1.50 to $4 per 100.

Violets are now running much smaller and of a poorer color. Princess of Wales is about played out with all the growers in this vicinity.

Wm. W. Tailby had a white seedling carnation at the market on Wednesday—a large, full flower, measuring slightly over 4 inches in diameter; fairly fragrant and with a good stem, but poor calyx.

Massachusetts Horticultural Society.

A vegetable exhibition was held at Horticultural Hall on Saturday. A small exhibit of fine orchid blooms was made by James E. Rothwell, and Mrs. E. M. Gill had a collection of seasonable flowers.

At a meeting of the society five new members were elected. Clarence H. Clark, president of the Pennsylvania Horticultural Society, Philadelphia, Pa., and Albert Viger, president of the National Society of Horticulture of France, Paris, were elected honorary members, and Col. G. B. Brackett, Pomologist to the United States Department of Agriculture, Washington, and Prof. Carl Hansen, Copenhagen, Denmark, were elected corresponding members.

The Flower Committee awarded a silver medal to David Monteith, of Dedham, for his seedling carnation, which Mr. Monteith had named Beulah, in honor of his daughter. It is a seedling from Daybreak × Scott, retaining almost intact the Scott color, but being a larger, fuller flower, fragrant, and a strong grower.

Jottings.

Duncan Robertson has taken a position as salesman for the Waban Rose Conservatories.

William F. Malloy, for many years salesman for E. M. Wood & Co., Natick, Mass., is at Galvin's Conservatories, Easter week.

Sam'l. Lipman, for years in business about Boston, is at Norton Bros.' Hotel Berkeley store for Easter week. Mr. Lipman has just returned from Hot Springs, whither he had gone for his health, which is now much improved. F. J. N.

Poughkeepsie, N. Y.

The Dutchess County Horticultural Society held a very interesting meeting Wednesday, April 4. It was found that already $370 for special prizes in connection with the coming flower show had been secured. Several new members were elected, including honorary members. The schedule for the autumn show was submitted and approved, and ordered printed; and the dates fixed for the exhibition are November 7, 8 and 9.

Pittsburg.

Market Conditions.

Trade did not change much the past week, being rather a little dull, excepting the day before Palm Sunday, which was a fairly lively one. Stock was rather plentiful; even lilies appeared to be more abundant than ever. Prices are yet unchanged, but are now being advanced.

Last Saturday was the first nice day for the plantsmen to handle stock outdoors, and to date it was the only day, as the thermometer, April 10, again dropped as low as 18 degrees, the weather all day being raw.

Easter prospects look very rosy; prices will hardly advance very much, and it seems there will be enough stock for the call. Lilies are in great demand, and are quoted at about 18c. for Easter; at retail will bring about $4 per dozen. Roses will not be scarce, from $2.50 to $4 is being asked for retail orders; good Beauty, about 75c., wholesale; carnations, from $2 upward. Other stock remains about the same as usual.

The firm of A. M. & J. B. Murdoch was dissolved on April 1. James B. Murdoch continues the business at 510 Smithfield street, taking the stock and assets of the firm. A. M. Murdoch is carrying on the florist business at the Fifth avenue store.

E. C. REINEMAN.

Oceanic, N. J.

A very well attended meeting of the Monmouth County Horticultural Society was held recently in Red Men's Hall, President Kettel in the chair. Fred. Nielson was nominated and Mrs. V. R. Legier was elected to membership. Dr. W. T. Wittmore, DeWitt Williams and N. Butterbach were appointed to have the society incorporated at once. The treasurer was instructed to take some stock in the State Mutual Building and Loan Association. Dr. Wittmore delivered one of his speeches. And here it may be said that this society is very fortunate in having as members such men as Dr. Wittmore, Rev. Dr. Kneip, Prof. Walling, De Witt Williams, S. S. Barkuloo and many others. The president read a splendid paper on adiantum culture, which was very instructive.

The premium schedules for the grand horticultural exhibition in connection with the S. A. F. Convention in August next were distributed to the members.

B.

Watkins, N. Y.

J. E. Anthony, who for several years has been superintendent of Glenfield Greenhouses, has resigned his position, and contemplates accepting a situation elsewhere.

Middletown, N. Y.

B. H. Roozen, formerly of Long Island, has been appointed florist at the Middletown State Hospital, to succeed Wm. Gray, resigned.

CHICAGO CARNATION CO.

Carnation Specialists,

JOLIET, ILLS.

Mention the Florists' Exchange when writing.

ETHEL CROCKER

30,000 plants, from soil, for April and May delivery. Crocker has filled every claim made for it and is worth a trial by every grower who wants the best pink carnation in the market.

25 for $2.50; 100 for $10.00; 250 for $18.75; 1000 for $75.00.

PANSIES FREYA AND FAIRY QUEEN.

Two good bedding novelties. Transplanted seedlings at $1.00 per 100. A few of my regular strain. Write for prices.

DWARF PETUNIA.

Adonis, carmine, with pure white throat, And **Snowball,** a pure white. They are always in bloom and a good plant for retail.

25 of each for $1 00, or $2 00 per 100, from 2 inch pots.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS.

Wm. Scott.....per 1000, $10 00
Maude Adams ..per 100, 3 50
Unrooted at half price.
Write for prices on large lots.

CLOTHILDE SOUPERT ROSES,
3 years, field-grown, $8.00 per 100.

CHARLES LENKER, Freeport, L. I.

Mention the Florists' Exchange when writing.

CARNATIONS

ROOTED CUTTINGS.

WM. SCOTT, $10.00 a 1000. L. McGOWAN, $7 50 a 1000. LADY EMMA, $12.00 a 1000. 500 at 1000 rate.
Unrooted cuttings at half price.

ED. FISCHER, Maspeth, L. I.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

CARNATIONS.

Triumph.....$1.50 per 100
Victor..... 1.50 "
Flora Hill..... 1.50 "

First-class cuttings, grown cool and well rooted. Cash with order.

GEORGE R. GEIGER, - Nazareth, Pa.

Mention the Florists' Exchange when writing.

Carnations, Rooted Cuttings, Crane, $6 per 100; America, $5 per 100; White Cloud, $4 per 100; Jubilee, $2 per 100; Scott, Daybreak, Victor, W. Hill, McGowan, Evelina, Eldorado, $1.25 per 100, $10 per 1000.

Roses, 2-inch Pots, Select Stock. Perles 4 cts.; Brids and Bridesmaid, 3 cts. Send for list of other varieties.

WM. MURPHY, Sta F, Cincinnati, O.

Mention the Florists' Exchange when writing.

Rooted Cuttings—Carnations

Gomez, Maceo, Jubilee, White Cloud, Flora Hill, Daybreak, Scott, McGowan, Portia, Eldorado and Anna Webb

WRITE FOR PRICES.

EDW. J. TAYLOR, Southport, Conn

Mention the Florists' Exchange when writing

Rooted Cuttings of New and Standard

CARNATIONS.

SEND FOR PRICE LIST.

WM. SWAYNE, Kennett Square, Penn.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

OF CARNATIONS.

Both new and old varieties at lowest prices for good stock. Special rates on orders booked for future delivery. Satisfaction or money refunded. Send for price list.

GEO. A. RACKHAM, 880 Van Dyke Avenue, DETROIT, MICH.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

FOR EXHIBITION.

The following select list of Prize-winners is now in excellent condition for immediate shipment:

	From 2¼ inch pots.	Per 100
Frank Hardy		$3.00
Mayflower		3.00
Western King		4.00
Capt. Gridley		5.00
Mrs. M. A. Ryerson		3.00
Modesto		3.00
E. Dailledouze		3.00
Mrs. J. J. Glessner		3.00
Georgiana Pitcher		4.00
Golden Wedding		4.00
V. Morel		3.00
H. Bloodgood		3.00
Iora		4.00
Autumn Glory		3.00
Mrs. W. C. Egan		3.00
Black Hawk		3.00
Bruant		5.00
Lady Hanham		5.00
Shilowa		5.00
Chilo		3.00

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

GOOD STRONG STOCK

VERBENAS, Selected Mammoth; **PETUNIAS,** Single Giants of California, from 2½ in. pots, $2.00; from 3 in. pots, $2.50 per 100.

GERANIUMS, Single and Double Grant, E. G. Hill, from 2½ in., 3 in., 3½ in and 4 in. pots, at $2 50, $3.00, $3 75, $4 50 per 100. Mixed varieties, the above and Nutt, Riccard, Poitevine, Favorite, same price.

WHITE PARIS DAISIES, HELIOTROPE, 2½ in. pots, $2.00 per 100. Cash with order, please.

JAS. AMBACHER, LONG BRANCH, N. J.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Bergmann, Whitldin, Modesto, Midge, Glory of Pacific, M. Henderson, Lager, Bonnaffon, Robinson, Niveus, M Dean, Florence Pullmann, Merry Monarch, Childs, Phœbus. Erminalda, Shrimpton, Evangeline, Boehmer, Iora, E. Prass, Bigelow, Yanoma, F. Hardy, Merry Christmas, Queen, L. Canning, V. Morrell, Silver Cloud, White and Pink Ivory, Pitcher & Manda. 12 Pennsylvania and Philadelphia gratis with each order for 100 plants; from 2½ and 2 inch pots, $2.50 per 100; from soil, $2.00 per 100.

BABY PRIMROSES, 3 in., $4.00 per 100.

CYPERUS, 3 in., $3.00 per 100.

YELLOW PARIS DAISIES, in bud and bloom, 3 in., $3 00 per 100.

J G. EISELE, 20th and Ontario Sts., Phila., Pa.

Mention the Florists' Exchange when writing.

Good Strong Plants.

GERANIUMS, assorted varieties, 2½ in., $3 per 100. Mt. of Snow, Happy Thought, Rose, and two sorts bronzed, 2½ in., $3 per 100.

CHRYSANTHEMUMS, nice, strong plants, Robinson, W. R. Smith, Queen, Ivory, L. Canning John Shrimpton, Autumn Glory, Jessica, Mutual Friend, Har y Balsley, Golden Wedding, Erminilda, Glory of Pacific, Hicks Arnold and 10 other varieties. 2 in. pots, $2.50 per 100.

ALYSSUM, large double, 2 in. pots, $2 per 100.

AGERATUMS, Princess Pauline and Tapis Blue, 2 in., $2 per 100.

VERBENAS, Mammoth, 15 varieties, 2½ in. pots, $2 50 per 100.

SALVIA SPLENDENS, 2 in., $2 per 100.

PETUNIAS, Snowdrift, Imp. and Pink Beauty, 2½ in. pots, $3 per 100.

CASH WITH ORDER.

C. P. DIETERICH & BRO., Maysville, Ky.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Bessie Burton	Mrs. John J. Giessner
Bonnaffon	Modesto
Chillingsfordii	Mrs. S. T. Murdock
Glory of Pacific	Mrs. O. P. Bassett
Ivory	Niveus
J. H. Woodford	Rose Owen
Minerva	The Queen
Mme. F. Bergmann	Mrs. J. G. Whitldin
Miss Minnie Wannamaker.	

And others from 2½ in. pots, $2.00 per 100, $15.00 per 1000

HARDY POMPON CHRYSANTHEMUMS

in 10 named varieties, 2½ in. pots, $2.00 per 100; $15.00 per 1000. 10 named varieties rooted cuttings, $1.00 per 100; $7.50 per 1000.

CARNATIONS.

Bon Ton McGowan Portia

New York Wm. Scott

2½ in. pots, $2.00 per 100; $15.00 per 1000.

Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

BEGONIA CALEDONIA

The White Lorraine.

We are now booking orders for Fall Delivery.

Plants from 3 1-2 in. Pots, $5.00 Each.

R. & J. FARQUHAR & CO.,

16 & 19 S. Market St., Boston, Mass.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS COLEUS, Verschaffeltii, Golden Queen, assorted kinds. Usual prices.

L. H. FOSTER, 45 KING STREET, **Dorchester Mass.**

Mention the Florists' Exchange when writing.

COLEUS. Ver. and G. Bedder' $6.00, Select Fancy $5.00 per 1000. **New,** large-leaved varieties, gorgeous colors. **Corona,** a sport from G. Bedder, extra fine, scarlet with broad gold edge, $1.00 per 100. Following:

TRANSPLANTED. Alternanthera, P. Major, A. Nana, Pittsburg and Ama, hills, $6.50 per 1000 **Begonia Vernon** and **Erfordii. Heliotrope, Sage** and Sgl. **Petunia,** $1.20 per 100. Fine **Verbena,** 60c. per 100. Terms cash. Get trade list.

DANIEL K. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS 3 inch pots, including La France, Grant, Nutt, Jerome, $2 50 per 100.

IVY GERANIUMS, Double white, red and pink, 60 cents per dozen.

CARNATIONS, 2 inch pots; 4,000 Scotts; 600 L. McGowan, $1.00 per 100.

HARDY IVY, 3 inch pots, $3.00 per 100.

VINCA, yellow and white var., 40c. per doz.

Cash With Order.

ALEX. SCHULTZ, - Phillipsburg, N. J.

Mention the Florists' Exchange when writing.

ASPIDISTRA

Nice pot plants, 8 to 10 leaves, 5 cts. per leaf.

Carnations, John Young, New York, Eldorado, $1 50; G. H. Crane, $6.00; White Cloud, $4.00; Mrs. Jas. Dean, $3.00 per 100.

Unrooted John Young and New York, $6.00 per 1000.

Echeveria Secunda Glauca, young stock to give good plants till spring, 50c. per 100. Cash, please,

WILLIAM STUPPE, Hollis, L.I., N.Y.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS.

A bargain for ten days only, **$2.00 per 100; $15.00 per 1000.** Rooted cuttings of Ivory, Robinson, Bergmann, Bonnaffon, Murdock, etc.

VIOLETS A1 stock. Now is the time to order rooted cuttings. Marie Louise, Farquhar, Lady Campbell, Swanley White and Princess of Wales. ☞ WAITE FOR CATALOGUE.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

300,000 VERBENAS

60 finest named varieties, including our new **MAMMOTH WHITE MRS. McKINLEY.** The finest white Verbena grown.

Perfectly healthy. Free from rust.

Rooted cuttings, 60 cts. per 100; $5.00 per 1000. Plants, $2 50 per 100; $20.00 per 1000.

Our list is the choice from millions of seedlings

Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

WALTER MOLATSCH

New Early Yellow Chrysanthemum.

THREE CERTIFICATES A. C. S.

Price, 50c. each; $4.00 per doz.; $25.00 per 100.

For Sale by

OAILLEDOUZE BROS., Flatbush, Brooklyn, N. Y.

AND

H. A. MOLATSCH, - - - Brooklyn, N. Y.

68th St., bet. 8th and 9th Aves.

Mention the Florists' Exchange when writing

The Following Plants Out of 2½ in. pots, ready about May 1,

$2.50 per 100; $20.00 per 1000.

400 Salvia Splendens,	500 Lobelia (Crystal Palace),
500 Alyssum (Little Gem),	500 Kenilworth Ivy,
400 Ten-Weeks Stock,	800 Petunia (single),
500 Centaurea,	400 Myosotis.
500 Maurandya.	And other plants. CASH.

B. F. MUSCHERT, - - Penn Valley, Pa.

Mention the Florists' Exchange when writing.

SEEDLINGS

Grown from the best seed that money can buy. Fine plants.

	100	1000
Verbenas, extra Selected Mammoth	$0.30	$2 50
Phlox Drummondi nana compacta	.30	2.50
Asters, all varieties	.30	2 50
Mignonette, Golden Machet	.30	2.50
Candytuft, Empress	.25	2 00
Sweet Alyssum, Little Gem	.25	2.00

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

GREEN AND GOLD

MRS. SHEPHERD'S NEW FANCY PERENNIAL CHRYSANTHEMUM.

Entirely New and Distinct. A Lovely Variety, with **Foliage Beautifully Variegated Clear Yellow and Light Green, the Yellow Predominating.** Handsome without flowers, but when adorned with its Large, Double, Creamy White, Fluffy Blossoms it is **Beautiful Beyond Description.** It is a Vigorous Grower. **Comes True.** Does equally well bedded out or under glass. **A GRAND NOVELTY.**

Having a fine stock I offer this rare plant at **20c. each; $2 00 per doz.; $10.00 per 100.**

A SPLENDID NOVELTY FOR CATALOGUES.

MRS. THEODOSIA B. SHEPHERD, Ventura-by-the-Sea, Cal.

Mention the Florists' Exchange when writing.

Buffalo.

Easter Preparations.

The weather has been unseasonably bleak of late, with outdoor growths behind the average in development. It portends warmer, however, and which condition only seems needed to insure a good Easter business—a record breaker here, undoubtedly. The later store openings helped trade somewhat the first days of this week, with a lull now on.

A hasty glance at some of the leading dealers' places not noticed last week showed Palmer & Son in active preparations. Their Easter stock will be almost exclusively of their own production. Roses promise to be abundant, with violets too scarce and weak of quality to be pleasing. Their well-known high grade carnations will be in in but moderate quantity, but will bring high prices.

Lilium Harrisii are nicely timed and of enticing appearance—cool growa. With superbly done azaleas and Brunner and Laing roses in pots, an attractive showing will be made. A tri-arch supporting vases of flowers and plants, and a 5-foot standing galax cross garland decorated, will show effective as a window display. This firm will supply the novel feature of automobile delivery of Easter stock.

S. A. Anderson shows very healthy-looking Easter lilies; also some pretty ericas. He inclines this year to give more attention than before to plant trade, comparatively. Several pairs of extra large Rambler roses are here seen. These, and some rhododendrons of a pleasing and rather novel lavender tint, we are informed, were grown by the Lakeview Rose Garden, of Jamestown. A nice little novelty here seen are silvered jardinieres for holding 2½ and 4-inch pots, the which combine with small fern plants to good effect. His window display includes a 4-foot slanted galax cross, festooned with Harrisii lilies.

Adams has a superb Van der Cruyssen azalea as a window center piece. He is prepared for and expects a nice business. He issued a handsome card souvenir.

W. F. Kasting, the wholesaler, has occupied a near-by store with plant stocks; a good variety, including Geo. E. Fancourt's hydrangeas (and without which our Buffalo Easter would seem a bit unfinished) has been handled. Here, it is reported, that carnations are most scarce. Will it be again a history-repeated case of indiscreet holding back and an oversupply later in the week? We trust not. Smilax has met its scarce period, and little strings command good prices.

VIDI.

Toronto.

Trade News.

Business is very good for the season, and though stock is generally plentiful it is mostly used up at fair prices. The demand for Easter stock is very satisfactory. Lilies have come along fast during the past week, and are offered more freely than they were ten days ago. Azaleas are scarce, as are also general pot plants. Roses, double violets, tulips, hyacinths, valley and mignonette are abundant, but carnations are scarce. All of our stores are showing fine stock, and Easter trade promises to be an extra good one.

News Items.

The new president of the Industrial Exhibition, Dr. Andrew Smith, gave a dinner to the members on Monday, the 2d. The tables were decorated with plants from the city greenhouses, and looked very fine; the center of the table was filled with orchids, among which was a piece of white Cattleya Triana from Mr. Chambers; the best white variety I have ever seen. Mr. Chambers has done much to popularize orchids in this city. John H. Dunlop, who had just returned from New York covered with honors, was one of the guests, and was heartily congratulated on his success, which we all know was well deserved. We all feel very proud that our little town was so well represented at the great rose show, and hope there may be many such exhibitions in the future. Personally, I believe they do a great deal of good, both to the business and to the men that attend them.

THOS. MANTON.

Farquhar Violets Rooted cuttings, $10.00 per 1000; from 2½ inch pots, $3. 0 per 100, $25.00 per 1000. ☞ CASH WITH ORDER.

THOS. F. O'BRIEN, 26 Folsom Street, **Roslindale Mass.**

Mention the Florists' Exchange when writing.

The New Imperial Violet.

COLOR—The darkest blue grown.

FORM—The largest and most double.

HEALTH—The most vigorous.

PRODUCTIVENESS—An average of 70 blooms per plant last season; this season, from a closer selection, to date averages 88 and still blooming; 95 per cent. of all blooms grade as No. 1.

Send for Descriptive Circular and Prices to

W. L. MINOR,

Originator and Grower of the New Imperial Violet,

BROCKTON, MASS.

Mention the Florists' Exchange when writing.

VIOLETS—Princess of Wales

The only Violet to grow; strong rooted cuttings, $1.00 per 100. 2½-in. pots, $2 00 per 100.

EVENDEN BROS., Williamsport, Pa.

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MARIE LOUISE VIOLETS

100,000 Rooted Runners for Spring shipments, strong, healthy, A No. 1 stock, $4.50 per 1000.

Cash with order.

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ROOTED CUTTINGS

New Imperial Violet

From 2-inch pots: $3 per 100; $25 per 1000.

Satisfaction Guaranteed.

T. G. THRASHER, Avon, Mass.

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IMPERIAL VIOLET!

A few thousand **rooted cuttings** of this **grand** strain, taken from stock obtained direct from the originator.

Price, $45.00 per 1000; $5.00 per 100.

WM. E. GLIDDEN, West St., NATICK, MASS.

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Violets My Specialty

LA FRANCE,

The best and largest single violet, good-rooted plants, $3.00 per 100; $25.00 per 1000.

PRINCESS OF WALES,

$1.00 per 100; $8.00 per 1000. Cash please.

SEA CLIFF NURSERY, Sea Cliff, L. I., N. Y.

FD. BOULON, PROPRIETOR.

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ROOTED CUTTINGS OF PRINCESS OF WALES VIOLETS

Exceptionally good stock.

$2.00 per hundred. $15.00 per thousand.

SATISFACTION GUARANTEED.

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HELIOTROPE.

2 inch pots, $2.00 per 100.

Cannas, Mad. Crozy, 4 in. pots, $5.00 per 100. Cannas, seedlings of Mad. Crozy, 4 in., $5.00 per 100. 3 in., $3.00 per 100.

Baby Primrose, from flats, in bloom, $1 50 per 100.

Smilax plants, from flats, $1.00 per 100.

'Mums, Merry Monarch and Bonnaffon, 2 in., $2.00 per 100. Cash with order.

WM. KEIR, Pikesville, Md.

Mention the Florists' Exchange when writing.

BEDDING PLANTS!

Petunias, from Dreer's Superb Double Seed. 3 in. pots, $3.00; 4 in. pots, $6.00 per 100. **Geraniums,** 3 in. pots, $4 00; 4 in. pots, $6 00 per 100. **Blue Heliotrope,** 3 in. pots, $3; 4 in. pots, $5 per 100. **Flowering Begonias,** 10 varieties 2 in. pots, $2.00; 3 in. pots, $3.00; 4 in. pots, $5.00 per 100; Bedding Vernon, Pink and Red. Duchess of Edinburgh, 2 in. pots, $2 00; 3 in. pots, $3 per 100. **Artillery Plants,** 3 in. pots, $3; 4 in. pots, $5 00 per 100. **Dwarf Sweet Alyssum,** 2½ in. pots, $3.00 per 100. **Coleus,** Verschaffeltii and Golden Bedder, 2½ in. pots, $2 00 per 100; Mixed, $1.75 per 100; rooted cuttings, 60c. per 100. **Alternanthera,** red and yellow, 2½ in. pots, $1.75 per 100 Satisfaction guaranteed. Low express rates. Sample, 10c.

J. S. BLOOM, Reigelsville, Pa.

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THE Biggest Bargain OF YOUR LIFE.

100 Iris Miller An extra large-flowered salmon Carnation, very striking; a good seller, a good grower, and a good bloomer.

100 Leslie Paul A large-flowered deep pink or red Carnation, far ahead of anything in its color; a little late in coming, but if not topped after August 1st can be had in full bloom for Christmas.

100 Elsie Ferguson A large-flowered dark orange-salmon Carnation, a continuous bloomer from September to August, and very free; a decided novelty in color and a good one to have on the place.

The 300 for $5.00,

Or 50 of each for $2.50. No order taken for less than 50 of a variety, but will sell them separately at $2.00 per 100.

ALBERT M. HERR, Lancaster, Pa

CARNATIONS

Strong, Well Rooted Cuttings, Select Stock.

	Per 100	Per 1000
G. H. CRANE	$6 00	$50 00
MORNING GLORY	6 00	50 00
GEN. MACEO	6 00	50 00
GLACIER	6 00	50 00
AMERICA	5 00	40 00
GOMEZ	$5 00	$40 00
MRS. GEO. M. BRADT	5 00	40 00
WHITE CLOUD	4 00	30 00
MARY WOOD	3 00	25 00
MRS. F. JOOST	3 00	25 00

AND OTHER STANDARD SORTS.

FIVE 1900 NOVELTIES.

	Per 100	Per 1000
MRS. THOS. LAWSON	$14 00	$120 00
ETHEL CROCKER	10 00	75 00
MARQUIS	10 00	75 00
OLYMPIA	$12 00	$100 00
GENEVIEVE LORD	10 00	75 00

Send for Descriptive Price List.

F. DORNER & SONS CO.,

LAFAYETTE, IND. Mention paper.

Well-Rooted Carnation Cuttings

Clean stock. McGowan, $1.00 per 100; $8.00 per 1000. Victor, $1.25 per 100; $12.50 per 1000. Flora Hill, $1.25 per 100; $12.50 per 1000. White Cloud, $2.50 per 100; $20.00 per 1000.

Violet Clumps Princess of Wales, $1.00 a 100; La France, $5.00 a 100. Cash with order.

L. R. HANCOCK, Burlington, N.J. Lock Box 691.

Mention the Florists' Exchange when writing.

CARNATIONS

Rooted Cuttings.

	Per 100	1000
G. H. CRANE	$5.00	
AMERICA	3 00	$25.00
MELBA	3.00	25.00
LESLIE PAUL	3.00	25.00
GOV. GRIGGS	3.00	25.00
MRS. BRADT	2.50	20.00
FRANCES JOOST	2.50	20.00
EVANSTON	2.50	20.00
JUBILEE	2.00	15.00
NUGGET	2.00	15.00
FLORA HILL	1.50	12.50
TRIUMPH	1.50	12.50
VICTOR	1.50	12.50
DAYBREAK	1.25	10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
McGOWAN	1.00	7.50
MAYOR PINGREE	1.00	7.50
NIVEA	1.00	7.50
EVELINA	1.00	7.50
WM. SCOTT	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS.

	Per 100	1000
BRIDE	$1.50	$12.50
BRIDESMAID	1.50	12.50
METEOR	1.50	12.50
GOLDEN GATE	2.50	

ROSE PLANTS From 2½ in. Pots.

	Per 100	1000
BRIDESMAID	$3.00	$25.00
BRIDE	3.00	25.00
PERLE	3.00	25,00
METEOR	3.00	25.00
GOLDEN GATE	4.00	35.00
KAISERIN	4.00	35.00

All plants and cuttings sold with the express understanding that if not satisfactory they are to be returned at once, when money will be refunded.

Write for prices on larger lots.

PETER REINBERG,

51 Wabash Ave., Chicago.

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GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

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NEW CROP WINTER-BLOOMING

Carnation Seeds!

Hand Fertilized, 25c. per 100. Cash with order.

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New Carnation-ALMA

The most productive Carnation we have. Rose Pink, new, $5.00 per 100; $40.00 per 1000.

Daybreak, $2.00 per 100; $15.00 per 1000.
Wm. Scott, Genesee, Evelina, Portia and **Bon Ton,** $1.50 per 100; $10.00 per 1000.
Victor, $1.50 per 100; $12.00 per 1000.
F. Hill, $1.75 per 100; $15.00 per 1000.
White Cloud, $2.50 per 100; $20 per 1000.
Jubilee, $2.00 per 100; $15.00 per 1000.

BABY PRIMROSE 3 in., strong, per doz., $1.50; per 100, $10 00.

C. MERKEL & SON, Mentor, Ohio

Mention the Florists' Exchange when writing.

Wm. Scott Carnation

Cuttings are going fast, every first order sent out has hatched another, so do not delay but order at once, as they will not last long, at **$6.00 per 1000.**

Mrs. Joost, Melba, $2.50 per 100; $20.00 per 1000.
Flora Hill, Daybreak, $1.25 per 100; $10 per 1000.
General Maceo, $4.00 per 100; $35.00 per 1000.
Victor, Mayor Pingree, $1 per 100; $9 per 1000.
Jubilee, $1.50 per 100; $12.00 per 1000.

10,000 PETUNIA CUTTINGS Well-rooted, double, of the best selected vars., $1.50 per 100; $12 per 1000. Cash with order.

CARL E. TAUBE, Trenton, N. J.
MERCER FLORAL CO.

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CARNATIONS

From 2¼ Inch Pots.

	100	1000
Lizzie McGowan	$1.50	$9.00
Mrs. James Dean	2.00	
John Young	2.00	
Triumph	2.00	
Jack Frost	2.00	
Wm. Scott	2.00	15.00
Elsie Akehurst	5.00	40.00

Cash with order, please.

C. AKEHURST & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

PETUNIAS, DOUBLE FRINGED

A good assortment of Money-Makers.

The plants we offer are strong stock, from 2 inch pots, at $2.00 per 100; $18.00 per 1000.

E. I. RAWLINGS, - Quakertown, Pa

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Last Call for Carnations

10,000 R. C.; let us know your wants.

10,000 Unrooted Carnations as follows:

	Per 100		Per 100
2000 G. H. Crane	$2.00	400 White Cloud	$1.00
1500 Mrs. G. Bradt	1.25	1000 Flora Hill	.50
700 Gold Nugget	1.00	1600 America	1.50
1300 Mary Wood	1.50	1000 Glacier	1.50
1000 Melba			1.25

500	Yellow Baby Primrose, in bloom, 2½ in.	5.00
500	De Roo Mitting Geranium, new, 2¼ in.	5.00
1000	Obconica Primula, in bloom, 2½ in.	2 50
1000	" " " 5 in.	8.00
1000	Chinese Primula, 2¼ in.	1.00
7000	Named Geraniums, our selection, 2¼ in.	2.00
4000	Double Petunias, mixed, 2¼ in.	2.00
2000	Petunias, single, Giant of California, 2¼ in.	2.00
3000	Mme. Salleroi Geranium, 2¼ in.	1.50
30,000	Coleus, our selection, 2¼ in.	1.50
10,000	" mixed, 2¼ in.	1.25
10,000	Large Pansy Plants, in bud	1.00
1000	Red and Yellow Iresines, 2¼ in.	1.50
10,000	Alternanthera, red, and large-leaved, 2¼ in.	1.50
5000	Forget-Me-Not, 2½ in.	1.50
1500	Lobelia, Crystal Palace Gem, 2¼ in.	1.50
1000	California Moss, 2¼ in.	1.50
1000	Mesembryanthemum Erectum, 2¼ in.	1.50

BEGONIAS.

2000	Red Vernon, bedder, 2¼ in.	1 50
2000	Pink Erfordii, bedder, 2¼ in.	1.50
2000	Sandersoni, bedder, 2¼ in.	1.50
5000	Our selection, named, 2¼ in.	1.50

Let us know your wants on FERNS, 5 in. 10.00

THE MORRIS FLORAL CO., Morris, Ill.

Mention the Florists' Exchange when writing.

GENEVIEVE LORD

The Peerless New Pink Carnation.

IN all of our long experience we have never had a Carnation produce as many first-class, high-grade blooms to the square foot as Genevieve Lord. It blooms early and the year round. Its color is just right; "beautiful," "lovely," "exquisite," "perfectly charming," are some of the adjectives used by some of our lady customers in describing it. With all its good productiveness, size is a leading feature, large enough to put it away up front. Its grand stem is perhaps its crowning feature. What is a flower without a stem? Genevieve Lord stands up straight twelve months in the year. When you think of all this, and a non-bursting calyx thrown in for good measure, there is little left to be desired. We are pleased to announce that we can fill orders promptly after April 10th, but do not know how long we can promise this, as stock is going rapidly. To clinch matters and drive a good bargain, order at once.

Price, doz., $2.00; 100, $10.00; 1000, $75.00.

Can also furnish all of the big new ones at introducers' prices, as well as the best standard varieties.

CHRYSANTHEMUMS A complete list of the best new and standard. ☞Catalogue free to all applicants.

H. WEBER & SONS, OAKLAND, MD.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000		Per 100	Per 1000
Mrs. Lawson	$14 00	$120 00	Flora Hill	$1 25	$10 00
G. H. Crane	5 00		Daybreak	1 25	10 00
America	5 00	40 00	Argyle	1 25	10 00
White Cloud	2 00	15 00	Armazindy	1 25	10 00
Triumph	2 00	15 00	Lizzie McGowan	75	5 00
Evanston	2 50	20 00	Mayor Pingree	1 00	7 50
Jubilee	2 00	15 00	W. Scott	1 00	7 50
Gold Nugget	2 00	15 00	Tidal Wave	1 00	7 50

ROSES.

	Per 100	Per 1000		Per 100	Per 1000
La France	$2 00	$17 50	Meteor	$1 50	$12 50
Perle	1 50	12 50	Bride	1 50	12 50
Bridesmaid				1 50	12 50

PLANTS—From 2½ inch pots.

	Per 100	Per 1000		Per 100	Per 1000
Meteor	$3.00	$25.00	Perle	$3.00	$25.00
Maid	3.00	25.00	La France	3.50	30.00
Bride	3.00	25.00	Kaiserin	4.00	35.00

Stock to be first-class and to be sold under the conditions that they shall be returned immediately if not satisfactory. Address

GEORGE REINBERG, - 51 Wabash Ave., Chicago, Ill.

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Fine ROSES and CARNATIONS, Specialties.

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THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
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...Wholesale Prices of Cut Flowers...

	Names and Varieties	New York April 13, 1900	Boston April 12, 1900	Philadelphia April 5, 1900	Baltimore April 11, 1900	Buffalo April 11, 1900
Roses	A. BEAUTY, fancy—special	15.00 to 25.00	20.00 to 25.00	40.00 to 50.00	.... to	40.00 to 50.00
	" extra	12.00 to 15.00	12.50 to 16.00	25.00 to 35.00	.... to	25.00 to 30.00
	" No. 1	8.00 to 10.00	8.00 to 12.50	15.00 to 25.00	.. .. to	10.00 to 20.00
	" Culls & ordinary	2.00 to 4.00	3.00 to 8.00	5.00 to 15.00	.... to	.... to ....
	Bride, 'Maid, fancy—spc'l	8.00 to 10.00	.... to 16.00	10.00 to 15.00	.... to	.... to ....
	" extra	5.00 to 6.00	12.50 to 14.00	8.00 to 10.00	.... to 8.00	12.00 to 15.00
	" No. 1	3.00 to 4.00	6.00 to 10.00	6.00 to 8.00	.... to 6.00	8.00 to 10.00
	" No. 2	2.00 to 3.00	2.00 to 6.00	3.00 to 6.00	.... to 4.00	.... to ....
	K. A. Victoria	.... to	.... to	4.00 to 8.00	4.00 to 8.00	.... to ....
	La France	3.00 to 6.00	.... to	.... to	3.00 to 6.00	.... to ....
	Meteor	2.00 to 8.00	3.00 to 12.50	4.00 to 10.00	5.00 to 8.00	8.00 to 14.00
	Papa Gontier	.... to	.... to	.... to	3.00 to 5.00	.... to ....
	Perle	2.00 to 5.00	2.00 to 10.00	3.00 to 8.00	3.00 to 5.00	6.00 to 8.00
	Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
	ORCHIDS—Cattleyas	50.00 to 60.00	.... to	.... to 50.00	.... to	.... to ....
	Cypripediums	.... to 12.50	.... to	.... to 15.00	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	25.00 to 35.00	.... to	.... to ....
Carnations	Inf'r grades, all colors	1.75 to 2.00	1.50 to 2.00	1.00 to 1.50	1.00 to 1.50	.... to ....
	STANDARD VARIETIES White	3.00 to 4.00	2.50 to 3.0	1.50 to 2.50	2.00 to 2.50	2.50 to 4.00
	STANDARD VARIETIES Pink	3.00 to 4.00	2.50 to 3.00	1.50 to 2.5	2.00 to 2.50	2.50 to 4.00
	STANDARD VARIETIES Red	3.00 to 4.00	2.50 to 3.00	1.50 to 2.50	2.00 to 2.50	2.50 to 4.00
	STANDARD VARIETIES Yel.&Var	3.00 to 4.00	3.00 to 3.50	1.50 to 2.5	2.00 to 2.50	.... to ....
	*FANCY— White	6.00 to 8.00	3.00 to 3.50	2.50 to 4.00	3.00 to 4.00	5.00 to 6.00
	*FANCY— Pink	5.00 to 8.00	.... to 3.50	2.50 to 4.00	3.00 to 4.00	5.00 to 6.00
	*FANCY— Red	5.00 to 8.00	.... to 3.50	2.50 to 4.00	3.00 to 4.00	5.00 to 6.00
	*FANCY— Yel.&Var	5.00 to 8.00	.... to 4.00	2.50 to 4.00	3.00 to 4.00	5.00 to 6.00
	(*The highest grades of standard var) NOVELTIES	8.00 to 15.00	5.00 to 6.00	3.00 to 5.00	.... to	.... to ....
	ADIANTUM	.50 to .75	.... to 1.00	1.00 to 1.50	.... to 1.00	1.00 to 1.50
	ASPARAGUS	35.00 to 50.00	.... to 50.00	35 00 to 50.00	25.00 to 75 00	50.00 to 60.00
	CALLAS	8.00 to 12.50	12.50 to 14.00	10.00 to 12.50	12.00 to 16 00	8.00 to 12.00
	HYACINTHS	1.00 to 2.00	.... to	2.00 to 4.00	1.00 to 3.00	3.00 to 5.00
	LILIES	8.00 to 12.50	8.00 to 12.50	10.00 to 15.00	.... to 15.00	.... to 15.00
	LILY OF THE VALLEY	2.00 to 3.00	1.00 to 4.00	2.00 to 4.00	.... to	3.00 to 4.00
	MIGNONETTE—ordinary	2.00 to 3.00	1.00 to 2.00	1.00 to 3.00	1.50 to 2.0	2.00 to 3.00
	" fancy	4.00 to 6.00	3.00 to 4.00	3.00 to 4.00	.... to	5.00 to 6.00
	NARCISSUS	2.00 to 2.50	1.50 to 4.00	3.00 to 4.00	.... to	3.00 to 4.00
	SMILAX	15.00 to 25.00	12.50 to 16.00	16.00 to 25.00	15.00 to 25.00	15.00 to 20.00
	SWEET PEAS	1.00 to 2.50	.... to 1.00	1.50 to 2.00	.... to	1.25 to 1.50
	TULIPS	3.00 to 4.00	2.50 to 4.00	3.00 to 4.00	2.00 to 4.00	3.00 to 4.00
	VIOLETS	.25 to .40	.30 to .50	20. to .5	.30 to .50	.60 to 1.00
	VIOLETS, special	.50 to .75	.60 to .75	.50 to 1.00	.... to	1.00 to 1.25

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

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Asparagus Plumosus, Orchids, Mignonette, Brides, 'Maids, American Beauties
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...Wholesale Prices of Cut Flowers...

	Names and Varieties	Chicago Apr. 11, '00	St. Louis Apr. 10, '00	Cincinnati Apr. 10, '00	Milwaukee Apr. 9, '00	Pittsburg Apr. 10, '00	Toronto Apr. 11, '00
Roses	A. Beauty, fancy—special.	50.00—60.00	0 00—50.00	....—	35.00—50.00	10.00—60.00	40.00—60.00
	" extra	35.00—40.00	25.00—35.00	....—	20.00—25.00	25.00—35.00	....—40.00
	" No. 1	15.00—25.00	12.50—20.00	....—	10.00—12.50	15.00—20.00	....—30.00
	" Culls & ordinary	5.00— 8.00	6.00—10.00	....—	6.00— 8.00	5.00—10.00	....— ....
	Bride, Maid, fancy-spec'l	7.00— 8.00	....—10.00	....— 7.00	10.00—12.00	16.00—18.00	....—15.00
	" extra	5.00— 6.00	....— 8.00	....—	8.00— 8.00	12.00—15.00	12.00—13.00
	" No. 1	3.00— 4.00	5.00— 6.00	....—	4.00— 8.00	8.00—12.00	10.00—12.00
	" No. 2	....—	3.00— 4.00	4.00—	3.00— 4.00	3.00— 6.00	3.00— 8.00
	K. A. Victoria	....—	....—	....—	....—	6.00—12.00	....— ....
	La France	6.00— 8.00	....—	....—	....—	....—	....— ....
	Meteor	4.00— 8.00	4.00— 8.00	4.00— 8.00	6.00— 8.00	6.00—18.00	3.00—12.00
	Papa Gontier	4.00— 8.00	....—	....—	....—	....—	....— ....
	Perle	4.00— 6.00	4.00— 8.00	4.00— 6.00	4.00— 8.00	6.00—12.00	2.00— 8.00
	Souv. de Wootton	....—	....—	....—	....—	....—	2.00—12.00
	Orchids—Cattleyas	....—50.00	....—	....—	....—	....—	25.00—35.00
	Cypripedium	....—	....—	....—	....—	....—	....—16.00
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	Inf'r grades, all colors	1.00— 1.50	1.50— 2.00	....— 1.00	3.00— 4.00	1.50— 2.00	....— 2.00
	Standard Varieties White	1.50— 2.00	3.00— 4.00	....— 2.00	3.00— 4.00	2.00— 2.50	3.00— 4.00
	Standard Varieties Pink	1.50— 2.00	3.00— 4.00	1.50— 2.00	3.00— 4.00	2.00— 2.50	3.00— 4.00
	Standard Varieties Red	1.50— 2.00	3.00— 4.00	1.50— 2.00	3.00— 4.00	2.00— 2.50	3.00— 4.00
	Standard Varieties Yel. & Var.	1.50— 2.00	3.00— 4.00	....—	3.00— 4.00	2.00— 2.50	3.00— 4.00
	*Fancy— White	3.00— 4.00	5.00— 6.00	3.00— 4.00	4.00— 6.00	3.00— 4.00	5.00— 6.00
	*Fancy— Pink	3.00— 5.00	5.00— 6.00	3.00— 4.00	4.00— 6.00	3.00— 4.00	5.00— 6.00
	*Fancy— Red	3.00— 5.00	5.00— 6.00	3.00— 4.00	4.00— 6.00	3.00— 4.00	5.00— 6.00
	*Fancy— Yel. & Var.	3.00— 4.00	6.00— 6.00	3.00— 4.00	4.00— 8.00	3.00— 4.00	5.00— 6.00
	Novelties	....—	....—	....—	....—	....—	....— ....
	Adiantum	.75— 1.00	....— 1.00	.50— 1.00	....— 1.00	1.00— 1.25	....— .75
	Asparagus	40.00—50.00	....—	....—50.00	....—60.00	35.00—75.00	30.00—50.00
	Callas	10.00—12.00	10.00—15.00	....—50.00	....—12.50	8.00—10.00	10.00—12.00
	Hyacinths	2.00— 6.00	2.00— 6.00	2.00— 3.00	....—	....—	3.00— 7.00
	Lilies	10.00—12.50	12.50—15.00	12.00—15.00	12.50—15.00	8.00—20.00	9.00—12.00
	Lily of the Valley	3.00— 4.00	3.00— 4.00	3.00— 4.00	....— 4.00	3.00— 4.00	2.50— 4.00
	Mignonette—ordinary	2.00— 4.00	....—	....—	....— 3.00	2.00— 2.50	3.00— ....
	Mignonette— fancy	....—	....—	....—	....—	3.00— 4.00	....— 6.00
	Narcissus	1.00— 3.00	3.00— 4.00	....— 3.00	....—	....—	2.00— 4.00
	Smilax	10.00—12.50	....—12.50	....—15.00	20.00—25.00	20.00—25.00	15.00—20.00
	Sweet Peas	1.50— 2.00	1.00— 2.00	....—	....— 1.00	2.00— 3.00	2.00— 6.00
	Tulips	2.00— 4.00	3.00— 8.00	3.00— 4.00	2.00— 4.00	4.00— 6.00	2.00— 4.00
	Violets	.40— .50	....— .25	....— .50	....— .50	.40— .50	....— .50
	Violets—special	.75— 1.00	....— .50	....—	.75— 1.00	.75— 1.00	....— 1.25

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Jacqs., Brides, Maids, Violets,
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CUT STRINGS, 8 feet long.
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Shipped to any part of the country.
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Transplanted strong seedlings, $2.50 per 100.
Cash, please.
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Finest strain in the world. Now ready to ship a splendid stock of plants, in four separate colors, from 2 in. pots, $4.00 per 100; $35 a 1000. From 2½ in. pots, $5.00 per 100; $40.00 per 1000.
SATISFACTION GUARANTEED.
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SURPLUS STOCK OF GOOD VALUE.
Asparagus Spengeri. 6 in., 35c., 10 in. baskets, $1.00.
Asparagus Plumosus Nanus. 3 in., $8.00 per 100.
Ipomœa, blue, strong. 2¼ in., $3.00 per 100.
Alyssum, double white, strong. 2½ in., $3.00 per 100. Cuttings, 60c. per 100.
Thrinax, variegated, strong. 2½ in., $3.00 per 100.
Violets, California, strong, 3½ in., $3.00 per 100. Runners, $1.00 per 100.
Transplanted Plants, $1 50 per 100 of Stocks, Dbl. White, Mignonette, true Machet, Hollyhock, Dbl. White, Jerusalem Cherry, Ardisia Crenulata.
Carnation Cuttings, strictly clean. Daybreak, $2.00 per 100; Scott, $1.50 per 100; Sandusky, $2.00 per 100; Maude Adams, $2 00 per 100; St. Clair, red, money maker, $2.50 per 100
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A FEW GOOD THINGS YOU WANT
Asparagus Plumosus, 3 in., $6 00 per 100.
Rex Begonia, 3 in., mixed, $4.00 per 100.
Marguerite Daisy, large flowering white, 2 in., $3.00 per 100. **Nephrolepis Cordata Compacta and Boston Fern,** 2 in., $4.00 a 100.
Kentia Belmoreana and Forsterlana, 4 in., nice plants, 40c. each; 3 in., 20 cts. each.
GERANIUMS Sam Sloan, Bonnatt, Single Grant, Mrs. E. G. Hill and S. A. Nutt, 2 in., $3.00 per 100.
ENGLISH IVY 2 in., $3 00 per 100.
CAMPBELL VIOLETS, Rooted runners, 50 cts. per 100.
COLEUS, red and yellow, rooted cuttings, 60c. per 100.
CARNATIONS Rooted Cuttings: Daybreak, Iago, Flora Hill, $1.25 per 100. Scott, Fisher, Portia, McGowan, Alaska, Peachblow, 75c. per 100. *Cash with order.*
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The Grand New Double Petunia
PINK QUEEN
The finest ever introduced, stocky grower, flowers monstrous in size, very double, finely fringed, and having a strong sweet fragrance. Color, a taking shade of light pink, being a solid shade, like the Rose Mme. Caroline Testout, a great advance over all other varieties. As fine in its way as Gloire de Lorraine among Begonias Will surely be in every florist's stock. Sells quickly at double the price of old sorts. A splendid stock ready to send out.
Get in on the ground floor, or you will be sorry. There will be money in this for you the second season.
Strong, 3½ inch pot plants, 35c. each; $1.00 per doz.
Cash from unknown parties. Correspondence invited
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Fine Stocky Plants
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ALTERNANTHERAS, yellow, $1.75; red	$2 00
OXALIS FLORIBUNDA, fine for vases	2 00
AGERATUM, 3 varieties	2 00
DOUBLE PETUNIAS, 3 in. pots	3 75
COLEUS, 2x2½ in. pots, good assortment	2 00
GERANIUMS 2½ in. pots, my selection	3 00
" " " "	4 00
CENTAUREA GYMNOCARPA, 2 in. pots	2 00
VERBENAS, 2x2½ in. pots, good assortment	2 00
VINCA VINES, 2 vars., fine for vases	3 00
ASPARAGUS SPRENGERI, May 1st	3 00
SMILAX, 2 in. pots, May 1st., per 1000, $8.00	1 00
CARNATIONS, 5 vars., 2 in pots	3 00
PANSY PLANTS, from cold frame	2 00

CASH, PLEASE.
JOS. H. CUNNINGHAM, Delaware, Ohio.
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NEW GERANIUMS
IT'S A GOOD TIME TO BRIGHTEN UP YOUR COLLECTIONS BY ADDING TO IT SOME OF THE RECENT INTRODUCTIONS.
A SET OF SIX SPLENDID NEW DOUBLE FOR $1.25
A SET OF SIX NEW BRUANT FOR $1.25
A SET OF FOUR NEW SINGLES FOR 75 CENTS
GERANIUMS, splendid assortment of best bedding varieties, $3.00 per 100; $25 per 1000.

	Per 100
Acalypha Macafeana	$5 00
Alamanda Williamsi	8 00
Begonia Rex	5 00
Begonia Manicata Aurea	5 00
Cobæa Scandens	4 00
Coleus, in variety	2 50
Cannas, all leading varieties, strong started plants	4 00
Hibiscus Sinensis, 5 varieties	3 00
" Sinensis Peachblow	10 00
Hollyhocks, 4 separate colors	5 00
Lantanas, good assortment	3 00
Moon Vines, white and blue	3 00
Pinks, hardy garden	3 00
Salvia Splendens	2 50

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LIBERTY, the new crimson-scarlet forcing rose, strong, 3 in. pots, $25 per 1000.
EVERBLOOMING ROSES, large stock C. Sonpert, Mosella, Champion of the World, Etoile de Lyon, Bermosa and 60 other best bedding varieties. $3 00 per 100; $25 per 1000.
CRIMSON RAMBLER, $3.00 per 100
MARECHAL NIEL 2.50 "
Strong, 2-year-old, field-grown Roses.

	Per 100
Hybrid Perpetuals, in variety	$10 00
Hardy Climbers, in variety	8 00
Crimson Rambler, very strong	15 00
Wichuraiana	6 00
Wichuraiana Hybrids	8 00

AZALEA MOLLIS strong bushy plants, $35.00 per 100.
RHODODENDRONS Extra fine stock, well set with buds, 15-16 in., $7.00; 18-24 in., $9 00; 24-30 in., $12 00 per dozen.
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100,000 CUTTINGS
	Per 100
Achyranthes	$1.00
Alternantheras, red and yellow, $5 per 1000	.60
Alternantheras, summer struck, $9 per 1000	1.00
Ageratum blue and white	1.00
" Princess Pauline	1.25
Alyssum, Double Giant	1.00
Begonia Erfordii	2.00
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COLEUS—	
Fancy and large leaf	1.00
Verschaffeltii, yellow and selected kinds, $7 a 1000	.80
COLEUS—	Per 100
Mixed colors, $5 per 1000	$0.60
Forget-Me-Not (Winter Flowering)	2.00
GERANIUMS—	
Named	2.00
Mixed	1.50
Mrs. Parker (Double Pink)	
Silver Leaf	4.00
Silver Leaf, Rose Scented	1.50
Mme. Salleroi	1.25
Double New Life	4.00
Mrs. Pollock and Happy Thought	2 00
Bronze	2.00
Mars, Freak of Nature	3.00
Mme. Bruant	2.50
Fuchsias, assorted	1.50
" Sun Ray (variegated)	4 00
Fuchsias, Trailing Queen	$1.50
German Ivy	1.25
Heliotrope, purple and white	1.25
Impatiens Sultani	2.00
Lantana, assorted	1.50
" trailing	2.00
Lemon Verbena	1.50
Lobelia	1.00
Manettia Bicolor	2.00
Tradescantia Tricolor	2.00
Salvia	1.25
Stevia Var.	1.50
Verbenas, $6.00 per 1000	.75
Vinca Var., extra strong	1.50
Anthemis Coronaria (Double yellow Marguerite)	2.00

PLANTS.
	Per 100
Abutilon Var., trailing, 2¼ in	$4.00
Antherieum, 3 in	6.00
BEGONIAS—	
Rex, 4 inch	10.00
" assorted, 2¼ in	4.00
" named, 2¼ in	6.00
Fragrant Calla, 2¼ in., 1.50 per doz.	
Fragrant Calla, 4 in., $3.00 per doz.	
Forget-Me-Not (Winter Flowering) 2¼ in	$4.00
Fuchsias, 2¼ in	4.00
GERANIUMS—	
Happy Thought, 2¼ in	4.00
Silver Leaf, 2¼ in	4.00
Mrs. Pollock, 2¼ in	4.00
LEMON VERBENAS, $3.00, $4.00 and	6.00
Mignonette, 2 in	$2.00
Manettia Bicolor, 2¼ in.	4.00
Palm Washingtonia Filifera, 2¼ in	4.00
Pansy Plants, $8 a 1000.	1.00
" " $5 a 1000.	.60
Single Petunias, from flats	1.50
Vinca, 2¼ in	3.00

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L. H. Campbell, California, rooted runners, 60c. per 100; $5.00 per 1000. Princess of Wales, the best single Violet, and Swanley White, 75c. per 100; $7.00 per 1000.
Baby Primrose, by division, 3c. per doz., by mail per 100, $2.00. CASH WITH ORDER.
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COLEUS.
Crimson Verschaffeltii and Golden Queen, $7.00 per 1000, 75c. per 100; 2 in. pots, $1.50 per 100. Coleus in variety, $5.00 per 1000, 60 cts. per 100; 1¾ in. pots, $1.25 per 100.
AGERATUM, Blue and White, 75c. per 100; 1¾ in. pots, $1.25 per 100. Princess Pauline, $1.00 per 100 1¾ in. pots, $1.50 per 100.
GIANT ALYSSUM, $1.00 per 100.
SALVIA, Splendens and Bedman, $1.25 per 100; 2 in. pots, $1.75 per 100.
HELIOTROPE, 6 vars., named, $1.00 per 100; 1¾ in. pots, $1.50 per 100.
CUPHEA (Cigar Plant), $1.00 per 100.
FUCHSIAS, $1.50 per 100; 2½ in. pots, $2.50 per 100.
FEVERFEW, $1.50 per 100; $12.00 per 1000; 2 in. pots, $2.00 per 100.
VINCAS, $1.25 per 100; $10.00 per 1000. 4 in. pot, $8.00 per 100; $70 per 1000. Fine plants.
The above are rooted cuttings, except when noted. Cash must accompany all orders.
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COLEUS
	100	1000
Crimson Verschaffeltii, Golden Bedder and Golden Queen	$0.75	$6.00
In variety	.60	5.00
Ageratum, blue and white	.60	
" Princess Pauline	.75	
Giant Sweet Alyssum	.60	
Double Petunias, 30 varieties	1.25	
Salvia Splendens and Bedman	1.00	
Heliotropes, 12 varieties	1.00	
" 2 inch pots	2.00	
Alternantherna, P. Major and A. Nana, from soil	.60	5.00

Special price on large orders. Plants by the 100, by mail, prepaid. The above are rooted cuttings. Cash with order.
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AMERICA Out of 4 inch pots, strong, grandest Geranium under the sun, 50c. each; $5.00 per doz.; $25.00 per 100.
MARS 2½ inch pots, fine plants standard border Geranium $4.00 per 100; $35.00 per 1000.
DRYDEN 2½ inch pots, strong plants. finest fancy bedder, will become a favorite standard when better known, $10.00 per 100.
NOVELTY SET (15) of 1899, including one AMERICA, 2½ inch pots, greatest money value of the season, $2 00 per set.
Our stock is in the healthiest possible condition. Cash, please.
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Unequaled Varieties VERBENAS Vigorous Stock.
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Best Mammoths,	strong pot plants	$3.00	$25.00
" "	rooted cuttings	1.00	8.00
Older " "	"	.75	5.00
" "	strong pot plants	2.50	20.00

ROOTED CUTTINGS CARNATIONS VIGOROUS STOCK
General Maceo, G. H. Crane, $6.00 per 100 $50.00 per 1000.
America, Melba, Gen. Gomez, 75c. per doz.; $5.00 per 100; $40.00 per 1000.
White Cloud, Gold Nugget, $4.00 per 100; $30.00 per 1000.
Bon Ton, New York, Jubilee, Frances Joost, $2 50 per 100; $20.00 per 1000.
Flora Hill, Eldorado, Alaska, Jahn's Scarlet, Sea Shell, Victor, $2.00 per 100; $15.00 per 1000.
Alaska, Lizzie McGowan, Wm. Scott, Portia, $1.50 per 100; $12.00 per 1000.
Rooted CHRYSANTHEMUMS Cuttings
Send for list of 90 best Varieties.

ROSES.
Bridesmaid, Bon Silene, Catherine Mermet, Duchess of Albany, Golden Gate, Maid of Honor, Perle des Jardins, Pres. Carnot, Sunset, The Bride, from 2¼ in. pots, $5.00 per 100, $40.00 per 1000.

MISCELLANEOUS.
	100	1000
Anthemis, Double Golden Marguerite	$2.00	
Ageratum, blue and white	1.00	$8 00
" Princess Pauline	1.60	
Coleus, all leading sorts	1.00	8.00
Fuchsias, double and single	2.00	15.00
Feverfew	1.50	12.00
Heliotrope, light and dark	1.25	10.00
Impatiens Sultani	2.00	
Moon Vines, true	2.00	15.00
Salvias, Splendens and Bedman	1.25	10.00

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HARDY PINKS.
Rooted Cuttings. Now Ready. 7 Sorts, as follows: HER MAJESTY, Giant White. ALBA FIMBRIATA, White, fringed. BRUNETTE, Pink, with maroon markings. EARL OF CARLISLE, Variegated, maroon, rose and white. GERTRUDE, White, maroon markings. LAURA WILMER, Pink, with darker shadings, fringed. MAY, beautiful flesh-pink, very fragrant.
$1 per 100, postpaid; $8 per 1000, by express.

Flowering Begonias.
25 sorts, Metallica, Argentea Guttata, Glaucophylla Scandens, the great hanging basket variety, Etc., $1.50 per 100, postpaid; $12.50 per 1000, by express.
Fuchsias New Batch of Single and Double Fuchsias, cuttings now ready, 25 best sorts, labeled, $1.25 per 100, postpaid; $10.00 per 1000.
Double Petunias Labeled, same price as Fuchsias.
Clematis Paniculata Transplanted, $2.00 per 100, postpaid.
Madeira Vine Roots Strong, plump tubers, 50 cts. per 100; $4.00 per 1000.
SATISFACTION GUARANTEED.
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Easter Trade Prospects.

Trade prospects for Easter are about an average, both as to plants and cut flowers. There are a few instances in which the demand is larger than the supply; but with the exception of carnations, which are extremely scarce, there will be little trouble to get sufficient to fill all orders.

In plants, which are getting more popular each recurring Easter, of course lilies take first place. The supply is just about the average; the quality has a wide range and seems wholly to depend on the freedom of the specimen from disease. A variety that is rapidly coming into favor here is the black-stemmed Japanese L. Takesima, a medium grower, but rather more shy of flowering than Harrisii. As far as known here it is perfectly free from disease. One peculinrity which makes it especially valuable for small growers or private gardeners is, that with fairly good treatment the bulbs will increase in size, number and floriferousness each year. Lilium grandiflolium albo-marginata will be far more largely grown in the future.

Azalens are in large supply, are of uniform high quality and seem destined to play quite an importnnt part in the Easter trade. The colored varieties are in a big majority. Among the largest holders of these, Campbell and Marten & Sons may be mentioned. Spiræn, valley, etc., are in just about the average quantity, and are of uniform good quality. There is no question but that the two big lots of stock that have been so regretably ruined the past Winter are greatly missed.

In cut flowers roses will be in fairly good supply, and of good quality. The present very bright weather coming so suddenly after such a loug dull spell has had a deterrent effect on local grown stock.

In carnations the Western wholesnle rate of $12 per 100 charged for scarlet is simply prohibitive; other lines are also scarce and are quoted very high.

Double daffodils have been in good demand all Winter, and will be in very large supply at Easter; as will also Poeticus oruatus. Tulips are not moving very freely yet, but a large quantity of the highest quality can be seen, Marten & Sons especially haviug an extra fine lot of Vermillion Brilliant. Hyacinths are but very little seen this Winter. P. McKenna & Sons are sending in a lot of extra Crimson Rambler roses, which find a ready snle.

Chrysanthemum Show.

At the regular meeting of the club Monday eveuing the report of the Executive Committee. having reference to the chrysanthemum show, was concurred in; and the exhibitiou will be held in the Windsor Hall, on November 6, 7, aud 8. The prize lists, which were distributed that evening, embrace 68 sections. Cash prizes to the amount of $440 are offered.

A most interestiug paper on celery culture was read by W. Hall, and judging by the discussion following it was highly appreciated.

J. Pidduck, one of our most energetic members, was elected to the position on the Executive Committee rendered vacant by the regretted resignation of William Wilshire.

Roses can Enter as Greenhouse Plants.

In response to inquiries made of the Dominion Government officials at Ottawa, by Joseph Bennett, of this city, he has just received word that the embargo on roses has beeu raised, and that in future they will be allowed to enter Canada as greenhouse plants. No particulars are given, but the roses mentioned are supposed to be the varieties that are grown in greenhouses for cut flower purposes, as it was the exclusion of the new Liberty rose that prompted the inquiries. B.

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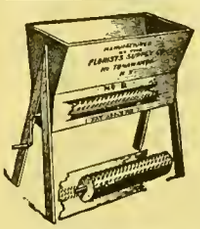

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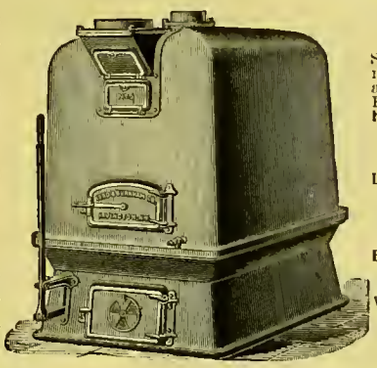

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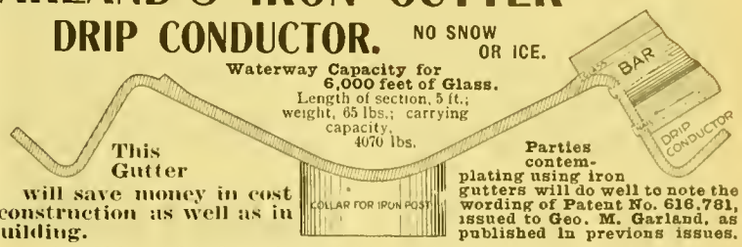

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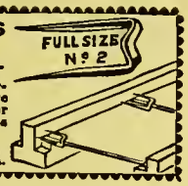

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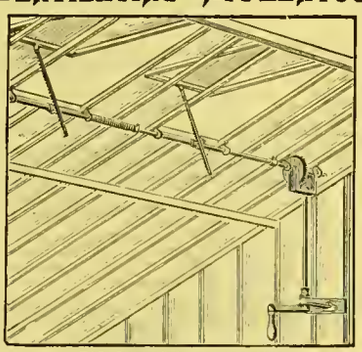

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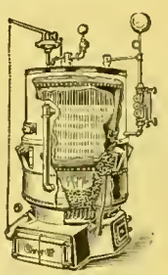

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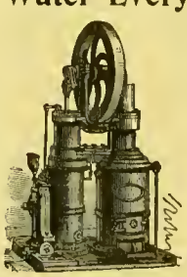



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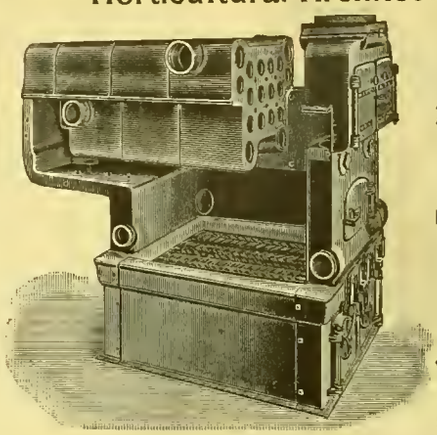

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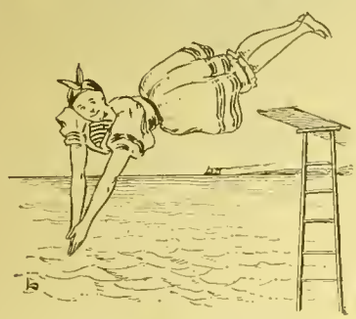

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Johnson & Stokes' Evergreen Velvet Lawn Grass Seed.

Put up in beautiful lithographic cartons to sell for small grass plots and cemetery lots.

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LITHOGRAPHIC FLOWER SEED PACKETS, with full cultural directions and generously filled, per 100 packets, $2.00; per 1000 packets, $15.00. Beautiful POPLAR CABINET for displaying them, $1.00.

LITHOGRAPHIC VEGETABLE SEED PACKETS, at same rate.

ASTER—Queen of the Market, the earliest of Asters, mixed, per ¼ oz., 15 cts.; per oz., 50 cts.
" Queen of the Market, white, crimson, blue and red, per ¼ oz., 15 cts.; oz., 50 cts.
" Semple's True Branching Mixed, per ¼ oz., 15 cts.; per oz., 50 cts.; per lb., $5 00.
" " " shell pink, white and red, per ¼ oz., 20 cts.; per oz., 75 cts.
NASTURTIUM—Tom Thumb Mixed (New crop), per ¼ lb., 15 cts.; per lb., 40 cts.; per 100 lbs., $35.00.
" Tall Mixed, per ¼ lb., 15 cts.; per lb., 35 cts.; per 100 lbs., $30 00.

—— SEND FOR OUR NEW FLORISTS' LIST. ——

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ASTER | COSMOS | PANSY | SALVIA | ZINNIA

BEANS | CLOVER | GRASS | ONIONS | PARSNIP

SEED TRADE REPORT

Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Chicago, Ill., President; ALBERT MCCULLOUGH, Cincinnati, First Vice-President; F. W. BOLGIANO, Washington, Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

The Florida Seed Law.—In proceedings recently instituted to test the constitutionality of the act passed by the Legislature of 1899, requiring that every package of seed sold in Florida should be labeled with a guaranty showing where and by whom such seeds were grown, a decision by Judge Blount declares that the seed law is in conflict with the constitution of the United States, which provides that Congress alone has power to regulate commerce between the states, and the legislative act attempts to do that, and is therefore unconstitutional and inoperative.

The Farmer's Interest in Good Seed.—This is the title of Bulletin No. 111, of the Department of Agriculture, Division of Botany, a pamphlet written by Professor A. J. Pieters, in charge of pure seed investigations. The object of the bulletin is mainly to point out the necessity of testing seeds by farmers, and how this can be accomplished—either at home, or through the Department of Agriculture. The results of various tests made are furnished, and some wholesome advice to purchasers of seeds supplied. In regard to the subject of "The Non-Warranty Clause and Co-operative Buying," Mr. Pieters remarks as follows:

"It will, of course, be difficult to induce the members of the seed trade to abandon the time-honored non-warranty clause, which exempts the dealer from all responsibility as to the character of the seeds sold. Whatever may be said as to the necessity of this clause in the sale of vegetable seeds, when grass and forage plant seeds are sold in quantity, the purchaser has the right to know about the quality. The practical question is how to get the seedsmen to give a percentage statement in the absence of special laws requiring it. It is probable that the general demand of farmers, if determinedly and persistently made, will meet with success. The seedsman cannot afford to ignore the just demands of his patrons, especially if the refusal means the loss of valuable orders. The pressure will be greater if all the seed used in a community is purchased through co-operation in one order. This method is now followed with success, when it is desired to get lower prices than can be given on small orders, and might equally well be adopted when the object is to get seeds of known quality. It must not be overlooked, however, that tested seeds of high quality will cost more than the common grades. Even if the quality is the same, the work of testing involves some expense, and a purchaser should be willing to pay a shade more for seed when he is assured of the quality. Of course, unscrupulous dealers could still sell seeds under false pretenses, but it would be more difficult to shirk the responsibility; and a determination not to patronize a dealer who is persistenly guilty of misrepresentation would soon make his position untenable."

European Notes.

With a spell of more genial weather matters look a little more promising for our annual crops, but many of the biennials are now past recovery, particularly turnips and rutabagas. The destruction of biennial flower seed plants has been equally great. Pansies, stocks, and wallflowers have perished in wholesale fashion.

In Italy the experience has been very similar to that of northern Europe. During March rain and hail, with rather uncommon cold, prostrated the growers with influenza, and, to some extent, damaged the cauliflowers and onions, together with some hardy flower seeds. Some early sowings of tomatoes, egg plants, and a few flower seeds that were not sufficiently protected were also injured, but in general most of the Spring sowings are doing well. All the different varieties of centaureas could be planted last week. Myosotis dissitiflora, pansies and kindred plants are already showing flower.

The reports from the south of France are not quite so cheering to purchasers of French-grown bulbs. The unfavorable climatic conditions reported four weeks since were prolonged to such an extent as to seriously interfere with the development of the bulbs, particularly of Roman hyacinths. It is too late now for any great improvement to take place, and a shortage of first size bulbs is inevitable, if there be only an average demand.

Lilium candidum are also doing very badly, and the acreage planted is short. Already growers have obtained a rise of 50 per cent. in the price of healthy stock, and even at this figure they refuse to bind themselves to deliver any fixed quantity. Freesias, narcissi and anemones are much later in blooming, but in other respects the only fault now apparent is a lack of development, due to the cold and dry time.

EUROPEAN SEEDS.

CATALOGUES RECEIVED.

DEAN BOILER CO., Boston, Mass.—Price List and information regarding Dean Boiler.

HAHLAN P. KELSEY, Boston, Mass.—Some information about and cultural directions for Ginseng.

FRED'K. W. KELSEY, New York.—Descriptive Catalogue of Selected Hardy Trees, Shrubs, Vines, Roses, Hardy Plants and Choice Fruits.

DE GRAAF BROS., LTD., Leiden, Holland.—(Agent for America, F. S. Peer, Mount Morris, N. Y.).—Illustrated Wholesale Catalogue of Flower Bulbs and Plants.

K. WEZELENBURG & SON, Hazerswonde, near Leiden, Holland (Agent for United States and Canada, F. S. Peer, Mount Morris, N. Y.).—Annual Catalogue of Roses, Rhododendrons, Azaleas, Evergreens, etc., for Fall of 1900 and Spring of 1901. Illustrated.

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	Per 5 lbs.	Lb.
Blanche Ferry, white and pink..	$1 00	$0.25
Blushing Beauty, the best pink..	1.00	.25
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New Countess, the best lavender	1.00	.25
Sadie Burpee, new, the best white	3.00	.75
Saloplan, the best crimson.....	1.50	.40
Countess of Aberdeen, pink edged rose.....	1.00	.25
Golden Gleam, yellow.....	1.00	.25
Grey Friar, white veined purple..	1.00	.25
Prince Edward of York, scarlet	1.00	.25
Monarch, deep maroon.....	1.00	.25

We have a great number of other varieties. Write for list.

PERRY WATSON & CO., Sacramento, Cal.

Wholesale Seed Growers and Merchants.

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GREAT BARGAINS

SEE MARCH 31st ISSUE OF THIS PAPER.

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BOSTON FERN Strong, 2½ inch, $5.00 per 100. | YELLOW RAMBLER, PINK RAMBLER } TWO YEAR, $8.00 per 100

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California Saved Palm Seeds, Etc.

FRESH ON HAND.	100	1000	5000
Phœnix Canariensis.....		$0 50	$2.00
" **Reclinata**.....	$0.25	2 00	8.75
Asparagus Sprengeri....	.65	4 50	20 00
Bruhea Glauca.....per pound, 75c.			
" **Edulis**..... " 75c.			
Chamærops Excelsa..... " 40c.			

Coreopsis Lanceolata.....per pound, $1.25

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VINCA MAJOR, white leaf, 2½ in., 2½ cts.
BEGONIAS, in variety, 2½ cts.
TRAILING LANTANA, 2½ cts.
GNAPHALIUM, fine for baskets, etc., 2½ cts.
ACHYRANTHES, 2½ cts.
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TRADESCANTIA Multicolor and **GIANT SWEET ALYSSUM,** 2 cts.; R. C., 75 cts. a 100. CASH, PLEASE.

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To Sell or Exchange

CANNAS Left, about 5000 Charles Henderson and Austria, strong roots, from 2 to 3 eyes.
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Would Exchange for Begonias, Adiantums, Carnations, Ferns, Etc., in small pots.

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ROSES, Bride and Bridesmaid, 2 in., clean stock, per 100, $3 00
CHRYSANTHEMUMS, 2 inch. Ivory, Golden Fleece, Independence, Canning, Mizpah, Glory of Pacific, Helen Bloodgood, G. Bramhall, at $2.00 per 100.

Alternantheras, P. Major and A. Nana, Rooted Cuttings; 1000, $5.00	100 $0.60
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Salvia Splendens, 2 in.	2.00
Rudbeckia, Golden Glow, 2½ in.	3.00
Abutilon, Souv. de Bonn, 3 in.	5.00
Cyperus Alternifolius, 4 in	6.00
Fuchsia Jupiter, 3 in	5.00
Begonia, Erfordi and A. Guttata, 2in.	2.50
Cigar Plant, 2 in.	2.00
Feverfew, Little Gem, 2 in.	2 50
Passion Vine, purple, 2½ in.	3.00
Pilea, 2 in.	2.00
Dusty Miller (Gym.), 2 in.	2.00

Send for list of Sweet Pea seed.
Satisfaction Guaranteed. CASH WITH ORDER.

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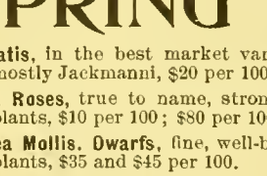

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Mention the Florists' Exchange when writing.

BRIDESMAID AND BRIDE.

Ready now in 2¼ inch pots in exceptionally fine quality.

Strong, clean and healthy. Send for samples.

STEPHEN MORTENSEN, Southampton, Bucks Co., Pa. Near Philadelphia.

Mention the Florists' Exchange when writing.

PHILADELPHIA ROSES

Strictly first-class stock out of 2½ inch pots.

American Beauty, Kaiserin.

MYERS & SAMTMAN, Chestnut Hill, PHILA.

Mention the Florists' Exchange when writing.

GRAFTED ROSES.

Strong Kaiserins, 2½ inch pots, ready now, $12.00 per 100. **Brides** and **'Maids,** all sold. Several thousand **Kaiserins, Brides** and **'Maids,** 2½ inch pots, own roots, ready now, $4.00 per 100; $35.00 per 100.

CHRYSANTHEMUM Major Hannafion, 2½ inch pots, $3.50 per 100. CASH FROM UNKNOWN PARTIES.

S. J. BUNTING, Elmwood Ave. and 58th Street, Phila., Pa.

Mention the Florists' Exchange when writing.

60,000 WINTER FLOWERING ROSES

GRAFTED AND ON THEIR OWN ROOTS

SEND FOR PRICES

J. L DILLON, BLOOMSBURG PA.

Mention the Florists' Exchange when writing.

FIRST PRIZE FOR 50 AMERICAN BEAUTIES

At the American Rose Society Exhibition.

3 inch pots, $9.00 per 100; $80.00 per 1000.

JOSEPH HEACOCK, Wyncote, Pa.

Mention the Florists' Exchange when writing.

CRIMSON RAMBLER STRONG PLANTS

Per Dozen, $2.00; per 100, $15.00. Also a few more Standards on hand, **$3.50 per 10.** To secure good results with this popular variety plants should be grown one year in pots.

CLOTHILDE SOUPERT, PINK SOUPERT, YELLOW SOUPERT, HERMOSA and **AGRIPPINA,** strong plants, 100, $12.

GRAFTED TEA ROSES

Bride, Bridesmaid, Kaiserin, Carnot, Golden Gate, Maman Cochet, White Cochet, etc. Ask for prices.

EXTRA FINE STOCK NOW READY. ORDER EARLY.

BAY TREES

and Buxus, in pyramidal and standard form; **Magnolia, Aucuba, Grafted Colorado Blue Spruce, Hardy Rhododendrons, Hardy Azaleas, Herbaceous Plants, Clematis, Ampelopsis, Dutchman's Pipe,** etc., etc.

BOBBINK & ATKINS, Rutherford, N. J.

Mention the Florists' Exchange when writing.

300,000=ROSES=300,000

FINE YOUNG PLANTS FROM 2½ INCH POTS.

Following List at **$2.50** per 100; **$22.50** per 1000.

Marie Lambert,	Duchess Brabant,	Yellow Soupert,
Elolie de Lyon,	Tennessee Belle,	Safrano,
Purple China,	Princess Sagan,	Agrippina,
Mrs. DeGraw,	Empress of China,	Yellow Rambler.
Marie Van Houtte,	Coq. de Lyon,	Climbing White Pet,
Clothilde Soupert,	Golden Rambler,	Media,
Christine de Noue,	White Rambler,	Marie Guillot,
Lucullus,	Lady Warrender,	La Pactole.
Andre Schwartz,	Marquis de Vivlens,	Mme. Elie Lambert.
Triumph Peruel Pere,	Louis de La Rive,	

Following List at **$2.75** per 100; **$25.00** per 1000.

Bride,	Bridesmaid,	Maman Cochet,
White Maman Cochet,	Climb. Malmaison,	Reine M. Henriette,
Climb. Bridesmaid,	Rainbow,	Crimson Rambler,
Comtesse Frigueusse,	Mme. F. Kruger,	Climb. M. Guillot,
Climb. Meteor,	Meteor,	Malmaison,
Hermosa,	Seven Sisters,	Climb. Wootton,
Bertha Clavel,	Marechal Niel,	Vera de Flora,
Duchess of Albany,	Universal Favorite,	Princess Bonnie.

Following List at **$3.00** per 100; **$30.00** per 1000.

Wichuraiana,	White La France,	Papa Gontier,
La France,	Kaiserin,	President Carnot,
Bon Silene,	Climbing Kaiserin,	Perles,
Sunset, Golden Gate,	Pierre Guillot,	Sov. de Wootton.

Fine H. P.'s at $4.00 per 100. Also Nice 3½ inch Roses at $4.00 per 100, and 40,000 Fine Two-year-Old Roses at $8.00 per 100. Also Full General Stock.

SEND FOR LIST.

THE NATIONAL PLANT CO., Dayton, Ohio.

Mention the Florists' Exchange when writing.

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN

WILSON J. PETERS, Troy, O., President; D. S. LAKE, Shenandoah, Ia., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

Rochester, N. Y.—The Western New York Nursery Company has incorporated, with J. F. Dale as president.

A Pioneer Nurseryman.—On Monday, April 9, Mr. and Mrs. A. G. Tuttle, of Baraboo, Wis., celebrated their sixty-second wedding anniversary. Mr. Tuttle started in the nursery business in 1848, and is still actively engaged in it. He is 85 and his wife 83 years of age. Notwithstanding his advanced age he is still very active and walks almost daily to Baraboo, a distance of nearly two miles, for his mail.

SCRANTON, PA.—The most elaborate decoration of the season was executed at the clubhouse on the 17th, by George R. Clark, in which the rose Crimson Rambler was used to splendid effect. At the far end of the ball room rose an immense bank of this rose backed with stately palms, behind which was stationed the orchestra. About the room canary birds were placed, the cages partially hidden by asparagus, through which miniature electric lights were strung. Japanese fern balls in full growth, suspended here and there with lanterns, created a unique effect. Mr. Clark reports a grand Easter business, with no abundance of orders for the future. W. M.

IF YOU NEED ROSES
Send us your list for prices.
THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.
Mention the Florists' Exchange when writing.

CRIMSON RAMBLERS

Extra heavy, 4 ft. tall, 3 to 5 canes, $12.00 per 100.

Good, 1-year plants, 18 in. tall, 3 or more canes, $8.00 per 100.

JACKSON & PERKINS CO., Newark, New York.

Mention the Florists' Exchange when writing.

BRIDES AND 'MAIDS

2½ inch, ready for a 3 inch shift.

$3.00 a 100; $25.00 a 1000.

CASH WITH ORDER.

J. B. HEISS, The Exotic Nurseries, Dayton, Ohio.

Mention the Florists' Exchange when writing.

Extra Fine Meteor Plants.

2½ inch pots, ready now.

Surplus stock from plants, reserved for our own use, at the low price of

$2.50 per 100; $20.00 per 1000.

ADDRESS The Floral Exchange, Inc., Edgely, Bucks Co., Pa.

The home of the Famous New Rose Queen of Edgely Pink American Beauty.

Mention the Florists' Exchange when writing.

AMERICAN BEAUTIES

Very low, to clear out at once.

Extra strong, absolutely clean and healthy. **Cool Grown,** 4 in. pots. 8-10 in above pots, per 100, $10.00. Second grade of above, per 100, $7.50. 1000, all good plants, $75.00. 500, 2½ in. pots. $37.50. Per 100, $4.00. Sample by mail for 15 cents in stamps.

CASH WITH ORDER, PLEASE.

JOHN CURWEN, Jr., Glen Head, Long Island.

Send 50c. or $1

For Samples And Prices Of **ROSES** You may want this Spring. American Beauties, Brides, 'Maids, Perles, Kaiserins, Woottons, La France, Belle Siebrecht, Golden Gate.

We believe in shifting Young Roses often. All stock offered in 2½ inch pots has been shifted from 2 inch and is equal to most stock advertised as 3 inch and when we send it out is well established.

Write GEO. A. KUHL, Pekin, Illinois.

LIBERTY

Orders received for April and May delivery. . . .

All the winter forcing Roses from 2½ inch pots.

WRITE FOR PRICES. . . .

ROBT. SCOTT & SON, Sharon Hill, Del. Co., Pa.

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS..
and Novelties in Decorative Plants,
Market and 49th Sts., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

ROSES—50 Varieties

Send your list for prices.

GERANIUMS Well-established, in 2½ in. pots $3.00 per 100; $25.00 per 1000. La Favorite, Peach Blossom, Marg't de Layres, Geo. Grant. We have 25 other good varieties, mostly double. If you leave selection of kinds to us, $2.50 per 100; $20.00 per 1000.

Baby Primrose, 2½ in. in bloom, $3.00 per 100; $25.00 per 1000.

Asparagus Sprengeri, 2½ in., $3.50 per 100; $30.00 per 1000.

Double Petunias (mottled), 2½ in., $3.00 per 100.

Moonvine, 2½ inch, $3.00 per 100.

Fern N. Cordata Compacta, 2½ in., $4.00 per 100.

JOHN A. DOYLE CO., Springfield, Ohio.

Mention the Florists' Exchange when writing.

SPECIAL NOTICE

The unprecedented demand for the new and beautiful

ROSE LIBERTY

Has made it necessary for us to announce all stock for March delivery has been sold and orders hereafter will be taken and filled in their order of receipt, until further notice. To be sure of any of this stock for April and May delivery it will be necessary to order early. One quarter of the stock is controlled by us and no one has authority to sell in the New England States except by our permission.

Prices are as follows: Best stock grown.

Own rooted Plants, 2½ in. pots.

12	plants	60 cts. each.
25	"	50 "
50	"	30 "
100	"	25 "
1000	"	20 "

Grafted Plants, 2½ in. pots.

12	plants	75 cts. each.
25	"	60 "
50	"	50 "
100	"	40 "
1000	"	35 "

EDMUND M. WOOD & CO., Natick, Mass.
Near BOSTON.

Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

FLORIST, first-class maker-up, decorator, salesman, best references, wishes situation. E. H., 207 W. 25th st., New York.

SITUATION wanted by reliable man, 16 years' experience, private or commercial, competent to take charge; married. 878 Pallass st., Philadelphia.

QUICK young man, German, 20, four years' greenhouse experience desires store position, to learn decorating and designing. Box 471, Lakewood, N. J.

YOUNG man, 25, seeks permanent position in a private or commercial place; best of European and American references. Address M. Herr, florist, 841 Second ave., New York.

GOOD grower roses, pinks, etc., would take charge of place where first-class stock is required; best references as to ability, honesty, etc. P. Y., care Florists' Exchange.

SITUATION wanted by a good cut flower grower, competent to take charge, German, 31; life experience; best references; state full particulars; wages. Roses, care General Post Office, New York City.

WANTED—Situation as head gardener where several men are kept, or, position as grower in the trade where orchids and other stock are grown in quantities; no objection to travel; first-class testimonials from last and previous employers: 10 years with Sanders & Co., St. Albans, England; three years head gardener to Mrs. Fred. Ames, North Easton, Mass. Address C. Maynard, North Easton, Mass.

POSITION wanted by a German just arrived from England, 25 years old, single; can read, write and speak German, French and English; have a lifetime's experience in the three above named countries in all branches of horticulture; can do anything from propagation to making up of all kinds of flowers; have had wide experience in park and outside work—in fact, every department; desire a place where capabilities can be made use of and worth appreciated; strictly sober and capable; would take a position in charge or as private gardener on a gentleman's place; first-class references; please state position and wages. Herman Fink, care Geo. M. Lyon, Poughkeepsie, N. Y.

SITUATION WANTED—BY FIRST-class Eastern grower, born and brought up in the business; one year's experience West; carnations a specialty, A1 grower of roses, chrysanthemums, violets, bulbs, etc.; understands building, heating and all other branches; will take full charge or as working foreman, East or West; rapid worker, and strictly temperate; state particulars and wages. Address P. J., care Florists' Exchange.

HELP WANTED.

GARDENER and florist wanted who understands landscaping, married; German preferred. Richard Otto, 37 Laugdon st., Orange, N. J.

WANT a good man for greenhouse work and potting. Apply on Monday ready for work, Eisenberg, 440 Albert st., Long Island City, N. Y.

WANTED at once, single man, German preferred, to assist in general greenhouse work; state wages. Hermann Scholzel, 537 Fulton st., Union Hill, N. J.

WANTED at once, as assistant in greenhouses, a young man with one or two years' experience; state wages expected; room on place, but board out. Address Samuel J. Bunting, Elmwood avenue and 58th street, Philadelphia.

WANTED—Man who thoroughly understands the growing of roses, carnations and a general assortment of stock for retail trade; wages $25 and board; also assistant who has had greenhouse experience. Apply Chas. L. Stanley, Plainfield, N. J.

TWO good, all-round men wanted; one must understand the business thoroughly, take charge; other to understand roses, carnations and general greenhouse work; single men preferred; wages $10 to $12 per week. R. B., care Florists' Exchange.

WANTED—Single man, Scotch, as foreman in a commercial place, a good all-around man; one not afraid of work; must be A1 in growing of carnations, 'mums and bulbs; good place for right man; references. Address P. X., care Florists' Exchange.

WANTED—A working foreman; must be sober, honest, an expert grower of palms, foliage and all kinds flowering pot plants; one who can grow plants of the highest merit; no other need apply; single man preferred. Address P. Z., care Florists' Exchange.

WANTED young man, not over 25 years old to assist in the rose houses; one who has had some experience in retail work making up, etc., preferred; must be temperate and a good workman; wages $38 and room per month. Apply to R. Miller, Exeter Rose Conservatories, Exeter, N. H.

New Haven, Conn.

Quite a number of the craft met at the greenhouses of Jas. McGregor, on April 16, for the purpose of organizing a gardeners and florists' association.

M. J.

Newport, R. I.

Wadley & Smythe, of New York, have rented for the Summer season the front of the Paran Stevens' estate, with two of the greenhouses in the rear, where they will conduct a plant and cut flower business. This is the place, which is opposite the Casino, that was occupied by the "Rosary Co." two years ago.

MAC.

Indianapolis.

All of the water in a boiler at Martin Braendlein's greenhouses, at 3322 Graceland avenue, became exhausted on the night of April 10, and, strange to say, instead of exploding, it became red hot and set fire to the building. The loss to stock was small, and the buildings were not seriously damaged, but the boiler was ruined.

HELP WANTED.

WANTED—Nursery foreman; permanent position for a man experienced in nursery business; state age, experience and salary required. V. A., Vanicek Nurseries, Newport, R. I.

WANTED at once, florists' clerk, maker-up and decorator, good address and character required, married man preferred; wages $12 00 per week, situation permanent. John Reck, Bridgeport, Conn.

WANTED—TWO YOUNG MEN FOR carnation and rose houses; state experience and wages wanted. F. Burkl, Bellevue, Pa.

WANTED—A GOOD ALL-AROUND man for commercial place; must fully understand rose growing; references required. Address P. S., care Florists' Exchange.

WANTED—A FOREMAN, ONE WHO thoroughly understands rose growing, on a commercial place; state salary, experience and references. P. W., care Florists' Exchange.

WANTED—THREE RELIABLE GERman men as florists; must have good references; general greenhouse work; single men preferred. Apply to S. Penndorf, 81 Oak street, New Rochelle, N. Y.

GROWER WANTED TO CARE FOR A small greenhouse growing American Beauty roses, violets and chrysanthemums, capable man, about 35 to 40 years of age, who will make himself useful about stables and other work when required; will pay $11 to $12 per week. Address P. O., Box 2030, Paterson, N. J.

MISCELLANEOUS WANTS.

WANTED—Nursery stock, 250 White Spruce 3-3½ transplanted; 100 White Pine, 5-6 ft.; 200 Spiræa Rotundifolia, 3 ft.; 100 Spiræa Arguta, 3 ft.; 100 Galium Boreale. V. A. Vanicek Nurseries, Newport, R. I.

BUSINESS OPPORTUNITIES.

TO RENT, 4 greenhouses in fine condition, comprising about 6000 feet of glass, also 40 violet frames, on piece of ground, 150x300 feet; fine retail trade, 40 minutes to N. Y., will rent cheap. Apply to R. A., care Florists' Exchange.

FOR sale or rent cheap, greenhouses, 14,000 feet glass, well stocked for spring trade, also seven-room dwelling and barns, doing large retail trade with little competition, in growing town of 20,000 people; write for particulars. Address P. T., care Florists' Exchange.

MONOPOLY! A genuine bargain for a live wholesale grower; 15,000 sq. ft. glass (six houses), long established and favorably known; practically no competition in the cut flower specialties grown; eastern New England the market; sales limited by production only; 50 miles from Boston, in a very attractive town, grand rose and carnation soil, 50 acres tillage land; large slate-roof 12-room dwelling; hot-water heat, etc., etc. Large slate-roof barn, carriage house, carpenter shop, etc. All in good condition and to be sold with contents, live stock, etc. A beautiful estate and a money maker. Easy terms. Price greatly reduced. Send for descriptive and illustrated booklet. O. T., care Florists' Exchange.

FOR SALE—240 ACRES OF LAND ON Isthmus of Tehauntepec, State of Vera Cruz, Mexico. For full particulars write Roland Hughes, 846 New York Life Building, Kansas City, Mo.

Chicago.

A Brilliant Easter.

The story of Easter trade for 1900 can now be told, and so far as this city is concerned it has been a brilliant one all around. Prices were well maintained during the week, and stock well cleared off; in fact, toward the end of the week there was quite a scramble for lilies, with offers of from $1.50 to $2 per dozen from those who had failed to obtain sufficient supplies. Up to Friday the days were sunless, with snowstorms and anything but Spring weather. This resulted in quite a number of growers failing to get in flower all they hoped for, besides seriously affecting the cut of roses and carnations. C. W. Washburn says it made $1,000 difference to them for the week. But, taken as a whole, big supplies of almost everything were sent in, and all went in handsome shape. Hardly a scrap was left over Saturday night, even of bulbous stock. Deamud says he sold 10,000 tulips a day for the last three days.

Early in the week violets seemed very draggy, but later anything worthy the name of a violet went at from 75c. up to, for a few extras, $1.25.

The supply of carnations, as was expected, continued away below demand, even the street men asking 50c. per dozen for standards. During shipping days fancies touched $6, $2 to $4 being about a good average—and a good price for carnations the middle of April. Quantities of short Beauty went on the street, but other stock was disposed of through usual channels.

As a rule, the commission men, and those selling their own growths, kept to quoted prices, which this year were sent out early; and as Easter came late values were scarcely so high as formerly. Nor will Easter trade stand fancy prices.

McKellar & Winterson, who dealt very heavily in plants, showed by their books a trade for the last three days just about double that of last year.

As to the retailers all those we have seen report business excellent. A very large quanity of plants was sold.

Easter observance in the churches seems to have been more general than usual.

It is naturally to be expected that trade for a spell will be quiet and prices somewhat lower. Long-stemmed and medium Beauty range from $2 to $4 per dozen; tea roses, very fancy, bring $8; extras, $4 to $6 per 100. Carnations, standards, $1.50 to $2; fancies, $3 to $4; lilies, $10.

Weekly Payments the Rule.

Some little misunderstanding seems to be abroad since the announcement of Kennicott Bros. Co. to the effect that hereafter they will pay for all consignments of flowers sent to them weekly instead of monthly. A remark in the FLORISTS' EXCHANGE of last week, by your Cincinnati correspondent, would lead one to believe that all the other dealers here pay monthly, and recommending that they change. To get at the facts we interviewed the following, and present the result; premising, however, that from various causes there are a few growers that actually prefer a monthly settlement: A. L. Randall has paid weekly for three years past, and prefers it; E. H. Hunt settles monthly, except by agreement with some shippers who desire weekly payments. W. E. Lynch has paid weekly ever since he has been in the business, and says years ago, when he was with the late E. H. Hunt, he was the first to try weekly settlements. F. F. Benthey & Co.'s checks go out every Tuesday. E. C. Amling has settled weekly since starting in business, and says: "If my shippers wanted them they could have daily payments." J. B. Deamud has been paying weekly for two years past, except in the case of two or three customers whom he cannot get to agree to the method. McKellar & Winterson have paid weekly ever since they have been in the business. Ed. Winterson says Thos. J. Corbrey was the one who first tried weekly settlements when he was in the wholesale business, and to carry out the idea demanded settlements from retail buyers every two weeks, which, at the time, caused some kicking.

Around Town.

Several one-time retail florists of the city have been taking civil service examinations with a view to securing positions for taking care of the small parks and squares of the city.

The residents of Oak Park, a Chicago suburb, are organizing the Oak Park Beautifying Association. The object is to aid in beautifying the streets and grounds of the village.

Oscar Kreitling has rented a fine new retail store, at 392 12th street, near his old quarters. Oscar does a very successful business.

C. W. Erner, for five years past with E. H. Hunt, has resigned his position and will go to his old home, at Terre Haute, Ind., at least until Fall.

A. L. Randall has gone to West Baden for a ten days' rest.

ESS.

Cincinnati.

Easter Echoes.

Dark and cloudy weather the early part of the week shortened the cut of roses and carnations many thousands; but forcing stock was plentiful. Tulips sold best, with lily of the valley a close second. Paper White narcissus sold well, but the stock was very much of the pickled order, and had to be disposed of at any old price. Harrisii lilies, as usual, did not supply the demand. Saturday morning opened with Old Sol smiling, and he continued to smile all day. The growers in the market reaped a harvest. The sight of this market on a Saturday before Easter is one never to be forgotten. Millions of cut flowers and plants are annually disposed of, and at good prices. Eight to ten thousand dollars were spent in this market Saturday for flowers and plants.

The stores were like beehives all day and night, and when the smoke clears away, and the proprietors commence looking over their sales, they will probably find the Easter trade of 1900 far in advance of other years.

J. A. Peterson was running two stores, and he certainly was a busy man. His new store is now situated on Race street, near Fourth, close to the St. Nicholas Hotel. In June his Fourth street store will be moved to this locality.

The commission houses will not average more than in 1899, owing to the scarcity of roses and carnations.

Thieves Reap a Harvest, Too.

While the growers were unusually busy in the Jahez Elliott Flower Market, Saturday afternoon and evening, pickpockets were also busy robbing the crowds. Mrs. Cunningham was relieved of $16. Mrs. Coates, of Coates & Garges, had some change taken, as had Mrs. J. F. Conger. These people are standholders. Wm. Murphy found a pocketbook that had been rifled, as did Supt. Walker. As soon as the thefts were reported to the superintendent he telephoned the police and four detectives were hurried to the market, but the crowd was so dense that it was impossible to catch the thieves. This is the first time this market has ever been troubled by the light-fingered gentry. Probably more growers were robbed, but the above are all I have heard of up to time of writing.

E. G. GILLETT.

Detroit.

Easter Trade.

Disagreeable, cold and cloudy weather until Saturday made this Easter one rather to the advantage of the wholesaler, for the retail man had to place his orders to secure his stock and customers put off buying until Saturday, thus making the overworked retailer do five days work in two; but on the whole it has been a good Easter for both growers and retailers, as stock of some kinds was short, notably lilies. But the florists had the entire trade, for the corner-grocery man found stock too high to suit him. Carnations were scarce and high. Plants sold well and there was a noticeable call for trimmed plants in baskets, one of our leading retailers employing a skilled trimmer for that purpose alone.

Jottings.

Ill luck seems to pursue Asman & Dunn. Last week their delivery wagon was demolished and the horse killed by an electric car.

The secretary of the Florists' Club, Robert Flowerday, is expected home from England some time next week, when we hope to begin working up a crowd for New York in August. From present indications we think we shall muster about 18 or 20.

Rackham and Beard Bros. are both building this season.

RAG.

CHRYSANTHEMUMS

Bessie Burton — Mrs. John J. Glessner
Bonnaffon — Modesto
Callingsfordii — Mrs. S. T. Murdock
Glory of Pacific — Mrs. O. P. Bassett
Ivory — Nivens
J. H. Woodford — Rose Owen
Minerva — The Queen
Mme. F. Bergmann — Mrs. J. G. Whilldin
Miss Minnie Wanamaker.

And others from 2½ in. pots, $2.00 per 100, $15.00 per 1000

HARDY POMPON CHRYSANTHEMUMS

10 to 10 named varieties, 2½ in. pots, $2.00 per 100; $15.00 per 1000. 10 named varieties rooted cuttings, $1.00 per 100; $7.50 per 1000.

CARNATIONS.

Bon Ton — McGowan — Portia
New York — Wm. Scott
2½ in. pots, $2.00 per 100; $15.00 per 1000.
Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Bergmann, Whilldin, Modesto, Midge, Glory of Pacific, M. Henderson, Lager, Bonnaffon, Robinson, Nivens, M. Dean, Florence Pullman, Merry Monarch, Childs, Phœbus, Ermiwalda, Shrimpton, Evangeline, Boehmer, Iora, E. Prass, Bigelow, Yanoma, F. Hardy, Merry Christmas, Queen, L. Canning, V. Morrell, Silver Cloud, White and Pink Ivory, Pitcher & Manda. 12 Pennsylvania and Philadelphia gratis with each order for 100 plants; from 2½ and 2 inch pots, $2.50 per 100; from soil, $2.00 per 100.

BABY PRIMROSES, 3 in., $4.00 per 100.

CYPERUS, 3 in., $3.00 per 100.

YELLOW PARIS DAISIES, in bud and bloom, 3 in., $3.00 per 100.

J. G. EISELE, 20th and Ontario Sts., Phila., Pa.

Mention the Florists' Exchange when writing.

Unequaled Varieties VERBENAS Vigorous Stock.

		100	1000
Best Mammoths,	strong pot plants	$3.00	$25.00
" "	rooted cuttings	1.00	8.00
Older "	"	.75	6.00
" "	strong pot plants	2.50	20.00

ROSES.

Bridesmaid, Bon Silene, Catherine Mermet, Duchess of Albany, Golden Gate, Maid of Honor, Perle des Jardins, Pres. Carnot, Sunset, The Bride, from 2¼ in. pots, $5.00 per 100, $40.00 per 1000.

ROOTED CUTTINGS CARNATIONS VIGOROUS STOCK

General Maceo, G. H. Crane, $6.00 per 100 $50.00 per 1000.

America, Melba, Gen. Gomez, 75c. per doz.; $5.00 per 100; $40.00 per 1000.

White Cloud, Gold Nugget, $4.00 per 100; $30.00 per 1000.

Bon Ton, New York, Jubilee, Frances Joost, $2 50 per 100; $20.00 per 1000.

Flora Hill, Eldorado, Alaska, John's Scarlet, Sea Shell, Victor, $2.00 per 100; $15.00 per 1000.

Alaska, Lizzie McGowan, Wm. Scott, Perlia, $1.50 per 100; $12.00 per 1000.

CHRYSANTHEMUMS.

Adula, Eclipse, Idavan, Kuno, Mrs. Barr, Meta, Mrs. F. A. Constable, Nagoya, Silver Wedding, W. H. Chadwick, Xeno, Pennsylvania, Philadelphia. Price, from 2¼ in. pots, $6.00 per 100; strong rooted cuttings, from soil, $3.00 per 100.

Autumn Glory, Black Hawk, Dolores, Dorothy Devins, Eureka, Elvena, Evangeline, Golden Trophy, G. F. Atkinson, G. W. Childs, Golden Wedding, H. W. Longfellow, J. H. Woodford, H. L. Sunderbruch, Iora, Lady Fitzwygram, Marsia Jones, Mrs. H. Weeks, Minnie Wanamaker, Miss Helen Wright, Maude Adams, Mrs. S. T. Murdock, Mrs. Perrin, Miss M. M. Johnson, Maud Dean, Modesto, Mrs. O. P. Bassett, Nemesis, Pitcher & Manda, Pink Ivory, Pride, Surprise, Vivland-Morel, Yellow Fellow. Price, from 2¼ in. pots, $4.00 per 100, $35.00 per 1000; strong rooted cuttings, from soil, $2.00 per 100, $17.00 per 1000.

Ada Spaulding, Belle of Castlewood, Benj. M. Giroud, Callingfordii, Gladys Spaulding, Glory of the Pacific, Helen Bloodgood, Harry May, Ivory, J. E. Lager, J. H. Troy, Mrs. Jerome Jones, Merry Monarch, Marion Henderson, Major Bonnaffon, Mrs. S. Humphreys, Marguerite Graham, Mme. Ferd. Bergmann, Minerva, Mrs. H. Robinson, Nivens, Riverside, Rose Owen, T. B. Morse, Thos. H. Brown, W. H. Lincoln. Price, 2¼ in. pots, $3.00 per 100; strong rooted cuttings, from soil, $1.50 per 100.

MISCELLANEOUS.

	100	1000
Anthemis, Double Golden Marguerite.	$2.00	
Ageratum, blue and white	1.00	$8 00
" Princess Pauline	1.50	
Coleus, all leading sorts	1.00	8.00
Fuchsias, double and single	2.00	15.00
Feverfew	1.50	12.00
Heliotrope, light and dark	1.25	10.00
Impatiens Sultani	2.00	
Moon Vines, true	2.00	15.00
Salvias, Splendens and Bedman	1.25	10.00

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

Buffalo.

Easter Trade Shows Increased Proportions

The result of our inquiries shows a past Easter business of generally increased proportions over previous years, and indicating an improved prosperity among flower buyers. Less standing out or hesitancy in the matter of prices was quite noticeable. As a rule, the fairly good and rightly timed stock of almost all kinds found sales, and the unbalanced assortments were of but moderate extent. The retail men saw fit to engage in the plant line deeper than at any time before. S. A. Anderson's words, to the effect that "the cut flower growers have reached the limit of demand for their growths, except in improved qualities," are no doubt shared in by others.

Roses seemed ample for the demand. Carnations came in more plentifully than had been anticipated, with Daybreak a bit worn in color, or showing dark weather growth. Violets were of all qualities, but in the main good, and plentiful enough. L. Harrisii blooms were short of the demand, if anything.

Varying retail prices were noticeable at the Main street stores. In roses the staples in Bridesmaid, Bride and Meteor ranged all the way from $2 to $5 per dozen, $3 being probably a good average. Beauty, long stemmed, averaged $9, but the demand at that was quite limited. A few, we learn, brought $15. Brunner, with some, fetched $5 to $7.50 per dozen for the best. Carnations went at from $1.50 per dozen down, customers being ready buyers at $1 for good grades. Violets realized from $2 to $3, and Harrisii brought 25c. per bloom; bulb stock, 75c. to $1 per dozen.

On the Chippewa Market prices were several grades lower, with qualities not so exacting. Harrisii plants in pots hardly reached; in fact sold short. A general price of 25c. per bloom and opening bud was asked and gotten. Azaleas seemed slightly in over-supply, else the sizes or prices were not proportioned right. Genistas sold decidedly slow, and strange to ns the Acacia armata, even finely done ones, went with scant favor. The weather, though pleasant overhead, was raw and chilly to a degree not so encouraging to plant handling, and barely allowed delivery without protection. Sunday came out milder, and truly pleasant; and a good cut flower trade resulted on that day.

A hurried canvass of various craftsmen brought out as follows:

J. H. Rebstock ran two annexes in near-by vacant stores, which eked out plant handling to good advantage. Rambler roses were made a leader in good quantity, balanced in varieties. A large flower trade was naturally done at the store proper. Palmers found the high-priced azaleas going the best. Their own growth of bulbous stock was ample and finished up all right in Sunday's sales. Adams is nicely pleased with a trade larger than in recent years. Carnations were scarce and brought $1 to $1.50 per dozen. S. A. Anderson noted a call for novelties—people wanting something "different" and exclusive. High-priced plants that brought $4 to $6, and the low ones, under $1, went better than medium-priced grades. He reports a good trade this week. Chas. D. Zimmerman's trade was rather beyond expectations. Four delivery wagons were kept on the jump on Saturday. Harrisii lilies were well-timed and sold clean. A good lot of cut flowers found buyers, with carnations inclined to be scarce.

At Scott's Cold Spring headquarters trade has largely run to personal call and roses for gifts. Some decorating of churches is still done, however, but mostly very informal of character—in Harrisii lily plants and blooms and palms. Mr. Scott noted an unsupplied call for a 50c. flowering plant, and thinks several hyacinths, or else tulips in 5-inch pots, might be good sellers in such type. His large lot of azaleas and Harrisii were completely cleaned up. Genistas went slow. In demand tulips in flats were not up to some previous records.

A few well done mignonette in pots answers the call, and 7-inch pot plants go at $1 to a limited few buyers, but the popular classes want them not. Some 6-inch pans of pansies, that were decidedly attractive, went quickly at 75c. His strawberry crop in pots did not turn out a financial success. They do not both grow and fruit "definite enough."

On the Chippewa Market J. Wiese reports an active plant trade. Hydrangeas sold well; azaleas hung a bit; lilies were short of supply. Baumer Bros. had a large showing of cinerarias, going at 20c. to 40c. for 4 to 6-inch pots. F. P. Baum lead in a good variety of bulbous stock and geraniums, both of which went nicely. A. J. Reichert did a fair trade. John G. Pickelman showed some of the best quality longiflorum, but a few days late to sell well. Schwerdt & Bemer, of Cheektowaga, were represented with their usual good quality of soft-wooded plants, as was also S. B. Smiley, of Lancaster, with good selling geraniums. W. A. Newbiggiag, of Black Rock, reports a good call for lilies and azaleas. Cinerarias were a bit plentiful. Cut flowers went fair on Sunday, and good total sales resulted.

At Kasting's wholesale store business continued unusually active, and a large stock was handled. Spite of predictions otherwise, carnations came in fairly; some Daybreak off color though. Violets sold well. Roses were plentiful and Harrisii just reached around ia supply. Bulbous blooms were not so abundant, hence none were left over; daffodils, in fact, being scarce.

Visitors this week included: Harry Balsley, Detroit; Joseph Rolker, New York; Bert Coakley, Scranton, and L. J. Pult, No. Tonawaada. Vini.

Lebanon, Ind.

W. A. Bilger is still confined to his home after a four months' illness.

NEW CHRYSANTHEMUMS FOR 1900

Bonita Beautiful deep golden-orange; a bold handsome flower with good stem and foliage.
50c. each; $4.50 per dozen; $30.00 per 100.

Eulalie The best anemone ever introduced for cut flower; extra good stem and foliage.
60c. each; $5.00 per dozen; $35.00 per 100.

Luciole A combination of pink cerise and lavender; a grand exhibition variety.
50c. each; $4.50 per dozen; $25.00 per 100.

Souci Beautiful clear-yellow; form and color of Modesto but superior in every way.
50c. each; $4.50 per dozen; $30.00 per 100.

Winona White base veined with clear pink; a grand commercial variety.
50c. each; $4.50 per dozen; $30.00 per 100.

Also Grand

New Set of EARLY POMPONS,
12 varieties, one of each for $2 25.

All the NEW VARIETIES of OTHER RAISERS at Advertised Rates.

JOHN N. MAY, Summit, New Jersey.

Mention the Florists' Exchange when writing.

GREEN AND GOLD — MRS. SHEPHERD'S NEW FANCY PERENNIAL CHRYSANTHEMUM.

Entirely New and Distinct. A Lovely Variety, with Foliage Beautifully Variegated Clear Yellow and Light Green, the Yellow Predominating. Handsome without flowers, but when adorned with its Large, Double, Creamy White, Fluffy Blossoms it is Beautiful Beyond Description. It is a Vigorous Grower. Comes True. Does equally well bedded out or under glass. **A GRAND NOVELTY.**

Having a fine stock I offer this rare plant at 20c. each; $2 00 per doz.; $10.00 per 100.

A SPLENDID NOVELTY FOR CATALOGUES.

MRS. THEODOSIA B. SHEPHERD, Ventura-by-the-Sea, Cal.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS — FOR SINGLE STEM POT PLANTS.

The following are considered the best for that purpose, and we now have a large stock in fine condition for immediate shipment. From 2½ in pots. Per 100

Mrs. H. Robinson	$3.00
Merza	10.00
Ivory	3.00
Meta	5.00
Maj. Bonnaffon	3.00
Solar Queen	3.00
Georgiana Pitcher	3.00
Minerva	3.00
Mrs. O. P. Bassett	3.00
Merula	3.00
V.-Morel	3.00
Pink Ivory	3.00
Idavan	5.00
Rustique	6.00
Lady Hanham	5.00
Black Hawk	3.00
Geo. W. Childs	3.00
Red Warrior	3.00
Mrs. J. J. Glessner	3.00
Mrs. H. Weeks	3.00

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

Mrs. Fisher Carnation

The best for summer flowering, strong, healthy plants, from cold frame, $1.50 per 100; $12.50 per 1000.
CASH WITH ORDER.

R. J. GARDNER, Bayside, L.I., N.Y.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

CHRYSANTHEMUMS

Bonnaffon, Bergman, Glory of Pacific, J. E. Lager, M. Henderson, Yellow and White Mocarch, Wanamaker, Robinson, F. Hardy, etc. Above can be furnished by the 1000, for next 30 days, at $8.00 per 1000, by express; $1.00 per 100, by mail.

A QUANTITY OF GLASS.—Small sizes for hotbed sash for sale at 75c. per box.

ORANGE FLORAL CO., West Orange, N. J.

Mention the Florists' Exchange when writing.

HOW TO GROW CHRYSANTHEMUMS

32 pages, well illustrated. A practical compilation of matter contributed by many of the leading experts of the day. By far the best work on this subject ever written. It contains instructions for each month in the year, also Chapters on Training, Diseases, Seed Saving, etc. **ONLY 25 CENTS.**
Published by

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Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS.

A bargain for ten days only, **$2.00 per 100; $15.00 per 1000.** Rooted cuttings of Ivory, Robinson, Bergmann, Bonnaffon, Murdock, etc.

VIOLETS A1 stock. Now is the time to order rooted cuttings. Marie Louise, Farquhar, Lady Campbell, Swanley White and Princess of Wales. WRITE FOR CATALOGUE.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

Well-Rooted Carnation Cuttings

Clean stock. **McGowan,** $1.00 per 100; $8.00 per 1000. **Victor,** $1.25 per 100; $12.50 per 1000. **Flora Hill,** $1.25 per 100; $12.50 per 1000. **White Cloud,** $2.50 per 100; $20.00 per 1000.

Violet Clumps Princess of Wales, $1 00 a 100; La France, $5.00 a 100
Cash with order.

L. R. HANCOCK, Burlington, N.J.
Lock Box 691.

Mention the Florists' Exchange when writing.

THE Biggest Bargain OF YOUR LIFE.

100 Iris Miller An extra large-flowered salmon Carnation, very striking; a good seller, a good grower, and a good bloomer.

100 Leslie Paul A large-flowered deep pink or red Carnation, far ahead of anything in its color; a little late in coming, but if not topped after August 1st can be had in full bloom for Christmas.

100 Elsie Ferguson A large-flowered dark orange-salmon Carnation, a continuous bloomer from September to August, and very free; a decided novelty in color and a good one to have on the place.

The 300 for $5.00,

Or 50 of each for $2.50. No order taken for less than 50 of a variety, but will sell them separately at $2.00 per 100.

ALBERT M. HERR, Lancaster, Pa

Mention the Florists' Exchange when writing.

DREER'S SPECIAL OFFER of HARDY PERENNIALS

Special List of Varieties Suitable for Cut Flowers.



SPIKE OF DREER'S SUPERB DOUBLE HOLLYHOCK.

	Per doz.	Per 100
Achillea The Pearl. 2¼-in. pots	$0 60	$4 00
Anthemis Tinctoria. 2¼-in. pots	60	4 00
" " Kelwayi. 2¼-in. pots	60	4 00
Anemone Japonica Alba. 2¼-in. pots	60	4 00
" " Elegans. 2¼-in. pots	60	4 00
" " Lady Ardilaun. 2¼-in. pots	60	4 00
" " Whirlwind. 2¼-in. pots	60	4 00
" " Queen Charlotte. New. 2¼-in. pots	1 25	10 00
Boltonia Asteroides. Strong divisions	75	6 00
" Latisquama. " "	75	6 00
Caryopteris Mastacanthus. 2¼-in. pots	60	4 00
Ceanothus Gloire de Plantieres. 3-in. pots	2 50	20 00
Clematis Recta. Two-year-old	1 50	12 00
Coreopsis Lanceolata. Strong clumps	75	6 00
" " Grandiflora. Strong clumps	75	6 00
Delphinium Chinensis. One-year-old	75	6 00
" Formosum. " "	75	6 00
" Sulphureum. Two-year old	2 00	15 00
" Belladonna. 3-in. pots	2 00	15 00
" Frau Emma Metzger. 2½-pots	2 50	20 00
" Wilkie Collins. 2¼-in. pots	2 50	20 00
Doronicum Austriacum. Strong plants	1 00	8 00
" Caucasicum. " "	1 50	12 00
" Excelsum. " "	1 25	10 00
Eupatorium Coelestinum. Strong divisions	75	6 00
Gaillardia Grandiflora. 3-in. pots	75	6 00
" " 4 "	1 00	8 00
Gypsophila Paniculata. Strong 1-yr. old	75	6 00
Helenium Autumnale Superbum. Strong divisions	1 00	8 00
" Grandicephalum Striatum. Strong divisions	75	6 00
" Pumilum. Strong divisions	1 25	10 00
Helianthus Multiflorus, fl. pl. Strong divisions	75	6 00
" " Maximus. Strong divisions	75	6 00
" Maximilliana. Strong divisions	75	6 00
" Rigidus. Strong divisions	75	6 00
Hellopsis Pitcherianus. Strong divisions	75	6 00
" Scabra. Strong divisions	75	6 00
" " Major. New. 2¼-in. pots	1 00	8 00
Heuchera Sanguinea. 3-in. pots	1 25	10 00
" Alba. 3-in. pots	1 00	8 00
Hollyhocks, Dreer's Superb Double. Strong clumps. White, pink, salmon, yellow, bright red, maroon	1 25	10 00
Choice Mixture. Strong clumps	1 00	6 00
Hollyhocks Allegheny. Mixed. Strong clumps	1 25	10 00
Hypericum Moserianum. Two-year-old plants	1 00	8 00
Iris Kæmpferi. 24 finest named varieties. Strong	1 50	10 00
" " Choicest mixture	1 00	8 00
Incarvillea Delilavayi. New	4 00	
Lychnis Vespertina Alba Plena. Strong clumps	2 00	15 00
" Chalcedonica, fl. pl. Strong. 3-inch pots	1 50	12 00
" Viscaria Splendens. Strong clumps	1 25	10 00
Physostegia Virginica. Strong divisions	75	6 00
" " Alba. Strong "	75	6 00
Platycodon Japonicum, fl. pl. Strong clumps	1 00	8 00
" Mariesi. Strong clumps	75	6 00
Primula Veris. English Cowslip	75	6 00
Pyrethrum Hybridum. Choice mixed seedlings, clumps	1 00	8 00
" " Choice mixed seedlings, 3-in. pots	75	6 00
" Uliginosum. Strong divisions	1 00	8 00
Ranunculus Acris, fl. pl. " "	75	6 00
Phlox The Pearl. Fine white, 2¼-in. pots	75	5 00
" 25 finest varieties in cultivation, 2¼-in. pots	75	5 00
Rudbeckia Golden Glow. Large clumps	1 25	10 00
" " Strong divisions	50	3 00
Rudbeckia Newmani. Strong divisions	$0 75	$6 00
" Purpurea. " "	1 00	8 00
Scabiosa Caucasica Blue. 3-inch pots	1 25	10 00
" " Alba. 3 "	1 25	10 00
Statice Latifolia. One-year old plants	1 25	10 00
Tritoma Uvaria Grandiflora. Clumps	1 50	12 00
" " " Strong divisions	75	6 00
" Pfitzeri. New. " "	1 50	10 00
Veronica Longifolia Subsessilis. Clumps	2 00	15 00
" " " 2¼-in. pots	75	6 00
" Spicata Strong divisions	1 00	8 00
" " Alba. Strong divisions	1 00	8 00

GENERAL COLLECTION OF PERENNIALS.

Achillea Filipendulina. Strong divisions	75	6 00
" Millefolium Roseum. Strong divisions	60	4 00
Aquilegia Chrysantha. 3 in. pots	75	5 00
" " Clumps	1 00	6 00
" " Alba. 3-in. pots	75	6 00
Arabis Alpina. Strong divisions	75	6 00
Arenaria Balcarica. Strong	75	6 00
Asclepias Tuberosa. Strong	75	6 00
Anemone Pennsylvanica. 3-in. pots	75	6 00
Armeria Maritima. 2¼-in. pots	60	4 00
" " Alba. 2¼-in. pots	60	4 00
Astera. 12 choice varieties	1 00	8 00
Bocconia Cordata. Strong divisions	75	6 00
Campanula Aliaraefolia. Strong divisions	75	5 00
" Persicifolia. 2¼-in pots	60	4 00
" Pyramidalis. 2¼-in. pots	75	6 00
Digitalis (Fox Glove). Strong	1 00	8 00
Erigeron Purpureum. Strong divisions	1 50	12 00
Funkia Coerulea. Strong divisions	60	4 00
" Alba. Strong divisions	1 00	8 00
" Variegata. Strong divisions	75	6 00
Geranium Sanguineum. Strong divisions	1 00	8 00
Geum Coccineum, fl. pl 3-in. pots	1 25	10 00
Hemerocalis Dumortieri	1 00	8 00
" Fulva	50	4 00
" Flava	50	4 00
" Kwanso. fl. pl.	75	5 00
Lysimachia Clethroides. Strong plants	75	6 00
Lythrom Roseum Superbum. 3-in. pots	75	6 00
Mertensia Virginica. 4-in. pots	1 00	8 00
Monarda Didyma Rosea. Clumps	75	6 00
" Fistulosa Alba. Clumps	75	6 00
Pardanthus Sinensis. Strong divisions	50	3 00
Papaver Orientalis. Strong roots	75	6 00
Pentstemon Barbatus Torreyii. Strong divisions	1 00	8 00
" Coerulea. Strong divisions	1 25	10 00
Phlox Sobulata Alba	75	5 00
" Atropurpurea	75	6 00
" Lilacina	75	6 00
" Nelsoni	75	6 00
" Rosea	75	5 00
" The Bride	75	5 00
" Amoena	75	6 00
" Divaricata Canadensis	75	6 00
Pinks Hardy Garden. Clumps in 6 vars.	75	6 00
Primula Cortusoides Sieboldi. 3 vars.	1 00	8 00
Spiraea Aruncus. Strong	1 00	8 00
" Filipendula, fl. pl. Strong	75	6 00
" Japonica. Strong	50	4 00
" Chinensis. Strong	2 50	20 00
" Palmata. Strong	1 25	10 00
" Venusta. Strong	2 00	15 00
" Ulmaria. Strong	1 00	8 00
Stokesia Cyanea. 2½-in. pots	1 25	10 00
Symphitum Asperimum Aurea Var. 3-in. pots	1 25	10 00
Thalictrum Aquilegifolium. Strong	1 25	10 00
" Atropurpureum. Strong	1 25	10 00
Thermopsis Caroliniana. Strong	1 00	8 00
Thymus Montanus Albus. Divisions	1 00	8 00
" Vulgaris Coccinea. Divisions	1 00	8 00
" Serpyllum Aureum. 2¼-in. pots	60	4 00
Tradescantia Virginica. Strong	75	6 00
Tricyrtus Hirta Nigra. 3-in. pots	1 00	8 00
Trollius Europaeus	1 00	8 00
Veronica Incana. Strong divisions	1 50	12 00
" Rupestris. Strong divisions	1 00	6 00
Vinca Minor. Clumps	75	6 00

For a full line of HARDY PERENNIALS, HARDY CLIMBERS, and all other SEASONABLE STOCK, please refer to our current Wholesale Price List.

HENRY A. DREER, - 714 Chestnut Street, - PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

COLEUS

Crimson Verschaffeltii, Golden Bedder and Golden Queen	100 $0.75	1000 $5.00
In variety	.60	5.00
Ageratum, blue and white	.60	
" Princess Pauline	.75	
Giant Sweet Alyssum	.60	
Double Petunias, 30 varieties	1.25	
Salvia Splendens and **Bedmna**	1.00	
Heliotropes, 12 varieties	1.00	
" " 2 inch pots	2.00	
Alternantheras, P. Major and A. Nana, from soil	.60	5.00

Special price on large orders. Plants by the 100, by mail, prepaid. The above are rooted cuttings. Cash with order.

C. A. HARRIS & CO., DELANSON, N. Y.

Mention the Florists' Exchange when writing.

5000 BEGONIA REX

3½ and 4 in. pots, at $10.00 and $15.00 per 100. EXTRA FINE STOCK.

See our **Bargain List**, on page 416, last week's EXCHANGE.

GREENE & UNDERHILL, Terms Cash or C. O. D. **Watertown, N. Y.**

Mention the Florists' Exchange when writing.

GERANIUMS.

From 2½ inch pots, fine assortment, double and single, pink, white, red and salmon, **$2.50 per 100.**
Gloire de France, Rev. Atkinson, Mme. Bruant, and Camille's Favorite, 4 cts. each.
Golden Dawn, 10 cts. each.

FERNS. NEPHROLEPIS CORDATA COMPACTA, 2½ inch, 4 cts.
CYRTOMIUM FALCATUM, 2½ inch, 3 cts.
BOSTON FERNS, 2½ inch, $4.00 per 100.
CANNA, Chas. Henderson Dormant Roots. $2.00 per 100.

Mention paper.

ALTERNANTHERA Rooted Cuttings, August Struck. AUREA NANA, 60c. per 100; $5.00 per 1000, prepaid.
COLEUS, rooted cuttings, **75c. per 100**, prepaid.
TRADESCANTIA MULTICOLOR, rooted cuttings, 80c. per 100, prepaid. Cash with order.

G. W. WEATHERBY, - - Chillicothe, Mo.

Pittsburg.

Easter Trade Beyond Expectations.

It can be said that Easter trade was beyond all expectations, even though the weather was not what it might have been, it being too cold and cloudy. Cut flowers and plants sold well and at good prices. There were more plants disposed of than ever before, and the quality was of the best. Prices of cut flowers ruled about the same as for the last few Easter holidays, on some things being a little higher; but complaints about exorbitant figures were fewer than ever before. Roses at wholesale ranged from 10c. to 15c., and sold retail at $3 per dozen. Beauty wholesaled at 75c. for good stock, and brought at retail from $12 to $24 per dozen, according to quality. Ulrich Brunner were in good demand, at $5 to $10 per dozen.

Carnations were extensively asked for, and in spite of the great quantities that were handled, very few were to be had early Saturday evening. The quality was better than usual, stock being all fresh. Prices, at wholesale, were from 3½c. to 5c., and at retail from 75c. to $1.50 per dozen. The most of the stock sold at $1 and very readily. Bulbous flowers were scarcer than ever was known; tulips and daffodils were in good demand, at $1 per dozen and up at retail, about $5 per 100 wholesale. Cut hyacinths were not abundant, and valley was scarcer than usual. Violets sold well, in bunches, at from 25c. to $1.50. Sweet peas were also in good demand, at 75c. per bunch of 25 blooms. Harrisii lilies, or rather longiflorums, were plentiful, being about the only stock of which any was left unsold—but very little of it. Prices at wholesale ranged from 12c. to 20c., and at retail from $2 to $4 per dozen. The average price was $3. Callas realized the same values.

Plants sold at good prices; azaleas, at from $1.50 and up; hydrangeas as high as $5 and better. Genistas, ericas, rhododendrons, lilies, Dutch hyacinths and spiraeas were the principal plants, and were pretty well cleaned out.

Trade in the city stores was ahead of last year; all had their hands full until Sunday afternoon.

In the Pittsburg Market business could have been better in the morning, but the afternoon made up partly. There was, however, a little stock left unsold.

In the Allegheny Market trade was phenomenal, the stands being crowded until late at night. Everything was cleaned out, and more could have been disposed of. It was by far the best Easter trade ever experienced in the Allegheny Market; sales were way ahead of last year's, and prices also were better. The extent of the cut flower trade in this market is a surprise to all those of the trade who have visited it, especially on Saturday. The very best stock obtainable is handled, and prices rule, with but few exceptions, as high as those in the city stores. There is no city of its size in the whole country that can boast of anything near to it. Stands are fitted up that cost thousands of dollars, but the rental is very moderate; and the business done by some of these stands is equal to that of many of the stores.

The Pittsburg storemen had their windows in better trim than ever—very tastily arranged with fine plants and blooms. A. W. Smith, of Sixth street, had a fine display—the largest in town, and many visited it. The windows of T. Ulam & Co., Breitenstein & Flemm, L. I. Neff and the Murdochs were very attractive.

Business from now on promises much; many society affairs and prominent weddings are announced. The opera this week caused a splendid demand for choice blooms.

The Easter flower show in the Pittsburg and Allegheny Park Conservatories is now at its best and worthy of a visit by all florists. Last Sunday the crowd at these places was enormous—one continual jam until dark.

E. C. REINEMAN.

Colorado Springs, Col.

Some of the greenhouses of Wm. Clark were crushed in by a fall of hail and snow last week.

Daisies (Perennis, fl. pl.) Fine large clumps, in bud and bloom, $1 per 100; $8 per 1000. Smaller plants, ready to bloom, 40c. per 100; $2 50 per 1000.
J. C. SCHMIDT, Bristol, Pa.
Mention the Florists' Exchange when writing.

Daisies, Violets and Baby Primrose

L. H. Campbell, California, rooted runners, 60c. per 100; $5.00 per 1000. Princess of Wales, the best single Violet, and Swanley White, 75c. per 100; $7.00 per 1000.

Baby Primrose, by division, 3'c. per doz., by mail; per 100, $2.00. CASH WITH ORDER.

P. M. De Witt, Bridgewater, Bucks Co., Pa.
FORMERLY OF TORRESDALE PA.
Mention the Florists' Exchange when writing.

SEEDLINGS

Grown from the best seed that money can buy.

Fine plants.	100	1000
Verbenas, extra Selected Mammoth	$0.30	$2 50
Phlox Drummondi nana compacta	.30	2.50
Asters, all varieties	.30	2 50
Mignonette, Golden Machet	.30	2.50
Candytuft, Empress	.25	2 00
Sweet Alyssum, Little Gem	.25	2.00

J. C. SCHMIDT, Bristol, Pa.
Mention the Florists' Exchange when writing.

COLEUS Red and Yellow, $6 00; Finest Fancy Bedders, $5 00 a 1000; New large-leaved varieties, gorgeous colors, $1.00. **Cornna**, a most beautiful scarlet, with broad, gold edge, 50 cts. a 100.

ALTERNANTHERA P. Major, A. Nana, Amabilis, and Pittsburg, the finest of all the reds; bushy plants, from soil, $6.00 a 1000. Double Petunia, Begonia Vernon, Heliotrope, etc., strong plants from flats and pots, cheap. Terms cash. Ask for Trade List.
DANIEL K. HERR, Lancaster, Pa.
Mention the Florists' Exchange when writing.

CYCLAMEN

Our well-known strain, 5 to 7 leaves,
$4.00 per 100; $35.00 per 1000.
Cash.
SEIDEWITZ,
36 W. Lexington Street, BALTIMORE, MD.
Mention the Florists' Exchange when writing.

MAMMOTH VERBENAS!

Rooted cuttings, large strong plants coming in bud, just right for Spring trade, 50c. per 100; $4 00 per 1000; potted plants, in large bud, $1 00 per 100. Send for sample. Satisfaction guaranteed
Heliotrope, rooted, $1 per 100; 2½ in., $2 per 100.
Lobelia, 3 inch, in bud, $4.00 per 100.
Regenia Vernon, rooted, $1.00 per 100.
SAMUEL WHITTON, 15-17 Gray Ave., UTICA, N. Y.
Mention the Florists' Exchange when writing.

MOON VINES

Smith's Hybrid Moon Vines, the best and earliest white Moon Vine in the country; flowers pure white, seven inches across, at the rate of **$5.00 per 100.**
CASH WITH ORDER, PLEASE.
GODFREY ASCHMANN, Philadelphia, Pa.
1012 Ontario St., Rising Sun.
Mention the Florists' Exchange when writing

PETUNIAS from Dreer's Superb Double Seed. 3 in. pots, $3.00; 4 in. pots, $5.00 per 100. **Geraniums**, good bedders, 3 in. pots, $3.00; 4 in. pots, $6 00 per 100. **Dwarf Sweet Alyssum**, 2½ in. pots, $2.00 per 100. **Artillery Plant**, 3 in. pots, $3; 4 in. pots, $5.00 per 100. **Dreer's Mammoth Verbenas**, 3 in. pots, $3.00 per 100. **500 Vernon and Vulcan Begonias**, 3 in., $3.00 per 100. All other stock sold. **Alternanthera**, red and yellow, 2¼ in. pots, $1.75 per 100. White and yellow **Marguerites**, 4 in. pots, $5.00 per 100. Satisfaction guaranteed. Low express rates.
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Mention the Florists' Exchange when writing.

Smilax Plants.

Extra Strong Plants out of 2¼-inch pots, $2.50 per 100. Cash with order.
WILLIAM SCHWEINFURTH,
Ridgewood, N. J.
Mention the Florists' Exchange when writing.

GOOD STRONG STOCK

VERBENAS, Selected Mammoth; **PETUNIAS**, Single Giants of California, from 2½ in. pots, $2.00; from 3 in. pots, $2.50 per 100.
GERANIUMS, Single and Double Grant, E. G. Hill, from 2½ in., 3 in., 3½ in. and 4 in. pots, at $2.50, $3.00, $3 75, $4 50 per 100. Mixed varieties, the above and Nutt, Riccard, Poitevine, Favorite, same price.
WHITE PARIS DAISIES, HELIOTROPE, 2½ in. pots, $2.00 per 100. Cash with order, please.
CARNATIONS FROM FLATS, Flora Hill and Scott, $1.00 per 100; **McGowan**, 75c. per 100.
JAS. AMBACHER, LONG BRANCH, N. J.
Mention the Florists' Exchange when writing.

SWEET LAVENDER PLANTS

The True, Old-Fashioned Lavender.

WE FIND IT A READY SELLER. Stocky, pot-grown plants, dormant, $6.00 per 100.

Headquarters for the Best Herbaceous Perennials.

Largest Assortment. Greatest Quantities. TRADE CATALOGUE.

THOMAS MEEHAN & SONS, GERMANTOWN, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing

COLEUS **Crimson Verschaffelti**, from 2½ in. pots, good for stock plants, at $2 00 per 100; R. C., 7 best sorts, Ver and G. B., all at 50c. per 100. **BRUANT GERANIUMS**, also mixed, from 2½ in. pots, at $2.00. Cash with all orders. **Mrs. M. Cavanaugh**, Ionia, N. Y.
Mention the Florists' Exchange when writing

BEDDING PLANTS.

Geraniums, 4 in. pots, $7 00 per 100.
Coleus, 2 in. pots, $3 50 per 100.
Salvia, big plants, 2 in. pots, $3.50 per 100.
White and Pink Daisies for bedding, $2.50 per 100. Big plants in bloom.
Rose Queen Carnations in flats, $2.50 per 100.
H. L. PATTHEY, Bay Shore, L. I., N. Y.
Mention the Florists' Exchange when writing.

1000 GERANIUMS.

Varieties, Single Gen. Grant, S. A. Nutt and Centaur, ready for 3 in pots, $20.00 for the lot.
Heliotrope, 2½ in., fine plants, $2 00 per 100.
Cannas, Mme. Crozy, 4 in. pots, $5.00 per 100.
Smilax plants, from flats, $1.00 per 100. Cash with order.
WM. KEIR, Pikesville, Md.
Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

Asparagus Plumosus, 3 in., $8 00 per 100. **Rex Begonia**, 3 in., mixed, $4.00 per 100. **Marguerite Daisy**, large flowering white, 2 in., $3.00 per 100. **Nephrolepis Cordata Compacta and Boston Fern**, 2 in., $4.00 a 100. **Kentia Belmoreana and Forsteriana**, 4 in., nice plants, 40c. each; 3 in., 20 cts. each.
GERANIUMS Sam Sloan, Bennett, Single Grant, Mrs. E. G. Hill and S. A. Nutt, 2 in., $3 00 per 100.
ENGLISH IVY and **Ampelopsis Veitchii**, 2 in., $3.00 per 100.
CAMPBELL VIOLETS, Rooted runners, 50 cts. per 100.
SALVIA, **Clara Bedman**, 2 in., $2 00 per 100; 3 in., $4.00 per 100.
COLEUS, red and yellow, rooted cuttings, 60c. per 100.
SCARLET SAGE **Clara Bedman**, 2 in., $2 00; 3 in., $4.00 a 100.
Cash with order.
CEO. M. EMMANS, Newton, N. J.
Mention the Florists' Exchange when writing.

GERANIUMS

AMERICA Out of 4 inch pots, strong, grandest Geranium under the sun, 50c. each; $5.00 per doz.; $25 00 per 100.

MARS 2½ inch pots, fine plants standard border Geranium, $4.00 per 100; $35.00 per 1000.

DRYDEN 2½ inch pots, strong plants, finest fancy bedder, will become a favorite standard when better known, $10.00 per 100.

NOVELTY SET (15) of 1899, including one AMERICA, 2½ inch pots, greatest money value of the season, $2 00 per set.

Our stock is in the healthiest possible condition. Cash, please.

HENRY EICHHOLZ, Waynesboro, Pa.
FLORIST.
Mention the Florists' Exchange when writing.

Fine Stocky Plants

	Per 100
ALTERNANTHERAS, yellow, $1.75; red	$2 00
OXALIS FLORIBUNDA, fine for vases	2 00
AGERATUM, 3 varieties	2 00
DOUBLE PETUNIAS, 3 in. pots	3 75
COLEUS, 2x2½ in. pots, good assortment	2 00
GERANIUMS 2½ in. pots, my selection	3 00
" " " " 3 " " "	4 00
CENTAUREA GYMNOCARPA, 2 in. pots	2 00
VERBENAS, 2x2¼ in. pots, good assortment	2 00
VINCA VINES, 2 vars., fine for vases	3 00
ASPARAGUS SPRENGERI, May 1st	4 00
SMILAX, 2 in. pots, May 1st., per 1000, $5.00	1 00
CARNATIONS, 5 vars., 2 in pots	3 00
PANSY PLANTS, from cold frame	2 00

CASH, PLEASE.

JOS. H. CUNNINGHAM, Delaware, Ohio.
Mention the Florists' Exchange when writing.

Geraniums and Coleus

GERANIUMS, named, 15 vars., 2½ inch, $3 25 per 100; $30.00 per 1000.
COLEUS, R. C., stroog, 10 vars., 90c. per 100; $7.00 per 1000. CASH WITH ORDER.
For Special Kinds and Prices address
McBRIDE'S NURSERY, Alpiaus, N. Y.
E. FOUNTAIN, Mgr.
Mention the Florists' Exchange when writing.

CHEAP FOR CASH.

CYCLAMEN GIGANTEUM

Strong, healthy plants, from 2 inch pots, consisting of the following varieties: **ATROURUBRUM, MONT BLANC, MAGNIFICA** and **ROSEA**, $4 00 per 100; $35.00 per 1000.
WM. SCHLATTER & SON,
408 Main Street, Springfield, Mass.
Mention the Florists' Exchange when writing.

SURPLUS STOCK OF GOOD VALUE,

Asparagus Spengeri, 6 in., 35c., 10 in. baskets, $1.00.
Asparagus Plumosus Nanus, 3 in., $8.00 per 100.
Ipomœa, blue, strong, 2½ in., $3.00 per 100.
Alyssum, double white, strong, 2½ in., $3.00 per 100. Cuttings, 60c. per 100.
Thrinax, variegated, strong, 2½ in., $3.00 per 100.
Violets, California, strong, 3½ in., $3.00 per 100. Runners, $1.00 per 100.
Transplanted Plants, $1 50 per 100 of Stocks, Dbl. White, Mignonette, true Machet, Hollyhock, Dbl. White, Jerusalem Cherry, Ardisia Crenulata.
Carnation Cuttings, strictly clean. Daybreak, $2.00 per 100; Scott, $1.50 per 100; Sandusky, $2.00 per 100; Maude Adams, $2 00 per 100; St. Clair, red, money maker, $2 50 per 100
A. G. FEHR, Belleville, Ill.
Mention the Florists' Exchange when writing.

Dracaena Indivisa

3 inch, $3.00 per 100. Per 100

Cobæa Scandens, 2 inch	$2 00
Fuchsias, in variety, 3 inch	4 00
Abutilons, in variety, 2 inch	2 50
Baby Primrose, 2 inch, strong	3 00
Moon Vines, Smith's Hybrid, Heavenly Blue	2 00
Salvia Splendens and Bedman, 2 in.	2 00
Antirrhinum, Giant White, 2 in.	2 00
Lobelia, Crystal Palace Gem, 2 in.	2 00

Cash With Order, Please.
GEORGE J. HUGHES, - Berlin, N. J.
Mention the Florists' Exchange when writing.

COLEUS.

Crimson Verschaffeltii and Golden Queen, $7.00 per 1000, 75c. per 100; 2 in. pots, $1.50 per 100. Coleus in variety, $5.00 per 1000, 60 cts. per 100; 1¾ in. pots, $1.25 per 100.
AGERATUM, Blue and White, 75c. per 100; 1¾ in. pots, $1.25 per 100. Princess Pauline, $1.00 per 100 1¾ in. pots, $1.50 per 100.
GIANT ALYSSUM, $1.00 per 100.
SALVIA, Splendens and Bedman. $1.25 per 100; 2 in. pots, $1.75 per 100.
HELIOTROPE, 6 vars., named, $1.00 per 100; 1¾ in. pots, $1.50 per 100.
CUPHEA (Cigar Plant), $1.00 per 100.
FUCHSIAS, $1.50 per 100; 2½ in. pots, $2.50 per 100.
FEVERFEW, $1.50 per 100; $12.00 per 1000; 2 in. pots, $2.00 per 100.
VINCAS, $1.25 per 100; $10.00 per 1000. 4 in. pot, $8.00 per 100; $70 per 1000. Fine plants.
The above are rooted cuttings, except when noted. Cash must accompany all orders.
J. E. FELTHOUSEN, Schenectady, N. Y.
Mention the Florists' Exchange when writing.

MY SPECIALTY CYCLAMEN PERSICUM SPLENDENS GIGANTEUM

Finest strain in the world. Now ready to ship a splendid stock of plants, in four separate colors, from 2 in. pots, $4.00 per 100; $35 a 1000. From 2½ in. pots, $5.00 per 100; $40.00 per 1000.
SATISFACTION GUARANTEED.
PAUL MADER, East Stroudsburg, Pa
Mention the Florists' Exchange when writing.

HARDY PINKS.

Rooted Cuttings. Now Ready. 7 Sorts, as follows:
HER MAJESTY, Giant White. ALDA FIMBRIATA, White, fringed. BAUNETTE, Pink, with maroon markings. KARL OF CARLISLE, Variegated, maroon, rose and white. GERTRUDE, White, maroon markings. LAURA WILMER, Pink, with darker shadings, fringed. MAY, beautiful flesh-pink, very fragrant.
$1 per 100, postpaid; $8 per 1000, by express.

Flowering Begonias.

25 sorts, Metallica, Argentea Guttata, Glaucaphylle Scandens, the great hanging basket variety, Etc., $1.50 per 100, postpaid; $12.50 per 1000, by express.
Fuchsias New Dutch of Single and Double **Fuchsias**, cuttings now ready, 25 best sorts, labeled, $1.25 per 100, postpaid; $10.00 per 1000.
Double Petunias Labeled, same price as Fuchsias.
Clematis Paniculata Transplanted, $2 00 per 100, postpaid.
Madeira Vine Roots Strong, plump tubers, 50 cts. per 100; $4.00 per 1000.
SATISFACTION GUARANTEED.
A. B. DAVIS & SON, Purcellville, Va.
Mention the Florists' Exchange when writing.

VERBENA KING.



Verbenas, rooted cuttings, 60c. per 100; $5.00 per 1000; $22.00 per 5000. 2 in. fine plants, $2 00 per 100; $18 00 per 1000.
Ageratum, Lady Isabel and Cope's Pet, 60c. per 100; $5 00 per 1000.
60,000 Carnations Special low prices to move them quick.

	100	1000
Flora Hill	$1 25	$10.00
Morello	1 25	10.00
M'y'r Pingree	1.25	10.00
Daybreak	1.25	10.00
Wm. Scott	1.00	7.00
McGowan	1.00	7.00

30,000 Violet, runners, California, $1 00 per 100; $8.00 per 1000.
20,000 Smilax, fine 2 inch plants, $1.25 per 100; $10.00 per 1000.
Daisies, California and Yellow Castle, $1.00 per 100; $9.00 per 1000; 2 inch, $2.00 per 100.
Heliotrope, 10 best varieties, $1.00 per 100; $8.00 per 1000. Fine 2 inch plants, $2.00 per 100; $18.00 per 1000.
Express paid on all rooted cuttings and satisfaction guaranteed; for that cash, please.
C. HUMFELD,
CLAY CENTRE, KANSAS.
Mention the Florists' Exchange when writing.

Notice the New Items

YOU NEED SOME OF THIS STOCK.

		Per 100
500	**De Roo Mitting Geranium**, new, 2¼ in	$5.00
1000	**Obconica Primula**, in bloom, 2¼ in.	2 50
1000	" " " 5 in.	8.00
2000	**Petunias**, single, Giant of California, 2¼ in	2.00
3000	**Mme. Salleroi Geranium**, 2¼ in.	1.50
30,000	**Coleus**, our selection, 2¼ in	1.50
10,000	" mixed, 2¼ in	1.25
1000	**Red and Yellow Iresines**, 2¼ in.	1.50
10,000	**Alternanthera**, red, sad leaved, 2¼ in	1.50
5000	**Forget-Me-Not**, 2½ in	1.50
1500	**Lobella, Crystal Palace Gem**, 2¼ in.	1.50
1000	**California Moss**, 2¼ in	1.50
1000	**Mesembryanthemum Erectum**, 2¼ in	1.50
1000	**'Mums**, Mme. des Granges, early white, 2½ in	2.00
1000	**Jerusalem Cherry**, 2¼ in	2.00
1000	**Blue Daisy**, 2¼ in	2.00
1000	**Fuchsias**, mixed, 2¼ in	2.00
500	**Variegated Vinca**, trailing, 6 in.	20.00
1000	**Mixed Vincas**, trailing, 3 in.	2.00
10,000	**Verbenas**, in 10 named varieties, 2 in	1.25
1000	**Hydrangeas, Dr. Hogg**, 5 in	15.00

BEGONIAS.

2000	**Red Vernon**, bedder, 2¼ in	1 50
2000	**Pink Erfordii**, bedder, 2¼ in	1 50
2000	**Sandersoni**, bedder, 2¼ in	1.50
5000	**Our selection**, named, 2¼ in	1.50
1000	**Flowering**, named, 12 vars., 6 in.	10.00

Let us know your wants on **FERNS**, 5 in. 10.00
THE MORRIS FLORAL CO., Morris, Ill.
Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO., LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00.
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BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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A Philadelphia Refrain.

We hail the last of Lenten days,
And Easter now entices
The florist many plants to raise,
Together with the prices.
—RECORD.

Mary—Isn't a florist's a heavenly kind of business?
John—Yes; but there is a good deal of earth about it.—Brooklyn Life.

In advertisement of Storrs & Harrison Co., page 416, last issue, read price of Liberty rose plants, $25.00 per 100, not per 1000.

PLANTS and FLOWERS.

STOCKS—Chas. Barson, of Sing Sing, N. Y., sends us in some sprays of his selected strain of Cut-and-Come-Again stocks. They are very long and well studded with good-sized florets. He informs us he has been selecting the seed during the last five years, and from the samples sent he has certainly succeeded in gaining an excellent strain of this grand old variety.

OUR PRIZE COMPETITION.

We desire to remind intending competitors that the "PRIZE PHOTOGRAPHIC COMPETITION," begins May 1. The Conditions and Prizes were published in full in our issue of March 31, page 341, but for the convenience of those who intend going into the contest, as well as others desirous of producing effective work for their forthcoming catalogues, we have reprinted Mr. Hallock's essay in full, together with the Conditions attaching to the contest, and this leaflet will be sent free to all applicants.

The publishers feel that an aroused interest should be taken by the trade generally in photography, more especially as it relates to trade productions. Photographs of specimens, etc., grown on a tradesman's own grounds, and printed in his own catalogue, are far more weighty and carry more influence with his customers than the stock illustrations now seen in the majority of trade catalogues; and the price at which these photographs can be turned into plates, ready for the printer, is now so moderate that every catalogue-maker can afford to insert at least a few in his own book, understood always that they are sufficiently well done.

Illustrations take with the public now more than ever. The proof is evident in every successful publication you meet; it is also evident in the catalogues of successful florists, nurserymen and seedsmen.

It is because of these facts the publishers of the FLORISTS' EXCHANGE have instituted the present series of competitions; there is no reason at all why the makers of small and medium-sized catalogues cannot introduce therein the facsimiles of their own choicest productions. The slightly added cost to those who undertake this will be readily and quickly made up by added sales at paying figures.

And the new century will not have taken on many years before it will be as common a practice with our trade to use fine colored illustrations as it is now to use good half-tones.

Therefore, gentlemen, in view of all the developments present and to come, its educational value, and the good results to be obtained from taking advantage thereof, the publishers hope to see their offers availed of and a spirited competition ensue.

The subject for the third essay, in "A Chance for the Young Man," was announced in our issue of April 14, page 406. It is a topic on which many are well grounded, and a keen struggle for first place should be the outcome. Competitors are reminded that their MSS. should be mailed not later than Monday, May 7. Open to all previous competitors in this series.

Easter, 1900.

The same gratifying report anent the Easter trade, as has been promulgated for several years past, can be made regarding the business done in 1900, viz., that it exceeded all previous records, being in some instances from 40 to 50 per cent. better. Owing to the inclement weather prevailing for some days preceding, the bulk of the trade was crowded into the Saturday before Easter Sunday, entailing rapid and hard work on the craft.

The reports which we furnish in this week's issue give a pretty fair indication of the public's predilection in the matter of Easter plants and flowers, so far as that exists in the various points heard from. These reports generally convey the idea that flowering plants lead in public estimation, the lily being the most popular; and while in some cases the supply of this latter stock was short, the demand was pretty generally met. In Tennessee some of the florists "missed it," this regrettable fact being attributed to the receipt of Bermuda grown longiflorum instead of Harrisii bulbs. Azaleas were also very popular, the medium-sized plants having the largest call. There has been a most satisfactory demand for Crimson Rambler roses, and our Boston correspondent remarks that the call for these plants is likely to increase, provided they can be grown and sold at a figure cheaper than obtained on the present occasion. Spiræas were used more extensively in church decoration than formerly, and the extent of this work into which lilies also enter largely, shows a marked increased over previous years.

But why particularize further? Suffice it to say that nearly every kind of stock offered at Easter found a ready and satisfactory sale, prices being equal to, and, in some instances, better than those of last year. Montreal alone sends us an unfavorable report, and that due to the exodus of the flower-buying public from that city.

The scarcity of carnations, generally, is, however, worthy of mention, as well as the high quality of the goods offered this year.

One agreeable feature connected with the flower trade the present Easter has been the immense prominence given it by the daily press of the country. In the papers of every city of any importance, columns have been devoted to this subject, all of a very readable nature, and with but little exaggeration. This cannot but have a most direct influence on business. It has also been observed that in some places the florists have advertised more extensively in the daily papers, this having been thought necessary to counteract the effect of the large ads. of the department stores, in which it has been considered, to some extent, efficacious. This is probably the best method that could be adopted in such a case; in fact, it seems to us that the florist should take every advantage of the assistance rendered by the newspapers, particularly at times when these molders of public opinion are making a special endeavor to turn the thoughts of their readers to his products.

We congratulate the trade on its general present prosperity, and are pleased to chronicle such a gratifying reward for the months of patient care and earnest hard work on the part of the florist.

Cyclopedia of American Horticulture.

Editor Florists' Exchange.

The FLORISTS' EXCHANGE of March 17, in commenting on Professor L. H. Bailey's Cyclopedia of American Horticulture, candidly allows the value and superiority of the work in a great many respects; still, the writer of the criticising article in question thinks he has encountered some errors. Among other things he doubts the truth of the statement that Ceratostigma plumbaginoides, commonly known in gardens as Plumbago Larpentæ, is a hardy, herbaceous Fall-flowering plant. To my knowledge the hardiness of this plumbago has never been questioned anywhere except in the extreme North, and surely it is a Fall bloomer, for its flowering time is always from September to frost. Nearly all dealers in hardy plants catalogue it, and I fail to see any error in Professor Bailey's description.

As to the criticism of other items I am unable to judge, for I am no botanist, but, for example, why not make Adiantum Farleyense a species, solely because it has no means of reproducing itself? There are many plants which do not reproduce themselves from seed—the banana, the horseradish, are examples.

Rochester, N. Y. J. B. KELLER.

The question of the hardiness of ceratostigma, as is well known, was settled many years ago. European nurserymen and gardeners used to treat it as a stove perennial after its introduction near the middle of the present century. In the Cyclopedia the mistake occurs in setting it down as producing the flowers late in the Fall. This is a good instance of European descriptions of plants and their habits being unreliable for guidance in the United States, and shows the great need of correct descriptions taken from direct observations of how plants thrive in our climate. English books give October as the blooming period of this plant, but that is true only in some parts of Great Britain. In the northern parts ceratostigma has a struggle to open one or two flowers in that month, and many cultivators have never succeeded in blooming it there, owing to the season not being long enough (small wonder the older gardeners grew it indoors). In the United States the climatic conditions are, of course, varying; but in the Middle and South Atlantic States the plant is a mass of lovely blue shortly after midsummer—fully three months ahead of the period given in the Cyclopedia.

The reason why Adiantum Farleyense is not regarded as a species is that, as far as can be judged, without the organs of reproduction (and no well authenticated case is known of these having been detected) it is a form of A. tenerum. Mr. Keller is by no means happy in his analogous citations of seedless plants being regarded as species. Bananas and horseradish have the organs of reproduction developed, and their status as species or varieties is determinable. They have been cultivated probably for thousands of years, not to produce seeds, but for their fruits and roots. This peculiarity in seedless fruits, as is well known, is simply the result of preconceived efforts in this direction. But the horseradish seeds abundantly in France in waste places; and as for bananas, abundant evidence of the fruiting, not only of the species, but also of cultivated varieties, will be found in Memoirs of the Torrey Botanical Club, 1., 150-153.

OBITUARY.

Thomas Field.

Thomas Field, the junior member of the firm of Field Brothers, Washington, D. C., died Thursday, April 12, aged 50 years. Mr. Field was born in England and worked for a time in the nurseries of the Messrs. Veitch, London. Coming to this country about 25 years ago he was employed as foreman by the Dingee & Conard Company, West Grove, Pa. Subsequently, with his brother George, the business of rose growing was started, first at Eckington, and during the last few years on Brightwood avenue. Mr. Field was a quiet, unassuming man, much liked by everyone who knew him. He was unmarried.

E. J. Paddock.

E. J. Paddock, a prominent grower of Cleveland, O., died Monday evening, April 16, after a week's illness, of pneumonia.

One of the daily papers of New York City has been showing its readers the immense profits retailers make on the sales of cut flowers. The wholesale prices, apparently, taken from a Western trade paper, were given, together with the prices realized over the retail counter. In describing the popular flowers of the day the Lawson carnation is said to have all the hues from scarlet to white, and the rage among young ladies is to propagate the plants in heated apartments. The "asparagus flower" also has become very popular, according to this same authority. Unfortunately, the price of it is not quoted.

The ixia is the fashionable London boutonniere just now. It is a South African flower, indigenous to the veldt, where it blossoms by the wholesale. It is said that English greenhouse men have imported ixias by the thousands. At the last London drawing-room most of the debutantes' bouquets were of ixias.

Color Printing.

Messrs. Vredenberg & Co., of Rochester, N. Y., who have for several years given special attention to color printing for florists and nurserymen, have forwarded us samples of three color plates recently completed, namely, American Beauty rose, Crimson Rambler and Dracæna Sanderiana.

CHANGES IN BUSINESS.

HOULTON, ME.—Carl Beers has opened a branch store in this town.

SHENANDOAH, PA.—Guy Payne, of Girardville, has opened a flower store here.

GRAND FORKS, N. D.—M. V. Williams, of the Salvation Army Corps, at East Grand Forks, is making arrangements to open a flower store here.

CHARLESTON, W. VA.—A charter was issued April 9 by the Secretary of State to the Wheeling Greenhouse Company, of Wheeling, composed of H. C. Hazlett, A. G. Hubbard, Nelson E. Hubbard, A. W. Paull and Thomas B. Sweeney, all of Wheeling. The subscribed capital is $4,000, all paid up, and authorized capital of $50,000.

Toronto.

A Record-Breaking Easter.

Easter business here has again broken all former records. The supply of flowers was large, and the demand, the whole of last week, very good. On Saturday morning business was at first a little slack, but in the afternoon it started with a rush and kept right on until 12 o'clock midnight. Lilies were, as usual, the favorite pot plants, and some fine Harrisii and longiflorum were offered. Azaleas were not plentiful, but, generally, there was enough for the trade. Lilacs sold well. Cinerarias also went well, when good plants were offered. Spiræas, especially S. plumosa alba, were favorites. Pots of valley, mignonette, good Dutch hyacinths and Rambler and Hermosa roses sold well.

In cut flowers roses were the leaders, Beauty selling very well. John H. Dunlop had some grand roses and received good prices for them. Tidy had an attractive show. He had some extra fine sweet peas and a number of cattleyas. Hill had his window filled with orchids and roses. Jay & Son made a grand display with bulbous stock. W. Tidy also had a fine show of bulbous stock and flowering plants. Fred. Brown made a handsome display of lilies. Simmons had some fine azaleas, and Clinkenboomer also had nice azaleas and other flowering plants.

The show at St. Lawrence Market was a grand one on Saturday morning, but there was a cutting wind and plenty of black dust flying, so the stock soon began to look tired, and trade that started in well in the early morning ended early in the day badly. Considerable stock was left on hand. While the stores were doing business and selling tulips at from 50c. to $1 per dozen, I saw sold on the market 50 tulips, 50 violets, a bunch of valley and some green for 25c.; but the latter stock was so dirty that even that was a good price for it.

While the prices of nearly all cut stock were very steady and good all day, violets were the exception. Really good ones sold readily at wholesale, at from 75c. to $1.25 per 100; but some very fair stock was offered before noon at 30c., and found no buyers. Carnations were scarce and much in demand.

THOS. MANTON.

Montreal.

Easter Trade Below Average.

This year's Easter trade was, if anything, below the average in the total number of sales. Prices were about the same as in former years, with the exception of those on carnations, which were higher.

The two principal causes for the lightness of business this Easter were the wretched weather conditions prevailing on the Friday and Saturday and the exodus to spend Easter Sunday in New York. Florists are suffering severely from the latter cause, which is each year assuming larger proportions. On the two days preceding the present Easter Sunday over 2,000 people left Montreal for New York in sleeping cars alone, and needless to say these were largely composed of the florists' best customers.

The roads just breaking up after the long Winter made delivery of plants, lilies especially, extremely difficult; and many cases of damaged plants are reported. A mixture of snow and rain falling heavily all day also helped to make things generally uncomfortable.

In popularity plants, as usual, took first place, with lilies leading; these were in rather short supply, and everyone seemed to have sold out. The first demand was for plants that could be sold for $1 to $2 each; larger specimens sold slowly. Azaleas came next in popular fancy, and these were of very good quality, which no doubt largely accounts for the immense quantities sold. Whites and the light colors were in the greatest demand. Here again the smaller plants sold first. Spiræa, as usual, found ready sale and supplied the great demand for a large plant at a small price. Heaths in 5-inch pots sold readily, as also did plants of Crimson Rambler roses, in the same size. Small plants of bougainvillea also sold. Hydrangeas were very popular in the single headed and small sizes. A few good plants of acacia met with a ready sale. A lot of hybrid roses were seen, but these mostly disappeared in the few days preceding the rush. Fine valley and white violets in pots were extremely popular, and many more could have been sold.

In cut flowers carnations seemed to be the most popular, but perhaps this was because they were in very short supply, and what were obtainable were of the very highest quality. Among the many extra fine varieties Cerise Queen, Jubilee and America take a very high place. In roses Beauty were in quantities sufficient for all purposes, and sold slowly. The standard teas sold readily and were all easily disposed of. Lilies as cut flowers were very little used. Violets were in fair demand and supply, as was also mignonette. Valley was all sold. In bulbous stock Poeticus took first place, closely followed by the double Von Sion. Tulips were in fair demand, both cut and in pots.

Prices for first-class stock were: Beauty, $1 each; teas, first, $3 per dozen; carnations, $1 to $1.75 per dozen; valley, 50c. a dozen; violets, 50c. a bunch; mignonette, 50c. to $1 per dozen; daffodils and tulips, 50c. to $1. per dozen.

Trade the last days since Easter has been slow. B.

St. Louis.

A Very Good Easter.

Easter is over once more, and as far as the writer can learn has been a very good one, better in general than last year, and would have been still more satisfactory had there been more stock to do business with. Roses particularly were in short supply—not more than half of what was needed. The same can be said of Harrisii. Carnations came in in great quantities, but other popular flowers being short made them sell to help out. Prices were not advanced to any extent, keeping about as per those of Chicago. There were no Beauty in this market; best price for other roses was 8c. to 10c. Carnations brought 4c. and 5c., and a few fancies 6c. Bulb stock sold well at 3c. to 4c., some extra fine tulips bringing 6c. Harrisii sold out early, but values were not advanced.

The weather on Saturday was all that could be desired for handling plants, being warm and fair, but the two or three preceding days made it look gloomy enough, being cold and raiay. Plants sold well, lilies especially, but the quality in many cases was not extra. Many of them were more or less affected with disease, and they seemed to have no substance, a slight exposure to the air making them look badly. But they all sold, and a great many more could have been disposed of were they on hand. Pot roses were about the next best sellers, while hydrangeas and spiræas did not go as well as expected. Of hyacinths there was a good supply that was sold out close. Azaleas went well, as did Crimson Rambler roses, there being some well-grown plants of these on sale.

Wm. Schray reports nearly double the sales of last year, everything he had went; lilies first, with not enough of them. George Waldbart's trade called for large, fine plants, such as rhododendrons, big azaleas and lilies, with small azaleas, hyacinths and the like not so much called for, though he sold everything, and could have sold one-third more. His business was about double that of last year. Fred. Weber was unfortunately confined to his room with a severe cold and malaria during the rush, and being provided with an extra heavy supply of stock did not feel the shortage as badly as others. Business with him is reported as excellent.

Notes.

J. J. Beneke is suffering from a serious attack of rheumatism. C. C. S.

Nursery Stock to Canada.

An order in Council has just been passed by the Canadian Parliament, providing that "from April 10 to May 1 importations of any trees, shrubs, plants, vines, grafts, cuttings or buds, commonly called nursery stock, will be allowed from any country or state to which the San Jose scale act applies. All importations thereof must be entered at one of the customs ports of St. John, N. B., St. John's, Que., Niagara Falls and Windsor, Ont., and Winnipeg, Manitoba, only, where they will be thoroughly fumigated with hydrocyanic acid gas by a competent government official, in accordance with the most approved methods."

Madison, N. J.

The Morris County Gardeners' and Florists' Society will hold a flower show in the assembly rooms, November 7 and 8 next.

FIRES.

GREEN, O.—The greenhouse of Amos Yerrick was destroyed by fire Wednesday, April 11. Many hundreds of tomato and cabbage plants were lost.

ERIE, PA.—Herbert Tong is down with the grip. He had a good stock of plants on hand for Easter.

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Lilacs in Europe.

Lilac in all the shop windows, from October to Easter, lilacs abound in Europe in good, bad and indifferent quality, to suit every purse for all occasions. They have been the leading flowers all through the season. In London, Paris, Berlin, Brussels, Nice—wherever society rules, a plenteous supply of these flowers is to be found, and lots of admirers. Forced in the up-to-date way, the improved varieties of lilacs are admirable. They keep well, lend themselves to all combinations, and are fine and effective individually. The tones of their color are so soft that they are never overdone; their airy form and peculiar pearly white tints sometimes washed with pale lilac, pink or blue, improve the most tender hues which are used in combination with them. I have never seen them destroy harmony in any way.

White lilac with La France roses is the richest *jour d' eau* bouquet the Paris florist has as yet put up (and this has been the smart thing for two decades). Cattleyas never showed their fine petals better than in a bunch of faintly bluish lilac. I saw Scott carnations just aglow amid the same; but there is no need to specialize. Among the lilacs you can find a match for anything you have to use with it, except in artificial flower mosaics.

One reason why lilac is so popular here may be the scarcity of good roses and carnations, but I think the principal and best reason is based on its merits as cut flowers and its easy culture; therefore it is bound to stay awhile yet.

A five-minute talk will teach you all about the art of forcing. There is nothing so sure of success and nothing more simple; and here is the great advantage—the forcing can be systematized in such a way that anyone who can fire, syringe and read the thermometer can do it. So as not to scare those who are not interested in the preparatory culture I shall give a short explanation of the forcing methods first, and a few notes of interest, perhaps, to nurserymen afterward.

If you want to do lilacs in the right way you need three forcing departments. Count for every fourth flower you want to force about one square foot of floor space. You can get four crops out of each department by bringing in the first lot (to bloom at Christmas) during the last week of November. Fill the second department from about the 3d to the 5th of December for New Year's bloom, and follow with the third department the 20th of December. The plants will come in after the lull that generally follows the New Year sales; afterward you may bring in the sets 10 days apart, and will have a succession of bloom as long as you please.

In the old year it will take a little over three weeks to bring them into bloom, but after January they will come a little faster in 18 days, and toward Easter even in 15 days. But they keep well for a couple of weeks, and if well hardened off they are so much better and handier for use. Thus it is always safe to be a few days ahead of time.

The forcing house is to be divided into three departments, and must be from 6 to 12 feet high, so as to accommodate the bushes in an upright position. Build a saddle roof house with board walls and roof; the walls a foot high and the roof pitched enough to give about 12 feet of height in center. Midway along the sides of the roof arrange skylights and provide movable shutters, to shut out light and cold. The heating has to be well studied and must be arranged so that each of the three departments can be regulated independently, at from 50 to 85 degrees F. Put a water tap into each department. If you don't want to build a special house then any shed or covered greenhouse, which comes near the above requirements, may do. For January and later 65 degrees of heat will suffice. To simplify the matter I will divide the seasons of forcing into three periods: First, early forcing of plants out of open ground; second, early forcing pot plants; third, Easter forcing.

EARLY FORCING OF PLANTS OUT OF THE OPEN GROUND.

For Christmas and January bloom get, about November 1, good Syringa vulgaris Marlyensis; it is generally called Marly Rouge,, and as such the European nurserymen sell it. If your nurseryman is not an expert on lilac be sure to get bushes of at least six years' growth, with good, plump, round top buds; these only produce flowers. Cut out all weak, non-flowering wood, and break out all the buds (eyes), except the two top pairs of each branch. Pot the plants on the ground in a shed, which keeps out the frost, and let the root ball get dry. It should have been cut to about one-half the size of what would be a fair ball for transplanting. As I mentioned above the Christmas lilacs should go into heat during the end of the last week of November. Plant them as close together as possible in the ground of the first department of your lilac house; give them a good soaking and shut the house tight and dark. Start the heat at 80 to 85 degrees, and keep it steady for 14, 15 to 16 days. During all the time syringe three to four times a day, every time thoroughly moistening the plants, pipes and walls. As soon as the single flowers begin to swell reduce the heat to 40 to 60 degrees, also syringing a little. Take off the shutters, but exclude sunshine. When the flowers are fully open cut them daily and put them into a cool, light room of 45 degrees for four to five days to harden them off. They will then keep 14 days, and can be well shipped and handled.

For New Year's the second crop should be started, as I have mentioned, about the 3d to 5th of December. Give them a starting temperature of 75 to 80 degrees, and when the individual flowers begin to swell reduce to 65 to 55 degrees. Otherwise treat in the same manner as suggested above.

The later crop may be started with a temperature successively lowered 5 to 10 degrees, and about February and later with about 60 degrees.

If Marly Rouge lilac cannot be had take Syringa vulgaris grandiflora, or, as it is generally called; Charles X; or else the pretty naturally white Marie Legraye. Charles X will set flower buds as a young plant, but they should have five years at least, unless specially grown for forcing. Its flower buds are very thick and round, while those of Marie Legraye are more elongated. Both should be treated like the Marly Rouge; and all three will come nearly pure white by this way of forcing.

EARLY FORCING OF POT PLANTS.

If the white flowers for cutting are the desideratum, there is no advantage in taking pot plants, but Charles X as pot plants will furnish prettily colored flowers, and the double varieties may be forced in pots.

For prettily colored single lilac choose Charles X pot grown. To be worth this qualification the plants should be solidly root bound and, of course, they must be well set with buds. If you want to cut the flowers take off all useless wood, and all the buds except the two top pairs of each branch; but if you want pretty pot plants for sale you may leave such weaker branches as help to fill a gap, and also leave all the buds on the plants. Of course, a few sprays of asparagus or Sprengeri can effectively be added later to decorate the plant. The treatment is nearly identical to the above, except that they should, during the whole later half of the forcing time, be exposed to strong light (no strong sun). As the plants are much smaller, only 4 to 5 feet, or even less in height, they do not need, of course, such a high forcing house. I have seen a very economical way of forcing them in Hamburg, and shall give a description of it here:

In a lean-to house (north exposure would answer well, or if south side it should be whitewashed, or otherwise shaded from strong sun) with a stage, steps about 5 to 6 feet from the glass. The space under the stage was roofed over with boards nailed tight together from below against the joists which supported the stage. At both ends this part of the house was shut off with a little gable wall; each had a door. Thus it formed a box wholly partitioned off from the rest, the light part of the house. As part of the pipes ran through this boxed in space, a difference of 15 to 18 degrees was obtained; still the light part had 62 to 65 degrees; the dark portion would have about 80 degrees. The pot plants, in sets proportioned in number to the likely demand for the flowers, were started in the dark underneath the stage at 81 degrees, and after two weeks, when the flower trusses were well developed, the pots were stood on top of the stage in the full light, in a temperature of 62 degrees. As soon as they were fully in bloom they were removed to a cold, light house of about 45 degrees. After three to four days hardening off they were used for shipping, etc. Much space is gained in this way, especially as during the dark forcing the plants may be put on benches built one on top of the other, and need not stand upright. It is necessary though, in this latter case, to thoroughly soak the roots before they are taken in. Syringing, of course, has to be done as advised above.

Double lilac in pots may be forced exactly like the Charles X in pots, though they are not all safe before January. They are the most exquisite of all. Besides the variety of form and color which they offer, they have the great advantage of keeping three, four, even five weeks in bloom (in a cool place, of course). They are splendid plants for a dwelling house. The flowers when fading do not drop from the plants as do the single ones. From a treatise by F. Harens, Hamburg, which is published in book form by L. Möller, Erfurt, I select the following finest varieties, all of which that expert forcer has tested and approved as good for forcing. No doubt many more will prove satisfactory, but as yet good material is a little scarce and expensive. The order indicates the succession in which to force them. To begin not earlier than for Christmas take Leon Simon, very light pink; President Grevy, violet blue; Mme. Casimir Perrier, white; Virginite, salmon pink; Mme. Lemoine, finest white, and Doyen Keteller, light rose.

All of these are raised by that master hybridizer—Leomine, Nancy.

(To be Continued.)



View of Easter Display of C. E. Applegate, Brooklyn N. Y.

Darwin Tulips for Forcing.

The May-flowering Darwin tulips have hitherto not been tried for forcing to any extent. The Quinquennial Bulb Show, held at Haarlem, from March 16 to 20, has shown the excellent results which may be obtained by forcing these brilliant late tulips, and the glorious display they are capable of producing. A group of about 50 varieties was shown in low pots or pans, each containing 10 to 12 bulbs of the same variety. [See p. 409, issue April 14.] The development of all the blooms in each pot was remarkably regular, and they were almost exactly as large and bold as in the open ground, at the usual flowering period. The bulbs were forced in the usual way, almost every pot was faultless, and it proved quite easy to get them in bloom before the opening of the show, on March 15. It would have been possible to get them ready many days earlier if wanted. The Darwin tulips are now being generally appreciated for their dazzling colors and bold grouping effect in May, but it may interest the readers of this paper that these late tulips may successfully be forced to bloom as early as the first part of March.—E. H. KRELAGE & SON, in Gardeners' Chronicle.

Plants Left Over From Easter.

There will no doubt be many plants that through some cause or other were left unsold at Easter time and are too valuable to be thrown away. Such plants as acacias, cytisus, ericas, rhododendrons and azaleas, together with ferns and roses, are all worth saving; and the florist who has greenhouses of his own will, with very little trouble, be able to keep till another year any of the above-mentioned subjects, and find them increased in value.

ACACIAS AND CYTISUS are cool greenhouse plants, and should always be treated as such. They remain in flower a long time when grown cool, and if unduly forced the bloom is correspondingly short-lived. After they are through flowering let them rest for two or three weeks, giving them just enough water to keep them from suffering; then cut them back closely, without touching the old wood, excepting where it is necessary to keep the plant in nice form, and repot them, using a rich soil in which the manure is thoroughly decomposed. As this is the only potting they will need during the coming year care should be taken that the soil used is free from all vegetable matter, so that it will keep from turning sour as long as possible. Draining the pots is also an important item, and with these as with all other plants that are only potted once a year, plenty of drainage is necessary and had better be overdone rather than not enough supplied. After the potting and cutting back has been done, and all danger from frost is over, the best place for the plants is outdoors. Stand them either on boards or gravel, to avoid the pots being clogged up at the bottom, and as the plants commence to grow increase the supply of water. An occasional good syringing with the hose will keep them clean, and aside from seeing that they are watered regularly and cutting in any irregular growths that are made, no further care is required until the Fall, when they should then be taken into the greenhouse and kept moderately cool, where they will flower again within a few days of the same period in which they bloomed the year previous. Should they be wanted to flower earlier it is better to give them a few degrees higher temperature from the time they are brought inside rather than try to force them hard for a few weeks just prior to the time they are wanted.

AZALEAS—These should have all the dead flowers carefully picked off, and when entirely through blooming should be shifted into larger pots. Potted sods and leaf soil in equal parts, with a little sand added, make a good compost to use, yet if the leaf mould is not obtainable one-eighth part of well-rotted manure may be used with the soil. The potting should be done as firmly as possible, using a flat stick to pack the soil well down all around the ball. The best location for azaleas throughout the Summer months is outdoors, plunged in the ground up to the rim of the pot. Do not put them away in a corner where the hose pipe will not reach them, and where the water has to be carried by hand, else some Sunday they might be neglected and suffer thereby. Place them in the most convenient spot possible, where they will be under the eye at all times; then they will be sure to receive all the water and syringing they need, which, through the warm weather, will often be twice a day at the least.

RHODODENDRONS—If any of these plants are left over the best possible way to treat them is to plant them outdoors in well enriched soil. They may be put quite close together, though not crowded so as to touch each other, at the time of planting. Water should be applied freely during dry weather, and in the Fall, when the cool weather approaches, those that are well set with buds may be lifted and potted, then placed in a cool house, where they may remain until time to bring them into bloom. Such plants as have not become well set with flower buds can be left outdoors through the Winter, but they must have some protection given them. A good mulching of litter, and either straw or hemlock boughs filled in between the plants, will afford good protection for them. This must not be done, however, until Winter has fairly set in, for to cover the rhododendrons up and then have a warm spell of weather afterward would be injurious to them. At the approach of Spring all the protecting material should be cleared away and the plants left as they are during the coming season, when it will be found that all will be filled with buds and may be lifted and forced during the coming Winter and Spring.

HEATHS—These are probably the least understood of any of our present day flowering plants. They are becoming more popular every year, however, and to be without them is simply to be without the very choicest of blooming subjects. With the varieties at command plants in flower can be had all the way from Christmas on till Summer time, and any that are left over can be easily kept till another year, and at the same time be worth double the value. After they are through flowering they should be cut back to within about an inch of the old wood, and watered very sparingly until new growth commences. When it is seen that growth is starting, repot them, using coarse fibrous loam and peat in equal quantities, with a good addition of coarse sand. Pot as firmly as possible, using a stick to ram the soil down around the ball. Plenty of drainage must be afforded them, and care must be taken to have the neck of the plant slightly higher than the soil at the edge of the pot, to prevent water settling around the neck, as that condition would soon result disastrously to the plant. After heaths are potted, either a very cool house or a cold frame is the most suitable place for them. The frame is to be preferred, as when Summer comes the sash can be removed altogether and he put on at will should a rainy spell of weather occur. Should they grow vigorously it is essential that another shift into larger pots be given them during the Summer, as they must not be allowed to become pot-bound to any great extent.

ROSES—The easiest way to treat these is to plant them out at once, and, without pruning, let them stay until next Winter, when they may be lifted and repotted. Rambler roses, however, can be had in better shape, we believe, by keeping them in the pots all the time, though it is more work to so treat them. Stand them outdoors and do not stint the water supply until they cease growing entirely; then it should be gradually withheld to better facilitate the ripening of the wood. Before taking them in for the Winter repot and use the best soil obtainable, with plenty of well-rotted manure added. Cut out the weak canes and tie the others into the form desired.



(92) **Compost for Violets.**—C. A. P.—An excellent soil for violets can be made by cutting the turf or sods from an old pasture. Cut them 4 or 5 inches thick, and pile them in some convenient place, adding one-fifth well-rotted manure and one bushel of lime to the cart load. If the sods cannot be obtained, the top soil of a well-cultivated field is the next best thing.

(93) **Carrying Over Asparagus.**—I would like to know, through your valuable paper, the best way to carry over Asparagus plumosus nanus and A. Sprengeri from one season to another; and if it is best to rest them in the Summer or divide the plants when they get large?

—To carry over asparagus from year to year division of the stools is not necessary. A solid bed is the best place in which to grow the plants, and they should have a partial rest during July and August or, before that time, if the strings were cut down earlier.

(94) **Trouble with Geraniums.**—I have some red geraniums which make a freaky growth of curled and twisted leaves, and produce no flowers. They are of the so-called double General Grant kind, and as my other varieties don't show any defects at all I am at a loss how to account for this trouble. I grow about a dozen varieties, all O. K., and all have been treated at the same time and in the same house. Have the plants in question deteriorated, and can the trouble be stopped by rouging?—A. V. L.

—The geraniums referred to are, perhaps, of some played-out variety, for although freaks in the formation of the foliage will occur in any variety the one named has always proved very satisfactory, and is known as a very free bloomer. If the plants are old ones, and have been stood in a shady corner all Winter, they should be cut down and repotted. If they are of this Spring's propagation, and every plant shows the same trouble, we would throw the whole batch away and get some better stock. The geranium, like every other plant, needs selection of cuttings to keep them from deteriorating.

(95) **Composition of Soil.**—Would sand benefit a heavy clay loam for growing roses and carnations? The soil retains the water a long time. It was cut from an old meadow, with a heavy sod. What quantity of manure should be used for roses and carnations? Should the manure be thoroughly decomposed?—T. A.

—If the loam is too heavy to drain properly, sand should be used by all means; though less would be needed for the roses than for the carnations, as roses are partial to a moderately heavy soil. Manure is of the most value always when thoroughly decomposed, but if we were preparing the soil heap several months before it was to be used, and the soil was as heavy as that mentioned, we would not object to using half-rotten stable manure, as the straw would help to lighten it. For the roses one-fourth of such manure should be used, and for carnations one-sixth.

(96) **Coleus Damping Off.**—Is the top temperature from 80 to 85 and bottom temperature from 60 to 65 degrees the cause of coleus damping off?—READER.

—We presume this inquiry has reference to the propagating bed, and the amount of water supplied to the coleus in such a heat to keep them from wilting is no doubt the direct cause of the damping-off. The top temperature should be less, rather than more, than that of the bottom heat, though coleus will thrive well at almost any temperature above 50 degrees if the watering is done intelligently.

(97) **Treatment of Seeds of Pandanus Utilis.**—Will you kindly tell me how the seed of Pandanus utilis should be treated before planting. Should they be soaked in warm water or put in as they are? How long does it take for them to germinate? I had fine Musa ensete seed come up this Winter that were planted last May.—CHAS. GREEN, Ala.

—To grow the Pandanus utilis from seed use shallow flats or boxes; place one or two inches of leaf soil in the bottom, spread the seed over this, then cover lightly with the same kind of soil, and on top of this put a thin layer of sphagnum moss. Water just enough to moisten through; place the flat on a bench where it will receive a gentle bottom heat, and keep the seeds just moist at all times, taking particular care that they never once become dry. The length of time necessary to germinate depends upon the amount of heat given and the quality of the seed. In an ordinary greenhouse temperature, with good seed, 90 days will be long enough to start them growing. No soaking of the seed in warm water is necessary.



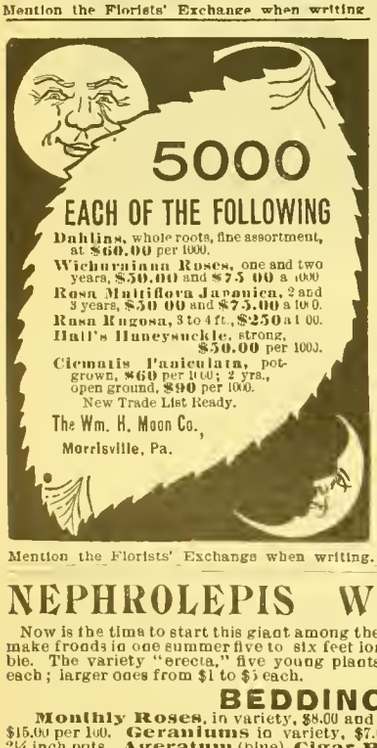
View of Interior of Store of Alex. McConnell, New York.
Photographed early part of March.

PETUNIAS, DOUBLE FRINGED
A good assortment of Money-Makers.
The plants we offer are strong stock, from 2 inch pots, at $2.00 per 100; $18.00 per 1000.
E. I. RAWLINGS, - Quakertown, Pa
Mention the Florists' Exchange when writing.

300,000 VERBENAS
60 finest named varieties, including our new MAMMOTH WHITE MRS. McKINLEY. The finest white Verbena grown.
Perfectly healthy. Free from rust.
Rooted cuttings, 60 cts. per 100; $5.00 per 1000.
Plants, $2.50 per 100; $20.00 per 1000.
Our list is the choice from millions of seedlings
Send for Circular.
J. L. DILLON, Bloomsburg, Pa.
Mention the Florists' Exchange when writing.

The Following Plants Out of 2½ in. pots, ready about May 1, $2.50 per 100; $20.00 per 1000.
400 Salvia Splendens, 500 Alyssum (Little Gem), 400 Ten-Weeks Stock, 500 Centaurea, 500 Maurandya. 500 Lobelia (Crystal Palace), 500 Kenilworth Ivy, 800 Petunia (single), 400 Myosotis. And other plants. CASH.
B. F. MUSCHERT, - - Penn Valley, Pa.
Mention the Florists' Exchange when writing.

Rooted Cuttings
BY MAIL PER 100.
Salvia, Splendens and Bonfire;
Heliotrope, finest fragrant varieties;
Lobelia, C. P., Gem and trailing;
Feverfew, Dwarf Gem;
Vinca Variegata,
Above at $1.00 per 100, by mail; $8.00 per 1000, by express.
Pot plants, $1.50 per 100.
Fuchsia, $1.00 per 100; pots, $1.50.
Paris Daisy, Giant, $1.00 per 100; from pots, $1.50 per 100.
Alyssum, Double Giant, $1.00 per 100.
Rudbeckia, Golden Glow, from pots, $3.00 per 100.
Solanum, Jasminoides Albs, finest Vine for vases, $1.50 per 100.
Dracæna Indivisa, extra good value, 3 in. pots, $3.00 per 100; 4 in. pots, $5.00 per 100.
Oranges, Otaheite, 4 and 5 in. pots, 10c. each in lot of 10 or over.
Carnation McGowan, $1.00 per 100, $5.00 per 1000.
Cyclamen P. Giganteum, Benary's finest strain, $2.00 per 100; from pots, $3.00 per 100.
Day Lily, white, $5.00 per 100.
Cash with order.
ORANGE FLORAL CO., West Orange, N. J.
Mention the Florists' Exchange when writing



Mention the Florists' Exchange when writing.

Farquhar Violets Rooted cuttings, $10.00 per 1000; from 2½ inch pots, $3.00 per 100, $25.00 per 1000. CASH WITH ORDER.
THOS. F. O'BRIEN, 26 Folsom Street, Roslindale Mass.
Mention the Florists' Exchange when writing.

Violets My Specialty
LA FRANCE,
The best and largest single violet, good-rooted plants, $3.00 per 100; $25.00 per 1000.
PRINCESS OF WALES,
$1.00 per 100; $8.00 per 1000. Cash please.
SEA CLIFF NURSERY, Sea Cliff, L. I., N. Y.
FD. BOULON, Proprietor.
Mention the Florists' Exchange when writing.

ROOTED CUTTINGS OF PRINCESS OF WALES **VIOLETS**
Exceptionally good stock.
$2.00 per hundred. $15.00 per thousand.
SATISFACTION GUARANTEED.
WM. SIM, Cliftondale, Mass.
Mention the Florists' Exchange when writing.

ROOTED CUTTINGS
New Imperial Violet
From 2-inch pots; $3 per 100; $25 per 1000.
Satisfaction Guaranteed.
T. G. THRASHER, Avon, Mass.
Mention the Florists' Exchange when writing.

ROOTED CUTTINGS COLEUS, Verschaffeltii, Golden Queen, assorted kinds. Usual prices.
L. H. FOSTER, 45 KING STREET, Dorchester Mass.
Mention the Florists' Exchange when writing.

A BARGAIN FOR YOU
1000 R. C. Vinca Elegantissima, $1.50 per 100; 1000 Alyssum, Giant Double White, $1.00 per 100. Extra size; 500 fine seedling Vernon Begonia, $1.50 per 100. 50 Euonymus Japonica (variegated), 2½ inch pots, 10 cents each. Cash please.
MRS. E. A. SPRAGUE, Box 124, - HOLLY, N. Y.
Mention the Florists' Exchange when writing.

20,000 SMILAX
Transplanted, very strong, healthy plants, from flats, 50 cts per 100; $4.50 per 1000, by express.
10,000 VERBENA Transplanted, rooted cuttings and seedlings from flats, 50 cts. per 100; $4.50 per 1000, by express.
10,000 GREVILLEA ROBUSTA Transplanted, strong stock plants, from flats, 75c. a 100, $6.50 a 1000, by express.
F. B. MILLS, Box 200, Rose Hill, N.Y.
Mention the Florists' Exchange when writing.

SEASONABLE BEDDING PLANTS
GERANIUMS, A. Riccard, Mme. Jaulin, double and single Gen. Grant, and all other leading varieties, in 4 inch pots.
AGERATUM, Princess Pauline, in 4 inch pots.
FUCHSIA, strong plants in bloom, in 4 inch pots.
PANSIES, superior strains from cold frames.
COLEUS, in varieties.
Prices on application.
J. H. FIESSER, 315 Summit Avenue, West Hoboken, N.J.
Mention the Florists' Exchange when writing.

ASPIDISTRA Nice pot plants, 8 to 10 leaves, 5 cents per leaf.
Vinca var., 3 inch, $3.00 per 100.
Heliotropes, 2½ inch, fine, $2.00 per 100.
Apple or Rose Geranium, strong, for 4 inch, $3.00 per 100.
Started Cannas, $3.00 per 100.
Echeveria Secunda Glauca, young stock to give good plants till spring, 50c. per 100. Cash, please.
WILLIAM STUPPE, Hollis, L.I., N.Y.
Mention the Florists' Exchange when writing.

NEPHROLEPIS WASHINGTONIENSIS
Now is the time to start this giant among the Nephrolepi ferns, with proper treatment it will make fronds in one summer five to six feet long by 12 to 15 inches broad. They are very durable. The variety "erecta," five young plants, for $1.00, free by mail; 4 inch pot plants, 50 cts. each; larger ones from $1 to $5 each.

BEDDING PLANTS.
Monthly Roses, in variety, $8.00 and $10.00 per 100, from 4 inch pots; from 5 inch pots, $15.00 per 100. **Geraniums** in variety, $7.00 per 100, from 4 inch pots; $3.00 per 100, from 2½ inch pots. **Ageratum** (blue) **Cigar Plants, Scarlet Sage, Sweet Alyssum, Verbenas, Carnations, Hardy** and **China Pinks, Lobellas, Ivies, Coleus, Alternantheras,** from 2½ inch pots, $2.50 per 100. **Dahlias** and **Cannas,** from benches, strong rooted plants, in variety, $5.00 per 100. Seedlings of Annuals and Perennials, $1.50 per 100. ALL FOR CASH. 25 AT 100 RATES.

DECORATION AND FOLIAGE PLANTS.
Young, healthy stock of **Palms, Ferns, Dracænas, Marantas, Dieffenbachias, Pandanus Utilis, Anthuriums, Clerodendrons, Allamandas, Stephanotis, Cissus, Ruellias, Jessamines, Cyperus,** Etc.
Please state what you wish, and I will quote you lowest prices, as I issue no catalogue.
N. STUDER, Anacostia, D. C.
Mention the Florists' Exchange when writing.

Providence, R. I.

A Good Easter Business.

The prediction of a big Easter business, and the purchasing of a large quantity of cut flowers and blooming plants was not a mistaken one, for trade with us was fully 25 per cent. better than last year's, and nearly everyone sold out. The rain on Thursday and Friday had a depressing effect, so mostly all the business was crowded in on Saturday, which made it harder for the people behind the counters. Some buyers could not get waited upon in a hurry, and would leave one place to go to another, only to find the same condition existing. Towards 8 o'clock T. J. Johnston closed his store against all further business for that evening, and all hands set to to put up orders. Stock of all kinds was exceptionally good—much better than last year. Violets sold like hot cakes all day Saturday and Sunday forenoon. There was no advance in the wholesale price, as flowers were in abundance, consequently the retailers made a little extra profit. In sympathy with the prices, however, asked for other flowers, carnations, for nstance, the florists hadn't the nerve to ask the ante-Easter price, as these flowers sold readily at an advance.

On top of the Easter business everybody seemed to have funeral work to do. The grip, which has been very prevalent here, is the cause of the large death rate. The members of the craft previously reported on the sick list have recovered.

Prices ruled higher this year. Carnations were scarce and sold, wholesale, at $4 to $6; lilies, 12c. to 15c. each; roses, $6 to 16; Beauty, 25c. to 50c. Tulips and narcissus in pots sold well.

Harrisii and longiflorum lilies were the best selling plants; azaleas, lilacs and rhododendrons, in the order named, were the next best sellers in that line. There was seen at T. J. Johnston's the only Acacia parndoxa in the city and for the first time; they sold well. Geo. C. Kelley had the finest show in his greenhouses seen in this section. Everything was sold out.

There was more advertising done in the city paper this year than ever before. The only thing I attribute this to was to keep the masses away from the department stores, which recently added a flower counter. Of course, it did some business, but I question if it affected the florists much. A. M.

Philadelphia.

A Profitable Easter.

The largest and most profitable business we ever did, is the report heard from all, both growers and retailers, regarding the Easter business. Everyone appears to be well satisfied with results. With the majority of stores both cash and charged sales were far ahead of those of previous years. Many stores had lots of plants left unsold, but even then they were ahead; and of the stock left over very little was lost, as business has been good this week, allowing stores to use up the surplus.

In reviewing the general business it is gratifying to note that the demand for high-priced plants was very good; in fact, some stores could have used more. Cheap stock, such as hyacinths, tulips and spiræas, formed the bulk of stock left over. In some cases there were too many azaleas; it is certain too many of these were grown, as plants that cost 35c. to 40c., potted, were sold at retail at 50c.; and many plants were offered at $3 retail that other years went for $4 to $5. There were many lilies unsold; but it is difficult to say that there were too many of these. It would be better, perhaps, to state there were too many poor flowers, also plants; in consequence, buyers turned to other stock. Many lots of lilies were too far advanced, and were soft when sent in. Then there were many poor plants—short and unhealthy—with flowers looking half starved, unable to develop fully. Good lilies found ready sale; made-up pans containing three plants sold very quickly, and where a price was put on plants sales were quicker. Some would say 25c. per flower and then count the flowers; when the price was given outright sales were better.

Crimson Rambler roses at from $4 to $10, retail price, found ready sale, but above that figure went slower. The demand for the very large plants which wholesaled at $15 to $25 was very poor; evidently their day is gone.

Hydrangeas sold very well, the call was greatest for large plants in 8 to 10-inch pots.

Rhododendrons also found ready sale, except in very large plants. Tulips and hyacinths sold best in small pans—6-inch to 9-inch. Spiræas in large pans, 10 or 12 clumps to a pan, did not go well in this city.

Cut flower trade was very good; everything salable was well used up. In roses medium length Beauty and white varieties were rather scarce. Robert Scott & Son sent in 2,000 Liberty, which were quickly used up. Carnations also sold out well, except those received late Saturday, which were, in most cases, too light and sold a few days later. Violets of fresh stock went well. There was a large quantity of Southern stock around which went to the street men, as also did the Southern daffodils. It can be safely said that in most stores the orders for cut flowers were in advance of those of past years, as the force of employees was kept going many hours longer this year. The weather was all that could be desired, and deliveries were made with more promptness.

Certainly no city showed such a floral display as did Philadelphia; no matter in what part of the city you went you met people carrying flowering plants, and both in the home of the artisan and the millionaire were seen displays of these. Florists in the vicinity of the cemeteries did a flourishing business, and were kept busy until dark on Easter Sunday. Church decorations were also carried out on a much larger scale this year, and in many cases better prices were obtained than in past years.

This week has been a week of weddings, nearly every store having some on hand. Pennock Bros. had three on Tuesday and eight on Wednesday, five of these being large decorations, so that nearly everyone with flowering plants left from Easter has at least been able to get the cost out of them for either decoration or cut flowers for design work.

Easter of 1900 was a good one for all. Next year Easter will fall on April 7.

DAVID RUST.

Marie Louise or Farquhar Violets
Plants, runners, some rooted, some not rooted; good strong, clean stock right from the clumps; no disease; no black fly. Cash with order.
JOSEPH MARKLE, Rhinebeck, N. Y.
Mention the Florists' Exchange when writing.

VIOLETS—Princess of Wales
The only Violet to grow; strong rooted cuttings, $1.00 per 100. 2½-in. pots, $2 00 per 100.
EVENDEN BROS., Williamsport, Pa.
Mention the Florists' Exchange when writing.

VIOLETS, Marie Louise 10,000 Rooted Runners, $5.00 per 1000.
2000 Clumps, $4.00 per 100, ready for delivery after May 1st. Cash with order.
DEAN & PARSE, Summit, N. J.
Mention the Florists' Exchange when writing.

MARIE LOUISE VIOLETS
100,000 Rooted Runners for Spring shipments, strong, healthy, A No. 1 stock, $4.50 per 1000.
Cash with order.
L. R. LANE, Babylon, L. I., N. Y.
Mention the Florists' Exchange when writing.

IMPERIAL VIOLET!
A few thousand rooted cuttings of this grand strain, taken from stock obtained direct from the originator.
Price, $45.00 per 1000; $5.00 per 100.
WM. E. GLIDDEN, West St., NATICK, MASS.
Mention the Florists' Exchange when writing.

The New Imperial Violet.
COLOR—The darkest blue grown.
FORM—The largest and most double.
HEALTH—The most vigorous.
PRODUCTIVENESS—An average of 70 blooms per plant last season; this season, from a closer selection, to date averages 88 and still blooming; 95 per cent. of all blooms grade as No. I.
Send for Descriptive Circular and Prices to
W. L. MINOR,
Originator and Grower of the New Imperial Violet,
BROCKTON, MASS.
Mention the Florists' Exchange when writing.

New York.

Easter Trade.

Now that the hustle and bustle of this, "the harvest time of the grower," is over, we can look back with much satisfaction upon all things concerning the business in general. In the first place, although we have had a cold Spring thus far, Easter was late enough to allow of all kinds of flowering plants to be brought in without much extra forcing, and there is probably no Easter on record when plants have given such universal satisfaction as they have done this time. Storekeepers bought very heavily in advance, and are free to admit that never before were they so well suited with the quality delivered to them.

At the Clinton Market.

Over on the West Side, at the corner of Canal street, the business of the day may be said to begin. Saturday morning broke cold and clear, and the scene around the old market was lively indeed, both inside and out, for it must be understood that a great many growers prefer the outside to the inside of this antiquated dilapidated building, to dispose of their products. We counted 38 salesmen with their wagons standing around the little triangular park that faces the market, while inside the building we were informed about 36 stands were occupied. If one wants to see this market at its busiest we would recommend him to be there not later than 4 a. m., for here there is little dallying or haggling over values, and before 6 o'clock the rush is over and the growers are making tracks for home again. The principal buyers are the peddlers and the small storekeepers of the city, and the fact of the peddler having to get his wares into the residential districts early makes it possible for the growers to get rid of their stock in short order, and seeing that the time they spend in the old market is so limited, and that the location has become the rendezvous of all the plant peddlers in the city, we cannot but feel that the Market Florists' Association is justified in clinging to the old market, but the city authorities ought to make the place more comfortable.

In referring to the demand for plants, we may say that everthing sold well and brought satisfactory prices. A great variety was offered, and with the possible exception of hyacinths the quality was generally above the average. Geraniums in 4-inch pots with one truss of flowers brought $1 per dozen; pelargoniums in 5-inch pots fetched $2.50, while some finer stock in 6-inch pots realized 50c. each. Spiraeas, caraations, callas and lilies all brought $2.50 per dozen. Rambler roses realized from $1.50 to $6 each, according to size; hybrid roses, from 25c. to 50c. each; these were in 5 and 6-inch pots. Azaleas brought from $1 up. Acacias were mostly small and fetched $3.50 per dozen. Hydrangeas went at from $6 to $8 per dozen; rhododendrons, $1 each; heliotropes, anthemis, White Ten-Week stock and hyacinths, $1 per dozen. The market is open every morning. No retail sales are allowed, and President Lehaig, Secretary Leach and such staunch supporters as H. C. Steinhoff, John Nicol, John Birnie, George Brown and a host of others deserve great credit for the manner in which they have consolidated and made it possible for buyers and sellers to come together at one particular location—a feat that the cut flower people have yet been unable to accomplish.

In the Cut Flower Exchange.

By 6 o'clock in the morning business in cut flowers commences, and we find at the Cut Flower Exchange, in East 34th street, a regular pandemonium of noise and scurry. The place was chock full, and the dealers elated over the prospects of selling out at good prices, as the presence of so many buyers indicated. The weather looked promising for a fine day, and to would-be buyers this had a great significance. There was a fairly good supply of everything, but by 7 o'clock a comparative quietness prevailed, and all the salable stock was gone. Lilies brought for the best $10 per 100, and carnations $4 and upwards. Tulips, daffodils and single narcissus also realized $4. Callas fetched $1.50 per dozen straight. Smilax was not over plentiful, selling out quickly. Many commission men were among the buyers—or perhaps they were only gathering pointers as to the probable supply and demand of flowers for the day. There they were, however, and we have no doubt that a good many large lots were bought to be again resold in the commission district later in the day.

Around the Wholesale District.

In the wholesale district, 28th, 29th and 30th streets, and at the Cut Flower Co.'s place, 23d street, business did not open with any particular rush. No uneasiness was felt, however, as it was well known that retailers were all well loaded with plants, and that cut flowers would not be seriously thought of until toward midnight. Moreover, 28th street seemed more like a plant mart than anything else, judging from outward appearances. Loads of plants were displayed on the walks and in the windows, and if plants are to be the popular thing for Easter, why the commission men will handle them just as well as cut flowers. Roses were in quite heavy crop, especially Beauty. Violets also were very heavy, but the same cannot be said of carnations. Saturday night and Sunday morning business in cut flowers took on a lively turn, and by Sunday noon all good stock, with the exception of special and fancy Bride, had been cleared out. Special Beauty had been sold at various prices; some flowers had realized 65c., but more had gone at 50c.; and where they had been cut at all tight a less figure than that had to be taken. Bridesmaid fetched 20c. in some instances for specials, though the majority ruled at from $12 to $15 per 100. The short grade sold at from $3 to $4. Bride did not go so well as Bridesmaid, and some of the top grades of the latter were left over. The shorter flowers could be used for making up, however, and went off about as well as the pink variety. Meteor did not do any better than at ordinary times, the presence of Jacq. in the market no doubt being responsible in a great measure for this. Long-stemmed Jacqs. brought $3 per dozen, the shorter stock clearing out at proportionate figures. Brunner sold well, some of extra length bringing as high as $6 per dozen.

Carnations of fair standard quality sold easily at $4 and $6 per 100, fancies bringing $8, and novelties as high as $2 per dozen. Tulips, daffodils and single narcissus remained steady at $4 per 100. Lily of the valley went fairly well, the top grade realizing $3.

The quantity of violets received was something enormous, and considering the quality the prices realized ought to be very satisfactory. Specials brought $1; ordinary, 50c. and 60c.; those of poorer quality went to the street vendors in great quantities, at about 40c. per 100.

Taking it all in all the wholesale business this Easter has been satisfactory to all concerned, so far as we have been able to learn. The shipping trade was good on the few days previous, and from our own observations we do not think there have been so many pickled flowers in the market this year as was the case in previous years, though, of course, there were some. Lilies seemed to be rather too plentiful on Saturday forenoon, but they went off all right, and while many sold at $10 there was also pleaty that realized $12.

Aside from the regular run of flowers we noticed a few bunches of larkspur, some light-colored gladiolus and a few fine blooms of the rose Captain Christy.

In green goods bronze leucothoe sprays and leaves of the berberis were special features with H. Bunyard, and enormous quantities were sold to the trade by him.

Among the Retailers.

The show windows of the retailers never looked more beautiful than they did last Friday. Ribbon was not used so extravagantly as on former occasions and the displays were thus rendered more charming. J. H. Small & Sons used some finely colored crotons among large pans and baskets of superb hyacinths in one of their windows, backed by lilies and acacias, making one of the prettiest sights observable. In the center of the store stood what was undoubtedly the finest specimen kentia in the city. The walls were banked to the ceiling with the very cream of choice plants—the whole making a most beautiful display.

In George Stumpp's large store plants were arranged in groups, and the windows were most tastefully filled. Large stock predominated, and some very valuable specimens were to be seen. One window was filled exclusively with large Rambler roses, excepting just the center space, which was occupied by a splendid specimen acacia. The touch of yellow in the sea of red was a beautiful blend.

Hodgson & Son's three large windows were extremely fine; one was filled entirely with lilies, one with azaleas and hyacinths, the other with acacias in brass jardinieres. The last named had a very rich, golden appearance and was very striking.

Alex. McConnell had, as usual, a beautiful assortment of the best stock obtainable, and the windows and space in front of the store were filled to overflowing with choice specimens. A near-by store had to be used as an anaex, to such large proportions has his plant trade grown.

Wadley & Smythe had an elegant line of large specimens, among which were some fine bougainvilleas and tall Rambler roses.

The Gallatin Co. showed very fine plants in azaleas, on which ribbon had been used quite lavishly.

The Rosary had a magnificent specimen rhododendron in their window, and the sides of the store were banked with choice plants.

Fleischman's specialty was birch bark pot covers and baskets, and his display of plants was very effective. Artificial accessories were not employed, and the plants on view were of the very choicest.

Although plants were bought very heavily by the storekeepers in advance, it became apparent on Saturday morning that they had made no mistake in so doing. Many near-by growers were telephoned to for additional supplies early Sunday morning. That tells the condition of the plant business better than any words. Of course, some plants are left over, but not enough to speak of.

The cut flower trade was better than was anticipated; the church decorations were as elaborate as ever, and among the retailers in general the opinion is that business was never better.

After Easter.

There has been but little business in the cut flower line since Sunday. The weather has been very disagreeable, Tuesday and Wednesday both being very wet days. With the number of society events scheduled for this week it was hardly expected that business would fall quite so flat; nevertheless there was scarcely any demand on Monday, and the day previous had been so uncommonly warm and fine that roses began to pour in in unexpected quantities. The demand has been so light that they accumulated rapidly, and the prices were cut accordingly—stock that had been held over one day being disposed of at whatever figure could be obtained, straight slips going as low as $15 and $18 per 1,000. There is quite a lot of mildewed roses now on the market, and the dealer who is unfortunate enough to have this class of stock on hand is in a most unenviable position. Nobody wants it, yet satisfactory returns are expected to be made.

Violets continue to be very plentiful, and while a few of the specials are bought by storemen at reasonable figures the majority has to reach the public through the hands of the peddlers. On wet days this outlet is stopped altogether, and when a pleasant day does come, as it did on Thursday, dealers can only unload by offering the flowers at bargains to the street men. On the day mentioned immense quantities were thus disposed of at $2 and $3 per 1,000.

Carnations are going rather slowly and at reduced prices, still there is no apparent glut as yet. Prices on callas and lilies have gone down from where they were last week; good stock of both can be had at $6. Orchids are to be had only in limited quantities, and meet with fair demand. Good valley goes at $2.50. Daffodils and tulips are much reduced in supply, and the price has been cut in half since Easter Sunday. Limited quantities of delphinium and blue cornflower are in, and bring from $1 to $1.50 per bunch of one dozen. Good smilax remains somewhat scarce, and the best strings realize 25c. Asparagus and maidenhair fern move fairly well, but smilax is in the lead among the green materials.

At a recent society wedding Alex. McConnell put up some of the finest decorations of the season. In the parlor, where the ceremony was performed, a large canopy, composed of Bride roses and lily of the valley, the latter forming the margin and being a solid mass 2 feet in width, was made in the center of the room. From the canopy, and extending to each of the corners of the room, white gauze ribbon was gracefully hung. The side walls were completely lined with American Beauty roses. In the hall room at Delmonico's, where the reception was held, a bower of palms and Beauty roses and a horseshoe 6 feet high overhung the bridal pair, while the guests were being received. Twenty-four guest tables were used for the dinner, and each one was adorned with Beauty roses and asparagus. The bridal table was trimmed with the same kind of flowers as were used in the canopy—Bride and valley—and in the center was a 4-foot high basket, which was composed also of similar flowers. The bridal table, canopy and bouquet were all in white, all other decorations being red and green.

Brevities.

Mrs. Williams, well known in the business as Lena Koch, died on Thursday, the 12th inst., and was buried on Monday, the 16th. The deceased was 43 years of age and had kept a flower stand at the corner of Fulton street and Broadway from the time she was 13 years old, till a short time ago.

In Frederic Loeser's large department store in Brooklyn a cut flower business was opened this week under the management of C. Prettel.

Tuesday being a wet day seemed to benefit the auction rooms greatly; large crowds were observed in both places, and stock sold freely, realizing satisfactory prices.

Saaders' annual Spring sale of orchids was held in Cleary & Co.'s on Thursday, and a choice lot of stock was disposed of. Among those attending the sale were W. Mathews, Utica, N. Y.; J. Rochrs, Carlton Hill; Dr. Kitchener, Orange, N. J.; A. Herrington, and W. Duckham, Madison, N. J.

Baltimore.

Easter Trade.

With fair weather and good stock in great abundance, trade had every advantage to make it good. The tale to be told this season is, persons that had never bought a plant bought one this year. It was a great pleasure to see men carrying home pots of tulips, hyacinths and lilies on Saturday night.

The department store is a feature in the business to-day, and in future Easters it must receive a consideration Naturally, these stores advertise their stock at prices much lower than those of the florist. They sell lots of stock. But all helps.

Violets were the leaders this Easter; those who had them made good hard cash, for they sold well. Lilies were in demand, and were not over-plentiful; they brought from 12c. to 15c., wholesale.

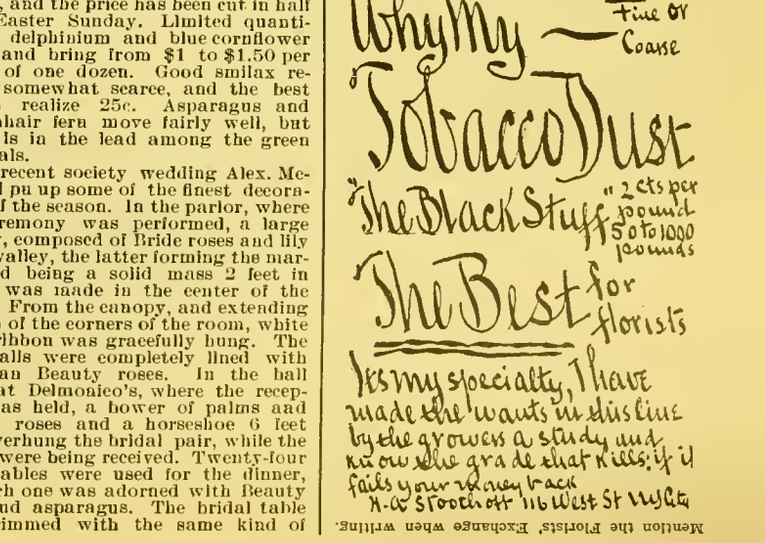
Carnations were popular and largely called for; the same with roses.

Pot plants went well; azaleas were extra fine, while bulbous stock was comparatively poor.

All in all the Easter of 1900 was a satisfactory one.

EDWIN A. SEIDEWITZ.

SYRACUSE, N. Y.—There was a first-class demand for carnations, roses taking second place. Azaleas sold especially well. Cinerarias, potted roses, hyacinths, tulips and daffodils in pots were also largely called for. Prices were about as last year. One florist here bought 500 carnations from a jobber and threw away about 300 of them. Such experiences hurt cut flower trade. The call for Easter lilies was smaller, the trade understanding them to be diseased seemed to take it for granted that there were none to be had.—M.



EASTER TRADE REPORTS.

FOXBORO, MASS.—Easter trade was fully as good as last year's. The best selling plants were lilies, primulas and geraniums in bloom; and the greatest call was for flowers of lilies, carnations and violets. No novelties were offered as far as I know.—A. F. B.

LEOMINSTER, MASS.—Trade was 20 per cent. better than last year's, lilies taking the lead at 20c. per bloom or bud, followed by azaleas, white and colored; narcissus Vion Sion in pans, tulips and hyacinths. There was quite a call for carnations and not enough to supply all demands. Violets sold well, but I had a few left over. Palms and ferns were very little called for.—J. F.

HOLYOKE, MASS.—Business is reported larger than last year, with a scarcity in roses and carnations. Violets were popular, and the sales of this flower exceeded those of past years. Bulbs and other potted flowering plants sold well. Carnation marketed at 75c. Trade was quiet until late Saturday, and then the rush came and the stores were cleaned out at closing.—L. S. S.

MANCHESTER, VT.—Easter trade here was mostly in cut flowers—lilies and carnations being in greatest demand. Of the former we had just enough to fill orders, but carnations were very short, and we could have sold many more. Prices were the highest I have ever known here. Saturday morning was very cold with snow squalls and high winds.—GEO. SMITH.

JAMESTOWN, N. Y.—Our Easter trade was good. Up to Saturday noon plants sold best, lilies and Crimson Rambler roses taking the lead. Daffodils, tulips and hyacinths in pots went well. Saturday evening and Sunday morning we might have sold many more roses and carnations than we had. We tried to buy them before Easter, but the price was too high for our customers.—E. D. S.

BANGOR, ME.—Easter sales were tremendous here; in fact, they surpassed in a surprising degree those of past years. Our florists are well satisfied. There was an extra large sale of longiflorum, Harrisii being very scant and somewhat diseased. Azaleas went well and in good quantities. Carl Beers made a specialty of violets, he having picked the past few days some 16,000 blooms and sold some 1,200 violets in pots, prices being very good. A large number of Crimson Ramblers was sold. The demand for cut flowers was brisk. Carnations and yellow and white tulips brought good prices.

ELMIRA, N. Y.—Easter is an old, old story, and illustrates the French proverb: "Every day is alike, but every day is not the same day." The story of Easter, 1900, was a combination of diseased lilies and unfavorable weather for the most part. But trade was satisfactory on the whole, and sales 25 per cent. ahead of last Easter. First-class cut flowers sold as well as the best blooming plants, and there is little on hand for Easter Monday. Quality of home-grown stock was excellent. Out-of-town "salted and pickled stock" was offered in job lots, to help pay express charges.—G. P. R.

ITHACA, N. Y.—The Easter trade here was the largest ever known, the only complaint I have heard being that the supply was not nearly equal to the demand in violets, roses and carnations. There was a heavy call for azaleas, acacias, tulips and daffodils. Hyacinths went slowly, still not many were left over. As for cut flowers everything was sold clean out. The weather in the first part of the week was dull and cold, which retarded flowering stock quite a little; but the last three days were brighter and warmer, and brought out large crowds of buyers. Prices ruled well and very few complaints were heard.—H. Y.

INDIANAPOLIS, IND.—Easter trade was a little better, compared with that of last year. The best selling stocks in cut flowers were lilies, roses, carnations and violets; in plants, the Crimson Rambler roses, lilies, double violets and good rose plants of different varieties. Prices were about the same as last year, excepting for the best grade of carnations, which sold very easily at an advanced figure. Some carnations shipped to us was poor stock indeed.

Will Bertermann is still in Ashville, N. C., for the benefit of his health. We trust that he will be back soon much improved.—B. F. Co.

NEWPORT, R. I.—Easter trade here proved most satisfactory; almost everything in the shape of a flower was sold, and in the case of carnations the supply fell far short of the demand. Stock generally was much better than last year, this being especially noticeable in the case of lilies, both Harrisii and longiflorum. For pot plants the demand was also good, but this can be said only of plants in flower. Azaleas appeared to be the favorite, and, unfortunately, the supply was short. Prices, with the exception of carnations, were the same as last year, and on carnations there was an advance of 50 per cent. Gibson Bros., who had considerable church work to do, found most useful their extra well-grown stock of L. longiflorum and Hydrangea Thos. Hogg. This firm is more than satisfied with their share of the trade.—MAC.

AUGUSTA, GA.—Easter trade this year was a great deal larger than in any previous year, and, as a consequence, we were rather short of flowers. Harrisii lilies have been a great drawback. I don't know what is the reason, but only 10 per cent. of the stock bloomed, though it was attended to with the same care as formerly. The sale of plants was the largest I have ever seen at this time. Azaleas in full bloom sold splendidly; in fact, every potted plant in flower found a purchaser, prices ranging from $1.50 to $3. Cut flowers were in demand after the supply of potted plants was exhausted, and I believe if the lilies had been all in bloom would have sold very few cut flowers. Prices for lilies, 25c. per bud; Bridesmaid and Bride roses, $2 per dozen; Beauty, $5 per dozen; carnations, no fancy, 75c. a dozen; valley, 50c. a dozen.—A. G.

ALBANY, N. Y.—The Easter trade in this city was characterized by large supplies and quick buying—nothing good remaining unsold. Prices realized were about the average Easter values, giving an ample margin for profit. Among plants azaleas and lilies were sold out clean, as also were good hydrangeas, both pink and blue. Sales of all Holland bulbs in pans were also lively. Novelties, unless of very striking merit, were not in much demand. The buyer here wishes as much show as possible for his money. Of lilies, ericas and genistas only a very moderate quantity can be disposed of. Two firms adopted business cards with cultural directions for the plant sold printed upon one side, and the card attached to the plant when delivered. In cut flowers roses, carnations and violets, as ever, lead all others. The lesson to be gleaned is the same as other Easter seasons of the past—good stock in good order is sure of a ready market, but prices must not be made prohibitive. —W.

ROCHESTER, N. Y.—Never before have the florists of Rochester had so great and profitable a business at Eastertide as this year. The most noticeable change was the enormous demand for pot plants. American Beauty roses, with long stem, at $1 a piece; pink roses and violets were the only cut flowers that received much attention. Some of the comparatively new things were mountain laurel in pots, white lilac, Crimson Rambler roses and dwarf and giant rhododendrons. Of these the last named seemed to be the most popular. Violets were less popular, pink being the prevailing color, both for church decorations and private use. Several florists with whom I talked said the wonderful increase in demand for pot plants had far exceeded their expectations, and they are already thinking about enlarging their greenhouse capacity, to meet the still greater future demand indicated by the present rush of orders. Prices were from 15 to 25 per cent. better than last year. —C. P. W.

LAWRENCE, MASS.—Easter trade this year was somewhat ahead of last, lilies and carnations taking the lead, with roses next. The latter brought about the usual prices, while carnations realized from 60c. to $1 per dozen, according to how each florist was supplied. Lilies fetched better prices than in 1899. Flowering plants in variety sold fairly well; nothing special was presented. A few Crimson Rambler in pots were called for at fairly good figures. Dutch hyacinths were a partial failure, the spikes being very inferior to those of former years. They seem to get worse all the time, this being the cause of small sales in bulbous stock.—L.

KNOXVILLE, TENN.—Easter trade was about 25 per cent. better than last year. Plants sold well, lilies taking the lead; but they were scarce. Our lilies were about four to five days late. Azaleas sold well, also spiræas, potted roses, Dutch hyacinths and pansies. In cut flowers, next to lilies, carnations, Beauty and tea roses sold best. There was also a large demand for violets, but the warm spell ten days ago did them up.—C. L. B.

The Easter demand was larger than last year's. Lilies, Beauty roses, carnations, valley and violets, in the order named, were in good demand. However, this was the first Easter that the supply was equal to the demand with us. Also we did more cash business. Lilies brought $4; Beauty, $5; carnations, $2; roses, $2; valley, 75c.; daffodils, 75c.; Romans, 75c.; narcissi, 75c. per dozen; violets, $1 per 100. All our Knoxville florists got left on lilies; these flowers were short stemmed. Our bulb men sent us Bermuda longiflorum in place of Harrisii, so we did not get more than half of them ready in time. I suppose they thought Easter being late this year they could get Harrisii prices for longiflorum bulbs. However, we have done well anyway, and feel good.—C. W. C.

KALAMAZOO, MICH.—Easter trade here turned out to be most excellent, although during the early part of the week the weather was most unsatisfactory—snow storms accompanied with a biting wind causing a rather gloomy outlook. This made a shorter cut of roses, etc., than was expected at one time, but the end of the week the weather changed and the florists got a hustle on; and the two together made one of the best Easters on record. The churches decorated more extensively than usual, and the outside shipping far ahead of any previous season. Carnations were the only thing real short, roses, violets and Easter lilies being quite plentiful. Many hundreds of the latter were shipped out to Chicago and the surrounding towns here. Prices ruled a little higher for carnations and lilies—50c. to 75c. per dozen, and 15c. to 20c. each; roses, $1 to $3 per dozen; hyacinths, daffodils, etc., 40c. to 75c. per dozen. Violets were plentiful at 20c. Pot plants were in abundance, of the usual Easter kinds, and sold freely at the average prices. Everyone appears to have had a good trade, and the outlook for the Spring bedding business is also regarded as most promising.—S. B.

WORCESTER, MASS.—Excepting a breeze, which was rather lively at times, the weather on Saturday and Easter Sunday was perfect. Generally speaking the florists had a sufficiency of everything, perhaps excepting roses and carnations. Violets never had a sale equal to this Easter. Bulbous stock sold late and palms went slow. Flowering plants of all kinds, from geraniums up, sold well. The individual reports of the florists are: Fisher & Son, better business than last year. Violets with violet cords were very popular. Lots of lively colored geraniums were disposed of. Couldn't get roses or carnations enough. Littlefield's first Easter at his new store was highly satisfactory. He sold out in some lines before noon. Violets were in great demand; sold 8,000 in three hours. Roses and carnations were short. Crimson Rambler roses and azaleas went well. Sargeot sold out clean; had about stock enough and more than in past years. Beauty brought $6 per dozen and sold clean. Flowering plants went well. Potted violets and yellow English primroses were good selling novelties. Madans sold out clean, with shortage in roses and carnations, and was handicapped with funeral work. Lange sold 10,000 Easter lilies, with other things in proportion. A fine line of flowering plants were disposed of. Roses brought from $2 to $4; carnations, 75c. to $1.50; violets, 35c. per bunch; lilies, 25c. per bud and blossom. Bulbous stock also brought good prices.—L. S. S.

Springfield, Mass.

Easter Notes.

The week preceding Easter was very advantageous to trade—good weather to hold back plants, and just at the last moment good weather for handling plants without wrapping. The result was an unusually good business. Plants and flowers were abundant, except carnations; and all were disposed of. Much of the business was rushed into the last two days, but generally very easily handled and quite satisfactory. The churches were well supplied, and some of them beautifully decorated, but during the week previous to Easter Sunday but very few flowers and potted plants were used in decorating the dry goods and other stores, not but what an attempt was made to decorate, but artificial plants and flowers were utilized almost entirely. This is to be regretted; if such occasions are worthy of observance, the genuine living creations of nature are none to good.

Prices ranged about the same as in former years. Cut flowers had about the usual demand; potted plants found a much better sale. Lilies led, closely followed by azaleas, bulbous flowers in pans, potted violets and the smaller plants. Some good hydrangeas were shown by Mark Aitken, also lilacs, tulips in flats and fine azaleas. Large bushel baskets filled with Ramblers were a beautiful sight, and "a bushel of roses" in reality. Mr. Aitken reports the largest business of any Easter yet.

Miller made a good showing of seasonable flowers and plants. His heath was beautiful; spiræas, azaleas and adiantum in pans were also very fine. He reports this Easter ahead of last year.

Schlatter & Son did a rushing business at their store, and also at the greenhouse. Bulbous flowers in pots and pans were a feature with them, as well as Harrisii, which they grew in large quantities. The finest rhododendrons in this market were shown by this firm.

Fairfield made a special display at his store during Easter week, showing all the seasonable plants, including heaths, lilac, Rambler roses, azaleas and well grown lilies. His business was very satisfactory.

More L. longiflorum were grown in this market this season than usual.

J. W. Adams & Co., nurserymen, report orders coming in with a rush, now that Spring has really arrived.

The Agricultural Store is rushed with seed orders. G.

Ottawa.

Easter Report.

Easter week the weather was abominable; but business was simply grand. The early part of the week freezing, a fine day on Wednesday enabled those having stores to move the plants to them from the greenhouses. Thursday, Friday and Saturday we had all kinds of weather, mostly drizzling rain, and on Saturday morning a storm of sleet.

Lilies, etc., for the churches, were rushed out early, as we could not tell but what a heavy snow storm might be on by night. However, it kept off. The stock of plants was very large and of the best quality. Everyone seemed to sell out, with the exception of a little bulbous stock and a few spiræas. The leading plant in Ottawa is easily the azalea, then lilies and hybrids, especially Beauty. Pot hyacinths seem to have had their day.

Scrim rented two extra stores side by side, one for show and selling plants, the other for a reserve of plants and for packing; and it worked like a charm. His window display was an immense azalea, 6 feet high and the same in width —a mass of flowers.

The center of this store, filled with 200 azaleas of different colors and perfect in bloom, was a sight. His stock of azaleas, some 350, all went. He had a fine lot of Beauty and Mrs. J. Laing roses, which sold freely. Mr. Scrim reports the increase in business at 40 per cent.

Graham Bros. also had a fine show of azaleas, lilies and bulbous stock. Business with them was rushing, the only stock left being bulbous flowers.

Wright, of Aylmer, who had a fine stock of lilies, sold a large quantity for Montreal, and cleared out all those that he left at stores through the city.

Trade at the market was not so good as it would have been with more congenial weather. The churches decorated much more elaborately than in former years, and cleared off the stock of spiræas.

The cut flower trade was also an advance on previous years, everything being sold out early. Carnations were not plentiful. Roses were good and abundant; but were sold out long before closing time. Scrim had quite a bonanza in violets, selling some 6,000. All tulips and daffodils went.

To sum up the Easter trade the most liberal estimates of sales was greatly exceeded.

In looking over the greenhouses the amount of potting to get bedding stock into shape is alarming, owing to the late Easter.

The trade generally will be pleased to hear that owing to the efforts of C. Scrim and Dr. Fletcher, of the experimental farm, Liberty roses and others will be allowed to enter Canada.

E.

WE PAY OUR GROWERS WEEKLY

And Have Done So From the Start.

E. C. AMLING, 32-34-36 Wabash Ave., WALTER S. HEFFRON, MANAGER. **Chicago, Ill.**

"Weekly Settlements"

HAS ALWAYS BEEN OUR "MOTTO"

and circulars have been mailed to our growers with that information since we first began business.

McKELLAR & WINTERSON,

45, 47 & 49 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

J. B. DEAMUD,

Successor to ILLINOIS CUT FLOWER CO.,

Wholesale Commission Florist,

Florists' Supplies and Manufacturer of Wire Designs,

51 and 53 WABASH AVE., CHICAGO, ILL.

TELEPHONE, 1143 MAIN.

Editor FLORISTS' EXCHANGE:—

We have for two years paid our shippers every Monday for flowers sold the previous week. J. B. DEAMUD.

Mention the Florists' Exchange when writing

CANNAS Mme. Crozy, Charlotte, Paul Marquant A. Bouvier, Burbank, $1.50 per 100. **Pansy,** Vsutier's Mammoth. Bugnot. **Bellis Perennis,** fl. pl. **Myosotis,** Victoria, $3.50 per 1000. **Stocks,** German, Ten-Weeks, white or mixed, 2½ inch, $1.50 per 100.

Shellroad Greenhouse Co., Grange P.O., Balto., Md.

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10,000 CANNAS!

Chas. Henderson, Florence Vaughan, Austria, Peter Crozy, etc.

500 WICHURAIANA, Memorial Rose, Fine plants in threes.

Will Exchange a part or all for Palms, Pandanus Utilis and Veitchii, Araucaria Excelsa or Tea Roses.

SEND IN YOUR OFFERS.

MILLS & WACHTER, Jacksonville, Fla.

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Fern Spores Extra large packet of fresh Spores. Best varieties assorted, sufficient for 300 or more plants, $1.00. **Collection** of 12 best varieties, each separate, $5.00.

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ORCHIDS

Arrived in perfect condition a grand lot of **CATTLEYA PERCIVALLIANA.** Write for price lists of Imported and Established Orchids.

Cherry Wood Baskets, Fresh Moss and Peat.

LAGER & HURRELL,

Correspondence Solicited. SUMMIT, N. J.

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AZALEAS - PALMS - - NEW PLANTS BAY TREES **SANDER** BRUGES, **BELGIUM.**

The largest and finest stock on the Continent.

A. DIMMOCK, our representative, is now in the U. S. and will be pleased to reply to any communications addressed to **60 Vesey Street, New York.** Lists on application.

Mention the Florists' Exchange when writing.

CLEARY & CO.,

Horticultural Auctioneers,

Sales Every Tuesday and Friday,

60 Vesey St., NEW YORK.

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Send for Our List of

Kentias, Latanias, Ficus,

Asparagus, Dracænas, etc. Azalias for immediate sales, assorted colors, from 80 cts. to $2.50 each. Ask for our price list of Perpetuated Palms. Samples sent on request. Address

THE GEO. WITTBOLD CO., Chicago,

1708 N. Halsted Street.

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A Voice From Afar.

I cannot speak too highly of the general contents of the FLORISTS' EXCHANGE or the pleasure it gives me to peruse its announcements. G. BECKWITH.

Hoddeson, Eng., February 27, 1900.

10,000 Maiden Hair Ferns

Fine, strong plants, from 2½ inch pots, **$3.00 per 100; $25.00 per 1000.**

P. J. BURGEVIN, Port Chester, N. Y.

REGENT PARK GREENHOUSES.

Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.

1730 CAMBRIDGE ST.

Mention the Florists' Exchange when writing.

LATANIA BORBONICA

4 inch pots	$2.50 per doz;	$20.00 per 100.	
5 "	4.75 "	35.00 "	
6 "	9.00 "	70.00 "	
7 "	1.25 each, and fine specimen plants from $6.00 and upwards.		

Areca Lutescens, fine plants from $5.00 upwards. **Kentia Belmoreana** and **Forsteriana**— 4 in. pots, $35.00 per 100; 6 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, well grown, from $2.50 and upwards.

Phœnix reclinata, 4 in. pots, 25c. each, $20 per 100; 5 in. pots, 40c. each, $35.00 per 100; 6 in. pots, 60c. each, $55.00 per 100; 7 in. pots, $1.25 each.

Phœnix Canariensis, Rupicola and **Reclinata,** fine specimen plants, from $3.00 to $5.00 each.

Cocos Weddelianna, from 2 in. pots, $1.50 per doz.

ASPARAGUS SPRENGERI 3 in. pots, $1.00 a doz. 6 in. pots, 25c. each.

JOHN BADER, Troy Hill, **Allegheny, Pa.**

L. D. TELEPHONE 872.

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BOSTON FERNS

N. Exaltata Bostoniensis.

Large plants, $6.00 to $20.00 per 100. Orders for small plants taken for June delivery.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 inch, $3.00 per doz.

Areca Lutescens, 50c. to $3.00 each.

Latanias, from 75c. to $3.00 each.

Asparagus Plumosus, $1.00 to $1.50 doz.

Asparagus Sprengeri, 3½ in. pots, $1.50 per doz.

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. **Connected with Telephone.**

Mention the Florists' Exchange when writing

CHOICE YOUNG STOCK

	Inch	Dozen
Pandanus Utilis	3	$1.00
" Veitchii, fine color	3	3.00
Begonia Vernon, full of flower	3	.50
Nephrolepis Philippense	4	1.00
" Bostoniensis	4	1.00
Dracæna Indivisa, strong	4	2.00
" Latifolia	3	1.00
Pteris Deweyana, new	3	1.00

All ready to shift on at once.

JOHN H. LEY, Good Hope, **WASHINGTON, D. C.**

Mention the Florists' Exchange when writing

ARAUCARIA EXCELSA

2½ inch pots, 2 to 3 tiers.....$16.00 per 100
3 inch pots, 6 to 8 inches, 3 tiers..... 20.00 "

GREVILLEA ROBUSTA.

2 inch pots, 6 inches high.....$3.00 per 100

ARECA SAPIDA.

2 inch pots.....$4.00 per 100

F. LUDEMANN, Pacific Nursery, **San Francisco, Cal.**

Mention the Florists' Exchange when writing.

FANCY-LEAVED CALADIUMS

	10	100
Bulbs 1½ to 2½ inches in diameter, 15 to 25 varieties	$2.50	$20.00
Bulbs, 1 to 1¼ inches in diameter, 6 to 8 varieties	1.50	12.00

The first size will make grand specimen plants or stock bulbs. No larger or finer are in the market.

LATANIAS and PHŒNIX.

Latanias, 4 inch pots, 2-3 characterized leaves		100 $20.00
Latanias, 5 inch pots, 4-5 characterized leaves		30.00
Phœnix Reclinata, Canariensis and Pumila, 15-18 inches		20.00
Phœnix Reclinata, Canariensis and Pumela, 20-24 inches		30.00

Not less than 50 at above rates.

GRAFTED ORANGES and LEMONS.

	10	100
10 to 15 best varieties, 4 inch pots,		
10-12 inches high	$2.50	$20.00
10 to 15 best varieties, 4 inch pots, 15-18 inches high	3.50	30.00
10 to 15 best varieties, 4 inch pots, 20-24 inches high	6.00	
	100	1000
1,000 **Prairie Roses,** very strong	$7.00	
1,000 **Moss Roses,** " "	7.00	
2,000 **Hybrid Wichuraiana** (Manda's),	5.00	$40.00

Quotations Exclude packing.

P. J. BERCKMANS CO., Augusta, Ga.

Mention the Florists' Exchange when writing.

HEACOCK'S PALMS

Awarded Certificate of Merit, Penna. Horticultural Exhibition at Phila., March 21st, 1900, for Choice Areca Lutescens, Etc., Etc.



Choice ARECA LUTESCENS, KENTIA BELMOREANA, LATANIA BORBONICA and PHŒNIX RUPICOLA.

ARECA LUTESCENS—

8 inch pot (3 plants), very bushy, 26 to 30 inches high..... $2.00
8 inch pot (3 plants), very bushy, 30 to 36 inches high..... 2.50
14 inch pot (3 plants), very bushy, 7 to 8 feet high..... 20.00

KENTIA BELMOREANA—	Per doz.	Per 100
3 inch pots, 4 to 5 leaves, 10 to 12 inches	$3.00	$25.00
4 inch pots, 5 to 6 leaves, 15 to 18 inches	6.00	50.00
6 inch pots, 6 leaves, 20 to 24 inches	18.00	150.00

LATANIA BORBONICA— Each

10 inch pots, 9 to 10 leaves, 30 to 36 inches high, 42 inches wide..... $4.00

PHŒNIX RUPICOLA—

8 inch, 24 inches high..... 2.00

My packing is done in the best possible manner, and shipping facilities for both freight and express are unsurpassed. A Trial Order is Solicited.

JOSEPH HEACOCK, Wyncote, Pa.

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This is not a commission house; the market consists of individual stands.
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Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
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Receiving Extra Quality AM. BEAUTIES and all other varieties of Roses.
TELEPHONE 902 MADISON SQUARE. CARNATIONS.

...Wholesale Prices of Cut Flowers...

Names and Varieties	New York April 20, 1900	Boston April 12 1900	Philadelphia April 19, 1900	Baltimore April 11, 1900	Buffalo April 18, 1900
A. BEAUTY, fancy—special	10.00 to 20.00	20.00 to 25.00	.... to 50.00	.... to	30.00 to 50.00
" extra	6.00 to 10.00	12.50 to 16.00	30.00 to 40.00	.... to	20.00 to 25.00
" No. 1	4.00 to 6.00	8.00 to 12.50	20.00 to 25.00	.... to	4.00 to 10.00
" Culls & ordinary	2.00 to 4.00	3.00 to 8.00	5.00 to 10.00	.... to	.... to ....
Bride, 'Maid, fancy—spc'l	6.00 to 10.00	.... to 16.00	.... to 15.00	.... to	.... to ....
Roses " extra	5.00 to 6.00	12.50 to 14.00	10.00 to 12.00	.... to 8.00	8.00 to 10.00
" No. 1	3.00 to 4.00	6.00 to 10.00	6.00 to 8.00	.... to 6.00	6.00 to 8.00
" No. 2	1.00 to 3.00	2.00 to 6.00	.... to 4.00	.... to 4.00	4.00 to 6.00
K. A. Victoria	.... to	.... to	8.00 to 12.00	4.00 to 8.00	5.00 to 10.00
La France	1.00 to 4.00	.... to	.... to	3.00 to 6.00	.... to ....
Meteor	2.00 to 6.00	3.00 to 12.50	4.00 to 10.00	5.00 to 8.00	4.00 to 10.00
Papa Gontier	.... to	.... to	.... to	3.00 to 5.00	.... to ....
Perle	1.50 to 4.00	2.00 to 10.00	3.00 to 6.00	3.00 to 5.00	6.00 to 6.00
Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
ORCHIDS—Cattleyae	50.00 to 60.00	.... to	.... to 50.00	.... to	.... to ....
Cypripediums	.... to 12.50	.... to	.... to	.... to	.... to ....
Dendrobium formosum	.... to	.... to	.... to	.... to	.... to ....
Carnations Inf'r grades, all colors	1.75 to 2.00	1.50 to 2.00	.... to 1.00	1.00 to 1.50	1.00 to 1.50
STANDARD VARIETIES White	2.00 to 3.00	2.50 to 3.00	1.25 to 2.00	2.00 to 2.50	1.50 to 3.00
STANDARD VARIETIES Pink	2.00 to 3.00	2.50 to 3.00	1.25 to 2.00	2.00 to 2.50	1.50 to 3.00
STANDARD VARIETIES Red	2.00 to 3.00	2.50 to 3.00	1.25 to 2.00	2.00 to 2.50	1.50 to 3.00
STANDARD VARIETIES Yel.&Var.	2.00 to 3.00	3.00 to 3.50	1.25 to 2.00	2.00 to 2.50	.... to ....
*FANCY— White	4.00 to 6.00	3.00 to 3.50	2.00 to 3.00	3.00 to 4.00	3.00 to 5.00
*FANCY— Pink	4.00 to 6.00	.... to 3.50	2.00 to 3.00	3.00 to 4.00	3.00 to 5.00
*FANCY— Red	4.00 to 6.00	.... to 3.50	2.00 to 3.00	3.00 to 4.00	3.00 to 5.00
*FANCY— Yel.&Var.	4.00 to 6.00	.... to 4.00	2.00 to 3.00	3.00 to 4.00	3.00 to 5.00
(*The highest grades of standard var) NOVELTIES	6.00 to 10.00	5.00 to 6.00	4.00 to 5.00	.... to	.... to ....
ADIANTUM	.50 to .75	.... to 1.00	.... to 1.00	.... to 1.00	.... to ....
ASPARAGUS	35.00 to 50.00	.... to 50.00	35.00 to 50.00	25.00 to 75 00	50.00 to 60.00
CALLAS	5.00 to 6.00	12.50 to 14.00	.... to 10.00	12.00 to 16.00	8.00 to 10.00
DAISIES	.50 to 1.00	.... to	1.00 to 1.50	.... to	.... to ....
HYACINTHS	1.00 to 2.00	.... to	2.00 to 3.00	1.00 to 3.00	3.00 to 6.00
LILIES	5.00 to 6.00	8.00 to 12.50	.... to	.... to 15.00	10.00 to 15.00
LILY OF THE VALLEY	1.50 to 3.00	1.00 to 4.00	2.00 to 4.00	.... to	3.00 to 4.00
MIGNONETTE—ordinary	2.00 to 3.00	1.00 to 2.00	1.00 to 1.50	1.50 to 2.00	2.00 to ....
" fancy	4.00 to 5.00	3.00 to 4.00	2.00 to 3.00	.... to	.... to 6.00
NARCISSUS	1.50 to 2.00	1.50 to 4.00	.... to	.... to	.... to ....
SMILAX	15.00 to 25.00	12.50 to 16.00	15.00 to 25.00	15.00 to 25.00	15.00 to 20.00
SWEET PEAS	1.00 to 2.00	.... to 1.00	1.00 to 1.50	.... to	1.25 to 1.50
TULIPS	1.50 to 2.00	2.50 to 4.00	.... to	2.00 to 4.00	2.00 to 4.00
VIOLETS	.15 to .35	.30 to .50	.25 to .50	.30 to .50	.60 to .75
VIOLETS, special	.40 to .65	.60 to .75	.75 to 1.00	.... to	.75 to 1.00

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

BOSTON, MASS.
Asparagus Plumosus
Orchids
Mignonette
Brides
'Maids
American Beauties
WELCH BROS.
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Can furnish at short notice. Prices according to quality of goods. Long Distance Telephone, 2161 and 2071.

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UNTIL FURTHER NOTICE
We will be Open from 6.30 a. m. to 10.00 p. m.
AM. BEAUTIES and VALLEY Our Specialties.
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We have a fine grade of everything in market at present.
Send us a Trial Order and we will do the rest.
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CUT FLOWERS AT WHOLESALE.
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PRES. CARNOT
KAISERINS,
METEORS,
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Special Attention Given to Shipping Orders.

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Horticultural Auctioneers.
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'PHONE, 3922 D.

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Valley in quantity. Telephone connection.

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Long Distance 'Phone, 14330 D.
Consignments of choice ROSES, CARNATIONS, VIOLETS, solicited.
Fine VALLEY in stock at all times.

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Long Distance Phone 3-45-94 D. Philadelphia.
Consignments of Choice Valley and Roses Solicited.

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Seeds, Bulbs, Florist Supplies and Cut Flowers,
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In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work.
45, 47, 49 WABASH AVENUE, - - CHICAGO, ILL.

...Wholesale Prices of Cut Flowers...

Names and Variaties	Chicago Apr. 18, '00	St. Louis Apr. 16,'00	Cincinnati Apr. 17,'00	Milwaukee Apr. 16,'00	Pittsburg Apr. 17, '00	Toronto Apr. 16, '00
Roses — A. Beauty, fancy—special.	40.00—45.00	40.00—50.00	....—	35.00—50.00	10.00—50.00	....—50.00
" extra	25.00—35.00	25.00—30.00	....—	18.00—25.00	30.00—35.00	....—30.00
" No. 1	10.00—15.00	15.00—20.00	....—	10.00—12.50	20.00—25.00	....—20.00
" Culls & ordinary	4.00— 8.00	5.00—10.00	....—	4.00— 6.00	5.00—15.00	....—10.00
Bride, Maid, fancy-spec'l	5.00— 6.00	....—10.00	7.00— 8.00	....—10.00	12.00—15.00	.... — ....
" extra	3.00— 4.00	....— 6.00	....— 6.00	....— 8.00	10.00—12.00	....— 8.00
" No. 1	2.00— 3.00	....— 6.00	4.00— 5.00	....— 6.00	6.00— 8.00	4.00— 6.00
" No. 2	.... —	4.00— 5.00	....— 3.00	....— 4.00	3.00— 4.00	2.00— 4.00
K. A. Victoria	.... —	....—	.... —	.... —	4.00—10.00	.... — ....
La France,	4.00— 7.00	.... —	.... —	.... —	.... —	.... — ....
Meteor	3.00— 6.00	4.00— 8.00	4.00— 8.00	4.00— 8.00	4.00—10.00	2.00— 8.00
Papa Gontier	.... —	.... —	.... —	.... —	.... —	.... — ....
Perle	3.00— 5.00	4.00— 6.00	4.00— 5.00	4.00— 6.00	3.00— 8.00	2.00— 6.00
Souv. de Wootton	.... —	....—	.... —	.... —	.... —	2.00— 8.00
ORCHIDS—Cattleyas	.... —	.... —	.... —	.... —	.... —	20.00—25.00
Cypripediums	.... —	.... —	.... —	.... —	.... —	.... — ....
Dendrobium formoseum	.... —	.... —	.... —	.... —	.... —	.... — ....
Carnations — Inf'r grades, all colors.	.75— 1.00	.... — 2.00	.... —	2.00— 3.00	1.50— 2.00	.... — 1.00
STANDARD VARIETIES — White	1.50— 2.00	3.00— 4.00	1.50— 2.00	2.00— 3.00	2.00— 2.50	1.50— 3.00
STANDARD VARIETIES — Pink	1.50— 2.00	3.00— 4.00	1.50— 2.00	2.00— 3.00	2.00— 2.50	1.50— 3.00
STANDARD VARIETIES — Red	1.50— 2.00	3.00— 4.00	1.50— 2.00	2.00— 3.00	2.00— 2.50	1.50— 3.00
STANDARD VARIETIES — Yel.&Var.	1.50— 2.00	3.00— 4.00	.... —	2.00— 3.00	2.00— 2.50	1.50— 3.00
*FANCY— White	2.00— 3.00	.... — 5.00	.... — 4.00	4.00— 5.00	3.00— 4.00	3.00— 4.00
*FANCY— Pink	3.00— 4.00	.... — 5.00	.... — 4.00	4.00— 5.00	3.00— 4.00	3.00— 4.00
*FANCY— Red	3.00— 4.00	.... — 5.00	.... — 4.00	4.00— 5.00	3.00— 4.00	3.00— 4.00
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DAISIES	.75— 1.00	.... — .50	.... —	.... — .50	1.00— 1.50	.... — .50
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ASPARAGUS PLUMOSUS NANUS
CUT STRINGS, 8 feet long,
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	Per 100	1000
G. H. CRANE	$5.00	
AMERICA	3 00	$25.00
MELBA	3.00	25.00
LESLIE PAUL	3.00	25.00
GOV. GRIGGS	3.00	25.00
MRS. BRADT	2.50	20.00
FRANCES JOOST	2.50	20.00
EVANSTON	2.50	20.00
JUBILEE	2.00	15.00
NUGGET	2.00	15.00
FLORA HILL	1.50	12.50
TRIUMPH	1.50	12.50
VICTOR	1.50	12.50
DAYBREAK	1.25	10.00
ARGYLE	1.25	10.00
ARMAZINDY	1.25	10.00
McGOWAN	1.00	7.50
MAYOR PINGREE	1.00	7.50
NIVEA	1.00	7.50
EVELINA	1.00	7.50
WM. SCOTT	1.00	7.50
MORELLO	1.00	7.50

ROSE CUTTINGS.

	Per 100	1000
BRIDE	$1.50	$12.50
BRIDESMAID	1.50	12.50
METEOR	1.50	12.50
GOLDEN GATE	2.50	

ROSE PLANTS From 2½ in. Pots.

	Per 100	1000
BRIDESMAID	$3.00	$25.00
BRIDE	3.00	25.00
PERLE	3.00	25,00
METEOR	3.00	25.00
GOLDEN GATE	4.00	35.00
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Write for prices on larger lots.

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CARNATIONS Rooted Cuttings. McGowan, 75c. per 100; $6 00 per 1000. Scott, $1.00 per 100. Hill, Daybreak and Webb, $1.50 per 100.
VIOLETS, rooted runners, Louise and Campbell, 50c. per 100.
A. S. CHASE, Cumberland Centre, Me.

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30,000 plants, from soil, for April and May delivery. Crocker has filled every claim made for it and is worth a trial by every grower who wants the best pink carnation in the market.

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Flora Hill, Daybreak, $1.25 per 100; $10 per 1000.
General Maceo, $1.00 per 100; $35.00 per 1000.
Victor, Mayor Pingree, $1 per 100; $9 per 1000.
Jubilee, $1.50 per 100; $12.00 per 1000.

10,000 PETUNIA CUTTINGS Well-rooted, double, of the best selected vars., $1.50 per 100; $12 per 1000. Cash with order.

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What you are looking for:

Strong Carnations from flats

	100	1000
Mrs. Joost	$1.25	$10 00
Daybreak	1.25	10.00
McGowan	1.00	8 00
Scott	1.00	8.00

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From 2½ inch pots, $2.00 per 100.

Bergmann,	Modesto,	Bonnaffon,
Mrs. Robinson,	Shrimpton,	Merry Xmas.
Ivory,	Merry Monarch,	Mrs. C. P. Bassett,
Glory of Pacific,	Mayflower,	William Brook,
Pheenomenal,	J. E. Lager,	Liberty,
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Gomez, Maceo, Jubilee, White Cloud, Flora Hill, Daybreak, Scott, McGowan, Portia, Eldorado and Anna Webb

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Mention the Florists' Exchange when writing

Carnations, Rooted Cuttings, Crane, $6 per 100; America, $5 per 100; White Cloud, $4 per 100; Jubilee, $2 per 100; Scott, Daybreak, Victor, F. Hill, McGowan, Evelina, Eldorado, $1.25 per 100, $10 per 1000.

Roses, 2-inch Pots, Select Stock. Perles 4 cts.; Bride and Bridesmaid, 3 cts. Send for list of other varieties.

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Triumph.....$1.50 per 100
Victor..... 1.50 "
Flora Hill..... 1.50 "

First-class cuttings, grown cool and well rooted. Cash with order.

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CARNATIONS

Strong, Well Rooted Cuttings, Select Stock.

	Per 100	Per 1000
G. H. CRANE	$6 00	$50 00
MORNING GLORY	6 00	50 00
GEN. MACEO	6 00	50 00
GLACIER	6 00	50 00
AMERICA	5 00	40 00
GOMEZ	$5 00	$40 00
MRS. GEO. M. BRADT	5 00	40 00
WHITE CLOUD	4 00	30 00
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	Per 100	Per 1000
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MARQUIS	10 00	75 00
OLYMPIA	$12 00	$100 00
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Wm. Scott.....per 1000, $10 00
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Mary Wood, White Cloud, John Young, Genesee, Melba, $2.00 per 100; $18 per 1000.
Firefly, Jaho's Scarlet, Flora Hill, Daybreak, Storm King, Armazindy, Helen Keller, Albertina, $1.50 per 100; $13.00 per 1000.
Scott, McGowan, Portia, $1.25 per 100; $10.00 per 1000.

250 at 1000 rates. CASH WITH THE ORDER

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Price, doz., $2.00; 100, $10 00; 1000, $75.00.

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ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000
Mrs. Lawson	$14 00	$120 00
G. H. Crane	5 00	
America	5 00	40 00
Triumph	2 00	15 00
Evanston	2 50	20 00
Jubilee	2 00	15 00
Gold Nugget	2 00	15 00
Flora Hill	$1 25	$10 00
Argyle	1 25	10 00
Armazindy	1 25	10 00
Lizzie McGowan	75	5 00
Mayor Pingree	1 00	7 50
W. Scott	1 00	7 50
Tidal Wave	1 00	7 50

ROSES.

	Per 100	Per 1000
La France	$2 00	$17 50
Perle	1 50	12 50
Bridesmaid	1 50	12 50
Meteor	$1 50	$12 50
Bride	1 50	12 50

PLANTS—From 2½ inch pots.

	Per 100	Per 1000
Meteor	$3.00	$25.00
Maid	3.00	25.00
Bride	3.00	25.00
Perle	$3.00	$25.00
La France	3.50	30.00
Kaiserin	4.00	35.00

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Boston.

Easter Trade Shows an Increase.

An increase in the Easter business is the general report this year. During the week stock was held back pretty well, causing a decided shortage; but as the demand was not heavy until Friday the scarcity was not much felt. The plant growers were kept very busy all week, and most of them had a great deal of extra help on hand. The weather was mild and well suited to the delivery of plants for the most part of the week, but Thursday and Friday a drizzling rain fell all day, making it very disagreeable.

Prices on plants were maintained about as usual. Good lily plants fetched $12.50 a 100 flowers, while a few extra finely grown ones brought $15 a 100. Azaleas were in very good supply and sold well at good figures. Rhododendrons were scarce, but the demand for them was not very brisk. Acacias and genistas also sold very well in the various sizes. Crimson Rambler roses were quite extensively grown this season, and though more than ever were disposed of by the growers a few were left on their hands. These plants were held at $35 a dozen for good, strong subjects in 7-inch pots, while larger ones, in 8-inch pots, brought $50 to $60; but in larger lots slightly lower figures ruled. A few h. p. roses were on the market and sold well.

Growers of bulbous stock found an unprecedented demand for their goods, and large quantities were disposed of. Daffodils, tulips and hyacinths in pans brought $6 and $7 a dozen.

In the wholesale district, too, the rush started the early part of the week, when an extra force was put on in all the stores. The first three or four days were devoted almost entirely to the shipments of potted plants, which were gotten pretty well out of the way by Thursday evening, thus leaving the balance of the week for the handling of cut flowers; and it was not any too much time, large quantities of stock being disposed of. The market was pretty slim up to Friday morning, but the demand was correspondingly light. The growers would have everybody believe that everything was going to be very scarce, but Saturday saw almost all kinds of stock in ample supply, the only really apparent scarcity being in cut lily blooms and first-class violets.

Roses were in good supply, but met a fairly good demand, and prices were about where they had been for some time preceding Easter. American Beauty, of fine grade, made $25 a 100, a few extra specials going above that. Smaller grades sold at from $8 and $12.50 to $16 a 100; these latter were more plentiful and in good demand. Ulrich Brunner and Jacqueminot realized about the same figures as Beauty for corresponding grades, though a limited supply of extra fine stock of each rose made $35 a 100. Bride and Bridesmaid were in good supply, but not so much sought after this season. The general quality was very good. Prices on these roses ran from $16 a 100 for best, down to $6 for short-stemmed flowers.

Carnations, as usual, were away up owing to the promised "scarcity," which did not show itself to any marked degree. Orders were taken beforehand for carnations of finest grades, of best ordinary sorts, to be delivered on Saturday at $5 per 100; but there were quite a few good ones at the Flower Market on that morning which did not fetch that figure. Prices ran, for fancies, from this price to $8 for choicest select blooms, but, of course, there was only a limited supply of them.

Bulbous stock was very plentiful, and quantities were disposed of at the usual prices.

The supply of violets was good, but Easter being so late this year the quality was hardly up to the standard of Easter stock. Really fine violets were scarce and more could have been disposed of if obtainable. Valley was very plentiful, at usual prices, as were mignonette, asparagus, smilax, adiantum, etc.

The retailers all report a very good Easter trade, with a fine demand for plants as against a falling off in the cut flower trade. The increase in the price of carnations year after year at Easter is responsible for this condition more than anything else, as there are quantities of flowering plants that can be sold at prices ranging from $1 to $2, which give more satisfaction than carnations, when the latter have to be held at from $1 to $1.50 and even $2 a dozen. If this state of things continues it is apparent that the carnation will in future figure but very little as an Easter flower.

The window displays were very showy not a few windows being filled entirely with Crimson Rambler roses. The public takes very kindly to this handsome Easter plant, and prices were of a very high standard, the plants selling at from $5 to $12 each at the stores; and undoubtedly many more of them will be used in the future when they can be grown to be sold cheaper. H. p. roses, in pots, also sold very well at good prices.

Lilies were well cleaned up in nearly all the stores, retailing at 20c. and 25c. per flower and bud.

Bulbous stock in pans and pots, as usual, sold very well, retailing at $1 and $1.25 a pan. Spiræa did not go very fast this year. Then there were quantities of such plants as primulas, cinerarias, marguerites, violets, carnation plants, genistas, etc., all of which did very well.

At present writing (Wednesday) there is little new to be said about the market, except that carnations are becoming cheaper, being in good supply, with a holiday Thursday, on which there is never much business done here. Carnations of best quality, which last week were bringing $5 per 100, sold to-day for $2.50 and $3, smaller grades ranging down to $1. F. J. N.

Summit N. J.

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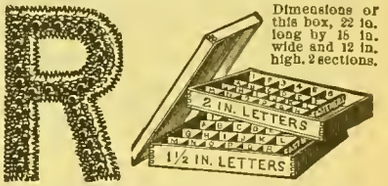

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FIRST QUALITY.		CREAM COLOR.	
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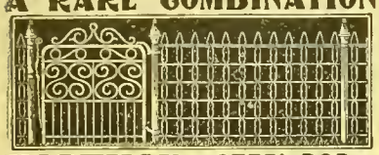

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800 3½ "	" 5.80	24 11 "	" 5.60
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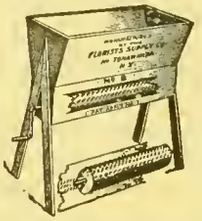

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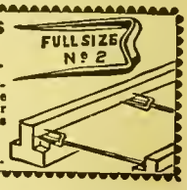

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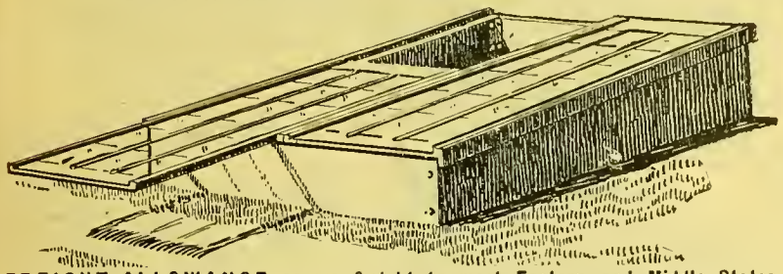

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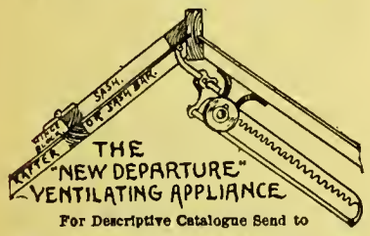

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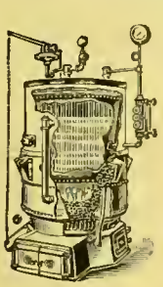

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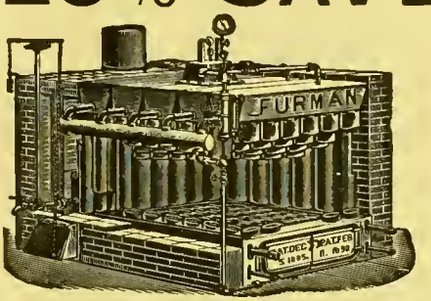

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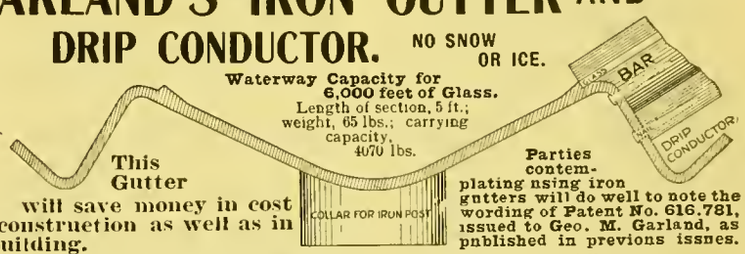

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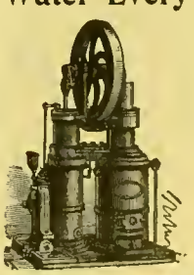



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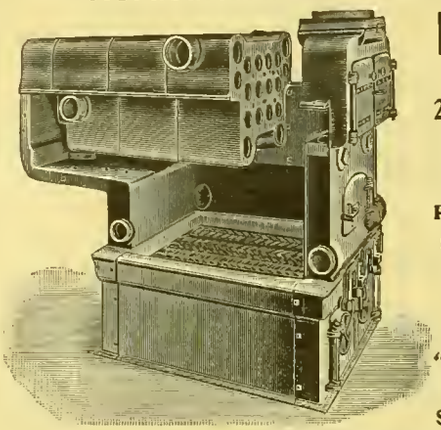

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Crossings Between Marguerite × Remontant.

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Vulcan, a pleasing shade of red; **Mercury,** brilliant scarlet; **Saturn,** deep crimson; **Uranus,** maroon **Neptune,** magenta violet; **Jupiter,** beautiful shell pink; **Estella,** white ground, heavily striped pink; **Minerva,** rosy pink; **Venus,** white, few pink stripes; **Rising Sun,** yellow, striped pink.

Well-established plants, from 2½ in. pots, $5.00 per 100, By Express; or the set of 10 varieties, rooted cuttings, by mail, for 50 cents.

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First size bulbs, 3 to 4 ins. around, every one flowers, **50c.** per 100; **$3.00** per 1000, or barrel of 2000 bulbs, for **$5.00.**

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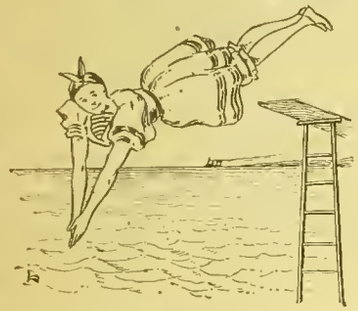

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Phœnix Tenuis	$0.75	$5.00	$13.50
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" Sprengeri	.75	6.50	18.00

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All Home-Grown Seeds.

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Hybrida Grandiflora Hybrids, in most brilliant coloring. Packet about 500 seeds, 25 cts.
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CALCEOLARIA Hyb. Grandiflora, packet, 25 cts. Hyb. Nana, packet, 25 cts.
Rugosa, shrubby, packet, 25 cts.
PANSIES We guarantee our Seed to be saved from finest sorts Prize Blooms, in separate colors, pure white, light and dark blue, red, bronze, pure yellow, black and gold, black, purple, auricula flora. 1000 seeds, 25c; 5000, $1.00. Mixed, 1000 seeds, 25c; 5000, $1.00. Bugnot, Cassier, Odier, Trimardeau, Kaiser Wilhelm, Kaiser Frederick, Gold Else, Snow Queen, Victoria, Pescock, Lord Beaconsfield, Black Prince. 1000 seeds, 30c.; 5000, $1.25.
BARing off PURE WHITE IRIS KÆMPFERI, strong clumps, $1.00 per doz.; 6.00 per 100.
EVOLUTA STEMS True long-leaved, sizes ½ lb. to 6 lbs., per 10 lbs., $1.00; 100 lbs., $8 00. Larger lots, liberal discount.
L. B. Brn— A small lot of ASPARAGUS SPRENGERI SEED, 50c. per 100; $4 00 per 1000; ATANIA BORBONICA, 25c. per 100; $1.50 per 1000; COCOS WEDDELI-ation, 60c. per 100; $5.00 per 1000.

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SPECIAL BULB AND FLOWER SEED OFFER

SEEDS.

NASTURTIUM **Tom Thumb,** mixed. Per ¼ lb., 15c.; per lb., 40c.; per 100 lbs., $35.00.
Tall Mixed. Per ¼ lb., 15c.; per lb., 35c.; per 100 lbs., $30.00.

ASTER **Semple's True Branching,** mixed. Per ¼ oz, 20c; per oz., 50c.; per lb., $5.00. White, Red and Shell Pink. Per ¼ oz., 20c; per oz., 75c.

Queen of the Market, the earliest of Asters. White, Crimson, Blue and Red, in separate colors. Per ¼ oz., 15c.; oz, 50c.

BULBS.

BEGONIAS **S'gle Tuberous Rooted** Pink, Yellow, Crimson and Yellow, in separate colors. 30c. per dozen; $2.00 per 100; $18.00 per 1000.

LILIUM **Auratum,** 7-9, in fine condition, $4.50 per 100.

Speciosum Rubrum, 7-9, $4.50 per 100.
Speciosum Album, 7-9, $5.75 per 100.

OXALIS **Summer Flowering,** mixed. 75c. per doz.; 25c. per 100; $1.50 a 1000.

TUBEROSES **No. 1, Dble. Pearl,** choice bulbs, 75c. per 100; $6 per 1000. No. 2, 35c. per 100; $2.50 per 1000.

Send For Our Quotations on Roman Hyacinths, Paper White Narcissus, etc.

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CLEMATIS PANICULATA
AND
AMPELOPSIS VEITCHII.

	100	1000
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No. 1	$ 8.00	$70.00
X size	10.00	80.00
Hydrangea P. G., 2 to 3 feet	9.00	
" 3 to 4 feet	12.00	
Virginia Creeper		45.00
150 Varieties of H. P. & H. T. Roses in 3 and 4 inch pots	10.00	

	100	1000
Ampelopsis Veitchii, field grown		
No. 1	$6.00	$50.00
No 3	4.00	35.00
X size	8.00	75.00
XX size	9.00	65.00
ROSES—Felicite Perpetue	5.00	
Francois Levet	6.00	
Box Tree, 6 to 12 inches		10.00

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CANNAS Mme. Crozy, Charlotte, Paul Marquant A. Bouvier, Burbank, $1.50 per 100.
Pansy, Vautier's Mammoth, Bugnot. **Bellis Perennis,** fl. pl. **Myosotis,** Victoria, $3.50 per 1000. **Stachs,** German, Ten-Weeks, white or mixed, 2½ inch, $1.50 per 100.

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Seeds, Cuttings and Bulbs in Mails for the Cape Colony, South Africa.

The Post Office Department at Washington, D. C., issued March 5, 1900, the following information regarding seeds, etc., sent to South Africa:

The Postal Administration of the British Colony of the Cape of Good Hope (Cape Colony, South Africa,) has advised this department that packages containing seeds, cuttings or bulbs, which are mailed in other countries as "samples of merchandise," and dispatched as such to the Cape Colony, will not be recognized in that Colony as "samples," when the contents are ascertained to have a salable value and to have been sent in execution of an order; and that such packages will be delivered only upon the payment by addressees of double the amount of the deficient postage calculated at the rate applicable to letters addressed for delivery in the Cape Colony and mailed in the country from which the packages were received.

Packages containing seeds, cuttings or bulbs mailed as bona-fide trade samples—not for sale or in execution of orders—and which conform to the regulations prescribed for "samples" in international mails, will be recognized as such and delivered to addresses without charge for postage at the letter rate.

SWEET PEAS

Buy your supplies from the growers, and you are sure to get them pure and reliable.

	Per 5 lbs.	Lb.
Blanche Ferry, white and pink	$1.00	$0.25
Blushing Beauty, the best pink	1.00	.25
Captain of the Blues, the best blue	1.00	.25
New Countess, the best lavender	1.00	.25
Sadie Burpee, new, the best white	3.00	.75
Salopian, the best crimson	1.50	.40
Countess of Aberdeen, pink edged rose	1.00	.25
Golden Gleam, yellow	1.00	.25
Gray Friar, white veined purple	1.00	.25
Prince Edward of York, scarlet	1.00	.25
Monarch, deep maroon	1.00	.25

We have a great number of other varieties. Write for list.

PERRY WATSON & CO., Sacramento, Cal.
Wholesale Seed Growers and Merchants.
Mention the Florists' Exchange when writing.

California Saved Palm Seeds, Etc.

FRESH ON HAND.	100	1000	5000
Phœnix Canariensis		$0.50	$2.00
" **Reclinata**	$0.25	2.00	8.75
Asparagus Sprengeri	.65	4.50	20.00
Brahea Glauca		per pound, 75c.	
" **Edulis**		"	75c.
Chamærops Excelsa		"	40c.

Coreopsis Lanceolata per pound, $1.25

Australian Salt Bush (Atriplex Semibaccatum), per pound, 75c.; 50 lb. lots, 60c.; 100 lb. lots or over, 50c.

Yellow Globe Danver's Onion, Per lb., 50c.; in 100 lb. lots, at 40c.

GERMAIN FRUIT CO., Los Angeles, Cal.
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THE PEARL.

A1 Bulbs, $5.50 per 1000; 5000 at $25.00.
Free on cars, New York City.
No. 2, $3.00 per 1000. 500 at 1000 rate.

HULSEBOSCH BROS., Englewood, N. J.
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DREER'S SPECIAL OFFER of HARDY PERENNIALS

Special List of Varieties Suitable for Cut Flowers.



SPIKE OF DREER'S SUPERB DOUBLE HOLLYHOCK.

	Per doz.	Per 100
Achillea The Pearl. 2¼-in. pots	$0 60	$4 00
Anthemis Tinctoria. 2¼-in. pots	60	4 00
" " **Kelwayi.** 2¼-in. pots	60	4 00
Anemone Japonica Alba. 2¼-in. pots	60	4 00
" " **Elegans.** 2¼-in. pots	60	4 00
" " **Lady Ardilaun.** 2¼-in. pots	60	4 00
" " **Whirlwind.** 2¼-in. pots	60	4 00
" " **Queen Charlotte.** New. 2¼-in. pots	1 25	10 00
Beltonia Asteroides. Strong divisions	75	6 00
" **Latisquama.** " "	75	6 00
Caryopteris Mastacanthus. 2¼-in. pots	60	4 00
Ceanothus Gloire de Plantieres. 3-in. pots	2 50	20 00
Clematis Recta. Two-year-old	1 50	12 00
Coreopsis Lanceolata. Strong clumps	75	6 00
" " **Grendiflora.** Strong clumps	75	6 00
Delphinium Chinensis. One-year-old	75	6 00
" **Formosum.** " "	75	6 00
" **Sulphureum.** Two-year old	2 00	15 00
" **Belladonna.** 3-in. pots	2 00	15 00
" **Frau Emma Metzger.** 2½-pots	2 50	20 00
" **Wilkie Collins.** 2¼-in. pots	2 50	20 00
Doronicum Austriacum. Strong plants	1 00	8 00
" **Caucasicum.** " "	1 50	12 00
" **Excelsum.** " "	1 25	10 00
Eupatorium Coelestinum. Strong divisions	75	6 00
Gaillardia Grandiflora. 3-in. pots	76	6 00
" " 4 "	1 00	8 00
Gypsophila Paniculata. Strong 1-yr. old	75	6 00
Helenium Autumnale Superbum. Strong divisions	1 00	8 00
" **Grandicephalum Striatum.** Strong divisions	75	6 00
" **Pumilum.** Strong divisions	1 25	10 00
Helianthus Multiflorus, fl. pl. Strong divisions	75	6 00
" " **Maximus.** Strong divisions	75	6 00
" **Maximiliana.** Strong divisions	75	6 00
" **Rigidus.** Strong divisions	75	6 00
Hellopsis Pitcherianus. Strong divisions	75	6 00
" **Scabra.** Strong divisions	75	6 00
" " **Major.** New. 2¼-in. pots	1 00	8 00
Heuchera Sanguinea. 3-in. pots	1 25	10 00
" **Alba.** 3-in. pots	1 00	8 00
Hollyhocks, Dreer's Superb Double. Strong clumps. White, pink, salmon, yellow, bright red, maroon	1 25	10 00
Choice Mixture. Strong clumps	1 00	8 00
Hollyhocks Allegheny. Mixed. Strong clumps	1 25	10 00
Hypericum Moserianum. Two-year-old plants	1 00	8 00
Iris Kæmpferi. 24 finest named varieties. Strong	1 50	10 00
" " **Choicest mixture**	1 00	8 00
Incarvillea Delavayi. New	4 00	
Lychnis Vespertina Alba Plena. Strong clumps	2 00	15 00
" **Chalcedonica, fl. pl.** Strong. 3-inch pots	1 50	12 00
" **Viscaria Splendens.** Strong clumps	1 25	10 00
Physostegia Virginica. Strong divisions	75	6 00
" " **Alba.** Strong "	75	6 00
Platycedon Japonicum, fl. pl. Strong clumps	1 00	8 00
" **Mariesi.** Strong clumps	75	6 00
Primula Veris. English Cowslip	75	6 00
Pyrethrum Hybridum. Choice mixed seedlings, clumps	1 00	8 00
" " **Choice mixed seedlings, 3-in. pots**	75	6 00
" **Uliginosum.** Strong divisions	1 00	8 00
Ranunculus Acris, fl. pl. " "	75	6 00
Phlox The Pearl. Fine white, 2¼-in. pots	75	5 00
" **25 finest varieties in cultivation,** 2¼-in. pots	75	6 00
Rudbeckia Golden Glow. Large clumps	1 25	10 00
" " " Strong divisions	50	3 00
Rudbeckia Newmani. Strong divisions	$0 75	$6 00
" **Purpurea.** " "	1 00	8 00
Scabiosa Caucasica Blue. 3-inch pots	1 25	10 00
" " **Alba.** 3 "	1 25	10 00
Statice Latifolia. One-year old plants	1 25	10 00
Tritoma Uvaria Grandiflora. Clumps	1 50	12 00
" " Strong divisions	75	6 00
" **Pfitzeri. New.** " "	1 50	10 00
Veronica Longifolia Subsessilis. Clumps	2 00	15 00
" " 2¼-in. pots	75	5 00
" **Spicata.** Strong divisions	1 00	8 00
" " **Alba.** Strong divisions	1 00	8 00

GENERAL COLLECTION OF PERENNIALS.

Achillea Filipendulina. Strong divisions	75	8 00
" **Millefolium Roseum.** Strong divisions	60	4 00
Aquilegia Chrysantha. 3 in. pots	75	5 00
" " Clumps	1 00	6 00
" " **Alba.** 3-in. pots	75	6 00
Arabis Alpina. Strong divisions	75	6 00
Arenaria Balcarica. Strong	75	6 00
Asclepias Tuberosa. Strong	75	6 00
Anemone Pennsylvanica. 3-in. pots	75	6 00
Armeria Maritima. 2¼-in. pots	60	4 00
" " **Alba.** 2¼-in. pots	60	4 00
Asters. 12 choice varieties	1 00	8 00
Boccenia Cordata. Strong divisions	75	6 00
Campanula Allariaefelia. Strong divisions	75	6 00
" **Persicifolia.** 2¼-in. pots	60	4 00
" **Pyramidalis.** 2¼-in. pots	75	8 00
Digitalis (Fox Glove). Strong	1 00	8 00
Erigeron Purpureum. Strong divisions	1 50	12 00
Funkia Coerulea. Strong divisions	60	4 00
" **Alba.** Strong divisions	1 00	8 00
" **Variegata.** Strong divisions	75	6 00
Geranium Sanguineum. Strong divisions	1 00	8 00
Geum Coccineum, fl. pl. 3-in. pots	1 25	10 00
Hemerocallis Dumortieri	1 00	8 00
" **Fulva**	50	4 00
" **Flava**	60	4 00
" **Kwanso, fl. pl.**	75	5 00
Lysimachia Clethroidea. Strong plants	75	6 00
Lythrum Roseum Superbum. 3-in. pots	75	6 00
Mertensia Virginica. 4-in. pots	1 00	8 00
Menarda Didyma Rosea. Clumps	75	6 00
" **Fistulosa Alba.** Clumps	76	6 00
Pardanthus Sinensis. Strong divisions	50	3 00
Papaver Orientalis. Strong roots	75	6 00
Pentstemon Barbatus Torreyii. Strong divisions	1 00	8 00
" **Coerulea.** Strong divisions	1 25	10 00
Phlox Sebulata Alba	75	5 00
" **Atrepurpurea**	75	6 00
" **Lilacina**	75	6 00
" **Nelseni**	75	8 00
" **Rosea**	75	5 00
" **The Bride**	75	5 00
" **Amœna**	75	6 00
" **Divaricata Canadensis**	75	6 00
Pinks Hardy Garden. Clumps in 6 vars.	75	6 00
Primula Cortuseides Sieboldi. 3 vars	1 00	8 00
Spiraea Aruncus. Strong	1 00	8 00
" **Filipendula, fl. pl.** Strong	75	6 00
" **Japonica.** Strong	50	4 00
" **Chinensis.** Strong	2 50	20 00
" **Palmata.** Strong	1 25	10 00
" **Venusta.** Strong	2 00	15 00
" **Ulmaria.** Strong	1 00	8 00
Stokesia Cyanea. 2½-in. pots	1 25	10 00
Symphitum Asperimum Aurea Var. 3-in. pots	1 25	10 00
Thalistrum Aquilegifolium. Strong	1 25	10 00
" " **Atropurpureum.** Strong	1 25	10 00
Thermopsis Caroliniana. Strong	1 00	8 00
Thymus Montanus Albus. Divisions	1 00	8 00
" **Vulgaris Coccinea.** Divisions	1 00	8 00
" **Serpyllum Aureum.** 2¼-in. pots	60	4 00
Tradescantia Virginica. Strong	75	6 00
Tricyrtus Hirta Nigra. 3-in. pots	1 00	8 00
Trollius Europæus	1 00	8 00
Verenica Incana. Strong divisions	1 50	12 00
" **Rupestris.** Strong divisions	1 00	8 00
Vinca Minor. Clumps	75	6 00

For a full line of HARDY PERENNIALS, HARDY CLIMBERS, and all other SEASONABLE STOCK, please refer to our current Wholesale Price List.

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Mention the Florists' Exchange when writing.

STILL UNSOLD!

Azalea Pontica, Azalea Mollis, Azalea Amœna,

Well-budded plants, $20.00 to $50.00 per 100.

PYRAMID BOX. 3 to 3½ feet and larger, at prices quoted last week.
STANDARD ROSES, $20.00 per 100.
Last week's sales upon **CALIFORNIA PRIVET** exhausted all sizes except
5000 3 to 4 feet, $35.00 per 1000 } Secure it now, before
750 4 to 5 feet, 45.00 per 1000 } it is all gone.
Not many **CRIMSON RAMBLER** left.
PINK RAMBLER, Nice plants, $35.00 per 1000.
Can still supply **STANDARD HYDRANGEA** at 18cts., and bushy plants, 2 feet, at 6cts. Heavier ones gone.
AMPELOPSIS ENGELMANNI, strong, at 8cts.

HIRAM T. JONES, Union County Nurseries, Elizabeth, N. J.

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Shrubs, Vines and Roses.

Write for price list or send your liste of wants for special prices.

W. & T. SMITH CO., Geneva, N. Y.

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OAK PARK NURSERIES

ARBOR-VITÆ 3-4 ft. 2½-3 ft
CAL. PRIVET 2 years.

M. F. TIGER, Patchogue, N. Y.

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SURPLUS FOR SPRING 1900

Can yet do **PEACHES** and **JAPAN PLUMS** in limited quantity; also **MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY, STRAWBERRIES** from best leading varieties. Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.
ALEX. PULLEN, PROPRIETOR.

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THE PINEHURST NURSERIES,

OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.

Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda nitida, Fothergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax lanrifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Dioncæa muscipula, Lupinus diffusus, Phlox subulata, Sarracenias, etc., etc. **Ask for Trade Liste.**

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F. & F. NURSERIES

SPRINGFIELD NEW JERSEY.

Wholesale Growers. **TREES AND PLANTS** In full assortment. Trade Catalogue Free.

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OAKS 10,000

Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogues on application. Send estimate of wants for prices.

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Mention the Florists' Exchange when writing.

AMERICAN HOLLY (Ilex Opaca)

This is one of America's most beautiful evergreens. Its foliage varies very little from that of the English Holly, and its rich clusters of scarlet berries make a good substitute for flowers in the Winter shrubbery. It is hardy in almost any locality. To insure safety in transplanting, the leaves should be removed from the plant at that time.

1 to 2 ft., transplanted, heavy.....$4 00 per 10; $30.00 per 100.
2 to 3 ft., " " ..... $6 50 " $50.00 "
3 to 4 ft., " " .....$9.00 "

ANDORRA NURSERIES, Wm. Warner Harper, Proprietor, Chestnut Hill, PHILA., PA.

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TREES

Fruit Trees, Small Fruits, including grapes. Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, MT. HOPE NURSERIES, 61st year. **Rochester, N. Y.**

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SPRING 1900 SPRING

Clematis, in the best market varieties, mostly Jackmanni, $20 per 100.

H. P. Roses, true to name, strong, fine plants, $10 per 100; $80 per 1000.

Azalea Mollis. Dwarfs, fine, well-budded plants, $35 and $45 per 100.

Azalea Mollis, Standards, fine, $75 a 100.

Azalea Pontica, extra fine, $45 per 100.

Lilacs, for forcing, $45 per 100.

Pæonia Sinensis, in the best varieties, true to name, $15 per 100.

Bleeding Heart, mammoth clumps, $10 per 100.

Gloxinia Erecta, extra fine, $40 per 1000; $5 per 100.

Tuberous Rooted Begonias, in separate colors, the cream of the market. Single, as above, $25 per 1000; $3 a 100. Double, " $40 " $5 "

CYCAS REVOLUTA The true long-leaf variety, will be on hand during April. Write for prices on all other goods to

F. W. O. SCHMITZ, Jersey City N. J.

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NEW SHELLBARK--HICKORY NUT, "Hornor's Special."

RARE EVERGREEN TREES
200,000 HANDSOME SHADE TREES,
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LETTUCE Boston Market, Tennis Ball, Curled Simpson, Grand Rapids, and other vars., 15c. per 100; $1 00 per 1000; $3.50 per 10,000; if by mail, add 10c. per 100.

TOMATO Small plants for transplanting, in several varieties, 15 cts per 100; $1.00 per 1000.

PEPPER Small plants for transplanting, in several varieties, 25c. per 100; $2.00 per 1000. If by mail, add 10c. per 100.

EGG PLANTS New York Improved for transplanting, 25c. per 100, $2.00 per 1000.

CELERY Golden Self Blanching and White Plume, 15c. per 100, $1.00 per 1000

Other vegetable plants in season. Cash with order.

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Just received from our Holland Nurseries

RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM
PÆONIES, BLEEDING HEART
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.

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SPECIAL OFFER Hardy Perennials

Our immense collection of Perennials should be slightly reduced to make room, hence this limited special.

SEA PINK, ARMERIA (For edging) 2 inch, at $4 00 per 100.

ASTER NOVÆ, ANGLIÆ Heavy, field-grown, at $4.00 per 100.

DELPHINIUM CHINENSIS Blooming size, 3 inch, at $8.00 per 100.

PYRETHRUM ROSEUM 2½-3 inch, at $5.00 per 100.

Our Trade Catalogue Shows A Big List of Fine Stock.

THOS. MEEHAN & SONS, Germantown, PA.

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FANCY-LEAVED CALADIUMS

	10	100
Bulbs 1⅛ to 2½ inches in diameter, 15 to 25 varieties	$2.50	$20.00
Bulbs, 1 to 1¼ inches in diameter, 6 to 8 varieties	1.50	12.00

The first size will make grand specimen plants or stock bulbs. No larger or finer are in the market.

LATANIAS and PHŒNIX.

Latanias, 4 inch pots, 2-3 characterized leaves	100	$20.00
Latanias, 5 inch pots, 4-5 characterized leaves		30.00
Phœnix Reclinata, Canariensis and Pumila, 15-18 inches		20.00
Phœnix Reclinata, Canariensis and Pumeia, 20-24 inches		30.00

Not less than 50 at above rates.

GRAFTED ORANGES and LEMONS.

	10	100
10 to 15 best varieties, 4 inch pots, 10-12 inches high	$2.50	$20.00
10 to 15 best varieties, 4 inch pots, 15-18 inches high	3.50	30.00
10 to 15 best varieties, 4 inch pots, 20-24 inches high	6,00	
	100	1000
1,000 Prairie Roses, very strong	$7.00	
1,000 Moss Roses, " "	7.00	
2,000 Hybrid Wichuraiana (Manda's),	5.00	$40.00

Quotations include packing.

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CAPE JASMINES

Gardenia Florida, 3 to 6 inches, strong and stocky, at $2.00 per 100.

CALIFORNIA PRIVET 2 to 2½ ft., well-branched, at $2.00 per 100.

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CADDO NURSERIES.

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Yucca Filamentosa

Fine, large plants, $10.00 per 100.

SAMUEL C. MOON, Morrisville, Pa.
BUCKS CO.

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SURPLUS PEACH

500 **Elberta,** No. 1.....at 4 cts.
150 **Chairs' Choice,** No. 1.....at 4 cts.
100 **Smock,** No. 1.....at 4 cts.
100 **Brandywine,** No. 1.....at 4 cts.
5000 General assortment, 7-16 to 9-16, at 2 cts.

Handsome, well-branched trees. Certificate accompanies all shipments.

W. P. BRINTON, Christiana, Pa.

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EDWARD B. JACKSON,

Wholesale Florist.

Hardy Herbaceous Plants Only

In any quantity for the least money.

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STRAWBERRY and other SMALL FRUIT PLANTS

FRUIT TREES, Etc.

Strawberry plants, such as Michel's, Tennessee and Earliest at 40c. per 100, $1.50 per 1000; Wm. Belt, Gandy, Bubach, Haverland, Kentucky, Glen Mary, Marshall, Lovett, Eclipse, Greenville, Champion England, Pride of Cumberland, Carrie, Clyde, Hall's Favorite, Lady Thomson, Bismarck, Cumberland, Seaford and some others at 50c. per 100, $2.00 per 1000; Nick Ohmer, $1.00 per 100, $4.00 per 1000; Pres. Lincoln, $1.00 per 100.

Asparagus Roots, strong, 2 year. Conover's, Colossal, Palmetto and Barr's Mammoth, $1.00 per 100; $4 00 per 1000.

10,000 Kansas (black) Raspberry, 75c. per 100; $4.00 per 1000; $7.00 per 2000. Other Raspberries, Blackberries, etc., Peach and other fruit trees. For price list address

CHAS. BLACK, Hightstown, N. J.

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EXPANSIVE TREE PROTECTOR.

Absolutely prevents all worms and insects from crawling up fruit and shade trees. For agency, territory and prices, address

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C. H. JOOSTEN, SPECIAL, Hardy Azaleas, Rhododendrons, Dwarf and Tree Roses, Crimson Ramblers, Hermosa, own roots, Spring Flowering Bulbs, Etc.

Catalogue on Application. 85 DEY STREET, NEW YORK.

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NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN

WILSON J. PETERS, Troy, O., President; D. S. LAKE, Shenandoah, Ia., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

Humboldt, Tenn.—The Tennessee Nursery Co. recently met with a loss of $2,500 by fire.

The State Board of Horticulture of Montana has decided to bring a test suit to determine what authority it has, if any, to collect fees for inspection from the owners of fruit and fruit trees.

Newark, N. Y.—The Jackson & Perkins Co. were the successful bidders for three out of ten separate lists, each comprising some particular line of trees, shrubs, plants or bulbs required by the Pan-American Exposition. The three lists for which the orders were awarded to the firm consisted of climbing vines, trailing vines for covering ground and hedge plants.

NOTES BY THE WAY.

WARREN, PA.—W. M. Lott has fully recovered from his recent sickness, and reports a big file of Easter orders.

HORNELLSVILLE, N. Y.—W. A. Wettlin reports a most successful Easter; the demand for plants was greatly in excess of any preceding year. He has a busy time ahead.

JAMESTOWN, N. Y.—Lake View Rose Gardens report a shortage of carnations, but a heavy crop of roses. Mr. Roney showed me some Beauty and Meteor that for color better could not be desired.

BINGHAMTON, N. Y.—Mrs. M. L. Barnes reports a good Easter; she disposed of everything salable and ran out of stock. W. H. Graham and Anton Spofford had all they could do to handle the crowd.

WILLIAMSPORT, PA.—"Carnations were the scarcest around Easter—just when we needed them most. Roses and bulbous stock were in fine shape and sold well. Longiflorum lilies were a trifle late; what we had went well"—Evenden Bros.

ELMIRA, N. Y.—Grove P. Rawson says it was a blue, or rather violet, Easter, the demand for violets being outequaled by the supply, which overtaxed all hands.

Mr. Durand notes an increase in the demand for blooming plants.

Hoffman Bros. report a rusher, and with ideal weather all went well.

LOUISVILLE, KY.—Jacob Schultz had a grand lot of Bougainvillea Sanderiana for Easter, also hydrangeas and American Beauty, pot grown.

J. E. Marret had a well-grown general stock.

Wm. Walker is seriously thinking of removing his plant farther out of the city, his present location being too valuable for the business. He has a fine property, stocked with rare specimens of Ilex communis.

CORNING, N. Y.—A. H. Woeppel tried the plan of watering lilies with tepid water with success, bringing in a crop just in time. The plants were changed about frequently and watered twice daily. The foliage and flower were perfect. He will force Japan longiflorum for next Easter, for although the date is earlier he feels sure that, with care, they can be brought in easily. Many who were just a little bit behind should make a note of this manipulation. Mr. Woeppel had a fine lot of carnations and roses to supply the biggest Easter business on record.

ROCHESTER, N. Y.—J. B. Keller's Sons report a fine Easter; they had a grand stock and big sales, enough left over to supply the succeeding busy week of weddings and receptions.

Fred. Schlegel says they never had a better time, and though it was hard work they would not like to see Easter abolished, as would a certain member of the craft who considers Easter should be evolved into something else, at which I am surprised, for I observed he was well pleased with the returns. What would he suggest to take the place of Easter?

Salter Bros. had their hands full to keep their two stores going. The season is backward; last year at this time many perennials were in flower at the Keller garden; this season vegetation is just starting. The outlook for extensive planting in the herbaceous line especially is very promising. Messrs. Keller will build a cold house, 150x25 feet, the only prospective building I heard of for this year.

BUFFALO, N. Y. —Chris. F. Christensen, our old friend who for so many years took the lead in growing flowering plants on Delaware avenue, has purchased a fine tract of land at Eggertsville, a short distance from the city limits, and is erecting as a starter six houses, each 125x20 feet, almost equal span, for cut flowers chiefly. The new carnations and Liberty rose will have a good showing here.

Mrs. D. Shawlands will vacate the place she has occupied for many years at the Main street entrance to Forest Lawn Cemetery immediately after the Spring trade is over. She has secured a splendid location, almost directly opposite the new entrance, for which $40,000 has been appropriated. Her houses will conform to the general surroundings.

William Scott found time, between Pan-American business and informing inquirers how to perform Multum in Parvo, to tell me that this year Easter business totalled larger at his Cold Spring place than any other year when running a separate store.

Will Palmer, of W. J. Palmer & Son, had not gotten over the rush when I called, wedding and receptions following the Easter festival have kept everyone busy. Stock was plentiful and good, an increasing demand for flowering plants being noted.

W. M.

Fern Spores Extra large packet of fresh Spores. Best varieties assorted, sufficient for 3000 or more plants, $1.00. **Collection** of 12 best varieties, each separate, $5.00.
E. C. McFADDEN, Short Hills, N. J.
Mention the Florists' Exchange when writing.

10,000 Maiden Hair Ferns
Fine, strong plants, from 2½ inch pots, $3.00 per 100; $25.00 per 1000.
P. J. BURGEVIN, Port Chester, N. Y.
REGENT PARK GREENHOUSES.
Mention the Florists' Exchange when writing.

JOSEPH HEACOCK,
WYNCOTE, PA.,
—GROWER OF—
Areca Lutescens,
Kentia Belmoreana,
Phoenix Rupicola.
Mention the Florists' Exchange when writing.

BOSTON FERN
Ready now. Cut from bench for 6 in. and 7 in. pots at $4.50 and $6.00 per doz., very fine. Small plants (orders booked for June Delivery) at $5.00 per 100; $40.00 per 1000.
100,000 BEDDING PLANTS, Very Fine.
Geraniums of kinds. Coleus. Alternanthera, etc., etc. Send for list. Rooted Cuttings, Coleus.
L. H. FOSTER, 45 KING STREET, Dorchester Mass.
Mention the Florists' Exchange when writing.


Send for Our List of
Kentias,
Latanias,
Ficus,
Asparagus, Dracænas, etc. Ask for our price list of Perpetuated Palms. Samples sent on request. Address
THE GEO. WITTBOLD CO., Chicago,
1708 N. Halsted Street.
Mention the Florists' Exchange when writing.

NEPHROLEPIS WASHINGTONIENSIS
Now is the time to start this giant among the Nephrolepi ferns, with proper treatment it will make fronds in one summer five to six feet long by 12 to 15 inches broad. They are very durable. The variety "erecta," five young plants, for $1.00, free by mail; 4 inch pot plants, 50 cts. each; larger ones from $1 to $5 each.

BEDDING PLANTS.
Monthly Roses, in variety, $8.00 and $10.00 per 100, from 4 inch pots; from 5 inch pots, $15.00 per 100. **Geraniums** in variety, $7.00 per 100, from 4 inch pots; $3.00 per 100, from 2¼ inch pots. **Ageratum** (blue). **Cigar Plants, Scarlet Sage, Sweet Alyssum, Verbenas, Carnations, Hardy** and **China Pinks, Lobelias, Ivies, Coleus, Alternantheras**, from 2¼ inch pots, $2.50 per 100. **Dahlias** and **Cannas**, from bunches, strong rooted plants, in variety, $5.00 per 100. Seedlings of Annuals and Perennials, $1.50 per 100. **ALL FOR CASH. 25 AT 100 RATES.**

DECORATION AND FOLIAGE PLANTS.
Young, healthy stock of **Palms, Ferns, Dracænas, Marantas, Dieffenbachias, Pandanus Utilis, Anthuriums, Clerodendrons, Allamandas, Stephanotis, Cissus, Ruellias, Jessamines, Cyperus**, Etc.
Please state what you wish, and I will quote you lowest prices, as I issue no catalogue.
N. STUDER, Anacostia, D. C.
Mention the Florists' Exchange when writing.

CANNAS The THREE BEST Solid Red CANNAS: BLACK PRINCE, $10.00 per 100; PHILADELPHIA, $4.00 a 100; DUKE OF MARLBOROUGH, $1.00 a 100.
BOSTON FERN Strong, 2½ inch, $5.00 per 100. | YELLOW RAMBLER, PINK RAMBLER } TWO YEAR, $8.00 per 100
THE CONARD & JONES CO., West Grove, Pa.
Mention the Florists' Exchange when writing.


PALMS
AND OTHER
DECORATIVE PLANTS
At Greatly Reduced Prices.
Stock large and in fine condition.
Send for new Wholesale list. Special prices on large orders. Send in list of your wants.
W. J. HESSER,
Plattsmouth, Neb.
Mention the Florists' Exchange when writing.

CHOICE YOUNG STOCK

	Inch	Dozen
Pandanus Utilis	3	$1.00
" Veitchii, fine color	3	3.00
Begonia Vernon, full of flower	3	.50
Nephrolepis Philippense	4	1.00
" Bostoniensis	4	1.00
Dracæna Indivisa, strong	4	2.00
" Latifolia	3	1.00
Pteris Deweyana, new	3	1.00

All ready to shift on at once.
JOHN H. LEY, Good Hope,
WASHINGTON, D. C.
Mention the Florists' Exchange when writing.

PREPARED TROPICAL PALMS AND CYCAS LEAVES

Send for Catalogue.
OSTERTAG BROS., Florists,
Washington and Jefferson Aves., ST. LOUIS, MO.
Mention the Florists' Exchange when writing.

BOSTON FERNS
N. Exaltata Bostoniensis.
Small plants, $5.00 per 100 or $40.00 per 1000; large plants, $6.00 to $20.00 per 100. Orders only taken for June delivery.
—ALSO A FINE LOT OF—
Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 inch, $3.00 per doz.
Asparagus Plumosus, $1.00 to $1.50 doz.
Asparagus Sprengeri, 3½ in. pots, $1.50 per doz.
Geraniums, 3½ to 4 in. pots, $7.00 to $8.00 per 100.
Heliotrope, $6.00 per 100.
Fuchsias, 3½-5 in. pots, $6.00 to $12.00 a 100.
Coleus, $3.00 to $5.00 per 100.
Hydrangeas, 25 cts. to $1.50 each.
Also a general assortment of Bedding Plants.
WM. A. BOCK, No. Cambridge, Mass.
Unknown correspondents will send cash with orders. Connected with Telephone.
Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis
The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.
Mine is the Genuine Stock.
FRED. C. BECKER, Cambridge, Mass.
1730 CAMBRIDGE ST.
Mention the Florists' Exchange when writing.

LATANIA BORBONICA

4 inch pots	$2.50 per doz;	$20.00 per 100.	
5 "	4.75 "	35.00 "	
6 "	9.00 "	70.00 "	
7 "	1.25 each, and fine specimen plants from $6.00 and upwards.		

Areca Lutescens, fine plants from $5.00 upwards.
Kentia Belmoreana and Forsteriana—
4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, well grown, from $2.50 and upwards.
Phœnix reclinata, 4 in. pots, 25c. each, $20 per 100; 5 in. pots, 40c. each, $35.00 per 100; 6 in. pots, 60c. each, $55.00 per 100; 7 in. pots, $1.25 each.
Phœnix Canariensis, Rupicola and Reclinata, fine specimen plants, from $3.00 to $5.00 each.
Cocos Weddelliana, from 2 in. pots, $1.50 per doz.
ASPARAGUS SPRENGERI 3 in. pots, $1.00 a doz. 5 in. pots, 25c. each.
JOHN BADER, Troy Hill, Allegheny, Pa.
L. D. TELEPHONE 872.
Mention the Florists' Exchange when writing.

CANNAS Our selection, started, ready for potting:
Mme. Crozy, Chas. Henderson, Egandale, Florence Vaughan, J. C. Vaughan, Queen Charlotte and ten other good varieties.
Price, $3.00 per 100; $25.00 per 1000.
4 in. pot plants, $6.00 per 100.
MAURANDYA VINE, rosea and alba, just what you want for baskets and vases, 3 cts.
ALTERNANTHERAS, R. Nana, A. Nana, P. Major, 2½ cts.; R. C., 60 cts. per 100; $5.00 per 1000.
GERANIUMS, Sallerol, Mrs. Taylor, Walnut and Rose, 2½ cts.
VINCA MAJOR, white leaf, 2¼ in., 2½ cts.
BEGONIAS, in variety, 2½ cts.
TRAILING LANTANA, 2½ cts.
GNAPHALIUM, fine for baskets, etc., 2½ cts.
ACHYRANTHES, 2½ cts.
COLEUS, Beckwith Gem, Queen of West and other varieties, 2 cts.; R. C., 75 cts. per 100.
TRADESCANTIA Multicolor and GIANT SWEET ALYSSUM, 2 cts.; R. C., 75 cts. a 100.
CASH, PLEASE.
A. J. BALDWIN, Newark, Ohio.
Mention the Florists' Exchange when writing.

CANNAS.
Souv. de A. Crozy, Burbank, Italia, Austria, out of 3 in. pots; per 100, $6.00. Mixed varieties, standard sorts, 3 in.; per 100, $5.00.
ROSES, Bride and Bridesmaid, 2 in., clean stock, per 100, $3.00
CHRYSANTHEMUMS, 2 inch. Ivory, Golden Fleece, Independence, Canning, Mizpah, Glory of Pacific, Helen Bloodgood, G. Bramhall, at $2.00 per 100.

Alternantheras. P. Major and A. Nana, Rooted Cuttings; 100, $5.00	$0.60
Cobæa Scandens, 2½ in.	2.00
Salvia Splendens, 2 in.	2.00
Rudbeckia, Golden Glow, 2½ in.	3.00
Abutilon, Souv. de Bonn, 3 in.	5.00
Cyperus Alternifolius, 4 in	5.00
Fuchsia Jupiter, 3 in.	5.00
Begonia, Erfordi and A. Guttata, 2in.	2.50
Cigar Plant, 2 in.	2.00
Feverfew, Little Gem, 2 in.	2.50
Passion Vine, purple, 2½ in.	3.00
Plica, 2 in.	2.00
Dusty Miller (Gym.), 2 in.	2.00

Send for list of Sweet Pea seed.
Satisfaction Guaranteed. CASH WITH ORDER.
GEO. L. MILLER, Newark, Ohio.
Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED

AN A1 grower of carnations and general stock, wants a position immediately; good references, total abstainer R. H., care Florists' Exchange.

WANTED—Situation as gardener and florist by thoroughly experienced Hollander; A1 references. Address F. Th. C., 93 Lenox Ave., N. Y. City.

CARNATION specialist wants situation in large commercial place as foreman; long and successful experience. Address R. G., care Florists' Exchange.

ACTIVE young man, German, 20, four years' greenhouse experience, desires store position to learn decorating and designing. Box 471 Lakewood, N. J.

YOUNG man, 25, seeks permanent position in a private or commercial place; best of European and American references. Address M. Herr, florist, 861 Second ave., New York.

SITUATION wanted, by a first-class florist, married, no children; 12 years' experience in Germany, England and America; competent to take charge of commercial or private place. Address, Gleede, Union Avenue, Flushing, L. I.

LANDSCAPE gardener, used to large work and the management of many hands, wants a situation; experienced in working out extensive plans and in the cultivation of all kinds of trees and shrubs. Address R. J., care Florists' Exchange.

PRIVATE gardener, wants position as head, where a thorough and competent man is needed; can handle men and conduct all manner of work in both the laying out and caring for private places. Address R. L., care Florists' Exchange.

WANTED—Situation as head gardener where several men are kept, or, position as grower in the trade where orchids and other stock are grown in quantities; no objection to travel; first-class testimonials from last and previous employers; 10 years with Sanders & Co., St. Albans, England; three years head gardener to Mrs. Fred. Ames, North Easton, Mass. Address C. Maynard, North Easton, Mass.

POSITION WANTED—BY RELIABLE man, as foreman, 15 years in the business. Specialties: roses and carnations; good references; give full particulars with wages. Barry Donnelly, 1121 Main St., Pawtucket, R. I.

POSITION WANTED AS MANAGER or foreman on large rose growing establishment where A1 stock is wanted. The undersigned, for the past two years foreman at Myers & Samtman's, rose growers, Chestnut Hill, Philadelphia, will be open for engagement as above after May 23d. Address Wm. Munro, Wyndmoor, Montgomery Co., Pa.

SITUATION WANTED—BY FIRST-class Eastern grower, born and brought up in the business; one year's experience West; carnations a specialty, A1 grower of roses, chrysanthemums, violets, bulbs, etc.; understands building, heating and all other branches; will take full charge or as working foreman, East or West; rapid worker, and strictly temperate; state particulars and wages. Address P. J., care Florists' Exchange.

HELP WANTED.

WANTED, a good carnation grower, married or single, steady position the year round. State references and wages wanted. Address Carl E. Taube, Trenton, N. J.

WANTED, good florist on small commercial place, must understand growing roses, wages $25.00 per month with board. Address, with reference, R. D., care Florists' Exchange.

WANTED at once, single man, German preferred, as assistant in florist business; state wages, with board expected, and age. Est. Gedmidig, Cedar st., Norwich, Conn.

WANTED working foreman, thoroughly competent, steady and sober, must have good reference, no other need apply. Write us stating experience, etc, and salary wanted. Greene & Underhill, Watertown, N. Y.

WANTED—A first-class grower of high-grade carnations on a commercial place; prefer a middle-aged man with long experience who can show a record; a good opportunity for the right man; send references. Address H. N. Eaton, So. Sudbury, Mass.

WANTED a single man as gardener and florist on a commercial place. Must be a good propagator and understand the growing of general greenhouse stock. References required; permanent place to right man; wages $35.00 per month with board and lodging. Address Geo. C. Roeding, Prop., Fancher Creek Nurseries, Fresno, Cal.

Mention the Florists' Exchange when writing.

HELP WANTED.

WANTED at once, single man, German preferred, to assist in general greenhouse work; state wages. Hermann Scholzel, 537 Fulton st., Union Hill, N. J.

WANTED—Nursery foreman; permanent position for a man experienced in nursery business; state age, experience and salary required. V. A., Vaulcek Nurseries, Newport, R. I.

WANTED at once, florists' clerk, maker-up and decorator, good address and character required, married man preferred; wages $12.00 per week, situation permanent. John Reck, Bridgeport, Conn.

WANTED—Single man, Scotch, as foreman in a commercial place, a good all-around man; one not afraid of work; must be A1 in growing of carnations, 'mums and bulbs; good place for right man; references. Address P. X., care Florists' Exchange.

WANTED—A working foreman; must be sober, honest, an expert grower of palms, foliage and all kinds flowering pot plants; one who can grow plants of the highest merit; no other need apply; single man preferred. Address P. Z., care Florists' Exchange.

WANTED—TWO YOUNG MEN FOR carnation and rose houses; state experience and wages wanted. F. Burkl, Bellevue, Pa.

COMPETENT ROSE AND CARNATION grower wanted. Salary, $70 per month and house. Address R. E., Florists' Exchange.

WANTED—A YOUNG MAN WITH some experience in roses, carnations, etc., to work in greenhouse under foreman. Wages, $9 to $10 per week; give reference and state where last employed. Address John Schafer, Ballston Spa, N. Y.

MISCELLANEOUS WANTS.

WANTED to rent, 6,000 to 10,000 feet of glass, must be in good condition, suitable for roses and carnations; near New York City. Full particulars. Address Geoede, Union Avenue, Flushing, L. I.

WANTED—Nursery stock, 250 White Spruce 3-3½ transplanted; 100 White Pine, 5-6 ft.; 200 Spiræa Rotundifolia, 3 ft.; 100 Spiræa Arguta, 3 ft.; 110 Galium Boreale. V. A. Vaulcek Nurseries, Newport R. I.

WANTED to rent, one or two greenhouses and about one acre of land, within easy distance of New York; suitable for growing a general line of stock. Send full particulars Address C. Butcher, Yonkers, N. Y.

WANTED—1000 ENGLISH IVIES. Name price and size. The Elizabeth Nursery Co., Elizabeth, N. J.

BUSINESS OPPORTUNITIES.

FOR sale or rent cheap, greenhouses, 14,000 feet glass, well stocked for spring trade, also seven-room dwelling and barns, doing large retail trade with little competition, in growing town of 20,000 people; write for particulars. Address P. T., care Florists' Exchange.

FOR SALE. Six greenhouses, 15,000 feet glass; 2 dwelling houses, stable, wagon house, water works on place; houses, stocked with carnations and bedding plants, heated with steam. Have an annual business of $5500.00; all my trade is cash; will sell 3¼ acres of ground with plant. Everything is in first-class order; will sell on easy terms to a reliable party. Address R. C., care Florists' Exchange.

FOR SALE TO CLOSE AN ESTATE, 9 greenhouses, 30,000 ft. glass capacity, situated 25 miles from Buffalo, on N. Y. C. R. R., D. Dimmock, Corfu, N. Y.

FOR SALE—240 ACRES OF LAND ON Isthmus of Tehauntepec, State of Vera Cruz, Mexico. For full particulars write Roland Hughes, 846 New York Life Building, Kansas City, Mo.

FOR SALE OR RENT—GREENHOUSES and 8 acres of land, within 5 miles of center of Philadelphia, in an improving district; 45,000 feet covered with glass, steam heated, stocked with roses, carnations, asparagus, smilax, violets, etc.; 12-room dwelling; stable. For further particulars, address Evans' Rowlandsville Nurseries, Station F, Philadelphia, Pa.

MISCELLANEOUS.

FOR SALE, 1 horizontal tubular boiler, 1 No. 8 Furman boiler, 3 locomotive pattern boilers, all the above are second-hand steam boilers, in good condition. Address R. F., care Florists' Exchange.

CAST IRON PIPE, 400 ft. of 4 in., 5 ft. lengths, suitable for greenhouse heating, 10 cts. per ft.; five 4 in. valves, suitable for the above pipe, $1.50 each; also a few Ls and Tees, 25 cts. each; these prices are cash on the cars. P. M. DeWitt, Bridgewater, Burks Co., Pa.

FOR SALE—ONE HITCHINGS BASE-burning water heater, in perfect order, also lot of 4 in. pipe and one expansion tank. Address Seaside Nurseries, Charleston, S. C.

Mention the Florists' Exchange when writing.

Nursery Stock for Canada.

Following is the full text of the amendment to the San José Scale Act, for the purpose of admitting nursery stock into Canada:

"His Excellency in virtue of the provisions of section 5 of chapter 23 of 61 Vic., entitled 'An Act to Protect Canada from the Insect Pest known as the San José Scale,' and the Act amending the same, intituled 'An Act to amend the San José Scale Act,' and by and with the advice of the Queen's Privy Council for Canada, is pleased to order that exemption shall be and is hereby authorized from the operations of the above-mentioned Act, for a period from the date thereof to May 1, 1900, of any trees, shrubs, plants, vines, grafts, cuttings or buds, commonly called nursery stock, from any country or state to which the San José Scale Act applies, and all importations thereof shall be and the same are hereby permitted to be entered at the Customs Ports of St. John, N. B.; St. Johns, Quebec; Niagara Falls and Windsor, Ontario, and Winnipeg, Manitoba, only, where they will be thoroughly fumigated with hydrocyanic acid gas by a competent Government official in accordance with the most approved methods. All shipments made in accordance with the above will be entirely at the risk of the shippers or consignees, the Government assuming no risk whatever. The packages must be addressed so as to enter Canada at one of the above named ports of entry, and the route by which they will be shipped must be clearly stated upon each package.

"As it is well known that well-matured and throughly dormant nursery stock may be safely treated, but that there is danger of serious injury to the trees if fumigated in the Autumn before the buds are thoroughly dormant, or in the Spring after the buds have begun to unfold, all stock which when received is immature or too far advanced for safe treatment will be refused entry and held at the risk of the shipper.

JOHN J. McGEE,
Clerk of the Privy Council."

Roses imported in leaf and in a growing condition, which have been propagated under glass, are now admitted at any port in Canada. No time is fixed for the expiry of this permission.

Lynn, Mass.

The palm swindler (Edwin White), who has been serving time in Providence, was brought to Lynn at the end of his sentence there, tried in the local court, and sent to jail for six more months, on the charge of swindling plants from Wm. Miller & Sons. J. L. M.

Ithaca, N. Y.

Alfred J. Smith, florist, has rented a large tract of land, on which he will grow cabbage, onions and celery.

WEST BROOKFIELD, MASS.—It is reported that the old Jennings' Greenhouses are to be repaired by the owner, Mr. Niles, and a florist's business started there.

CATALOGUES RECEIVED.

HUNT'S, Lewistown, Pa. — List of Seeds, Bulbs, Plants, etc.

ARTHUR G. ALDRIDGE. Fishers, N. Y.—Wholesale Price List of Potatoes for Seed, including all the best novelties.

AD. DE CLERCQ-VAN GHYSEGHEM, Ledeberg-Gand, Belgium.—Illustrated catalogue of Palms, Araucarias, Dracænas, Bay Trees, etc.

JOHN F. RUPP, Shiremanstown, Pa.—List of Seed Specialties for Florists, including Chinese Primroses, Cinerarias, Cyclamen, Petunia, etc.

T. C. THURLOW, West Newbury, Mass.—Wholesale catalogue of Cherry Hill Nursery; Specialties, Rare Shrubs, Trees and Rocky Mountain Evergreens.

LEGAL NOTES.

BOSTON, MASS.—In an action recently brought by Richard Welch, florist, against the Brookline Gaslight Company, to recover damages for injury alleged to have been caused to plants and flowers in plaintiff's greenhouse by reason of an alleged leak of gas from the defendant's pipes on November 27, 1898, a verdict for $800 has been rendered for Mr. Welch.



Newport, R. I.—The Gardeners' bowling team met defeat Monday, April 9, from a team selected from the Newport Artillery. The match took place on the Armory alleys, and was witnessed by a large number of spectators. The result was not in doubt from the first, the Artillery leading by a good margin on each string, and by 330 points in a total score of 2,002 to 1,650. Two of the Artillery team made over 400, and two others were within 2 and 5 points respectively of that figure. The best score of the Gardeners' was beaten by all but one of the Artillery team. The individual and team scores are as follows:

ARTILLERY TEAM.

	1	2	3	Total
H. M. Ackers	110	163	125	398
W. S. Bailey, Jr	93	90	138	321
H. Smith	126	152	157	435
A. T. Bailey	161	144	148	453
G. F. Bliss	113	116	166	395
Total	603	665	734	2,002

GARDENERS' TEAM.

R. Patterson	87	115	126	328
A. S. Meikle	85	90	165	340
R. Gardner	99	143	136	378
J. T. Allen	91	106	122	319
C. D. Stark	88	137	82	307
Totals	450	591	631	1,672

Umpires—Lieutenant F. P. King and Private J. C. Mailey; judges, Privates F. L. Holt and S. D. Harvey; scorers, Privates H. C. Sherman and H. M. Sherman.

Although defeated the Gardeners are not discouraged, and have challenged the Artillery team to a match on their alleys on the 19th. On the Artillery alleys the conditions were found very different from those the Gardeners were accustomed to, being longer and wider, besides only two balls are used on each roll. But the score, 1,650, is much superior to that made by the officers of the company, played just a week previous, their aggregate score being: Line officers, 1,175; staff officers, 1,132.

MAC.

Flatbush, N. Y.—Herman C. Baartman, bulb grower, from Holland, was a visitor at the alleys Thursday evening, and took part in the several games. The scores made were as under:

	1	2
E. Dailledouze	157	146
P. Riley	142	127
P. Dailledouze	108	155
C. Wocker	105	108
H. C. Baartman	91	88
Papa Zeller	..	79
H. Dailledouze	..	105
W. Prosser	115	..
L. Schmutz	131	159
I. Thennis	101	111
C. Werner	113	129
S. S. Butterfield	91	143

Chicago.—The four games to finish the series of eight, from the result of which the team of six is to be selected to play the St. Louis boys, was rolled at Anson's on Friday evening, April 20. The first five were sure winners; the sixth will be selected from the three next names, when the averages are correctly footed up:

	1	2	3	4
G. Stollery	179	148	208	117
F. Stollery	158	170	147	232
Asmus	159	147	146	220
Winterson	152	177	158	178
Balluff	120	159	151	131
Degnan	134	173	164	138
Hauswirth	151	133	133	145
Hughes	124	119	166	158
Krisk	113	105	146	165
Sauvage	158	181	156	162

New York.—Below are the scores made at the meeting of the club April 23:

	1	2	3
F. H. Traendly	146	147	151
A. S. Burns	145	146	160
W. H. Siebrecht	133	128	133
A. Von Asch	124	128	118
W. J. Stewart	140	139	114
T. J. Lang	163	175	153
J. Thielman	155	160	191
J. I. Donlan	173	139	166
P. O'Mara	145	155	..
F. McMahon	74	79	..
J. Moody	117	105	..
C. Allen	118	99	..

GREAT CLEARING SALE

Surplus Stock Rooted Carnation Cuttings.

			Per 100	Per 1000
11,000	MRS. JOOST	from soil	$2 00	$15 00
2,000	GOLD NUGGET	"	2 00	15 00
750	ARGYLE	"	1 50	
100	TIDAL WAVE	"	1 50	
5,500	MRS. JAS. DEAN	"	2 00	15 00
4,500	JOHN YOUNG	"	2 00	15 00
2,000	EVELINA	from soil	$1 00	$10 00
500	MELBA	"	2 00	
10,000	G. H. CRANE	from sand	4 00	40 00
4,000	G. H. CRANE	from soil	5 00	45 00
4,000	CHICAGO	"	6 00	60 00
6,000	GENEVIEVE LORD	"	10 00	75 00

CHICAGO CARNATION CO., Joliet, Ills.

Mention the Florists' Exchange when writing.

Plant Curiosities.

Many plants in common cultivation show some striking peculiarities, and when we know where to look for these odd features and how to exhibit them they never fail to be exceedingly interesting. Only a few of these plants are mentioned below; they are all easily procured and not difficult to cultivate.

Pellionia pulchra and P. Daveauana are exceedingly ornamental creepers when grown in a shaded warm house. They will always take care of themselves when introduced to a bench of wet gravel or sand. They are allied to the pilea, commonly known as the "artillery plant," and have the same method of suddenly opening the male flowers and discharging the pollen-like little puffs of smoke. The pellionias have much larger flowers than the pilea. To produce the action quickly dip the flowers in tepid water and they will discharge the pollen in a few seconds.

Schinus molle, the "peruvian pepper," used as a shade tree in California, and often grown in the Eastern States for temporary effects in Summer, shows peculiar antics when pieces of the leaves are thrown on the surface of water. The pieces will immediately start along the surface in short jerks, sometimes varying the performance by spinning around rapidly. These motions are caused by the exudation of the resin from the bruised parts of the leaf.

When the seed vessels of Oxalis tropeoloides are ripe a little disturbance with the hand will cause myriads of the seeds to fly in all directions.

Desmodium gyrans, known as the "Indian telegraph plant," is the only one with which I am acquainted that keeps up a very perceptible motion of the lateral leaflets without interference in any way. The leaves are formed of one large terminal leaflet and two small ones. It is the smaller ones which are continually on the move. The upward movement is slow and jerky, but the downward motion is rapid. The circuit is completed in about two minutes. Sensitive plants are numerous in cultivation; the two genera, mimosa and oxalis, supply most of them. The leaves are sensitive to the touch, and they either close the leaflets with the superior surfaces together, or the reverse. Oxalis sensitiva, O. Ortgiesii and O. bupleurifolia close downwards. In Mimosa pudica the leaflets close up and the leaf stems fall down. In a very warm house, if the end leaflets are touched very gently, those on the remaining part of the leaf division will close in pairs with great precision. In M. sensitiva the joints or hinges at the bases of the leaf divisions are almost white in color, but when the leaf is in the act of closing this color changes to greenish yellow.

The "squirting cucumber," Echalium elaterium, belonging to the squash family, gets its name from the singular manner in which the seeds are ejected from the fruit. When ripe a slight touch causes the fruit to become separated from the stem, and owing to the violent contraction of the rind, caused by this separation, the seeds are ejected with great force. They are, of course, mixed with the pulp, and if the mass comes in the direction of the investigator the consequences are not altogether pleasant.

T. W. O.

ORCHIDS

Arrived in perfect condition the long-looked for

CHRISTMAS CATTLEYA.

(Cattleya Percivaliana.)

LAGER & HURRELL,

Correspondence Solicited. SUMMIT, N. J.

Mention the Florists' Exchange when writing.

VIOLET CLUMPS

FOR SALE.

Clean and healthy, with lots of runners, at

$3.50 per 100.

C. J. BAHRET, Poughkeepsie, N. Y.

Mention the Florists' Exchange when writing.

MME. SALLEROI GERANIUMS, 2½ in., $2 00 per 100. **Carnations,** summer bloom, 3 in., $3 50 per 100. **Nasturtiums,** strong, 2½ in., tall variety, $2.00 per 100. **German or Parlor Ivy,** extra stroog, 3 in., $2.50 per 100. **Cabbage,** early summer, etc., stroog $1.50 per 1000. **Tomato** Stone and Paragon, stroog plants, 4 to 6 in. long, 75c. per 100; $5.00 per 1000. **Agerntum,** Princess Pauline and the white variety, 2½ in. pots in bloom, $2.50 per 100. **RICHARD INSALL,** West Moorestown, N. J., near Philadelphia.

Mention the Florists' Exchange when writing.

Daisies (Perennis, fl. pl.) Fine large clumps, in bud and bloom, $1 per 100; $8 per 1000. Smaller plants, ready to bloom, 40c. per 100; $2 50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

A Large Share.

We have had an excellent Spring business and attribute a large share of it to the advertising in the FLORISTS' EXCHANGE.

C. L. LONGSDORF.

Floradale, Pa., April 25, 1900.

SCHMIDTS PANSIES Fine, stocky plants, at 50 cts. per 100; $3 50 per 1000. Also a few large plants, in bud and bloom, $1 00 per 100.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing

STRAWBERRY PLANTS Extra Fine well-rooted plants of Brandywine, Glen Mary, Lovett, Marshall, Sharpless and Gandy, at $2.00 per 1000.

GUSTAV PITZONKA, Bristol, Pa.

Mention the Florists' Exchange when writing.

SALVIA SPLENDENS

A fine lot at $1.00 per 100. Cash with order. Sample for 2 cent stamp. Address

H. M. WOUNDY, New Canaan, Conn.

Mention the Florists' Exchange when writing.

PANSIES The Famous Diamond Strain

Over 50 distinct sorts and an endless variety of shades and markings; the best strain of the German type in the world. Fine plants, many in bud, all sorts mixed, 60c. per 100 by mail; $3 50 per 1000 by express; 500 for $2.00; 5000, $15.00. Samples 10c. Cash with order.

L. W. GOODELL, Pansy Park, **Dwight, Mass.**

Mention the Florists' Exchange when writing.

PANSIES

Large, stocky transplanted plants showing bud, from cold frames, 50c. a 100; $3.50 a 1000; 5000, $15.00.

Gerniums, Grant, Hill, Nutt, Pink and La Favorite, all in bud and bloom, 4 inch, $6 00 per 100.

Heliotrope, 3 inch, $3.00 per 100.

Lobelia, in bud and bloom, 2¼ inch, $2.00 per 100.

WHITTON & SONS, Wholesale Florists,

City and Green Sts., Utica, N. Y.

Mention the Florists' Exchange when writing.

PANSIES 10,000 fine, stocky, transplanted cold frame plants, in bud and bloom, Woodbury, Sultan and Zirngiebl strains. $1.50 per 100. Cash.

HENRY A. SMITH, Florist, Plymouth, Conn.

Mention the Florists' Exchange when writing.

PANSIES

The Jennings Strain.

Extra fine stocky plants from cold frames, in bud and bloom, **$1.50 per 100; $13.00 per 1000.** Second size, fine plants, in bloom, **$1.00 per 100.** Cash with order.

E. B. JENNINGS, Lock Box, 254. **Southport, Conn**

Grower of the finest Pansies.

Mention the Florists' Exchange when writing.

Pansies Worth Raising

Small plants all sold.

Now left but flowering plants from field, at $2 00 per 100, and up.

C. SOLTAU & CO., 199 Grant Avenue, **Jersey City, N. J.**

Mention the Florists' Exchange when writing.

PANSIES Funkia, Fulalia, Mist.

Seen needs and exchange offer in previous issues. Good, stroog, field-grown **Pansies,** in large variety, commenced flowering in September, per 1000, $12.00; in October, per 1000, $10.00; for May and June flowering, per 1000, $8.00. Strong seed bed Pansies, $3 50 per 1000. **Eulalia Striata,** $2 per 100. **Mist,** $5 per 100. **Funkia Lancifolia,** $2.00 per 100; $15.00 per 1000. Cash With Order, Please.

W. C. JENNISON, Natick, Mass.

Mention the Florists' Exchange when writing.

DOUBLE NASTURTIUM

A VERY striking, double flowering, trailing plant, especially adapted for vases, window boxes, hanging baskets, rustic boxes, rock work; any place where trailing plants can be used it is indispensable. A free and vigorous grower, and continues to bloom the entire summer; the flowers are 3 inches or more in diameter, and are perfectly double; of a bright yellow, with a rich crimson feathered blotch at the base of each petal. The lovely shade of yellow gives them a charm that few flowers possess, and for cut-flowers, where yellow is wanted, they have no equal.

Strong plants, from 2¼ in. pots, $4.00 per 100: $35.00 per 1000.

CHAS. LIMMER, - Cobleskill, N. Y.

Mention the Florists' Exchange when writing.

FOUR ACRES OF PANSIES!

400,000 Fall Transplanted.

The Best All Round Strain

BECAUSE we grow all our seed, carefully selecting our seed plants from 250,000 or more.

BECAUSE we have been growing and perfecting this strain for over twenty years.

BECAUSE particular attention is paid to form and substance, as well as color and size.

BECAUSE each color is carefully proportioned in the seed beds, making them evenly assorted.

We have Supplied the Best Trade of Boston and Vicinity for Many Years, and Wherever We Have Shipped Them have Received Uniform Good Reports.

AWARDED A FIRST-CLASS CERTIFICATE OF MERIT

By the Mass. Horticultural Society.

PRICE, delivered F. O. B. Boston: Large bushy plants in bloom, per 100, $2.00; per 1000, $20.00. Medium Size Plants, in bud and bloom, per 100, $1.50; per 1000, $15.00. Smaller plants, in bud, per 100, $1.25; per 1000, $10.00.

CASH WITH ORDER, PLEASE.

I. E. COBURN, 291 Ferry Street, **Everett, Mass.**

Mention the Florists' Exchange when writing.

Can You Make Use of

	Per 100
Stocks, Double White, good value	$2 00
Mignonette Machet, strong, 2 in.	1 50
Solanum Capsicastum, 2 in.	1 50
Smilax, strong, 2 in.	1 25
Browallia Speciosa Major, 2 in.	1 00
Carax var., strong, fine for vases, 2½ in.	3 00
Boston Ferns, fine young st'ck, 2½ in.	5 00
Ipomœa, Blue, strong plants, 2 in.	3 00
Ficus, Long Leaved, 3 to 4 shoots	20 00
Aspidistra, to grow on..... 100 leaves	4 50
Asparagus Sprengeri, 2 in.	2 00
Vinca, Trailing, strong, 4 in.	8 00

A. G. FEHR, Belleville, Ill.

Mention the Florists' Exchange when writing.

Farquhar Violets Rooted cuttings, $10.00 per 1000; fr. m 2½ inch pots, $3.00 per 100, $25.00 per 1000. ☞ CASH WITH ORDER.
THOS. F. O'BRIEN, 26 Folsom Street, Roslindale Mass.
Mention the Florists' Exchange when writing.

VIOLETS—Princess of Wales
The only Violet to grow; strong rooted cuttings, $1.00 per 100. 2½-in. pots, $2 00 per 100.
EVENDEN BROS., Williamsport, Pa.
Mention the Florists' Exchange when writing.

Marie Louise or Farquhar Violets
Plants, runners, some rooted, some not rooted; good strong, clean stock right from the clumps; no disease; no black fly. $5.00 per 1000. Cash with order.
JOSEPH MARKLE, Rhinebeck, N. Y.
Mention the Florists' Exchange when writing.

Princess of Wales VIOLETS.
Well-rooted runners, 75 cents per 100.
A No. 1 Stock.
A. K. FAIRCHILD, Whippany, N. J.
Mention the Florists' Exchange when writing.

Violets My Specialty
LA FRANCE,
The best and largest single violet, good-rooted plants, $3.00 per 100; $25.00 per 1000.
PRINCESS OF WALES,
$1.00 per 100; $8.00 per 1000. Cash please.
SEA CLIFF NURSERY, Sea Cliff, L. I., N. Y.
FD. BOULON, PROPRIETOR.
Mention the Florists' Exchange when writing.

ROOTED CUTTINGS
New Imperial Violet
From 2-inch pots; $3 per 100; $25 per 1000.
Satisfaction Guaranteed.
T. G. THRASHER, Avon, Mass.
Mention the Florists' Exchange when writing.

Marie Louise and Lady Campbell Violet
Runners and rooted cuttings now ready. Potted plants ready next month. Good healthy stock. ☞ Write for prices, etc.
J. BENNETT, Violet Farm, Blue Point, L. I., N. Y.
Mention the Florists' Exchange when writing.

MARIE LOUISE VIOLETS
100,000 Rooted Runners for Spring shipments, strong, healthy, A No. 1 stock, $4.50 per 1000.
Cash with order.
L. R. LANE, Babylon, L. I., N. Y.
Mention the Florists' Exchange when writing.

ROOTED CUTTINGS OF PRINCESS OF WALES **VIOLETS**
Exceptionally good stock.
$2.00 per hundred. $15.00 per thousand.
SATISFACTION GUARANTEED.
WM. SIM, Cliftondale, Mass.
Mention the Florists' Exchange when writing.

The New Imperial Violet.
COLOR—The darkest blue grown.
FORM—The largest and most double.
HEALTH—The most vigorous.
PRODUCTIVENESS—An average of 70 blooms per plant last season; this season, from a closer selection, to date averages 88 and still blooming; 95 per cent. of all blooms grade as No. 1.
Send for Descriptive Circular and Prices to
W. L. MINOR,
Originator and Grower of the New Imperial Violet,
BROCKTON, MASS.
Mention the Florists' Exchange when writing.



Rose Growing Near Lake Michigan.

Would some reader of your valuable paper please tell me if it is any harder to grow roses free from mildew near the west shore of Lake Michigan in northern Illinois, than what it is two miles away from the lake? I would be pleased to hear from some of the Chicago shippers on this subject, as to whether it is advisable to put up a range of houses near the lake for roses, also for general stock. A Chicago grower told me one time about 10 years ago that Miller & Hunt used to have trouble on account of being too near the lake. My informant was not a good grower himself, so I did not place much confidence in his statement.

Z. X.

—There is nothing in the story generally accepted around Chicago by growers; although it is a fact that east winds all through the Spring months are very harsh and trying; and a fog or cloud may hang over the near lake shore, when 10 or 20 miles back of the lake the atmosphere may be clear and the wind but little felt. The vast rose and carnation establishments of Bowmanville, the Ridge and on to Evanston, are within a mile or so of the shore—some even nearer. Mr. Collins, foreman for Peter Reinberg, told the writer that he found no difficulty at their point (about one mile from the lake) in keeping roses free from mildew, although he says that formerly, when at Lake Forest, proximity to the shore was thought to be unfavorable.

As to growth of "general stock," by which we understand greenhouse plants generally, we cannot believe there are any objectionable features arising simply from the lake; but there may be, on account of contiguity of smoke, liability of city interference in the use of soft coal, untoward soil conditions, etc. However, a clear, high, dry pure atmosphere, with favorable conditions as to soil, may be obtained more certainly from 5 to 20 miles back of the lake, and are more suitable to the requirements of gardening generally, than those found in the environs of the smoke of a city like Chicago, with 2,000,000 of inhabitants spread along the west shore of Lake Michigan for 20 miles or so. Chicago's climatic and soil conditions are not, and never will be, favorable to a high state of gardening, and every success obtained, must be wrung by combating some untoward features, when compared with many another location in various other parts of the country we wot of. Ess.

Rose "Queen of Edgely," the pink American Beauty, was on April 17 last awarded a silver medal by the Pennsylvania Horticultural Society.

ETHEL CROCKER
30,000 plants, from soil, for April and May delivery. Crocker has filled every claim made for it and is worth a trial by every grower who wants the best pink carnation in the market.
25 for $2.50; 100 for $10.00; 250 for $18.75; 1000 for $75.00.

PANSIES FREYA AND FAIRY QUEEN.
Two good bedding novelties. Transplanted seedlings at $1.00 per 100. A few of my regular strain. Write for prices.

DWARF PETUNIA.
Adonis, carmine, with pure white throat, And **Snowball**, a pure white. They are always in bloom and a good plant for retail.
25 of each for $1.00, or $2.00 per 100, from 2 inch pots.
ALBERT M. HERR, Lancaster, Pa.
Mention the Florists' Exchange when writing.

Extra Fine Meteor Plants.
2½ inch po's, ready now.
Surplus stock from plants, reserved for our own use, at the low price of
$2.50 per 100; $20.00 per 1000.
ADDRESS The Floral Exchange, Inc., Edgely, Bucks Co., Pa.
The home of the Famous New Rose Queen of Edgely Pink American Beauty.
Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS...
and Novelties in Decorative Plants,
Market and 49th Sts., PHILADELPHIA, PA.
Mention the Florists' Exchange when writing.

Send 50c. or $1 For Samples And Prices Of
ROSES You may want this Spring. American Beauties, Brides, 'Maids, Perles, Kaiserins, Woottons, La France, Belle Siebrecht, Golden Gate.
We believe in shifting Young Roses often. All stock offered in 2½ inch pots has been shifted from 2 inch and is equal to most stock advertised as 3 inch and when we send it out is well-established.
Write GEO. A. KUHL, Pekin, Illinois.
Mention the Florists' Exchange when writing.

BRIDES AND 'MAIDS
2½ inch, ready for a 3 inch shift.
$3.00 a 100; $25.00 a 1000.
CASH WITH ORDER.
J. B. HEISS, The Exotic Nurseries, Dayton, Ohio.
Mention the Florists' Exchange when writing.

IF YOU NEED ROSES
Send us your list for prices.
THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.
Mention the Florists' Exchange when writing.

VIOLETS, Marie Louise 10,000 Rooted Runners, $5.00 per 1000.
2000 Clumps, $4.00 per 100, ready for delivery after May 1st. Cash with order.
DEAN & PARSE, Summit, N. J.
Mention the Florists' Exchange when writing.

ROSES
Extra Strong Stock, from 2½ in. pots.
Splendid Assortment of Hardy Sorts.
Send for Price List.
JACKSON & PERKINS CO., Newark, New York.
Mention the Florists' Exchange when writing.

ROSES—50 Varieties
Send your list for prices.
GERANIUMS Well-established, in 2½ in. pots $3.00 per 100; $25.00 per 1000. La Favorite, Peach Blossom, Marg't de Layres, Gen. Grant. We have 25 other good varieties, mostly double. If you leave selection of kinds to us, $2.50 per 100; $20.00 per 1000.
Baby Primrose, 2½ in. in bloom, $3.00 per 100; $25.00 per 1000.
Asparagus Sprengeri, 2½ in., $3.50 per 100; $30.00 per 1000.
Double Petunias (mottled), 2½ in., $3 00 per 100.
Mooanlue, 2½ inch, $3.00 per 100.
Fern N. Cordata Compacta, 2½ in., $4 00 per 100.
JOHN A. DOYLE CO., Springfield, Ohio.
Mention the Florists' Exchange when writing.

SPECIAL NOTICE
The unprecedented demand for the new and beautiful
ROSE LIBERTY
Has made it necessary for us to announce all stock for March delivery has been sold and orders hereafter will be taken and filled in their order of receipt, until further notice. To be sure of any of this stock for April and May delivery it will be necessary to order early. One quarter of the stock is controlled by us and no one has authority to sell in the New England States except by our permission.
Prices are as follows: Best stock grown.

Own rooted Plants, 2½ in. pots.	
12 plants	60 cts. each.
25 "	50 "
50 "	30 "
100 "	25 "
1000 "	20 "
Grafted Plants, 2½ in. pots.	
12 plants	75 cts. each.
25 "	60 "
50 "	50 "
100 "	40 "
1000 "	35 "

EDMUND M. WOOD & CO., Natick, Mass.
Near BOSTON.
Mention the Florists' Exchange when writing.

PHILADELPHIA ROSES Strictly first-class stock out of 2½ inch pots.
American Beauty, Kaiserin.
MYERS & SAMTMAN, Chestnut Hill, PHILA.
Mention the Florists' Exchange when writing.

BRIDESMAID AND BRIDE. Ready now in 2¼ inch pots, in exceptionally fine quality.
Strong, clean and healthy. Send for samples.
STEPHEN MORTENSEN, Southampton, Bucks Co., Pa. Near Philadelphia.
Mention the Florists' Exchange when writing.

GRAFTED ROSES.
Strong Kaiserins, 2½ inch pots, ready now, $12.00 per 100. Brides and 'Maids, all sold. Several thousand Kaiserins, Brides and 'Maids, 2½ inch pots, own roots, ready now, $4.00 per 100; $35.00 per 100.
CHRYSANTHEMUM Major Bonnaffon, 2½ inch pots, $3.50 per 100.
CASH FROM UNKNOWN PARTIES.
S. J. BUNTING, Elmwood Ave. and 58th Street, Phila., Pa.
Mention the Florists' Exchange when writing.

60,000 WINTER FLOWERING ROSES
GRAFTED AND ON THEIR OWN ROOTS
SEND FOR PRICES
J. L DILLON, BLOOMSBURG PA.
Mention the Florists' Exchange when writing.

300,000 FINE YOUNG ROSES
From 2½ Inch Pots.
40,000 FINE LARGE TWO-YEAR-OLD ROSES.
FULL GENERAL STOCK.
Write for list. THE NATIONAL PLANT CO., Dayton, Ohio.
Mention the Florists' Exchange when writing.

PAMPHLETS RECEIVED

AMERICAN CARNATION SOCIETY.—Report of ninth annual meeting held at Buffalo, N. Y., February 15 and 16, 1900. The society's report this year embraces 146 pages. In addition to a stenographic account of the proceedings, and the essays read, it contains a list of new carnations registered 1899-1900, together with the full membership. The pamphlet is, as usual, full of interest for all carnationists.

The next annual meeting of the society will be held in Baltimore, Md. The officers are: President, Robert Halliday, Baltimore, Md.; vice-president, William Weber, Oakland, Md.; secretary, Albert M. Herr, Lancaster, Pa.; treasurer, Fred. E. Dorner, Jr., Lafayette, Ind. Executive Committee, above-named officers and Wm. Scott, Buffalo, N. Y.; C. W. Ward, Queens, N. Y., and William Swayne, Kennett Square, Pa.

The Orchid-Flowered Cannas.

Editor Florists' Exchange.

We have read with the greatest interest the various opinions expressed by different correspondents on our Italian (orchid-flowered) cannas, in your issues of March 3, 10 and 24, from which it seems that there are two opposite opinions on the subject. As to ourselves we confess that we still belong to those who are convinced that the true orchid-flowered cannas, Italia and the like, are sterile. We think that the subject is important enough to be ventilated from more than one point of view. We do not think G. W. O. was justified in his statement, plainly declaring as a humbug our remark that the process of obtaining our Italian cannas was far from simple. Now, in return, we would simply put him this question: How is it that in spite of all the attempts made in many countries by most intelligent growers to obtain the same race by hybridization, none has yet succeeded? Before pronouncing it a humbug G. W. O. ought to have experimented with this race of cannas, as H. O. justly observes in your issue of March 10. The eminent botanist, and good friend of ours, M. Ed. André, editor of the Revue Horticole, expressed his opinion to the effect that the creation of the first series of orchid-flowered cannas might simply have been due to a happy accident, and that it would be difficult to continue experiments in that line with the same success. Now, this is fortunately not the case, as in the meantime we have succeeded in obtaining new kinds; but it is a proof that M. André himself thought the operation very difficult.

We have read with much interest Messrs. Howard & Smith's report that a successful cross, Italia × Mme. Crozy, has been made, and hope we may have an opportunity, later on, to know their seedling. DAMMANN & Co.

Naples, Italy.

Among the Magazines.

SCRIBNER'S MAGAZINE for May contains four illustrated articles that are unusually informing in regard to events and questions of contemporary importance. The leading article on "Some Pictnresque Sides of the Exposition" is both written and illustrated by the artist, E. C. Peixotto. He has spent a number of months in Paris recently, and these drawings give an artist's impression of the very picturesque group of buildings which will be soon crowded with visitors from all portions of the world. There is also a discussion in the Field of Art on "Formal Gardens and Small Parks," by Montgomery Schuyler.

Suburban Delights.

"Does your wife take to horticulture, Billy?"

"Yes, indeed; she gets out every nice day with the hoe and chops the head off something I've planted."—Chicago Record.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

OF CARNATIONS.

Both new and old varieties at lowest prices for good stock. Special rates on orders booked for future delivery. Satisfaction or money refunded. Send for price list.

GEO. A. RACKHAM, 880 Van Dyke Avenue, DETROIT, MICH.

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS.

Wm. Scott.....per 1000, $10 00
Maude Adams.....per 100, 3 50

☞ Unrooted at half price.
☞ Write for prices on large lots.

CLOTHILDE SOUPERT ROSES,

3 years, field-grown, $8.00 per 100.

CHARLES LENKER, Freeport, L. I.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

CARNATIONS.

Triumph.....$1.50 per 100
Victor..... 1.50 "
Flora Hill..... 1.50 "

First-class cuttings, grown cool and well rooted. Cash with order.

GEORGE R. GEIGER, - Nazareth, Pa.

Mention the Florists' Exchange when writing.

Mrs. Fisher Carnation

The best for summer flowering, strong, healthy plants, from cold frame, $1.50 per 100; $12.50 per 1000.

CASH WITH ORDER.

R. J. GARDNER, Bayside, L.I., N.Y.

Mention the Florists' Exchange when writing.

Rooted Cuttings of New and Standard

CARNATIONS.

SEND FOR PRICE LIST.

WM. SWAYNE, Kennett Square, Penn.

Mention the Florists' Exchange when writing.

LATE PRICES FOR

Carnation Cuttings.

Most of these cuttings are ready for planting out into the field, and prices quoted are for the purpose of cleaning up the stock quickly and are for cash with the order only. Money will be returned the day received if varieties wanted are all sold.

FLORA HILL, DAYBREAK, TRIUMPH, MAYOR PINGREE	$1.25 per 100; $10.00 per 1000
WILLIAM SCOTT	$1.00 per 100; $7.50 per 1000
MRS. F. JOOST, GOLD NUGGET	$1.50 per 100; $12 50 per 1000
MACEO, GOMEZ, AMERICA	$4.00 per 100

IRIS MILLER, an immense large salmon, brought $1.50 per dozen for Easter.

ELSIE FERGUSON, a deep, burnt-orange salmon, very novel and effective.

LESLIE PAUL, a deep pink or red, the best of its color, and alone worth the price of the three.

All strong cuttings ready for planting out, at the low price of
$5.00 for 100 of each of the three,
$2.50 for 50 each of the three, or
$2.00 per 100 for any one of the varieties.

PANSIES from cold frames, in bud and bloom, $1.50 per 100; $12 50 per 1000. Freya and Fairy Queen, two bedding novelties, $1.00 per 100.

PETUNIAS Adonis, red; Snowball, white; the two best dwarf varieties for bedding, from two inch pots, at $2.00 per 100; 25 of each for $1.00.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

NEW CROP **WINTER-BLOOMING**

Carnation Seeds!

Hand Fertilized, 25c. per 100. Cash with order.

AMERICAN ROSE CO., Washington, D. C.

Mention the Florists' Exchange when writing.

LAST CALL ON

HARDY PINKS.

Only a few thousand left at a reduced rate. Strong cuttings from cold frames that can be lined out in open, 60 cts. per 100, postpaid; $5.00 per 1000.

Her Majesty, Alba Fimbriata, Earl of Carlisle, Brunette, May, and Laura Wilner, in quantity.

Double Petunias Strong stocky plants, from 2 in. pots, best sorts labeled, a large proportion of white and light varieties, $2 50 per 100. $22.50 per 1000.

Madeira Vine Roots Strong, plump tubers, 50 cts. per 100; $4.00 per 1000.

SATISFACTION GUARANTEED.

A. B. DAVIS & SON, Purcellville, Va.

Mention the Florists' Exchange when writing.

LOOK HERE!

Strong Carnation Cuttings

FROM FLATS.

John Young, Genesee, $2 per 100; $18 per 1000.

Firefly, John's Scarlet, Flora Hill, Daybreak, Storm King, Helen Keller, Albertina, $1.50 per 100; $13.00 per 1000.

Scott, McGowan, Portia, $1.25 per 100; $10.00 per 1000.

250 at 1000 rates. CASH WITH THE ORDER

ALSO A FULL LINE OF BEDDING PLANTS.

JAMES E. BEACH, Box 776, **Bridgeport, Conn.**

Mention the Florists' Exchange when writing.

WM. MURPHY,

Wholesale Carnation Grower.

Sta. F., CINCINNATI, O.

Mention the Florists' Exchange when writing.

Wm. Scott Carnation

Out of soil, $1 per 100, or $10 per 1000.
Melba, out of soil, $1 per 100, or $10 per 1000.
Victor, $1 per 100, or $9 per 1000.
Flora Hill, $1.25 per 100, or $10 per 1000.
General Maceo, $4 per 100, or $35 per 1000.
Mayor Pingree, $1 per 100, or $9 per 1000.

Cash with order.

CARL E. TAUBE, Trenton, N. J.

MERCER FLORAL CO.

Mention the Florists' Exchange when writing.

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Price, doz., $2.00; 100, $10 00; 1000, $75.00.

Can also furnish all of the big new ones at Introducers' prices, as well as the best standard varieties.

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FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO., LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00.
Payable in advance. The date on the address label indicates when subscription expires.

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BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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Firms Who Are Building.

BANGOR, ME.—Carl Beers contemplates the erection of two greenhouses in connection with his branch store at Houston.

SUMMIT, N. J.—Lager & Hurrell will build a house, 150x25 feet, for orchids.

HARTFORD, CONN.—Arthur J. Pike is to erect another greenhouse, 100x20 feet, for carnation growing.

MARLBOROUGH, MASS.—F. B. Gleason recently added another greenhouse, 50 feet in length.

PLANTS and FLOWERS.

DOUBLE NASTURTIUMS.—Charles Limmer, Cobleskill, N. Y., sends us a bunch of perfectly double nasturtiums, of a pale yellow color, slightly streaked with carmine. The flowers are of good size and seem to be of the variety Tropæolum grandiflorum plenissimum.

Society of American Florists and Ornamental Horticulturists.

DEPARTMENT OF PLANT REGISTRATION.

John H. Dunlop, Toronto, Ont., registers rose "Lady Dorothea," a sport from "Sunset," originated with Mr. Dunlop in the Spring of 1895. Color, outer petals deep peach; pink to Indian red at base; inside, soft flesh color, deepest in midwinter. Other characteristics, as to color, vigor of growth, etc., identical with the parent, but omitting the objectionable feature of malformed buds at any season of the year. Can be disbudded to center bud, which is always perfect.

Lager & Hurrell, Summit, N. J., register Cattleya labiata "Mrs. W. C. Squires." Flowers large, sepals and petals broad and massive; of a dark rosy mauve. Lip very large with fringed margins, the expanded portion crimson purple, posterior part stained with straw buff and crimson purple. The unusual flowering season of this variety is due to the plant having been imported late in Fall.

WM. J. STEWART, Secretary.

The American Rose Society.

The schedule of premiums for the first Summer exhibition of this society has been issued. The show will be held in the Winter Garden of the Eden Musée, New York City, June 12, 13 and 14 next. There are 34 classes, 26 of which are open, one for Rambler rose, four for private gardeners only, and three for amateurs, in all of which substantial money prizes are offered, besides seven other classes, the premiums in connection with which are silver cups, and include the following. The awards in the latter classes are to be made the second day of the exhibition, unless where otherwise specified:

The Stoeckel Cup, valued at $100, offered by Carl Stoeckel, Esq., for the best 36 plants of hardy garden roses, in pots, in not less than 12 varieties. (To be staged the first day.)

The Henderson Cup, valued at $50, offered by Peter Henderson & Co., for the best display of roses grown in the open ground in not less than 72 blooms.

The Joline Cup, offered by Mrs. A. H. Joline, for the best vase of La France roses, not less than 36 blooms. (To be shown in exhibitor's own vase.)

The Sturges Medal, offered by Mrs. S. S. Sturges, for the best vase of Lamarck rose.

The Wood Prizes, offered by E. M. Wood, Esq., for blooms of Marechal Niel rose. Two prizes—for best 50 blooms, $30; for best 25 blooms, $15.

The Siebrecht Prizes, offered by Siebrecht & Son. First day, best plant of Belle Siebrecht, $2; second, $1. Second day, vase of Belle Siebrecht, first, $3; second, $2.

The American Rose Society's preliminary certificate of merit will be given for 12 or more blooms of any rose, in any class, not yet in commerce. A rose taking a preliminary certificate of merit is eligible to be entered at future exhibitions of the society for a final certificate, gold or silver medal.

Suitable awards will also be given to all meritorious exhibits, not included in the schedule. Honorary exhibits are respectfully solicited.

The schedule specifies that "all exhibits must bear the name of each variety properly attached. The judges will not consider any variety not so labeled."

Copies of the schedule and any further information desired anent the exhibition can be had on application to Secretary Leonard Barron, 136 Liberty street, New York. Mr. Barron informs us that all indications point to a very successful show. Entries are already coming in, and he feels confident that an equal, if not a greater, enthusiasm in the June show, as attended the March exhibition will be manifested.

Intending exhibitors should send their entries to the secretary at least 24 hours before the opening of the exhibition.

The Quebec Horticultural Society, at its annual meeting held April 9, elected the following directors for the ensuing year: Sir James LeMoine, Hon. Richard Turner, A. Rhodes, Frank Carrel, E. F. Wurtele, E. Doucet, R. Campbell, J. Verret, J. T. Ross, F. W. Ross and G. G. Stuart. At a subsequent meeting of the directors John T. Ross was elected president and R. Campbell secretary.

New York Society of Horticulture.

As will be seen by our report in another column, initiatory steps were taken Saturday last, April 21, looking to the institution of a society of horticulture for New York City. The attendance at the meeting held at the Bronx Park Botanical Garden comprised in large part men who had seen similar organizations rise, and, for one reason or other, pass out of existence in the metropolis, and who, feeling the need of a body such as is proposed to be established, were ready to lend their assistance in its formation.

As explained by Dr. Hexamer, New York City has its various organizations devoted to gardening and floricultural interests, each working along its own special line, and while these bodies are necessary and play an important part in the general advancement of horticulture, there is room for a much needed society, the work of which would be more in the way of educating the masses in matters relating to horticultural subjects—something that the limited scope of the existing organizations precludes. The fact, too, that such representative florists and seedsmen as Messrs. Henderson, May, Manda, Don and Siebrecht are all more or less interested in the establishment of the new society, is abundant proof of the necessity of its creation as that exists in the minds of the trade, and with the backing of such a potent institution as the New York Botanical Garden there surely should be no such thing as failure.

The educational force of the Garden can yet be but faintly appreciated; but the foundation already laid in the elaborate Museum and the grand horticultural structures in course of completion impress one with an idea of its future immensity. And if that education can, through the establishment of the New York Society of Horticulture, be conveyed to the people generally, who can measure the resultant good to the trade, the city, and the nation?

There is no earthly use of holding up eternally before us the spectre of defunct associations of a character similar to the one in course of formation. All that need be remembered regarding these are the pitfalls that beset their path and into which they stumbled; and these, too, only to be thought about as future guides. The horticultural aspect of the times has changed since such bodies were in operation; the people's love for flowers and plants has kept on increasing yearly, until now as a flower-buying public we stand in the forefront among the nations of the world. Therefore the need for horticultural education is far greater now than existed at a more remote period, but up to within recent times this education in New York City has not received the attention it has deserved, nor has it been commensurate with the needs of the citizens; and it is really astonishing that with existing conditions our trade development has been so marked—a phenomenal testimony, surely, to advancement in the face of great impediment. With this want now more fully supplied, is it not natural to suppose that the next decade shall see a still further progress, in extent unparalled in our business?

We hope the promoters of the new society will start on a broad foundation and endeavor to draw to the association's support men who will at once give it a dignity and standing among the educational institutions of the country. As was wisely stated by Mr. Berckmans, commercial men are just as essential for the carrying on of the society's work as the millionaire amateurs are for the filling of the treasury, and this fact, we feel sure, will not be lost sight of.

It may be urged that for the holding of meetings and exhibitions the buildings in the Botanical Garden at Bronx Park have the disadvantage of being located too far from the center of the city to allow of any extensive attendance of the general public. Probably that is so for present-day needs, yet the wonderfully large gathering at a lecture on "Spring Flowers," delivered in the hall of the Museum Building on Saturday last, goes far to prove that that fear even now is unfounded. Then, too, the city is extending with rapid strides in the direction of the Garden; and just think of it, Dr. Hexamer, 50 years ago, used to go botanizing in the fields immediately beyond Canal street! Perhaps in selecting the Botanical Garden for the purposes mentioned, the members of the new society, as the years pass, will confess that "they builded better than they knew."

With, then, capable, energetic and representative men as officers and council, men with whom selfish interests and self-aggrandizement are subordinate to the general welfare of horticulture, combined with the support and encouragement of New York's best citizens, and under such favorable auspices as are likely to be afforded, there seems to be no good reason why the proposed society should not be other than a grand success, in the consummation of which the florists' trade can render very valuable assistance, and that we urge upon it to do, for its own sake, both by affiliation and otherwise, as in its power lies.

There is one thing however, that appears to us necessary, in order to give the society the stamp of actual reality of what it is intended to be, viz.—that amateur horticulturists be elected to the various offices, with a goodly sprinkling of such parties on the council. The impression should not get abroad, that the new society is but another trade organization because of trade men or those having trade interests occupying the places of honor in its executive workings. We believe that greater success will be accomplished so far as drawing in the masses is concerned, when it is known that amateurs, more than others, are to be the beneficiaries under the society's operations.

Bait Not Tempting Enough.

There are several ways of running the business end of a newspaper, not the least unique of which is the one just brought to our notice by Mr. Joseph Heacock, of Wynecote, Pa. As is well known to our readers Mr. Heacock is a very successful grower of American Beauty roses. Recently he received from a paper named, "The Southern Review of Commerce," a cut-and-dried editorial mentioning his status as a rose grower, telling he had plants of Beauty for sale, and purporting to have been written in reply to many inquiries on the subject of American Beauty roses generally arriving at the office of the paper in question. The article referred to was submitted for approval, with the assurance that the Review never makes "mention of concerns that are not worthy of commendation." Just by way of information the editor throws in a few side remarks in his letter of submittal, informing Mr. Heacock of the graded prices at which he can secure specified numbers of copies of the Review for distribution; or, if preferred, the paper will mail the copies to interested parties known to it, "making no charge for postage, marking, addressing, wrapping, etc." But whether any copies were wanted or not the article O. K.'d was, and the editor so stated.

With such a complimentary notice paid to him, and the other etceteras thrown in gratis, many would have been tempted to venture in. Not so Mr. Heacock; he simply incloses the correspondence and editorial in an envelope and forwards these to the EXCHANGE office, with the meaning remark: "Evidently the fools are not all dead, or it would not pay these people to throw out such bait."

OBITUARY.

John Breitmeyer.

John Breitmeyer, one of the veteran florists of Detroit, Mich., and head of the firm of John Breitmeyer & Sons, died at his home in Mt. Clemens on Sunday morning, April 22. A sketch of Mr. Breitmeyer's exemplary career appeared in our issue of March 25, 1899. He was pre-eminently a self-made man. Coming to this country as an emigrant, poor, but desirous of bettering himself, he succeeded in accumulating a competency and built up a business as a florist equaled by none in the state. His life was a simple one, with no ostentation, and his chief delight was to meet a few friends for a social chat. His was an open, sunny nature and his friends were many, for none knew him but to love him. The remains were interred at Mt. Clemens on the 24th inst., the Detroit Florists' Club attending the funeral in a body—some 50 in number. Mr. Breitmeyer was 65 years of age. The cause of death was pneumonia.

R.

Steen Edwards.

Steen Edwards, a florist of Bridgeton, N. J., died at his home April 24, aged 90 years. He leaves eight sons.

Deceased was a native of Denmark.

New York.

The Market.

The cut flower business has fallen so flat this week that it is almost impossible to quote prices upon anything. Flowers of all kinds are coming in abundantly, and the demand for them is so limited that plenty of stock remains in the hands of the dealers from day to day. Roses particularly have suffered in value, and left-over stock can be had at almost any figure. Fresh top grade Beauty bring about 15c. each; the same grade of Bride and Bridesmaid, 6c. each, with all other grades in proportion. The demand is so light, however, that many have to be kept over, consequently they do not realize anywhere near the price asked for them when fresh.

The same conditions prevail with Brunner and Jacq.; very nice medium length flowers of the former variety are obtainable at $3 per 100.

Carnations also have been very draggy; fancies have got down to $3 per 100; standard sorts bring from $1 to $2, with common and ordinary stock at 75c.

Violets may be said to be over for this season; that is, so far as selling them at a profit is concerned. Trailing arbutus is now on the market, and with this, and the extreme cheapness of roses and carnations, the street peddlers have thrown down violets, refusing to handle them altogether unless they are to be had at prices that would not pay for the picking. Dealers are advising the growers to cease shipping, but as yet the advice has been unheeded, and thousands of violets are coming to the city daily. It is impossible to unload the most of them at any price.

Cattleyas have got down to 30c each. Valley is somewhat scarce, and the best brings from $2.50 to $3 per 100. Lilies are too plentiful altogether for the demand, and have to be sold at any price to get rid of them before they spoil. Harrisii can be had at $2 per 100; longiflorum, of the best, go at from $3 to $3.50.

Freesias, daisies, stocks, pansies, gladiolus, cornflowers, snapdragon and asters are all now to be had in the market. The asters as yet, though, are all of the purple varieties.

Among the retailers business is very satisfactory. Many prominent weddings are taking place and decorations for the same are quite lavish. Palms and flowering plants are being used extensively in combination, and the abnormally large quantity of the latter now obtainable is no doubt the reason, to a great extent, why the cut flower trade has been so dull of late.

Is It a Myth?

We are still receiving inquiries relative to the so-called "Florists and Gardeners' M. & B. Association" that is to hold an alleged festival and reunion at Woodlawn Park, on Monday, June 11. Seeing that the affair is said to be a reunion, one would presume that the society was of old standing. We found on inquiry at Woodlawn Park that the grounds had been engaged for that date by an association bearing the name as above; but on going to the address given by the contracting party, which, by the way, is in Brooklyn, we were unable to discover any one connected with any such organization. It is also noticeable that the receipt given for money paid for space in the alleged Souvenir of this association bears no address. The receipt is signed "Frank Sieman, Sec'y," while the contract engaging the park bears the signature "Edward Davis, Sec'y." We give these facts so that our readers may be on their guard, and we again advise that full investigation be made of parties soliciting either subscriptions or advertisements in aid of this so-called charitable movement, as after careful inquiry, both in New York and Brooklyn, it is quite evident to us that the trade knows nothing of the association in question.

Brevities.

G. E. Bradshaw is having a new ice-box built in the rear of his store.

Wadley & Smythe have secured large contracts for supplying plants, etc., to the Pan-American Exposition, at Buffalo.

J. Roehrs received, through A. Dimmock, agent for Sander & Co., England, a consignment of bay trees, numbering 500, a few days ago.

Last Sunday occurred the death of Mrs. L. Schiller at her home, 410 Sumner avenue, Brooklyn. The deceased was the wife of Mr. Ludwig Schiller, seedsman, 404 East 34th street, this city. The funeral was held on Wednesday, at Hagerstown, Md. Mr. Schiller has the sympathy of the trade in his sad bereavement.

H. Bnyersdorfer, of Philadelphia, sailed Wednesday, on the St. Paul, for Europe, to visit the Paris Exposition.

A. Rölker & Sons have moved their business to the second floor of the same building, where they are located—52 Dey street.

Suzuki & Iida contemplate moving from the Bowling Green Building to the floor vacated by Rölker & Sons.

Boston.

Trade News.

Quite a falling off in business has been experienced the past week. Good roses are in abundant supply, but the quality is not up to the standard, showing the effect of the warm weather; the flowers are smaller, those of the colored kinds being bleached out a little. American Beauty are very plentiful, and move slowly, at prices ranging from $3 to $25 per 100. Brunner, though in supply sufficient to meet the demand, are not so plentiful as they have been, and about equal prices rule their sale as for Beauty. Bride and Bridesmaid are very plentiful, and are favored with quite a demand for grades suitable for funeral work.

Carnations, too, have become very plentiful and prices have taken a decided drop. Choicest quality of ordinary sorts in limited supply bring $2.50; fancies fetch $3 and $4, while there are quantities that sell for $1, $1.25 and $1.50. There are prospects of these values dropping before this paper reaches its readers.

Bulbous stock is still too plentiful, the general quality also being poor. Lilies are quite plentiful and move rather slowly. Valley is in over-stock and fetches from $1 to $3 per 100.

Violets are in good supply, but the quality is declining. Mayflowers are received every day now, in large quantities, and have partially supplanted the violet.

Jottings.

The Horticultural Club held its regular meeting on Thursday evening, James Comley presiding.

The Calder Floral Co. has closed up its store at 396 Boylston street, where it had moved but recently from further down the street. F. J. N.

St. Louis.

Market Notes.

Trade among the retail men seems to have been good, bad and indifferent the past week. We have as yet failed to hear any complaint as to Easter business, so it can be put down as having been the best on record. The quantity of stock has increased very materially the past week, and prices in consequence have gone down. In large lots roses have been sold for $25 per 1000; top price is 8c. for the best in small quantities. There is a large over-production of Daybreak carnations just now; in bulking them off they go as low as $10 per 1000, the best still bring 2c. to 4c. Beauty are quite plentiful, at $4 per dozen down to 20c. each. There are a good many belated longiflorum in now, that are sold as low as $10 per 100. Violets are on the wane, though a few still come in that sell for 40c. per 100.

Club Meeting.

A regular meeting was held last week, the attendance being rather small; but enthusiasm was large. Among other things it was decided that the club offer a prize of $10 for the best vase of cut flowers, no kind excepted—they can be roses, carnations, sweet peas, or any thing. This money will be divided into two or three prizes, and an interesting show is expected. The club also decided to have another show next Fall. There is some talk of mingling or combining it with a fruit and horticultural show, but just how has not been determined as yet. J. J. Beneke was elected general manager with F. H. Meinhardt assistant. Mr. Beneke announces that he will use the same committee as last year to help him. A lengthy discussion as to the advantages, if any, of own root over budded roses was indulged in, and will probably be continued at the next meeting, as no conclusion was reached.

The surplus or profit of the euchre party, amounting to $72.75, has been turned over to cash on hand belonging to last Fall's show—same will now be paid to premium takers at once, and the affair closed up.

Notes.

Fred. Amman, president of the Florists' Club, was recently elected an alderman in his town—Edwardsville, Ill. Quite a little jollification was indulged in after the meeting at Fred's expense. S.

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EASTER TRADE REPORTS.

NEWARK, N. J.—Trade during Easter was very good, all kinds of plants sold well, especially lilies. Cut flowers, excepting violets, were not so much called for. Business was over that of other years.—B. & G.

KINGSTON, N. Y.—Easter trade was all we expected. Prices were about same as last year. A large number of plants were sold—hydrangeas, Crimson Rambler roses, hyacinths, valley and lilies, the latter being most in demand, both in potted plants and cut flowers, with roses, carnations and violets next.—V. B. & SON.

BINGHAMPTON, N. Y.—Easter trade in cut flowers was a little better, but in plants, except azaleas and lilies, it did not equal last year's. The old cry in this town is that cut flowers are too dear to handle with any margin, and they are therefore let severely alone, most of us being satisfied to sell only what we raise ourselves; and on the whole the florists seem satisfied and think profits are ahead of last year.—J. B. L.

KANSAS CITY, MO.—The demand for potted plants of the higher classes was exceptionally good. Lilies all went; as to their quality they were rather below par. The cut flower trade was about the same as last year's, the call being for Beauty, Bride, Bridesmaid and Meteor. The supply was about right. Violets were fine and sold easily. Tulips were plentiful and in great demand, especially for pink and red colors; no yellows were wanted. On the whole the plant trade advanced 20 per cent. and cut flower trade about 10 per cent.—D.

OGDENSBURG, N. Y.—Easter trade was about 20 per cent. better than last year's. In cut flowers roses, carnations, lilies and violets were in great demand. Prices were about the same as last year. Bulbous stock sold fairly well. In plants azaleas and lilies were the leaders; hyacinths and daffodils in pots and pans sold fairly well. Some nice plants of bougainvillea went well, also fancy pelargoniums and pans of pansies. The weather on Saturday was about as bad as could be—snow, rain and wind—which made lots of extra work in delivering plants, and no doubt kept many buyers at home.—L.

MINNEAPOLIS, MINN.—Easter trade was the best ever known here; sales were about 20 per cent. above last year's. Cut flowers and blooming plants were plentiful, but on Saturday afternoon lilies were all sold. Hyacinths, azaleas and spiræas sold well, next to lilies. Hydrangeas went rather slow—prices were rather higher than last year. In cut flowers carnations and violets were most in demand, scarce, and of poor quality. Roses were more plentiful and of good quality, and found ready sale. Roses sold at from $1.50 to $2 per dozen; carnations, 75c. to $1; tulips and daffodils, 75c.; violets, $2 per 100; lilies, 25c. per flower and bud.—E.

LYNN, MASS.—Easter trade for 1900 was the best that has been experienced for some years. Everything in the shape of plants and flowers sold out clean, and more lilies could have been disposed of. Moderate-priced plants were in great demand. Lilies sold at from 15c. to 20c. Carnations, as usual, took the lead—not near enough to go around. Wholesale prices were too high for the florists to stock up much, 60c. to 75c. per dozen was the ruling price, with a few fancies at $1 to $1.50. Violets also sold well; roses in limited quantities. No novelties were seen. Church decorations do not amount to much, and seem to be getting cheaper every year. Funeral work has been very good, rendering it hard to get stock enough to fill orders before Easter.—J. L. M.

DENVER, COL.—Easter trade just past exceeded that of former years. All florists report a general increase, some as high as 30 per cent. Plants, of course, took the lead. Lilies were scarce, although the Park Floral Co. were well supplied, they having the best in town and sold out clean early Saturday. Spiræas, too, went well, but were a little in oversupply. There was a good call for large pots of lilies, baskets of hyacinths, marguerites, in fact, anything made up that was showy. There were a few good lilies in town which sold readily. As to cut flowers I can hardly say what the trade would have been had the weather held out. They were going very fast till we were struck by a bad rain and snow storm, which started in about 3 o'clock Saturday, and continued till noon Monday. It looked a little blue Saturday night, but the orders were in for delivery, and Sunday turned out a fairly good "flower day" notwithstanding the severe storm. Beauty and violets had the call. What little stock was left over went on Monday. Altogether we have had a good Easter and no reason to complain.—DENVER.

BRIEFS FOR BUSY FLORISTS.

CARNATIONS that are on the benches and are expected to remain there through the Summer and furnish a supply of flowers, will need some attention about now. The plants ought to be gone over and relieved of all decayed leaves which will be found around the bottom; and where wire supports are not used the straggling shoots should be tied up. After this is done the surface of the bed can be reached easily. This should have a thorough cleaning and all weeds or moss removed. A good sprinkling of lime over all of the surface should then be applied. Besides being a good fertilizer the lime will keep down snails, which usually commence operations about this season. A mulch of well-decayed manure should then be put on, or, if that is not at hand, manure in liquid form should be given about once every week or ten days. A very light shading should also be put on the glass—just enough to break the full force of the sun; any more than that will shade too much and result in weak, sickly growth.

HYDRANGEAS—If the cuttings for next year's plants have not yet been taken now is the time to do so, and that as soon as possible. Any that have flowered and remain unsold can be stored away under a bench, or in a shed, until the middle of May, when they may be planted outdoors, remaining there until the Fall, being sure to lift and pot them before frost comes, as they force very poorly if touched by frost, although a few degrees does not kill them outright. The hydrangea has come to be used largely as a Decoration Day plant of late, and as no undue forcing is required to have it in on that date, complaints about the lasting qualities of the flowers are seldom heard. Plants showing the bloom now will be just about right if kept moderately cool. An occasional watering of liquid manure will add to the size of the flower heads.

CUTTINGS may yet be taken of such plants as salvias, coleus and verbenas, which will make nice stock for planting in filling any later orders that may come in.

BATCHES OF GLADIOLI AND TUBEROSE BULBS should be planted now in favorable locations. Put the bulbs well in the ground—3 inches deep is none too much for them.

HELIOTROPES AND FUCHSIAS should have their last potting this week.

NASTURTIUMS—The main lot may now be sown; these are best two or three in a small pot, though they transplant fairly well from flats when not allowed to become too large.



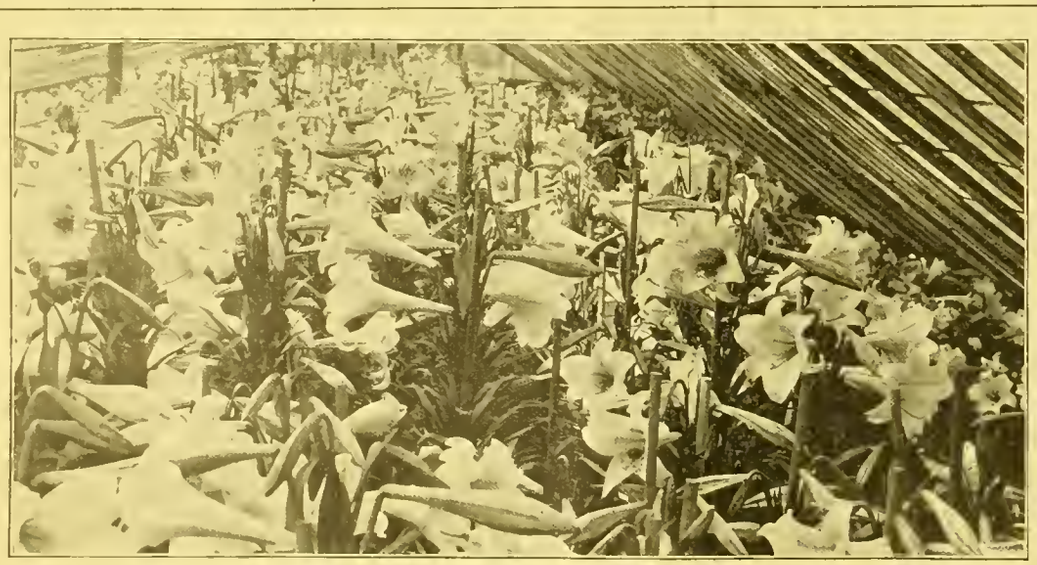
Display of Darwin Tulips.

Shown by Krelage & Son, at Quinquennial Bulb Exhibition, Haarlem, Holland.
(See page 432, issue of April 21, 1900.)

Rot of Cuttings.

Editor Florists' Exchange.

In the Question Box of the FLORISTS' EXCHANGE, of February 10, appeared a query concerning the rotting of geranium cuttings. One cause of failure not mentioned in the answer, which probably covered the case in point, is, that the cutting bed is not properly drained and aerated. The best bottom for a cutting bed, in the writer's experience, is made of narrow, flat tile laid close together. No matter how close the tiles fit excess water soon makes channels between them and drains off. When watered the bed should be drenched, a process that will drive spores of damping-off and other fungi down through the sand and out at the bottom. The excess water will pass quickly out, leaving the bed well aerated and properly moist—not too wet. By this practice the loss of cuttings from rotting, blackening and damping-off is reduced to a minimum. Of course, this bottom is more expensive than the ordinary bottoms, but it is permanent. When the supporting frame decays the tile may be removed and used again and again. M. G. KAINS.



Partial View of House Containing 2000 Lilium Harrisii.

Snails as Disease Disseminators.

The recent experiments of Mr. G. Wagner, a German scientist, have shown our familiar greenhouse pest, the snail, or slug, to be a worse fellow even than we supposed. Wagner removed a number of different kinds of snails from plants affected with ascomycetous fungi, powdery mildews and rust fungi, to healthy plants, with the result that the latter became diseased. Then he fed some of them on various kinds of parasitic fungi and examined their excreta microscopically, with the result that spores were found to be uninjured in passing through the animals' bodies and would grow under favorable conditions. As a last experiment the voidings were dissolved in water, which was then painted upon healthy foliage. In a short time disease showed itself upon the parts traced out with the water. Since no less than seven distinct diseases were found to be disseminated in this way, Mr. Wagner concludes that the spread of fungous diseases is often due to the humble snail.
K.

Some Good Lilium Harrisii.

Our illustration presents a partial view of a house containing 2,000 Lilium Harrisii, grown by H. I. Faust, of Merion, Pa., from bulbs supplied by Henry F. Michell. All the plants were sold in the Philadelphia market. The photograph from which the picture is reproduced was taken April 9, 1900. D. R.

New York Society of Horticulture.

A very representative body of horticulturists was present at the meeting held in the lecture hall of the Museum Building of the New York Botanical Garden at Bronx Park, on Saturday, April 21, in answer to the call issued for the purpose of organizing a New York Society of Horticulture. Among those in attendance were Drs. Britton and Hexamer, Messrs. J. DeWolf, P. J. Berckmans, James Wood, C. W. Ward, C. L. Allen, H. A. Siebrecht, Samuel Henshaw, A. L. Don, John N. May, N. Hallock, G. T. Powell, John Dallas, W. A. Manda, J. H. Troy, David Foulis and others, besides members of the horticultural press.

After a formal welcome by Dr. Britton, Mr. James Wood, Mount Kisco, was appointed chairman. In a few explanatory remarks as to the objects of the meeting, he pointed out the great necessity of formulating such a society as was proposed for New York City which, he believed, would be productive of very grand results in the advancement of horticulture. Leonard Barron was appointed secretary pro tem.

The majority of those who spoke at the meeting confined their remarks principally to the life and death of societies of a similar character that had sprung up in New York in former years, and the causes that led to their demise, some of which cited were apathy and remissness on the part of those in charge, particularly as regards the giving of exhibitions. There seemed to be a diversity of opinion as to the scope of the society now sought to be organized. While some were in favor of its being a purely local institution, others considered that it should partake of a national character, with headquarters at the Botanical Garden, where spacious accommodations would be provided, both as regards meeting halls and exhibition rooms. Mr. Berckmans pointed out some of the drawbacks associated with the formulation of national societies, mentioning that during the World's Fair in 1893 there was even a move to adopt an international body, but the promoters of this project came to the conclusion that the "contract was too large," and after 35 persons had been enrolled as members, and hardly sufficient money gathered in to pay the printing bill, the idea was abandoned. The same speaker urged that if it was desired that the working part of the proposed association should be kept up, commercial horticulturists were to be looked to more than others. The millionaire amateurs were those who would keep the treasury in condition.

Dr. Britton submitted a set of proposed resolutions regarding the plan and scope of the present society. He suggested that it be named "The New York Society of Horticulture;" that its objects be to collect and diffuse correct information on all topics relating to the culture and care of plants, and to promote a taste for same. He advised that 19 other members, with the officers of the society, form a council for the proper carrying on of its work; that committees be established to be named the Floral, Fruit, Vegetable, Forestry, Membership and Finance Committees; that membership be divided into members, honorary members corresponding members, and patrons, honorary membership to be limited to ten and these to be chosen from horticulturists who have distinguished themselves by important original investigations; membership fee to be $5 a year; life membership, $50, and to become a patron a payment of $250 was necessary; that the annual meeting be held the second Wednesday in May of each year, and regular meetings second Wednesday of May, June, October, November, December, January, February, March and April.

Mr. Geo. T. Powell, in charge of the New York State School of Practical Agriculture and Horticulture, to be established at Brisrcliff Farm, Sing Sing, N. Y., made a few remarks, pointing out the services that could be rendered by that school to a society of this nature in the matter of testing and planting choice fruits and plants, and where the best possible work—scientifically and practically—for the society could be carried out. After some further comments the following gentlemen were appointed a committee on organization, namely: Drs. Britton and Hexamer, Messrs. Wood, May, Withers, Henshaw, Allen, Siebrecht, DeWolf, Ward, Powell, Willis, Wallace, Manda, W. S. Clark, J. H. Taylor, Patrick O'Mara, Samuel Thorne, J. H. Troy, N. Hallock, A. T. De La Mare and John Dallas. A sub-committee, consisting of Drs. Britton and Hexamer, and Messrs. Henshaw, May and Withers, was appointed to nominate officers for consideration at a further meeting to be held the second Wednesday in May, in the rooms of the American Institute, Berkeley Lyceum, New York City, at 4 o'clock.

To an outsider it looked as if greater progress could have been made at this meeting, had those invited to the meeting been provided beforehand with an outline of the proposed society's scope. As it was there appeared to be among those present, with one or two exceptions, a complete ignorance of what was really sought to be accomplished.

After adjournment the gentlemen made a short tour of the Bronx Park and the horticultural buildings, and later attended a lecture delivered by Cornelius Van Brunt on the subject of "Spring Flowers," illustrated by stereopticon views. The lecture was very much enjoyed, and the magnificent and life-like pictures of wild flowers thrown on the screen much admired. The spacious auditorium of the lecture hall was well filled, showing that when an interesting subject is presented Bronx Park is not considered too far away from the city proper for attendance by people who are enthusiastic on the subject of horticulture.



D. Landreth & Sons, (Philadelphia) Easter Display, 1900.

Pan-American News.

The long-continued cold weather and frozen ground kept surface work on the ground in abeyance till nearly the middle of April. The past week's warm weather has produced great activity, and Mr. R. Ulrich has now five or six hundred men busy in many parts of the grounds, besides many hundreds on contract work. In spite of frozen ground hundreds of large trees have been planted this Winter, including many Lombardy poplars, which will be in keeping with the architecture of some of the buildings.

Work on the lagoons and canals has progressed all Winter and is nearing completion. The contracts for several of the largest buildings have been assigned and the foundations are going in. The Winter has been favorable for the poplars and willows planted last Fall, and by the Summer of 1901 the whole grounds will be encircled with a pleasing belt of trees and shrubs entirely hiding from view unsightly fences. The southern 100 acres of the grounds is the beautiful lake region of Delaware Park. Few, if any, points in the public parks of this country surpass in true landscape beauty our "Gala Water" and its wooded banks and magnificent drives. In this portion of the grounds, on a commanding site, will be situated the Art Gallery, to be used during the exposition, but a magnificent permanent building, the noble gift of our truly public-spirited citizen, Mr. J. J. Albright. Mr. Albright's gift in round figures will reach half a million. On the north of the lake will be the New York State Building, which at the close of the exposition will be given for their perpetual use to the Buffalo Historical Society. The Pan-American including, as it does, some of the handsomest portions of the park, has necessitated some costly improvements, chief of which is a commodious and handsome bridge spanning the lake at its western end. It is thus early very evident to see that in the adornment and embellishment of the grounds and planting in harmony with the style of architecture, the bright tinting of the buildings and gayness of the flower beds, the Pan-American, in horticultural taste and beauty, will surpass any previous effort in this country.

The writer thinks he knows a good thing when he sees it, and of all good things connected with this great undertaking, there is nothing inspires confidence combined with encouragement, more than the personality of the Director-General, Hon. William I. Buchanan. With marvelous executive ability and a world-wide knowledge of men and affairs, his intimate knowledge of the South American countries, his splendid diplomatic career, and his great record from the World's Fair, makes him pre-eminently the man to carry the Pan-American to a glorious consummation.

WILLIAM SCOTT.

OUR PRIZE COMPETITION.

We desire to remind intending competitors that the "PRIZE PHOTOGRAPHIC COMPETITION," begins May 1. The Conditions and Prizes were published in full in our issue of March 31, page 341, but for the convenience of those who intend going into the contest, as well as others desirous of producing effective work for their forthcoming catalogues, we have reprinted Mr. Hallock's essay in full, together with the Conditions attaching to the contest, and this leaflet will be sent free to all applicants.

The publishers feel that an aroused interest should be taken by the trade generally in photography, more especially as it relates to trade productions. Photographs of specimens, etc., grown on a tradesman's own grounds, and printed in his own catalogue, are far more weighty and carry more influence with his customers than the stock illustrations now seen in the majority of trade catalogues; and the price at which these photographs can be turned into plates, ready for the printer, is now so moderate that every catalogue-maker can afford to insert at least a few in his own book, understood always that they are sufficiently well done.

Illustrations take with the public now more than ever. The proof is evident in every successful publication you meet; it is also evident in the catalogues of successful florists, nurserymen and seedsmen.

It is because of these facts the publishers of the FLORISTS' EXCHANGE have instituted the present series of competitions; there is no reason at all why the makers of small and medium-sized catalogues cannot introduce therein the facsimiles of their own choicest productions. The slightly added cost to those who undertake this will be readily and quickly made up by added sales at paying figures.

And the new century will not have taken on many years before it will be as common a practice with our trade to use fine colored illustrations as it is now to use good half-tones.

Therefore, gentlemen, in view of all the developments present and to come, its educational value, and the good results to be obtained from taking advantage thereof, the publishers hope to see their offers availed of and a spirited competition ensue.

Landreth & Sons' Easter Display.

Our illustration shows the appearance at Easter, of the store of D. Landreth & Sons, Philadelphia. The week before Easter the implements and other horticultural merchandise of every kind were cleared out, and the broad floors staged with the best selected assortment of potted decorative plants. Over 25 salesmen and saleswomen were necessary to attend to the wants of the customers, against whom the doors could not be closed until 10 o'clock on Easter Eve. The broad pavements of Market street were covered for days throughout its entire length with azaleas, lilies and other plants, all finding ready sale.

Visitors to Europe years ago were impressed with the vast quantities of flowers and plants sold on the streets and in the different markets of London and Paris, and could not understand why Americans appeared to be so indifferent to such charming adornments of the home. But now things have changed, and we can point to a development of horticultural taste equal to that of any country; and a taste certainly destined to outrank that of any country, for as a nation we do nothing by halves.

Lilacs in Europe.

(*Concluded from page 432.*)

DECORATIVE PLANTS FOR EASTER.

Nothing prettier, if you caught a good collection of varieties together in different sized bushes and standards. But even the Charles X, Marly Rouge and Sinensis are very fine indeed, and should furnish excellent material for Easter sales and decorations.

About the end of June go to your nurseryman and select the bushes you want—from 4 to 5 feet in height to 10 feet or more. See to it that all have made good, stout growth during the Spring. Have them taken up and brought to your place. Go over them carefully, with a sharp knife cutting away all weak and unsightly branches, except what are needed to form a well-shaped bush. Pat them all into pots and tubs, cutting the root ball well back. The pot plants should then go into an open shed out of sun and wind. Put them close together and water them thoroughly. They should be syringed two or three times a day for one or two weeks, until you think them over the fatigue which the untimely lifting caused them. Then plunge them in over the rim outside; keep them well watered, though well drained, and continue, gradually withdrawing the syringing. You will soon observe very active root growth. In a month the pots will be crowded with new white roots; that's what you want. Toward the end of September you may diminish the waterings, and as frost comes take all the plants into a cold shed and let them stay there, nearly quite dry; or else lay them outside on the ground with lots of leaves or straw between pots and plants (select a place out of the sun). You need not think of them any more until four weeks before Easter. Then go over them, cut away all the roots above and below the pots or tubs; prepare a good watering can and neatly clean the pots. If necessary tie the branches into shape, and 20 days before Easter you must put them into heat of 58 to 60 degrees. Keep them half dark (the sunshine is apt to make the growth too firm, and unless the sun shines daily afterward the forcing is much delayed; at any rate more uncertain. This applies more or less to all forcing shrubs, roses, herbaceous plants, etc. I have frequently observed that when forced in sunlight the flowers and foliage of lilac, though nearly of their natural color and texture will fade very soon; sometimes the very day they are cut, therefore have them shaded by all means). When the single flowers begin to swell give more light (the light of whitewashed glass) and reduce the temperature to 50 degrees. As soon as the flowers are fully open put the plants into a cool, spacious, light place. If you are a little too early you can easily regulate the flowers by putting them in a cool place a little earlier. The syringing and watering, of course, must be attended to as before prescribed. When used for decorating be sure to put a saucer with water under each pot, for they need plenty of it.

PROPAGATING LILAC AND NURSERY CULTURE.

The ordinary way of propagating Syringa vulgaris is by the root shoots, which older plants produce in quantities; but the method of layering has also been resorted to, and is, of course, necessary where the mother plants are not on their own roots. The layers root very freely. (The persica and sinensis may be propagated by cuttings also.) The Marly Rouge, Marie Legraye and Charles X, which are to be grown in the open ground altogether, are generally propagated as indicated. Still a number of nurserymen have resorted entirely to budding or grafting. This method proved necessary to obtain short, bushy pot plants. Of course, it is more economical of wood, and for scarcer, especially double, varieties, one could not afford any other system. But for bushes to be grown without pots, it is well adapted, too, and furnishes an even-sized stock every year.

The lilacs are, in Europe, either worked on Syringa vulgaris seedlings or else on Ligustrum vulgare. It seems as if, when worked on ligustrum (privet), the lilac will make stouter growth, but on it it does not set flower buds so readily in a young state; an older plant on privet, say seven to eight years after budding, is at least equal to the one worked on syringa seedlings. Some say on ligustrum they do not force so early; but experts differ on that, and circumstances being equal otherwise I don't think there is a preference due to either on account of forcing quality.

Syringa vulgaris seedlings are the most generally used. When large enough, generally in the second year, they are transplanted in nursery rows, say 3 to 4 feet apart, and 1 foot in the rows. The following year in July, when the growth of the mother plant is thoroughly ripe, the budding is done. Two eyes are worked in on opposite sides of the seedling. If for bush plants, work on the crown of the root, but if for pot plants they should be put, say, one foot above the ground. Evidently half standard and standard trees may be grown by selecting suitable, strong, older seedlings, and by budding higher up the stem. The two eyes are left to develop naturally until the Fall of next year. The plants are then taken up, the roots sharply pruned and the plants are put into nursery rows again: the bush plants in rows 6 feet apart and 3 feet in the rows, the pot plants may be put into rows 4 feet apart and 2 feet apart in the rows. Before replanting them the wood has to be gone over. If the buds have taken well there will be three to four good shoots on each plant; all the other wood must be suppressed and the remaining three to four good shoots cut back to the lowest pair of good eyes. The bush plants may be left a little longer, unto two-thirds their length, where there is doubt about the selection of the eyes; but the pot plants should be trimmed well back.

The ground should be well manured, for the quality of the plants for forcing depends on the stoutness of their growth. During the succeeding years liquid manure, especially applied in early Spring and in Winter, will much help the plants. The third year the plants are left alone, except that weak growth, and, of course, at all times suckers from root, and base of stem are taken off. The fourth year after budding finishes the pot plants, the best, strongest shoots are to be selected to produce the flowering wood for the forcing; and these are cut back again in Winter or earliest Spring to the lowest pair of strong eyes, generally to 3 or 4 inches from below, all the other growths and all eyes, except the two top ones, are taken off with the knife. The plants have to be freely fed and watered until the growth matures. As soon as the last pair of leaves are fairly ripened, but before the wood gets hard, the plants are lifted, and after reducing the root ball they are to be potted—7 to 10-inch pots will accommodate all the plants. The potted plants are put close together on the top of the ground in a place sheltered from sun and wind; they are watered thoroughly and syringed frequently until they become fresh again. They are then taken outside and plunged into the ground just over the rim of the pot, and watering must continue until the cold weather approaches. They should then be laid on their sides with enough straw or leaves to protect them against hard frost and the influence of quick thawing. A deep cold pit, or frame, covered with boards is very useful, also. Of course, at this stage, they are ready for forcing or sale. Any surplus weak wood that has been made might be taken off while the potting is done.

We have followed the bush plants until their fourth year after budding; they need no attention other than the taking off of all superfluous wood. In the Fall of the fourth year the last season's growth is again cut back to about two-thirds of its height (some advocate not to trim, but only suppress the two terminal buds). Only the two top eyes of the remaining wood should be left on the plant, and during Winter and Spring a liberal supply of liquid or other manure will help to produce strong new shoots the following year. With these finished the plants will stand about 5 to 7 feet high; of course, they are long, leggy bushes, but the last year's growth is strong and each shoot will produce two, three or four flower buds.

If the plants are to be forced early, before Christmas, they should, as soon as the wood is nearly ripe, be cut around with a sharp spade, so as to check the root growth. In rainy seasons it may be better to take them up, and with the foot pack them firmly back into their hole again. This operation may be repeated should the rain continue (which is rarely the case in America). Lift them up a little and push them back again just enough to disturb the roots. For later forcing this extra trouble is not necessary.

Before severe frost all the plants should be put into a place where they may be had conveniently at any time. Lay them on the ground with a little earth over the roots and sufficient leaves or straw between and over the plants to protect them; or else put them into a cold shed, where they are sheltered from frost. The root ball may become quite dry; for early forcing it is even necessary that the plants are dried off one month previous to bringing them into heat.

The grafted stock, of course, is to be treated identically. The grafting is best done in earliest Spring, but it is not so convenient as budding. Plants propagated from suckers and layers are treated as I have suggested for the bush plants. Always build the plant up on three to four good strong branches and suppress any new shoots from root or bottom of the stem.

DOUBLE LILACS AS RAISED BY LEMOINE.

As I have previously mentioned the popularity of the lilac has greatly increased with its improvement. The new varieties are so much superior to the original type that this one is not worth growing any more (certainly not worth forcing), except, as suggested, for stock to bud on. Unique in effect are the double varieties, and as soon as they are more plentiful they will, I suppose, supplant the single ones altogether. It will, I don't doubt, interest many to learn a little of the work of the expert hybridizer, Lemoine, of Nancy, France, and I hope that his example will be followed in America, where the climate is so well suited for the shrubs under observation. M. Lemoine was kind enough to give me an explanation of his hybridizing work in a letter which reads as follows:

"For about 30 years we have been working to obtain good double forms of lilac. The first double lilac known to us and found in a few collections as a curiosity was the one named Syringa vulgaris azurea plena. Its flowers were small and hidden in the foliage of the plants; they had no special value. Inside the corolla of narrow tubular form was to be found still a second, and occasionally a third one; but so tightly was the flower filled by these extra corollas that they never produced stameas, and but rarely a rudimentary form of a pistil. With this poor, small-flowered variety we began crossing, using the pollen of five single varieties of Syringa vulgaris, such as Ville de Troyes, Aline Maqueris a. s., but failed to obtain good results. The most difficult work of hybridizing, using the Chinese Syringa oblata as pollen parent, succeeded better; and we had the satisfaction of finding among the seedling plants one afterward named Syringa hybridi hyacinthiflora plena, to be worthy of the name of hybrid. This new variety had inherited the double form of flower of the seed parent and the characteristic earliness of bloom of the pollen parent, as also its peculiar Autumn coloring of the foliage. All the varieties which were subsequently raised were hybrids or crosses between hybrids. The first introduced to the trade was Syringa vulgaris Lemoine, which, though now 20 years in general culture, has held its own. This variety was in chronological order followed by Alphonse Lavallée, Michel Buchner, President Grévy, Virginité, Léon Simon, Emile Lemoine and Mme. Lemoine. (This is a selection of only the best varieties.) The last named was the first double white and probably the finest of all. It was obtained from the single white, Marie Legraye, fertilized with a double variety." As a choice of all the doubles at this date M. Lemoine suggests the following list:

President Carnot, pale lilac, center white; Comtesse de Choiseul, white flushed with rose; Belle de Naacy, brilliant satiny pink, white toward the center; Chas. Baltet, center lilac, rose mauve toward border; Louis Henry, blue pink, with a wash of violet rose; Doyen Ketteler, pale rose; Mme. Casimir Perrier, creamy white; Abel Carrière, blue, tips rose; Chas. Joly, the darkest of all, mulberry black; Mme. Léon Simon, lilac rose, buds purplish; Marc. Micheli, azure lilac, tips nearly white.

The merits of the double lilacs over the single ones are, in M. Lemoine's opinion, the great variety of form and color, especially the size of the bunches and the single flowers. The doubles keep much longer, both on the plant and cut in water. They resist dry, hot weather much better, and as the flowers are tightly filled they don't allow insects to enter them, which is especially annoying with the light-colored single flowers. It is well known that insects can destroy white single lilac in a day or two.

Lilacs must have all possible light and sunshine to do well outside and a well drained soil, because they are apt to suffer from stagnant moisture. They should not be planted under trees in gardens and parks. M. Lemoine recommends Syringa pekinensis as a handsome solitary tree in standard form, and S. japonica as a Summer blooming shrub. The latter expands its pretty flowers in July, and is worth more attention for flower shrubberies, as the greater number of our garden shrubs bloom earlier.

T. E.



THE LATE JOHN BREITMEYER.

(See Obituary page 454.)

Buffalo.

Trade Report.

In most quarters an active retail trade in flowers has been the rule since Easter. Most kinds of blooms are plentiful, some being in over-supply. Roses hardly move off entire, and Harrisli are scarcely needed to the extent they are offered. Callas share a similar tendency. Bulb stock seems ready to finish up. Violets are still good. Buyers generally have the call on stock. Smilax is extremely scarce.

Anderson had several moderate-sized wedding orders this week, one of which called for a bride's bouquet of Bride roses, with a shower attachment in a combination of chiffon interspersed with valley sprays and adiantum.

News Jottings.

Hardy roses are on sale at the department stores at 12c. each. Active customers are noticeable about the low-priced seed-packet counters in these places.

W. B. Milley notes a good Easter call for hyacinths in pots at 20c. each. His lilies were a bit late. Altogether he had a larger business than usual, customers buying more liberal.

E. A. Butler, of Niagara Falls, called on Tuesday. His Easter sales were fair.

Dan'l B. Long is about moving his office to room 30, Lewis Block, Swan street, corner of Washington.

VIDI.

Grand Rapids.

A Plant Easter.

This has been eminently a plant Easter, although the demand for cut flowers was in excess of the supply, except in tulips and narcissus; and these have to be pushed to sell, the main avenue for disposing of them being in boxes of mixed flowers, otherwise they are simply not wanted at all. As expected the business done has been a record-breaker, particularly with plants—about 40 per cent. on the average better than last year, and everyone cleaned up close on all salable goods.

The weather was very disagreeable Wednesday and Thursday, cold and two inches of snow on the ground, in spite of which shipping orders were taxing the ability of every florist enjoying that class of business; and retail orders continued to flow in in a steady stream, mostly for Saturday and Sunday deliveries. Saturday opened up bright and beautiful, and then the fun commenced. All expected a heavy trade and had made preparations for extra delivery; but none seemed prepared for the avalanche which came, and by afternoon additional teams had to be put on in order to get everything delivered. Crabb & Hunter rented a store on Monroe street for a plant sale, which was remarkably successful, except the delivering, that necessitating the engaging of four parcel delivery wagons to help out. Henry Smith had a beautiful wreath and cross combination piece of galax leaves in his window which attracted a good deal of attention. The Floral Co.'s windows were neatly arranged with a mixture of azaleas, lilies, etc., as were also Cunningham's. Renwick made no special attempt at display, yet his window was as attractive as usual.

The lily, of course, was in greatest demand, as it is the Easter plant. Azaleas and hydrangeas sold well. Crimson Rambler roses sold on sight, as did American Beauty in 6-inch pots. A great many did not open their flower buds in time, or there would have been none left. Spiræas hardly sold at all. Azalea mollis did not seem to take very well either; and as for rhododendrons so few sold that we predict none will be grown next year. Dielytras should have sold better. Hyacinths in 4-inch pots, at 15c. to 25c. each, were in good supply and sold quick, while 6 to 8-inch pans of hyacinths did not sell so freely, being too expensive. What the people wanted was something for about 25c. to 75c. each; at those figures they bought freely, but above that value sparingly. Tulips in pans went very slow. The cineraria clings to the trade with the tenacity of a poor man's plaster, a few yet growing it; but it has had its day. A nice Paris daisy, grown to standard form, about 4 feet in height, was seen at Bruins Slot & Sons'; it was evenly flowered, and altogether a fine plant. G. F. C.

Cincinnati.

Trade Notes.

Business during the past week was only fair. Plenty of stock is coming in now to fill all orders, and prices have declined a little. Carnations are improving in quality, Flora Hill still being in the lead as a good white, and coming with a good stiff stem, and fine flowers.

News Jottings.

Our growers who have planted out their carnations are experiencing considerable trouble with rabbits. Will Murphy reports that in one night they managed to eat up or destroy about 1,000 Estelle for him. They have good taste, and only pick out the best sorts. Thomas Windram was also looking for a rabbit exterminator. With him Fisher seemed to be the sort the rabbits wanted.

Saturday afternoon, April 21, wound up the monthly exhibitions of the Cincinnati Florists' Society for the season. This was the bulb and plant meeting. George & Allen captured most of the prizes. Henry Schwartz secured the $5 for Harrisii and first premium for best geraniums.

The regular monthly meeting of the Florists' Society was held Saturday evening, with barely a grower present. The next meeting will be held May 12, when all members in good standing are earnestly requested to be present, as the nomination of officers for the ensuing year will then be in order.

Mr. Graves, of Richmond, Ind., was a caller Tuesday, as was J. T. Herdigen, of Aurora, Ind. E. G. GILLETT.

Philadelphia.

Market News.

The principal event of the past week was the Bergner-Bispham wedding, the decorations of which were very elaborate. Pennock Bros. had a *carte blanche* order for this event, for both the house and church decorations. At the church, over the chancel, a canopy was made of smilax; suspended from this were floral bells. The ends of the choir stalls were banked with palms, azaleas and lilies. The altar was one mass of cut lilies. The ends of the pews were also decorated with bunches of these flowers tied with ribbon. The main aisle of the church was covered with expensive rugs, which were tied to each other with ribbons. The bride carried a bunch of orange blossoms, while the bridesmaids carried shower bouquets of Bridesmaid roses. At the house the drawing room was converted into a reception room, a bower being made of foliage and flowering plants. The curtains and draperies through all the rooms were hung with asparagus, into which were inserted carnations. In the dining room of the bride white was used, the table having a center vase of Bride roses and small vases of choice orchids and valley. The main dining room was red, the draperies, chandeliers and walls being hung with asparagus, to which were attached red carnations. The hallways of the three stories of the house were hung with smilax; with this pink carnations were used. All the mantels, side boards, etc., were appropriately decorated, flowering plants and Adiantum Farleyense being lavishly used. The entire decoration was the largest seen here for some time, and was carried out with splendid taste to the satisfaction of all.

Trade in Flower Pots Satisfactory.

The Whilldin Pottery Co. report the present season as a very satisfactory one, the amount of business being far in advance of any previous year; but during the rush of the past two months they were able, with their splendid facilities, to keep all orders filled promptly, being now only short on a few sizes of pots. This firm has recently purchased a large tract of land about 30 miles from this city, which has a good deposit of clay, the vein being 2 feet thick having only a few inches of top soil on it. The clay is of splendid quality; in fact, better than this firm has ever been able to secure previously. Pots are now being made from this and are giving every satisfaction.

News Items.

H. Cook, of Broad and Federal street, extended his business the past Winter by renting an adjoining store. In this he has made a specialty of gold fish, aquarium, etc. The venture has paid well, good business being done, and the sale of plants materially increased.

Ed. Fancourt, who during the past season was with Jos. Klft & Son, has gone to Cleveland, to enter the employment of Smith & Fetters in their retail store.

The Florists' Club will meet on Tuesday next when Robert Craig will make an address on "Experiences Gained by the Easter Trade of 1900."

Not much can be said this week about the cut flower trade, as although business has been fair with the stores, the supply of cut flowers is far in excess of the demands; and all kinds of stock are practically a glut, except valley, which is in demand. No settled prices can be quoted; everything is in favor of the buyers, and large quantities of both roses and carnations are going to the street men. Shipments now arriving are larger than earlier in the week.

DAVID RUST.

Hartford, Conn.

Easter trade was a record-breaker and all of the dealers report business away ahead of last year. Some say twice as much business was done. Everything was cleared out clean. Stock was generally plentiful, excepting carnations, which were very scarce and in good condition. Some of the florists would not take any orders ahead for carnations, on account of there being such a scarcity of them. More than double the number of blooming plants were sold than a year ago. The general price for lilies in pots was 20c. a flower, the large buds counting as blossoms. They were in excellent condition and the supply was about equal to the demand. Cut lilies sold at from $2 to $3 a dozen. There was a big demand for tulips, hyacinths, spiræa and daffodils in pots; and they went readily at from 25c. to 75c. a pot. Azaleas sold well, at from $1 to $5 each; many more could have been disposed of had they been in bloom or bud more.

In the cut flower line there was more call for carnations and violets than for anything else. Carnations sold at from 50c. to 75c. a dozen. Violets were very plentiful and in good condition; they went at from $1 to $1.50 a hundred. Roses were quite plentiful and good in quality, but were not much called for. Bride and Bridesmaid brought from $1.50 to $2 a dozen; other varieties, $1 to $1.50 a dozen. Daffodils and tulips went at from 50c. to 75c. a dozen. Most of the florists worked all night Friday putting up their orders for Saturday, and many of the stores employed extra help.

John Coombs opened his new store Good Friday, which is said to be the largest and finest florist store between New York and Boston. All of the fixings, cases, etc., are of quartered oak. The large show window in front measures 20 x18 feet, which is next to the largest pane of glass in the city. The window will hold about three ordinary wagon loads of plants. It was decorated very tastefully for Easter and attracted a good deal of attention. J. F. C.

Pittsburg.

Trade is moving along nicely and stock is in good condition and abundant. Prices are very satisfactory, and will not likely change very much before Summer. The seedsmen are very busy just now, the retail trade is on, and it promises well. The plant growers are also getting in line, for the weather is all that can be desired and people are anxious to buy plants. Trade in plants will be heavy this season and competition sharp. Several growers in the Pittsburg Market have rented store-rooms near their stands, and are doing a good trade already.

The street fakirs, or Greeks, are slowly gaining ground in the city, and now control about a half dozen prominent stands on the main thoroughfares. They handle good stock and are thriving in their trade. A few of the department stores are still trying to get a hold in the florist business, but so far have not succeeded in doing any harm to the regular trade.

S. S. Skidelsky, of Philadelphia, was in town. E. C. REINEMAN.

Mount Vernon, N. Y.

Easter business was very brisk—an increase of at least 10 per cent. over last year. There was less demand than ever for cut flowers. Roses sold very slowly, but carnations sold out clean. Violets went well, both cut and in pots. We found an increased demand for lilies (all longiflorum) at a slight increase of price over last year. Harrisii were a total failure.. No novelties were offered unless you consider boronia, eriens and Crimson Ramblers as novelties. Prices, with the exception of those on lilies (increased), were about same as last year.

E. W. W.

Syracuse, N. Y.

Easter Notes.

This year's Easter trade was the heaviest ever known. There were no novelties. The florists' stores presented a beautiful display. H. Burt was very strong in azaleas. Henry Morris had some remarkable good cinerarias, h. p. and Crimson Rambler roses. P. R. Quinlan & Co. had a large general assortment. Bannister Bros. rented a store for Easter week and made a very creditable display. Pot plants in bloom sold remarkably well, the chief call being for cinerarias, hyacinths, tulips, azaleas and lilies.

In cut flowers bulb stock of all kinds sold well. Carnations also sold well and had the first call. Prices for everything ruled high with few complaints. Roses sold at from $2 to $4 per dozen; Beauty, $1 to $2 each. Carnations brought $1 to $1.50 per dozen; tulips, hyacinths, daffodils, $1; violets, $3 per 100, and in short supply. There was a very noticeable increase in the number of church decorations and of a more elaborate description.

Peter Kay, florist, has been appointed superintendent of Woodlawn Cemetery, and continues his florist business with the aid of his wife and extra help.

The desire for more parks for the city is growing year by year, and the Council has secured several large pieces of land in different sections of the city for park purposes the past year. H. Y.

Toronto.

Business since Easter has been fairly good, and as stock has been generally plentiful this has been a profitable week for the retailers. Quite a glut of lilies has been experienced, and they have been sold at wholesale for all sorts of prices, the general figure being 5c. per bloom, with buds thrown in. Violets have been fairly plentiful, but not generally good. Carnations are abundant again, and roses are good. The last few days have been very warm, and stock has rushed along rapidly. Tulips and hyacinths in the open ground are coming along fast, and if the present weather conditions continue the flowers will not last long, or be very good. T. M.

Oceanic, N. J.

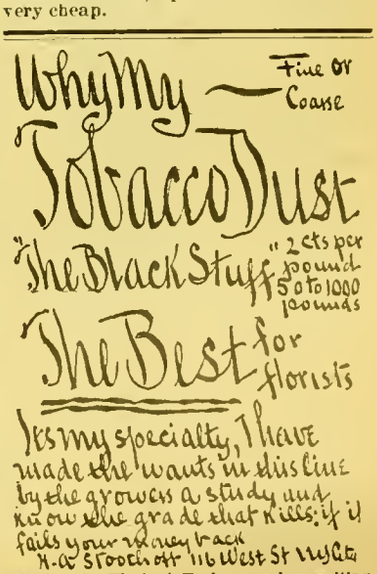
At the regular semi-monthly meeting of the Monmouth County Horticultural Society it was decided to have only one meeting during the Summer months, same to be held on the third Friday of each month. Two new members were elected. A lecture will be delivered on May 18 by Dr. W. S. Whitmore on "Cultivation of Flowers, and Their Influence upon Society." B.

La Crosse, Wis.

The La Crosse Florists' Association was organized here April 19. The association proposes to hold exhibitions during the season. The officers are Charles E. Schafer, president; John Van Loon, vice-president; John E. Hauser, secretary.

Jamaica Plain, Mass.

The stock in the four greenhouses lately run by Donald McRae was disposed of at sheriff's sale, April 17. Plants went very cheap.



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Mention the Florists' Exchange when writing.

A BARGAIN FOR YOU

1000 R. C. Vinca Elegantissima, $1.50 per 100; 1000 Alyssum, Giant Double White, $1.00 per 100. Extra size; 500 fine seedling Vernon Begonia, $1.50 per 100. 50 Eunonymus Japonica (variegated), 2½ inch pots, 10 cents each. Cash please.

MRS. E. A. SPRAGUE, Box 124, - HOLLY, N. Y.

Mention the Florists' Exchange when writing.

Daisies, Violets and Baby Primrose

L. H. Campbell, California, rooted runners, 60c. per 100; $5.00 per 1000. Princess of Wales, the best single Violet, and Swanley White, 75c. per 100; $7.00 per 1000.

Baby Primrose, by division, 30c. per doz., by mail; per 100, $2.00. ☞CASH WITH ORDER.

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PETUNIAS

from Dreer's Superb Double Seed. 3 in. pots, $3.00; 4 in. pots, $5.00 per 100. Geraniums, good bedders, 3 in. pots, $3.00; 4 in. pots, $6.00 per 100. Dwarf Sweet Alyssum, 2½ in. pots, $2.00 per 100. Artillery Plant, 3 in. pots, $5; 4 in. pots, $5.00 per 100. Dreer's Mammoth Verbenas, 3 in. pots, $3.00 per 100. 500 Vernon and Vulcan Begonias, 3 in., $3.00 per 100. All other stock sold. Alternanthera, red and yellow, 2½ in. pots, $1.75 per 100. White and yellow Marguerites, 4 in. pots, $5.00 per 100. Satisfaction guaranteed. Low express rates.

J. S. BLOOM, Reigelsville, Pa.

Mention the Florists' Exchange when writing.

Smilax Plants.

Extra Strong Plants out of 2½-inch pots, $2.50 per 100. Cash with order.

WILLIAM SCHWEINFURTH, Ridgewood, N. J.

Mention the Florists' Exchange when writing.

MY SPECIALTY CYCLAMEN PERSICUM SPLENDENS GIGANTEUM

Finest strain in the world. Now ready to ship a splendid stock of plants, in four separate colors, from 2 in. pots, $4.00 per 100; $35 a 1000. From 2½ in. pots, $5.00 per 100; $40.00 per 1000.

SATISFACTION GUARANTEED.

PAUL MADER, East Stroudsburg, Pa

Mention the Florists' Exchange when writing.

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Smith's Hybrid Moon Vines, the best and earliest white Moon Vine in the country; flowers pure white, seven inches across, at the rate of $5.00 per 100.

CASH WITH ORDER, PLEASE.

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20,000 SMILAX

Transplanted, very strong, healthy plants, from flats, 50 cts per 100; $4.50 per 1000, by express.

10,000 VERBENA Transplanted, rooted cuttings and seedlings from flats, 50 cts. per 100; $4.50 per 1000, by express.

10,000 GREVILLEA ROBUSTA Transplanted, strong stock plants, from flats, 75c. a 100, $6.50 a 1000, by express.

F. B. MILLS, Box 200, Rose Hill, N.Y.

Mention the Florists' Exchange when writing.

SEEDLINGS

Grown from the best seed that money can buy.

Fine plants.	100	1000
Verbenas, extra Selected Mammoth	$0.30	$2.50
Phlox Drummondi nana compacta	.30	2.50
Asters, all varieties	.30	2.50
Mignonette, Golden Machet	.30	2.50
Candytuft, Empress	.25	2.00
Sweet Alyssum, Little Gem	.25	2.00

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

COLEUS

Crimson Verschaffelti, from 2½ in. pots, good for stock plants, at $2.00 per 100; R. C., 7 best sorts, Ver. and G. B., all at 50c. per 100. BRUANT GERANIUMS, also mixed, from 2½ in. pots, at $2.00. Cash with all orders. Mrs. M. Cavnaugh, Ionia, N. Y.

Mention the Florists' Exchange when writing.

GERANIUMS.

Mixed, from 2½ in., $2.50 a 100. Single and double Grant, to bud and bloom, from 3½ in., $3.75; from 4 in., $4.50 a 100.

PETUNIAS, Single Giants of California; SELECTED MAMMOTH VERBENAS, both in bud and bloom, from 2½ in., $2; from 3 in., $2.50 a 100.

WHITE PARIS DAISIES, HELIOTROPE, ALYSSUM (Carpet of Snow), from 2½ in., $2 a 100.

☞Cash with order.

JAS. AMBACHER, LONG BRANCH, N. J.

Mention the Florists' Exchange when writing.

ASPIDISTRA

Nice pot plants, 8 to 10 leaves, 5 cents per leaf.

Vinca var., 3 inch, $3.00 per 100.
Heliotropes, 2½ inch, fine, $2.00 per 100.
Apple or Rose Geranium, strong, for 4 inch, $3.00 per 100.
Started Cannas, $3.00 per 100.
Echeveria Secunda Glauca, young stock to give good plants till spring, 50c. per 100. Cash, please.

WILLIAM STUPPE, Hollis, L.I., N.Y.

Mention the Florists' Exchange when writing.

CYCLAMEN

Our well-known strain, 5 to 7 leaves,

$4.00 per 100; $35.00 per 1000. Cash.

SEIDEWITZ,

36 W. Lexington Street, BALTIMORE, MD.

Mention the Florists' Exchange when writing.

1000 GERANIUMS.

Varieties, Single Gen. Grant, S. A. Nutt and Centaur, ready for 3 in. pots, $20.00 for the lot.

Heliotrope, 2½ in., fine plants, $2.00 per 100.

Cannas, Mme. Crozy, 4 in. pots, $5.00 per 100.

Smilax plants, from flats, $1.00 per 100. Cash with order.

WM. KEIR, Pikesville, Md

Mention the Florists' Exchange when writing.

A FEW GOOD THINGS YOU WANT

Asparagus Plumosus, 3 in., $8.00 per 100. Rex Begonia, 3 in., mixed, $4.00 per 100. Marguerite Daisy, large flowering white, 2 in., $3.00 per 100. Nephrolepis Cordata Compacta and Boston Fern, 2 in., $4.00 a 100. Kentia Belmoreana and Forsteriana, 4 in., nice plants, 40c. each; 3 in., 20 cts. each.

GERANIUMS Sam Sloan, Bonnatt, Single Grant, Mrs. E. G. Hill and S. A. Nutt, 2 in., $3.00 per 100.

ENGLISH IVY and Ampelopsis Veitchii, 2 in., $3.00 per 100.

CAMPBELL VIOLETS, Rooted runners, 50 cts. per 100.

COLEUS, red and yellow, rooted cuttings, 60c. per 100.

SCARLET SAGE Clara Bedman, 2 in., $2.00; 3 in., $4.00 a 100. *Cash with order.*

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

Fine Stocky Plants

	Per 100
ALTERNANTHERAS, yellow, $1.75; red,	$2 00
OXALIS FLORIBUNDA, fine for vases	2 00
AGERATUM, 3 varieties	2 00
DOUBLE PETUNIAS, 3 in. pots	3 75
COLEUS, 2x2½ in. pots, good assortment	2 00
GERANIUMS 2½ in. pots, my selection	3 00
" " " "	4 00
CENTAUREA GYMNOCARPA, 2 in. pots	2 00
VERBENAS, 2x2½ in. pots, good assortment	2 00
VINCA VINES, 2 vars., fine for vases	3 00
ASPARAGUS SPRENGERI, May 1st	4 00
SMILAX, 2 in. pots, May 1st, per 1000, $8.00	1 00
CARNATIONS, 5 vars., 2 in. pots	3 00
PANSY PLANTS, from cold frame	1 50

CASH, PLEASE.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Mention the Florists' Exchange when writing.

GERANIUMS

AMERICA Out of 4 inch pots, strong, grandest Geranium under the sun, 50c. each; $5.00 per doz.; $25.00 per 100.

MARS 2½ inch pots, fine plants standard border Geranium $4.00 per 100; $35.00 per 1000.

DRYDEN 2½ inch pots, strong plants, finest fancy bedder, will become a favorite standard when better known, $10.00 per 100.

NOVELTY SET (15) of 1899, including one AMERICA, 2½ inch pots, greatest money value of the season, $2.00 per set.

Our stock is in the healthiest possible condition. Cash, please.

HENRY EICHHOLZ, Waynesboro, Pa. FLORIST.

Mention the Florists' Exchange when writing.

FRESHLY IMPORTED ORCHIDS!

We beg to announce that after three years of futile efforts we have at last succeeded in collecting a grand lot of plants, which we now beg to offer. This beautiful cattleya has been up to the present the "missing link" in the chain of a continuous flowering season of cattleyas the year round. Cattleya Percivalliana *only* will fill the gap left blank between Cattleya Iabiata and Cattleya Triane, and will prove itself to be a welcome acquisition and an ideal Christmas Cattleya. Also the following, just arrived:

Cattleya Percivalliana

FINE PLANTS, WELL LEAVED AND FREE FROM ALL DISEASE:

Cattleya Mendelii, in good condition
Cattleya Citrina
Lælia Majalis, L. Anceps, L. Autumnalis
Epidendrum Vitellinum Majus
Oncidium Tigrinum
Odontoglossum Rossii Majus
Dendrobium Phalænopsis Schroederianum, D. Formosum giganteum, D. Wardianum.
Vanda Cærulea

Due shortly:—Cattleya Mossiæ, Lælia Anceps Alba and Oncidium Varicosum Rogersii.

Lager & Hurrell's ORCHID RENOVATOR, specially prepared by us, guaranteed to restore to health and vigor any kind of Orchid in a run-down condition. Instructions how to use it will be furnished with each order. Price, $10.00 per 100 lbs.

LAGER & HURRELL, ORCHID GROWERS AND IMPORTERS, Summit, N. J.

Mention the Florists' Exchange when writing.

CHEAP FOR CASH.

CYCLAMEN GIGANTEUM

Strong, healthy plants, from 2 inch pots, consisting of the following varieties: ATRORUBRUM, MONT BLANC, MAGNIFICA and ROSEA, $4.00 per 100; $35.00 per 1000.

WM. SCHLATTER & SON, 408 Main Street, Springfield, Mass.

Mention the Florists' Exchange when writing.

300,000 VERBENAS

60 finest named varieties, including our new MAMMOTH WHITE MRS. McKINLEY. The finest white Verbena grown.

Perfectly healthy. Free from rust.

Rooted cuttings, 50 cts. per 100; $5.00 per 1000.
Plants, $2 50 per 100; $20.00 per 1000.
Our list is the choice from millions of seedlings.
Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

Geraniums and Coleus

GERANIUMS, named, 15 vars., 2½ inch, $3.25 per 100; $30.00 per 1000.

COLEUS, R. C., strong, 10 vars., 90c. per 100; $7.00 per 1000. CASH WITH ORDER.

For Special Kinds and Prices address

McBRIDE'S NURSERY, Alplaus, N. Y.
E. FOUNTAIN, Mgr.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS.

A bargain for ten days only, $2.00 per 100; $15.00 per 1000. Rooted cuttings of Ivory, Robinson, Bergmann, Bonnaffon, Murdock, etc.

VIOLETS At stock. Now is the time to order rooted cuttings. Marie Louise, Farquhar, Lady Campbell, Swanley White and Princess of Wales. ☞WRITE FOR CATALOGUE.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Bonnaffon, Bergman, Glory of Pacific, J. E. Lager, M. Henderson, Yellow and White Monarch, Wanamaker, Robinson, F. Hardy, etc. Above can be furnished by the 1000, for next 30 days, at $8.00 per 1000, by express; $1.00 per 100, by mail.

A QUANTITY OF GLASS.—Small sizes for hotbed sash for sale at 75c. per box.

ORANGE FLORAL CO., West Orange, N. J.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Bergmann, Whildin, Modesto, Midge, Glory of Pacific, M. Henderson, Lager, Bonnaffon, Robinson, Niveus, M. Dean, Florence Pullman, Merry Monarch, Childs, Phœbus, Erminalda, Shrimpton, Evangeline, Boehmer, Iora, E. Prass, Bigelow, Yanoma, F. Hardy, Merry Christmas, Queen, L. Canning, V. Morrell, Silver Cloud, White and Pink Ivory, Pitcher & Manda. 12 Pennsylvania and Philadelphia gratis with each order for 100 plants; from 2½ and 2 inch pots, $2.50 per 100; from soil, $2.00 per 100.

BABY PRIMROSES, 3 in., $4.00 per 100.

CYPERUS, 3 in., $3 00 per 100.

YELLOW PARIS DAISIES, in bud and bloom, 3 in., $3.00 per 100.

J. G. EISELE, 20th and Ontario Sts., Phila., Pa.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS — FOR SINGLE STEM POT PLANTS.

The following are considered the best for that purpose, and we now have a large stock in fine condition for immediate shipment. From 2½ in pots.

	Per 100
Mrs. H. Robinson	$3.00
Merza	10.00
Ivory	3.00
Meta	5.00
Maj. Bonnaffon	4.00
Solar Queen	3 00
Georgiana Pitcher	3.00
Minerva	3.00
Mrs. O. P. Bassett	3.00
Merula	3.00
V.-Morel	3.00
Pink Ivory	3.00
Idavan	5.00
Rustique	6.00
Lady Hanham	3.00
Black Hawk	3.00
Geo. W. Childs	3.00
Red Warrior	3.00
Mrs. J. J. Glessner	3.00
Mrs. H. Weeks	3.00

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Bessie Burton	Mrs. John J. Glessner
Bonnaffon	Modesto
Cullingsfordii	Mrs. S. T. Murdock
Glory of Pacific	Mrs. O. P. Bassett
Ivory	Niveus
J. H. Woodford	Rose Owen
Minerva	The Queen
Mme. F. Bergmann	Mrs. J. G. Whildin
Miss Minnie Wanamaker.	

And others from 2½ in. pots, $2.00 per 100, $15 00 per 1000

HARDY POMPON CHRYSANTHEMUMS

In 10 named varieties, 2½ in. pots, $2.00 per 100; $15.00 per 1000. 10 named varieties rooted cuttings, $1.00 per 100; $7.50 per 1000.

CARNATIONS.

Bon Ton McGowan Portia
New York Wm. Scott
2½ in. pots, $2.00 per 100; $15.00 per 1000.
Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

GREEN AND GOLD — MRS. SHEPHERD'S NEW FANCY PERENNIAL CHRYSANTHEMUM.

Entirely New and Distinct. A Lovely Variety, with Foliage Beautifully Variegated Clear Yellow and Light Green, the Yellow Predominating. Handsome without flowers, but when adorned with its Large, Double, Creamy White, Fluffy Blossoms it is Beautiful Beyond Description. It is a Vigorous Grower. Comes True. Does equally well bedded out or under glass. A GRAND NOVELTY.

Having a fine stock I offer this rare plant at 20c. each; $2 00 per doz.; $10.00 per 100.

A SPLENDID NOVELTY FOR CATALOGUES.

MRS. THEODOSIA B. SHEPHERD, Ventura-by-the-Sea, Cal

Mention the Florists' Exchange when writing.

NEW CHRYSANTHEMUMS FOR 1900

Bonita Beautiful deep golden-orange; a bold handsome flower with good stem and foliage. 50c. each; $4.50 per dozen; $30.00 per 100.

Eulalie The best anemone ever introduced for cut flower; extra good stem and foliage. 60c. each; $5.00 per dozen; $35.00 per 100.

Luciole A combination of pink cerise and lavender; a grand exhibition variety. 50c. each; $1.50 per dozen; $25.00 per 100.

Souci Beautiful clear-yellow; form and color of Modesto but superior in every way. 50c. each; $4.50 per dozen; $30.00 per 100.

Winona White base veined with clear pink; a grand commercial variety. 50c. each; $4.50 per dozen; $30.00 per 100.

Also Grand

New Set of EARLY POMPONS, 12 varieties, one of each for $2.25.

All the NEW VARIETIES of OTHER RAISERS at Advertised Rates.

JOHN N. MAY, Summit, New Jersey.

Mention the Florists' Exchange when writing.

Dracaena Indivisa

3 inch, $3.00 per 100. Per 100

Fuchsias, in variety, 3 inch.....$4 00
Abutilons, in variety, 2 inch..... 2 50
Baby Primrose, 2 inch, strong..... 3 00
Moon Vines, Smith's Hybrid, Heavenly Blue..... 2 00
Salvia Splendens and Bedman, 2 in.. 2 00
Antirrhinum, Giant White, 2 in..... 2 00
Lobelia, Crystal Palace Gem, 2 in.... 2 00

Cash With Order, Please.

GEORGE J. HUGHES, - Berlin, N. J.

Mention the Florists' Exchange when writing.

SEASONABLE BEDDING PLANTS

GERANIUMS, A. Riccard, Mme. Jaulin, double and single Gen. Grant, and all other leading varieties, in 4 inch pots.
AGERATUM, Princess Pauline, in 4 inch pots.
FUCHSIA, strong plants in bloom, in 4 inch pots.
PANSIES, superior strain, from cold frames.
COLEUS, in varieties.
Prices on application.

J. H. FIESSER, 415 Summit Avenue, West Hoboken, N. J.

Mention the Florists' Exchange when writing.

Rooted Cuttings

BY MAIL PER 100.

Salvia, Splendens and Bonfire;
Heliotrope, finest fragrant varieties;
Lobelia, C. P., Gem and trailing;
Feverfew, Dwarf Gem;
Vinca Variegata,
Above at **$1.00 per 100**, by mail;
$8.00 per 1000, by express.
Pot plants, $1.50 per 100.
Fuchsia, $1.00 per 100; pots, $1.50.
Paris Daisy, Giant, $1.00 per 100; from pots, $1.50 per 100.
Alyssum, Double Giant, $1.00 per 100.
Rudbeckia, Golden Glow, from pots, $3.00 per 100.
Solanum, Jasminoides Alba, finest Vine for vases, $.50 per 100.
Dracæna Indivisa, extra good value, 3 in. pots, $3.00 per 100; 4 in. pots, $5.00 per 100.
Oranges, Otaheite, 4 and 5 in. pots, 10c. each in lots of 10 or over.
Carnation McGowan, $1.00 per 100, $5.00 per 1000.
Cyclamen P. Gigsanteum, Benary's finest strain, $2.00 per 100; from pots, $3.00 per 100.
Day Lily, white, $5.00 per 100.
Cash with order.

ORANGE FLORAL CO., West Orange, N. J.

Mention the Florists' Exchange when writing.

Notice the New Items

YOU NEED SOME OF THIS STOCK.

Per 100

500 **De Roo Mitting Geranium**, new, 2¼ in.....$5.00
1000 **Ohconica Primula**, in bloom, 2½ in. 2 50
1000 " " " 5 in.. 8.00
2000 **Petunias**, single, Giant of California, 2¼ in..... 2.00
3000 **Mme. Salleroi Geranium**, 2¼ in.. 1.50
30,000 **Coleus**, our selection, 2¼ in..... 1.50
10,000 " mixed, 2¼ in..... 1.25
1000 **Red and Yellow Iresines**, 2¼ in.. 1.50
10,000 **Alternanthera**, red, and large-leaved, 2¼ in..... 1.50
5000 **Forget-Me-Not**, 2½ in..... 1.50
1500 **Lobelia**, Crystal Palace Gem, 2¼ in. 1.50
1000 **California Moss**, 2¼ in..... 1.50
1000 **Mesembryanthemum Erectum**, 2¼ in..... 1.50
1000 **'Mums**, Mme. des Granges, early white, 2½ in..... 2.00
1000 **Jerusalem Cherry**, 2¼ in..... 2.00
1000 **Blue Daisy**, 2¼ in..... 2.00
1000 **Fuchsias**, mixed, 2¼ in..... 2.00
500 **Variegated Vinca**, trailing, 6 in... 20.00
1000 **Mixed Vincas**, trailing, 2 in..... 2.00
10,000 **Verbenas**, in 10 named varieties, 2 in..... 1.25
1000 **Hydrangeas**, Dr. Hogg, 5 in..... 15.00

BEGONIAS.

2000 **Red Vernon**, bedder, 2¼ in..... 1 50
2000 **Pink Erfordii**, bedder, 2¼ in..... 1.50
2000 **Sandersoni**, bedder, 2¼ in..... 1.50
5000 **Our selection**, named, 2¼ in..... 1.50
1000 **Flowering**, named, 12 vars., 6 in.... 10.00

Let us know your wants on **FERNS**, 5 in. 10.00

THE MORRIS FLORAL CO., Morris, Ill.

Mention the Florists' Exchange when writing.

SMILAX.

From flats, by mail, 50 cts. per 100; $1.00 per 1000. From 2 in. pots, $1.50 per 100; $13.00 per 1000.
CANNA, large-flowering, mixed, $1.00 per 100.

FRED BOERNER, Cape May City, N. J.

Mention the Florists' Exchange when writing.

COLEUS.

Crimson Verschaffeltii and Golden Queen, $7.00 per 1000, 75c. per 100; 2 in. pots, $1.50 per 100. Coleus in variety, $5.00 per 1000, 60 cts. per 100; 1¾ in. pots, $1.25 per 100.
AGERATUM, Blue and White, 75c. per 100; 1¾ in. pots, $1.25 per 100. Princess Pauline, $1.00 per 100 1¾ in. pots, $1.50 per 100.
GIANT ALYSSUM, $1.00 per 100.
SALVIA, Splendens and Bedman, $1.25 per 100; 2 in. pots, $1.75 per 100.
HELIOTROPE, 6 vars., named, $1.00 per 100; 1¾ in. pots, $1.50 per 100.
CUPHEA (Cigar Plant), $1.00 per 100.
FUCHSIAS, $1.50 per 100; 2½ in. pots, $2.50 per 100.
FEVERFEW, $1.50 per 100; $12.00 per 1000; 2 in. pots, $2.00 per 100.
VINCAS, $1.25 per 100; $10.00 per 1000. 4 in. pot, $8.00 per 100; $70 per 1000. Fine plants.
The above are rooted cuttings, except when noted. Cash must accompany all orders.

J. E. FELTHOUSEN, Schenectady, N. Y.

Mention the Florists' Exchange when writing.

VERBENA KING.



Verbenas, rooted cuttings, 60c. per 100; $5.00 per 1000; $22.00 per 5000. 2 in. fine plants, $2.00 per 100; $18.00 per 1000.

Ageratum, Lady Isabella and Cope's Pet, 60c. per 100; $5.00 per 1000.

60,000 Carnations

Special low prices to move them quick.

	100	1000
Flora Hill	$1.25	$10.00
Morello	1.25	10.00
M'y'r Pingree	1.25	10.00
Daybreak	1.25	10.00
Wm. Scott	1.00	7.00
McGowan	1.00	7.00

30,000 Violet, runners, California, $1.00 per 100; $8.00 per 1000.
20,000 Smilax, fine 2 inch plants, $1.25 per 100; $10.00 per 1000.
Daisies, California and Yellow Castle, $1.00 per 100; $9.00 per 1000; 2 inch, $2.00 per 100.
Heliotrope, 10 best varieties, $1.00 per 100; $8.00 per 1000. Fine 2 inch plants, $2.00 per 100; $18.00 per 1000.
Express paid on all rooted cuttings and satisfaction guaranteed; for that cash, please.

C. HUMFELD.

CLAY CENTRE, KANSAS.

Mention the Florists' Exchange when writing.

Unequaled Varieties **VERBENAS** Vigorous Stock.

IN BUD AND BLOOM.

	100	1000
Best Mammoths, strong pot plants	$3.00	$25.00
Older " strong pot plants	2.50	20.00

ROSES.

Bridesmaid, Bon Silene, Catherine Mermet, Duchess of Albany, Golden Gate, Maid of Honor, Perle des Jardins, Sunset, The Bride, from 2¼ in. pots, $4.00 per 100, $35.00 per 1000.

ROOTED CUTTINGS **CARNATIONS** VIGOROUS STOCK

General Maceo, G. H. Crane, $5.00 per 100 $50.00 per 1000.
America, Melba, Gen. Gomez, 75c. per doz.; $5.00 per 100; $40.00 per 1000.
White Cloud, Gold Nugget, $4.00 per 100; $30.00 per 1000.
Bon Ton, New York, Jubilee, Frances Joost, $2.50 per 100; $20.00 per 1000.
Flora Hill, Eldorado, Alaska, John's Scarlet, Sea Shell, Victor, $2.00 per 100; $15.00 per 1000.
Alaska, Lizzie McGowan, Wm. Scott, Portia, $1.50 per 100; $12.00 per 1000.

CHRYSANTHEMUMS.

Adula, Eclipse, Idavan, Kuno, Mrs. Barr, Meta, Mrs. F. A. Constable, Nagoya, Silver Wedding, W. H. Chadwick, Xeno, Pennsylvania, Philadelphia. Price, from 2¼ in. pots, $6.00 per 100; strong rooted cuttings, from soil, $3.00 per 100.

Autumn Glory, Black Hawk, Dolores, Dorothy Devins, Eureka, Elvena, Evangeline, Golden Trophy, G. F. Atkinson, G. W. Childs, Golden Wedding, H. W. Longfellow, J. H. Woodford, H. L. Sunderbruch, Iora, Lady Fitzwygram, Marsia Jones, Mrs. H. Weeks, Minnie Wanamaker, Miss Helen Wright, Maude Adams, Mrs. S. T. Murdock, Mrs. Perrin, Miss M. M. Johnson, Maud Dean, Modesto, Mrs. O. P. Bassett, Nemesis, Pitcher & Manda, Pink Ivory, Pride, Surprise, Vivland-Morel, Yellow Fellow. Price, from 2¼ in. pots, $4.00 per 100, $35.00 per 1000; strong rooted cuttings, from soil, $2.00 per 100, $17.00 per 1000.

Ada Spaulding, Belle of Castlewood, Benj. M. Giroud, Cullingfordii, Gladys Spaulding, Glory of the Pacific, Helen Bloodgood, Harry May, Ivory, J. E. Lager, J. H. Troy, Mrs. Jerome Jones, Merry Monarch, Marion Henderson, Major Bonnaffon, Mrs. S. Humphreys, Marguerite Graham, Mme. Ferd. Bergmann, Minerva, Mrs. H. Robinson, Niveus, Riverside, Rose Owen, T. B. Morse, Thos. B. Brown, W. R. Lincoln. Price, 2¼ in. pots, $3.00 per 100; strong rooted cuttings, from soil, $1.50 per 100.

NEW GERANIUMS

IT'S A GOOD TIME TO BRIGHTEN UP YOUR COLLECTIONS BY ADDING TO IT SOME OF THE RECENT INTRODUCTIONS.

A SET OF SIX SPLENDID NEW DOUBLE FOR $1.25
A SET OF SIX NEW BRUANT FOR $1.25
A SET OF FOUR NEW SINGLES FOR 75 CENTS
GERANIUMS, splendid assortment of best bedding varieties, $3.00 per 100; $25 per 1000.

Per 100

Acalypha Macafeana.....$5 00
Alamanda Williamsi..... 8 00
Begonia Rex..... 5 00
Begonia Manicata Aurea..... 5 00
Cobæa Scandens..... 4 00
Coleus, in variety..... 2 50
Cannas, all leading varieties, strong started plants..... 4 00
Hibiscus Sinensis, 5 varieties... 3 00
" **Siuensis Peachblow**.10 00
Hollyhocks, 4 separate colors..... 5 00
Lantanas, good assortment..... 3 00
Moon Vines, white and blue..... 3 00
Pinks, hardy garden..... 3 00
Salvia Splendens..... 2 50

ROSES!

LIBERTY, the new crimson-scarlet forcing rose, strong, 3 in. pots, $25 per 100.
EVERBLOOMING ROSES, large stock C. Soupert, Mosella, Champion of the World, Etoile de Lyon, Hermosa and 50 other best bedding varieties, $3.00 per 100; $25 per 1000.
CRIMSON RAMBLER, $3.00 per 100
MARECHAL NIEL.... 2.50 "

Strong, 2-year-old, field-grown Roses.

Per 100

Hybrid Perpetuals, in variety..$10 00
Hardy Climbers, in variety..... 8 00
Crimson Rambler, very strong 15 00
Wichuraiana..... 6 00
Wichuraiana Hybrids..... 8 00

AZALEA MOLLIS strong bushy plants, $35.00 per 100.

RHODODENDRONS Extra fine stock, well set with buds, 15-18 in., $7.00; 18-24 in., $9.00; 24-30 in., $12.00 per dozen.

THE STORRS & HARRISON CO., Painesville, Ohio.

Mention the Florists' Exchange when writing.

VINCAS AND LEMON VERBENAS FINE STOCK

VINCAS, 3 in., $6.00 per 100; 3½ in., $8.00 per 100; 4 in., $10.00 per 100; 5 in., $15.00 per 100.
LEMON VERBENAS, $3.00, $4.00 and $6.00 per 100.

Per 100

Abutilon Var., trailing, 2¼ in..... $4.00
Antherieum, 3 in..... 6.00

BEGONIAS—

Rex, 4 inch..... 10.00
" assorted, 2¼ in..... 4.00
" named, 2¼ in..... 6.00
Dracæna Indivisa, extra fine, 3 in..... 10.00
3½ in..... 15.00
4 in..... 25.00
5 in..... $35.00 to 50.00
Fragrant Calla, 2¼ in., 1.50 per doz.
Fragrant Calla, 4 in., $3.00 per doz.
Forget-Me-Not (Winter Flowering) 2¼ in..... $4.00
Fuchsias, 2¼ in..... 4.00

GERANIUMS—

S. A. Nutt, 2¼ in..... 6 00
" 3 in..... 8.00
La Favorite, 3 in..... 6.00
Happy Thought, 2¼ in... 4.00
Silver Leaf, 2¼ in..... 4.00
Mrs. Pollock, 2¼ in..... 4.00
Mignonette, 2 in..... $2.00
Manettia Bicolor, 2¼ in. 4.00
Palm Washingtonia Filifera, 2¼ in..... 4.00
Pansy Plants, $8 a 1000. 1.00
" " $5 a 1000. .60
Salvia, 2¼ in..... 3.00
" 3¼ in..... 6.00
Single Petunias, 2¼ in.. 3 00
" 3 in.... 5.00
Single Petunias, from flats..... 1.50
Vinca, 2¼ in..... 3.00

100,000 CUTTINGS.

Per 100

Achryanthes..... $1.00
Alternantheras, red and yellow.....$5 per 1000, .60
Ageratum blue and white, 1.00
" Princess Pauline, 1.25
Alyssum, Double Giant, 1.00
Begonia Erfordii..... 2.00
" **Rex**..... 2.00
" **Inc. Gigantea** 2.00

COLEUS—

Fancy and large leaf..... 1.00
Verschaffeltii, yellow and selected kinds, $7 a 1000, .80
Mixed colors, $5 per 1000, 0.60
Forget-Me-Not (Winter Flowering)..... 2.00

Per 100

GERANIUMS—

Named..... $2.00
Mixed..... 1.50
Mrs. Parker (Double Pink) Silver Leaf..... 4.00
Silver Leaf, Rose Scented 1.50
Mme. Salleroi..... 1.25
Double New Life..... 4.00
Mrs. Pollock and Happy Thought..... 2 00
Bronze..... 2.00
Mars, Fresk of Nature... 3.00
Mme. Bruant..... 2.50

Fuchsias, assorted..... 1.50
" **Sun Ray** (variegated) 4 00
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Per 100

German Ivy..... $1.25
Heliotrope, purple and white..... 1.25
Impatiens Sultani..... 2.00
Lantana, assorted..... 1.50
" trailing..... 2.00
Lemon Verbena..... 1.50
Lobelia..... 1.00
Manettia Bicolor..... 2.00
Tradescantia Tricolor. 2.00
Salvia..... 1.25
Stevia Var..... 1.50
Verbenas, $6.00 per 1000. .75
Vinca Var., extra strong 1.50
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	100	1000
Anthemis, Double Golden Marguerite.	$2.00	
Ageratum, blue and white	1.00	$8 00
" Princess Pauline	1.50	
Coleus, all leading sorts	1.00	8.00
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Feverfew	1.50	12.00
Heliotrope, light and dark	1.25	10.00
Impatiens Sultani	2.00	
Moon Vines, true	2.00	15 00
Salvias, Splendens and Bedman	1.25	10.00

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...Wholesale Prices of Cut Flowers...

	Names and Varieties	New York April 27, 1900	Boston April 26 1900	Philadelphia April 25, 1900	Baltimore April 24, 1900	Buffalo April 25, 1900
Roses	A. BEAUTY, fancy—special	10.00 to 15.00	16.00 to 20.00	.... to 40.00	.... to	30.00 to 50.00
	" extra	5.00 to 8.00	10.00 to 12.50	.... to 30.00	.... to 30.00	25.00 to 30.00
	" No. 1	4.00 to 5.00	4.00 to 8.00	15.00 to 20.00	12.00 to 25.00	15.00 to 20.00
	" Culls & ordinary	2.00 to 4.00	1.00 to 4.00	5.00 to 10.00	4.00 to 8.00	8.00 to 12.00
	Bride, Maid, fancy—spc'l	4.00 to 6.00	8.00 to 10.00	12.00 to 15.00	.... to	.... to ....
	" extra	3.00 to 4.00	4.00 to 6.00	8.00 to 10.00	.... to 6.00	7.00 to 8.00
	" No. 1	2.00 to 3.00	3.00 to 4.00	5.00 to 6.00	.... to 5.00	5.00 to 6.00
	" No. 2	1.00 to 2.00	1.00 to 3.00	2.00 to 4.00	.... to 4.00	3.00 to 4.00
	K. A. Victoria	.... to	1.00 to 4.00	6.00 to 10.00	3.00 to 16.00	.... to ....
	La France	1.00 to 4.00	.... to	.... to	3.00 to 5.00	.... to ....
	Meteor	1.00 to 3.00	2.00 to 8.00	2.00 to 10.00	4.00 to 6.00	4.00 to 7.00
	Papa Gontier	.... to	.... to	.... to	.... to 2.00	.... to ....
	Perle	1.00 to 3.00	.... to	2.00 to 8.00	3.00 to 4.00	.... to ....
	Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
	ORCHIDS—Cattleyas	.... to 30.00	.... to	.... to 50.00	.... to	.... to ....
	Cypripediums	.... to 12.50	.... to	.... to 20.00	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	.75 to 1.00	.... to 1.00	.50 to .75	.75 to 1.00	.... to 1.00
	STANDARD VARIETIES White	1.00 to 2.00	.... to 1.50	1.00 to 1.50	1.25 to 1.50	1.50 to 2.00
	STANDARD VARIETIES Pink	1.00 to 2.00	.... to 1.50	1.00 to 1.50	1.25 to 1.50	1.50 to 2.00
	STANDARD VARIETIES Red	1.00 to 2.00	.... to 1.50	1.00 to 1.50	1.25 to 1.50	1.50 to 2.00
	STANDARD VARIETIES Yel.&Var	1.00 to 2.00	.... to 1.50	1.00 to 1.50	1.25 to 1.50	1.50 to 2.00
	*FANCY— White	2.00 to 3.00	2.00 to 2.50	.... to 2.00	1.75 to 2.50	2.00 to 3.00
	*FANCY— Pink	2.00 to 3.00	.... to 2.00	.... to 2.00	1.75 to 2.50	2.00 to 3.00
	*FANCY— Red	2.00 to 3.00	.... to 2.00	.... to 2.00	1.75 to 2.5	2.00 to 3.00
	*FANCY— Yel.&Var	2.00 to 3.00	2.00 to 2.50	.... to 2.00	1.75 to 2.50	2.00 to 3.00
	NOVELTIES	3.00 to 5.00	.... to	3.00 to 5.00	.... to	.... to 4.00
	ADIANTUM	.50 to .75	.50 to .75	.75 to 1.00	.... to 1.00	.... to 1.00
	ASPARAGUS	35.00 to 50.00	.... to	35.00 to 50.00	25.00 to 75.00	50.00 to 60.00
	CALLAS	4.00 to 5.00	6.00 to 8.00	8.00 to 10.00	5.00 to 6.00	.... to 10.00
	DAISIES	.50 to 1.00	.... to	.75 to 1.50	.25 to .50	.... to ....
	HYACINTHS	.50 to 1.00	.... to	.... to	1.00 to 3.00	.... to ....
	LILIES	2.00 to 3.50	8.00 to 10.00	6.00 to 8.00	.... to 8.00	10.00 to 12.00
	LILY OF THE VALLEY	1.50 to 3.00	1.00 to 3.00	2.00 to 4.00	.... to 3.00	3.00 to 4.00
	MIGNONETTE—ordinary	1.00 to 3.00	.50 to 1.00	1.00 to 1.50	1.00 to 2.00	.... to 2.00
	" fancy	4.00 to 5.00	1.50 to 2.00	2.00 to 3.00	.... to	.... to ....
	NARCISSUS	.50 to 1.00	1.00 to 2.00	.... to	.... to .50	.... to ....
	SMILAX	15.00 to 25.00	.... to	15.00 to 20.00	15.00 to 25.00	15.00 to 20.00
	SWEET PEAS	1.00 to 2.00	.... to 1.00	.50 to 1.50	.... to .75	.75 to 1.25
	TULIPS	.50 to 1.00	2.00 to 3.00	.... to	2.00 to 3.00	.... to ....
	VIOLETS	.10 to .15	.30 to .50	.... to .25	.25 to .30	.40 to .50
	VIOLETS, special	.20 to .50	.... to .60	.50 to .75	.... to	.60 to .75

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

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...Wholesale Prices of Cut Flowers...

	Names and Varieties	Chicago Apr. 25, '00	St. Louis Apr. 23, '00	Cincinnati Apr. 23, '00	Milwaukee Apr. 23, '00	Pittsburg Apr. 23, '00	Toronto Apr. 24, '00
Roses	A. BEAUTY, fancy—special.	35.00—38.00	....—	....—	35.00—40.00	30.00—35.00	....—40.00
	" extra	25.00—30.00	....—	....—	15.00—18.00	15.00—25.00	....—20.00
	" No. 1	10.00—15.00	....—	....—	10.00—12.50	10.00—12.00	....—10.00
	" Culls & ordinary	5.00— 8.00	....—	....—	4.00— 8.00	3.00— 5.00	4.00— 6.00
	Bride, Maid, fancy-spec'l	6.00— 7.00	....— 8.0	6.00— 8.00	8.00—10.0	10.00—12.00	....—12.00
	" extra	4.00— 5.00	....— 6.00	5.00— 8.00	....— 8.00	8.00—10.00	....—10.00
	" No. 1	2.00— 4.00	....— 5.00	....— 4.00	....— 4.00	6.00— 8.00	6.00— 8.00
	" No. 2	....—	3.00— 4.00	....— 3.00	2.00— 3.00	3.00— 4.00	2.00— 4.00
	K. A. Victoria	4.00— 6.00	....—	....—	....—	3.00— 8.00	....— ....
	La France	4.00— 5.00	....—	....—	....—	....—	....— ....
	Meteor	3.00— 6.00	3.00— 6.00	3.00— 5.00	4.00— 7.00	3.00— 8.00	4.00— 8.00
	Papa Gontier	....—	....—	....—	....—	....—	....— ....
	Perle	2.00— 5.00	3.00— 4.00	....— 4.00	4.00— 6.00	3.00— 6.00	2.00— 8.00
	Souv. de Wootton	....—	....—	....—	....—	....—	2.00— 8.00
	ORCHIDS—Cattleyas	....—	....—	....—	....—	....—	20.00—25.00
	Cypripediums	....—	....—	....—	....—	....—	10.00—15.00
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	Inf'r grades, all colors.	.50— .75	....— 1.00	....— 1.00	1.50— 2.00	1.00— 1.50	.75— 1.25
	STANDARD VARIETIES White	1.25— 1.50	....— 1.5	....— 2.00	1.50— 2.00	1.50— 2.00	1.00— 3.00
	STANDARD VARIETIES Pink	1.25— 1.50	1.50— 1.75	1.50— 1.75	1.50— 2.00	1.50— 2.00	1.00— 3.00
	STANDARD VARIETIES Red	1.50— 1.75	....— 1.5	1.50— 1.75	1.50— 2.00	1.50— 2.00	1.00— 3.00
	STANDARD VARIETIES Yel.&Var.	1.50— 1.75	....— 1.5	....—	1.50— 2.00	2.00— 2.5	1.00— 3.00
	*FANCY— White	2.00— 3.00	2.00— 2.5	....— 3.00	2.00— 3.00	3.00— 4.00	....— 4.00
	*FANCY— Pink	2.00— 3.00	2.00— 2.5	....— 3.00	2.00— 3.00	3.00— 4.00	....— 4.00
	*FANCY— Red	2.00— 3.00	2.00— 2.50	....— 3.00	2.00— 3.00	2.50— 3.50	....— 4.00
	*FANCY— Yel.&Var.	2.00— 3.00	2.00— 2.50	....—	2.00— 3.00	2.50— 3.50	....— 4.00
	NOVELTIES	....—	....—	....—	....—	....—	....— 5.00
	ADIANTUM	.75— 1.00	1.00— 1.00	....— 1.00	....— 1.0	.75— 1.00	.50— .75
	ASPARAGUS	40.00—50.00	5.00—50.00	....—50.00	....—60.00	35.00—50.00	3.00—50.00
	CALLAS	6.00— 8.00	8.00—10.00	....—10.00	....—10.00	....—	4.00—10.00
	DAISIES	.50— .75	.35— .50	....—	....— .50	.75— 1.50	....— .25
	HYACINTHS	2.00— 4.00	....—	....— 4.00	....—	....—	2.00— 5.00
	LILIES	6.00— 8.00	8.00—10.00	....—10.00	10.00—12.50	5.00—10.00	4.00— 6.00
	LILY OF THE VALLEY	1.00— 4.00	....— 3.00	3.00— 4.00	....— 4.0	3.00— 4.00	2.00— 4.00
	MIGNONETTE—ordinary	2.00— 6.00	....—	....—	2.00— 3.00	.75— 1.00	1.00— 4.00
	" fancy	....—	....—	....—	3.00— 4.00	1.50— 2.50	....— 6.00
	NARCISSUS	1.00— 3.00	1.00—	....— 3.00	....—	....—	2.00— 4.00
	SMILAX	10.00—12.00	2.50—15.00	....—15.00	....—25.00	15.00—20.00	....—15.00
	SWEET PEAS	1.00— 1.50	.50— 1.00	....—	....— 1.50	.50— 1.00	1.00— 3.00
	TULIPS	2.00— 4.00	....—	3.00— 4.00	2.00— 4.00	....—	1.50— 4.00
	VIOLETS	.20— .40	....—	....— .50	....— .50	.30— .60	....— .50
	VIOLETS—special	.50— .75	.25— .40	....—	.75— 1.00	.75— 1.00	....— .75

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ASPARAGUS PLUMOSUS NANUS
CUT STRINGS, 8 feet long.
35 to 50 cts. per String.
Shipped to any part of the country.
Roses, Carnations, Violets, Valley, Sprengeri, Smilax, Galax, Ferns, Wild Smilax,
Mention the Florists' Exchange when writing.

Chicago.

Weather and Trade Conditions.

Indications point to a late Spring. The grass is at last green; buds of willows are slow of opening; lilacs are trying to bud out, but that is all. Everything else is as bare as in Winter, although we are entering the last week of April. These conditions are sure to occur here, when winds persistently veer to north or east off the lake. Stock of all kinds is accumulating, and prices are falling. The home demand seems to have quieted down since Easter, and it is almost certain that from this on lower values will prevail. The belated lily crops have shown up all week, being now well sold at from $6 to $8, and then hard to clear. Callas are in the same boat, being still quite abundant. In roses, long-stemmed Beauty realize $4 per dozen, down. A few fancy teas go at $8, but $5 to $6 is a more common price; No. 1 bring $3 and $4; shorts, and old stock, $2 to $3.

Carnations also are feeling the slump. The streets are gay with good red flowers, and when that is the case the price is low. Lots were sold this week at $10 to $15 per 1,000. Fancies will not go beyond $3, except in very rare instances; fine grades of standards realizing $1.50 to $2.

The violet supply is shortening up somewhat. Good frame-grown stock sells at 75c. Pansies, fine, large flowers, bring 5c. per bunch of 10, and are selling better. Bulbous stock, house grown, is not so plentiful now, but lots are coming in from the South. Lilac has made its appearance and is selling well. Some good antirrhinums at Easter brought $1 per dozen, but they will not fetch that figure now. Trailing arbutus is in.

Some New Buildings.

Now that the frost is at last practically out of the ground, and more favorable conditions for building present themselves, there are several notable extensions under way. Among them Peter Reinberg will shortly have ready for glazing 16 houses, 27½x250 feet—something like four acres more to be added to his immense establishment. The houses have iron posts and the Garland gutter is employed en bloc; glazing will be with 16x18 glass, three carloads of which are on hand, with two more to arrive. One-half of these houses will, when completed, be planted with Beauty, the remainder with Bride and Bridesmaid roses. Mr. Reinberg has 6,000 Liberty already planted, and two houses of Golden Gate. The room taken up by cuttings and pot plants of young roses and carnations at this place would alone make quite a large-sized establishment. When this new lot of houses is completed, starting along the sidewalk of the street, one may get a glimpse from the outside of a range of houses, each 250 to 265 feet in length, all end to end, and making within 300 feet of a half-mile tramp from one end to the other. This new addition will cost nigh upon $35,000.

George Reinberg will not build nor rebuild this year, but proposes to rearrange his heating apparatus, adding new boilers, etc. He is planting two houses of Liberty roses; had several houses of Kaiserin planted some time ago that are just beginning to give good cuts. He also is cutting regularly from his La France plants.

J. A. Budlong, Bowmanville, has the posts and benching nearly finished, and is ready for the rafters of four houses, 24x300 feet each. The stock here, all roses, is in very fine condition, and has given splendid cuts right along, of Beauty, Meteor, Bride and Bridesmaid.

John A. Grossman, on Lincoln avenue, is building new—using the old glass—eight houses, 20x100 feet. He hopes to finish the work in two or three weeks. Weber Bros. will rent and run these houses. Two smaller ones, for propagating, are to be added later.

Albert Fuchs' Place Sold.

The past week Albert Fuchs' splendid place has changed hands, the purchasers being Walter Retzer and Alfred Everett, who will conduct the business under the firm name of Retzer & Co. The establishment covers a space of 250 x300 feet, compactly built, with fine show house, office, dwelling, stables and two three-story stone front flats erected last year. The principal part of the stock on the place embraces 150,000 palms, of all sizes, besides quantities of palm seeds sown this Spring—ferns, roses and a general assortment. The site is an admirable one, close to the Sheridan Drive, with showy frontage. The establishment was started in a small way by Mr. Fuchs a dozen years or so ago, gradually reaching its present development. There is an excellent home trade in cut flowers, decorating, etc., with plenty of opportunity for expansion.

Mr. Fuchs expects to go to some German baths, being troubled with rheumatic affection. Walter Retzer is an educated young man, a graduate of Shaw's Garden, St. Louis, and for the last year was with O. C. Simonds, at Graceland Cemetery, acting in the capacity of landscape engineer. The building, stock and business as it stands cost something like $40,000, outside of the land, which is quite valuable.

Round About.

John Blank, on 43d street, did a fine Easter trade. He was rather short of potted lilies, but made a great hit with other bulbous stock.

The Art Floral Co. report a grand Easter business. They have some fine clivias in flower, and also were very successful with hydrangeas, which they grew at their place in Blue Island. They will go more extensively into the latter another year.

Chase, the florist, has removed to 145 22d street—two doors east of his old stand.

George Allen, formerly with Schubert, is now with the Anderson Floral Co., on Madison street.

O. J. Freedman has organized the Freedman Automobile Co.

J. C. Vaughan is on the Cook County April Grand Jury.

Visitors in the city: F. A. Belt, Sterling, Ill.; W. C. Kaber, La Porte, Ind.

Ess.

Cleveland.

An Unprecedented Easter Trade.

All of our florists interviewed within the few days since Easter report an unusually good business, exceeding in volume that of any previous season; and these reports are verified by the depleted stocks and general appearance of the houses of the growers. Never before was so much stock disposed of in so short a space of time. The weather during the entire week was cold and dull, and threatening until Saturday noon, when it changed to sunshine. The depressing conditions of the early part of the week held trade back until the last two or three days, and then it came on with a rush that overtaxed the facilities of all dealers to care for it.

Early preparations were made for a heavy trade and storekeepers engaged unusually large stocks of plants; by Sunday noon but very little was left on hand, most of their purchases having been disposed of at exceedingly good prices. Although the trade in cut flowers was good, values were not advanced to any great extent, and in most cases the rates for several weeks preceding Easter were obtained. Plants of all kinds were eagerly sought after and the entire stocks of both growers and dealers were consumed.

From early predictions a shortage in lilies was looked for, but the supply was larger than was expected, and in every instance quite equal to the demand. No scarcity in these flowers can be noted at this time.

Retail prices were $3 per dozen for best blooms; wholesale rate, 15c. per bloom. Roses were in good supply and prices asked were not above former quotations. Much choice stock retailed at $1.50 per dozen, while best blooms brought $2 and $2.50 per dozen.

Bulb stock was offered freely, and prices same as last quoted.

Violets were in brisk demand, and although large quantities were engaged by store keepers, their stocks were exhausted early and many orders remained unfilled.

Carnation prices were the same as last reported—60c. to 75c. per dozen for ordinary, and extras and fancy, $1; in some cases very fine blooms brought $1.50 per dozen.

The usual Easter window decorations were very fine.

At the Market.

The weather was so disagreeable that little Easter stock was offered at the markets until Saturday. At the Sheriff Street Market all day Friday was given to arranging the stands of the several growers. The management of this market had for several weeks advertised the "Annual Easter Flower Show," and, as usual, offered cash premiums for the best arranged display of flowers; many of the growers entered the competition for these premiums, and some very creditable displays were made. G. M. Naumann took the first premium, Fred. Burger second, John Mollenkopf third. The flower display being so widely advertised attracted thousands to it, and during Saturday afternoon and evening it was almost impossible for the florists, even with large forces of help, to handle the trade. When your correspondent visited this place at a late hour Saturday evening there was nothing of any account left to dispose of, plants of all kinds, cut flowers of all grades having found eager purchasers at unusually good prices. One grower stated that any price asked was readily paid by buyers.

Retail rates on cut blooms were: Carnations, 50c. to 75c. per dozen; tulips, 75c. per dozen; roses, teas, $2; hybrids, $3 per dozen. Crimson Rambler roses in pots brought $1 to $2 and $2.50 per plant. Azaleas from $2 to $10, according to size of plant; plants which bring ordinarily $3 sold at $5 each. Red varieties were in greatest demand.

Bulb stock in pots and pans was entirely cleaned up; nothing in this line was left on hand—a vast difference from conditions at Easter time a year ago.

Notes.

H. J. Bradbury, formerly with Michigan Floral Co., Detroit, recently took up a position in J. M. Gasser's store.

G. A. T.

Watkins, N. Y.

James McWilliams has succeeded J. E. Anthony as superintendent of the Glenfield Nurseries.

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Hot Bed Sash. Red Cedar Posts.

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Right After Easter
The selling of Spring Bedding Stock will be in order.
Novelty Booklets
Cards, etc., in colors, will help you.
Free samples ready April 16th. Apply early.
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RED TOWERS GREENHOUSES,
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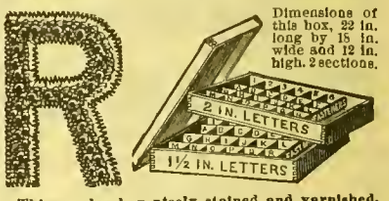
Manufacturers of FLORISTS' LETTERS.



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Fastener with each letter or word.
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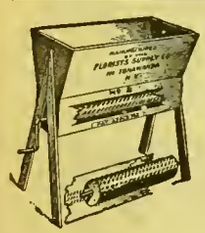

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1500 2½ " "	6.00	48 9 " "	3.60
1000 3 " "	5.00	48 10 " "	4.80
800 3½ " "	5.80	24 11 " "	3.60
500 4 " "	4.50	24 13 " "	4.80
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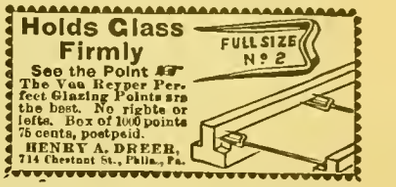

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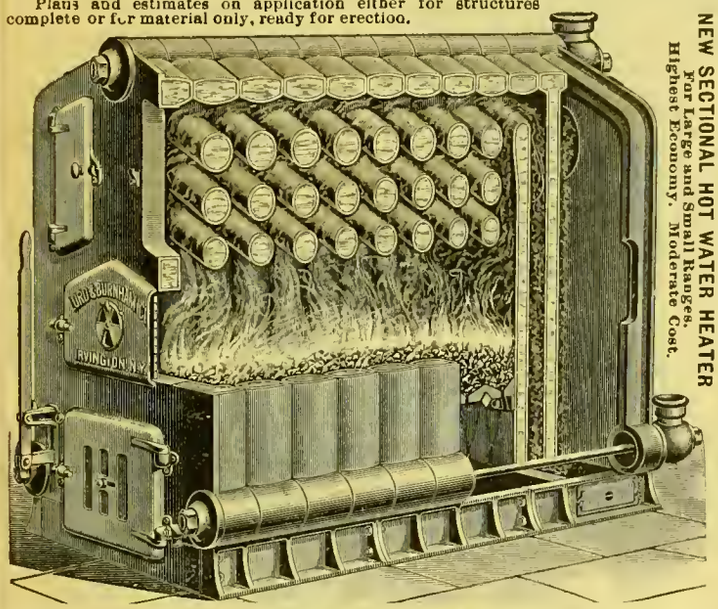

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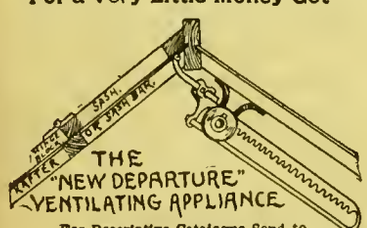

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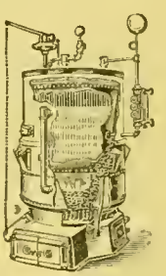

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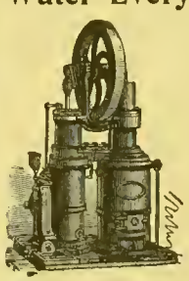

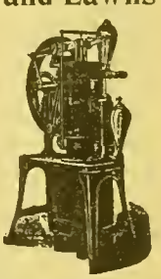

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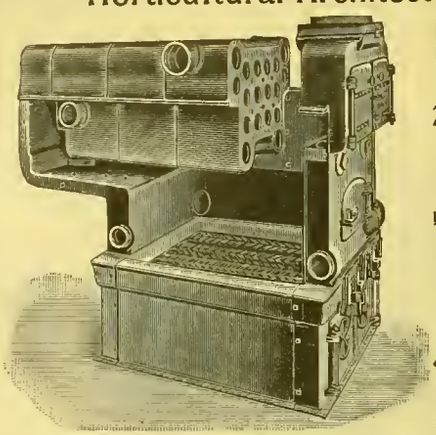

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Nikoteen, $1.50 Bottle. (Equal in strength to 200 lbs. stems.) — A cheap, clean and effective suggestion to all plant pests to move.

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Vaughan's Special Tall Mixture, contains all best varieties, including "Chameleon." Oz., 10 cts; ¼ lb., 30 cts; lb., $1.00.

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Tropaeolum Lobbianum, Mixed, best trailing variety for Window boxes. Oz., 10 cts.; ¼ lb., 15 cts; lb., 50 cts.

CALADIUM ESCULENTUM Clean, sound bulbs. 5-7 in., $3.00; 7-9 in., $4.50; 9-12 in., $8.00. Lots of 250 at 10 per cent. lower.

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(Elephant's Ear.)

	Per 100		Per 100
4-6 inch circum	$1.50	9-10 inch circum	$5.00
7-9 " "	2.50	10-12 " "	9.00

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Strong Large Roots.....per 100, $1.50

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Single Separate Colors.....per 100, $2.00

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Fine Large Roots.....per 100, $2.00

GLADIOLI.

Fine Size Bulbs, choice mixed.....per 100, 75 cts.

OXALIS.

Mixed.....per 100, 40 cts.; per 1000, $2.50

LILIUM AURATUM.

11-13.....per 100, $11.00

LILIUM RUBRUM.

8-9, $4.00; 9-11, $6.00; 11-13, per 100, $8.00.

LILIUM ALBUM.

8-9, $4.00; 9-11, $6.00; 11-12, per 100, $8.00.

CYCLOBOTHRA FLAVA.

Yellow, Spotted Brown Bell-Shaped Blossoms, 50 cents.

BESSERA ELEGANS.

Bright Vermilion, Scarlet, marked white on inner surface, 50 cents.

TUBEROSES.

Pearl, No. 2.....per 100, 30 cts.; per 1000, $2 25
Pearl, No. 1, 4-6...per 100 60 cts.; per 1000. 5.50

FAIRMOUNT PARK LAWN GRASS.

Per peck, 75 cts.....Per bushel, $2.50
Pint boxes for retailing.....per 100, $5.00
Quart boxes for retailing.....per 100, $10.00

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Box containing 200 packets, choice varieties, Aster, Sweet Alyssum, Sweet Peas, Petunia, Mignonette, etc., mailed on receipt of $3.00; retail value, $10.00. They sell themselves.

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Per Pound.....12 cts.

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Bale (300 lbs.).....$1.50

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ASTER Semple's Branching. In white, pink, lavender, crimson and purple. Per ⅛ oz., 15c.; per oz., 75c.

PRIMULA SEED Chinese Fringed, Alba Magnifica, Cœrulea Blue, Chiswick Red, Coccinea Superba, crimson Giant Rose, Magenta Queen, Magnum Bonum, Village Maid, striped, per 100 seed, 25c.

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When we offer you

Salvia Splendens, 4 in., at $7.00 per 100.
Caladium Esculentum 5 in. and over, at $2.15 per 100; $20.00 per 1000.
Double Excelsior Pearl Tuberoses, 4 to 6 in., at $6.25 per 1000.
Gladiolus, American Hybrid Mixed, strictly first size, 75 cts. per 100; $7.00 per 1000.

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Aster Victoria, branching, mixed, pale pink, lilac and purple, a good mixture for florists' use, 50 cts. per oz.

Crimson RAMBLERS, from 4 to 6 feet high, 2 feet wide, to full bloom.

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FLORISTS' FLOWER SEEDS **Sweet Peas**

Wholesale Catalogue on application.

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THE PEARL.

A1 Bulbs, $5.50 per 1000; 5,00 at $25.00.
Free on cars, New York City.
No. 2, $3.00 per 1000. 500 at 1000 rate.

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DUTCH BULBS

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Etc., Etc.

All bulbs carefully grown and guaranteed first-class and true. No auction stuff or trash.

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JUST RECEIVED FROM BRAZIL IN FINEST CONDITION:

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Offer As Long As Stock Lasts. Per 12, 10c.; 100, 75c.; 1000, $6; 5000, $28.75.

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NEW PRIMULA Sinensis Fimbriata. Pure white, rose, blood-red, crimson. 100, 25c; 1000, $1.75.
CINERARIA Cœrulea, True Blue. 100, 30c.; 1000, $2. **Dbl. Primuln,** in above colors. 100, $1.
CALCEOLARIA Grandiflora Hybrids, in most brilliant coloring. Packet about 500 seeds, 25 cts.
Hybrida Nana. Packet about 500 seeds, 25 cts.
Hyb. Grandiflora, packet, 25 cts. **Hyb. Nana,** packet, 25 cts.
Rugosa, shrubby, packet, 25 cts.

PANSIES We guarantee our Seed to be saved from finest sorts **Prize Blooms,** in separate colors, pure white, light and dark blue, red, bronze, pure yellow, black and gold, black, purple, auricula flore. 1000 seeds, 25c; 5000, $1.00. Mixed, 1000 seeds, 25c.; 5000, $1.00. Bugnot, Cassier, Odier, Trimardeau, Kaiser Wilhelm, Kaiser Frederick, Gold Else, Snow Queen, Victoria, Peacock, Lord Beaconsfield, Black Prince. 1000 seeds, 30c.; 5000, $1.25.

Selling off PURE WHITE IRIS KÆMPFERI, strong clumps, $1.00 per doz.; 6.00 per 100.

CYCAS REVOLUTA STEMS True long-leaved, sizes ½ lb. to 6 lbs., per 10 lbs., $1.00; 100 lbs., $8.00. Larger lots, liberal discount.

CLOSING OUT A small lot of **ASPARAGUS SPRENGERI SEED,** 50c. per 100; $4.00 per 1000
LATANIA BORBONICA, 25c. per 100; $1.50 per 1000; **COCOS WEDDELIANA,** all finest germination, 60c. per 100; $5.00 per 1000.

Send your list of wants in all **BULBS—Harrisii, Freesias, Callas, Romans, Narcissus, Japan Longiflorum, Azaleas, Fern Balls.** Will send you estimate and can save you money on **EARLY ORDERS.** Address

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NASTURTIUM **Tom Thumb,** mixed. Per ¼ lb., 15c.; per lb., 40c.; per 100 lbs., $35.00.
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ASTER **Semple's True Branching,** mixed. Per ¼ oz., 20c.; per oz., 50c.; per lb., $5.00. White, Red and Shell Pink. Per ¼ oz., 20c; per oz., 75c.

Queen of the Market, the earliest of Asters. White, Crimson, Blue and Red, in separate colors. Per ¼ oz., 15c.; oz., 50c.

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BEGONIAS **S'gle Tuberous Rooted** Pink, Yellow, Crimson and Yellow, in separate colors. 30c. per dozen; $2.00 per 100; $18.00 per 1000.

LILIUM **Auratum,** 7-9, in fine condition, $4.50 per 100.
Speciosum Rubrum, 7-9, $4.50 per 100.
Speciosum Album, 7-9, $5.75 per 100.

OXALIS **Summer Flowering,** mixed. 7c. per doz.; 25c. per 100; $1.50 a 1000.

TUBEROSES No. 1, **Dble. Pearl,** choice bulbs, 75c. per 100; $5 per 1000. No. 2, 35c. per 100; $2.50 per 1000.

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FLORISTS ARE INVITED
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ROMAN HYACINTHS
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Etc., Etc.
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NOW IS THE TIME TO BUY

ASPARAGUS PLUMOSUS NANUS SEED—(Home grown), $1.00 per 100 seeds. $9.00 per 1000 seeds.

ASPARAGUS SPRENGERI SEED. New Crop—75c. per 100 seeds; $6.00 per 1000 seeds.

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WHOLESALE PRICE LIST OF SEEDS, BULBS &c. ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS.

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California Saved Palm Seeds, Etc.

FRESH ON HAND.	100	1000	5000
Phœnix Canariensis		$0.50	$2.00
" Reclinata	$0.25	2.00	8.75
Asparagus Sprengeri	.65	4.50	20.00
Brahea Glauca	per pound, 75c.		
" Edulis	"		75c.
Chamærops Excelsa	"		40c.

Coreopsis Lanceolata.....per pound, $1.25

Australian Salt Bush (Atriplex Semibaccatum), per pound, 75c.; 50 lb. lots, 60c.; 100 lb. lots or over, 50c.

Now Booking Orders for
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Send for Quotations.

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VICK'S SEEDS

FOR FLORISTS.
All Home-Grown Seeds.

	¼ Oz.	Oz.
Aster, Vick's Daybreak, Pink	$1.50	$4.00
" " Purity, White	2.00	8.00
" Branching Comet, White	2.50	8.00
" Vick's Branching, in colors, White, Pink, Crimson and Purple, each	.25	.75

Trade List, also Garden and Floral Guide, now ready. Send for it.

JAMES VICK'S SONS, Rochester, N.Y.

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ASTER | COSMOS | PANSY | SALVIA | ZINNIA
BEANS | CLOVER | GRASS | ONIONS | PARSNIP

SEED TRADE REPORT

Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER ROGERS, Chicago, Ill., President; ALBERT MCCULLOUGH, Cincinnati, First Vice-President; F. W. BOLOIANO, Washington, Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

Germination of Seeds, and Chemical Fertilizers.—The late Gilbert H. Hicks, assistant botanist United States Department of Agriculture, sometime before his death made several experiments relating to the germination of seeds as affected by certain chemical fertilizers, and the result of these experiments has now been published in Bulletin No. 24, Division of Botany. The following are the conclusions arrived at:

(1) That muriate of potash and sodium nitrate used as fertilizers in strengths of 1 per cent. or more are very detrimental to the germination of seeds, whether applied directly or mixed with the soil.

(2) That fertilizers composed of phosphoric acid or lime are much less injurious to germination than sodium nitrate or muriate of potash, and if not used in excess may be harmless.

(3) That commercial fertilizers should not be brought into direct contact with germinating seeds.

(4) The effect of treating seeds with chemicals before planting is no index to the action of those chemicals when applied as manures to the soil.

(5) That the chief injury to germination from chemical fertilizers is inflicted upon the young sprouts after they leave the seed coat and before they emerge from the soil, while the seeds themselves are injured only slightly or not at all.

(6) It is highly improbable that potash, phosphoric acid, nitrogen, or lime used as fertilizers actually favor germination.

In the letter of transmittal Chief Botanist Coville remarks: "The general conclusion that a commercial fertilizer, unless known to be of a non-injurious kind, should not be brought into direct contact with germinating seeds should be made the basis of established practice."

A St. Louis seed house announces that it will open its store at 2:30 o'clock a. m., for the convenience of its customers.

Holland's Famous Tulip Craze.

"In the year 1634 the tulip craze in Holland," writes Clifford Howard, in the May Ladies' Home Journal, "became so great that the ordinary industries were neglected. No one wanted to do anything but raise tulips. A rare specimen offered for sale called forth excited bidding. Every one was on the lookout for special varieties. It was rumored at one time that there were but two bulbs of the Semper Augustus in existence in Holland. One of them was owned by a florist in Haarlem, and the other by a dealer in Amsterdam. This rumor was sufficient to arouse the liveliest commotion in tulip circles, and dealers and fanciers hurried forward with offers to purchase—each one endeavoring to outbid the other. The competition became so eager that finally one man offered 12 acres of city property for the Haarlem bulb; but the owner refused to sell. The bulb in Amsterdam was knocked down to the highest bidder for $1,900 in cash, two horses, a carriage and a set of harness—a total of about $3,000, which in those days was a fabulous sum."

European Notes.

During the past two days Nature has landed us into the middle of Summer, and if anything could galvanize into new life the plants on which our hopes are relying for next season's crops it would be such weather as we have enjoyed during the past five days. Unfortunately, it is now too late, and every day is adding to the failures of varieties that are needed the most.

Reports reach us from your side that sales have been rather slow. This should not be discouraging to holders of good stocks, for they will certainly realize full values next year. Already values have risen considerably and the prices now being realized by European dealers for cabbages, mangels, kohl-rabi, rutabagas and rape would make some of your merchants open their eyes. An "eye opener" in the opposite direction is to be found in one of the "cheap and nasty" seed catalogues that is being sent broadcast throughout the British Isles. In this precious production all seeds are offered in penny (i. e. 2 cent) packets, from orchids to mustard and cress. The hollow device of stating the number of seeds in each packet will cause a smile on the face of the purchaser of such articles as anthurium, chianthus, coffea, thea, lapergeria (sic.) and seven varieties of palms, etc., when they find the packet contains one seed. This is playing to the gallery with a vengeance, and it is not surprising to find it stated on the title page that "this new system will in a few years revolutionize the seed trade."

The novelties in narcissi which have appeared thus far have presented no very striking feature. Those most likely to be of use to seedsmen are N. Poetaz (what an ugly name), a hybrid between the Poet's narcissus and N. Tazetta. This was exhibited in several different colors, and the general opinion is that if they are as useful for outdoor cultivation as they are for pot culture there is certain to be a good demand for them when they can be bought at a reasonable price. A double form of the Campernelle Jonquil also attracted attention, and received an award of merit from the Narcissus Committee.

EUROPEAN SEEDS.

TUBEROSES

Selected Excelsior Pearl Strain. Extra large blooming bulbs. First size, **$5.75 per 1000.** Cash with order from unknown correspondents. Address

The Dingee & Conard Co., West Grove, Pa.

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Danish Cauliflower Seed

Early Dwarf Danish Snowstorm, selected up and grown by the leading specialist of Denmark. Always uniform; fine large white heads, early. No better seed offered at any price.

One Quality Only. The Best.
$2.50 Per Ounce. Per Quuce, $2.50.

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Wholesale Seedsmen

14 & 16 Ninth Ave., 411, 413, 415 Sansome St.,
NEW YORK. **SAN FRANCISCO.**

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PALM SEEDS

FRESH ON HAND.

	100	1000	$000
Phœnix Tenuis	$0.75	$5.00	$13.50
" Pumila	1.00	8.00	22.50
Pandanus Utilis	1.25	10.00	27.50
Asparagus Plum. Nanus, true	1.25	9.00	26.50
" Sprengeri	.75	6.50	18.00

L. J. SCHILLER, 404 E. 34th Street, New York.

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ROSES

Jersey Beauty, Gardenia, Evergreen Gem.
Three New Roses, from 3 and 4 inch pots, $15.00 per 100.

DORMANT ROSES

2 years old, $4.00 per 100.

CRIMSON RAMBLERS

4 inch pots, $8.00 per 100.

50 Varieties H. Tea, H. P., and Everblooming Roses, in 3 and 4 inch pots, $10.00 per 100.

Bride, Bridesmaid, American Beauty, and Other Greenhouse Roses, PRICED UPON APPLICATION.

Thousands of AMPELOPSIS VEITCHII and CLEMATIS PANICULATA Still On Hand.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

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SWEET PEAS

Buy your supplies from the growers, and you are sure to get them pure and reliable.

	Per 5 lbs.	Lb.
Blanche Ferry, white and pink	$1.00	$0.25
Blushing Beauty, the best pink	1.00	.25
Captain of the Blues, the best blue	1.00	.25
New Countess, the best lavender	1.00	.25
Sadie Burpee, new, the best white	3.00	.75
Salopian, the best crimson	1.50	.40
Countess of Aberdeen, pink edged rose	1.00	.25
Golden Gleam, yellow	1.00	.25
Grey Friar, white veined purple	1.00	.25
Prince Edward of York, scarlet	1.00	.25
Monarch, deep maroon	1.00	.25

We have a great number of other varieties. Write for list.

PERRY WATSON & CO., Sacramento, Cal.
Wholesale Seed Growers and Merchants.

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CLEARY & CO.,

Horticultural Auctioneers,
Sales Every Tuesday and Friday,
60 Vesey St., NEW YORK.

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SEEDS Primula chinensis fimbriata, Cineraria, Cinceolaria, Cyclamen, Pansy, Germ, Giant, Benary and Cannell's strain, mixed or separate colors, trade pkt. 25c.; Cryptomeria and Cupressus Lawsoniana, fresh crop, 1000 seeds, $1. **Shellrod Greenhouse & Seed Company, Grange P. O., Baltimore, Md.**

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TRADE BOOKS

Commercial Plants:
Their Propagation and Culture.
(To be shortly issued.) A working handbook of every-day practice for the florist or gardener. Price, $1.00.

Commercial Violet Culture.
A Treatise on the Growing and Marketing of Violets for Profit. Price, $1.50.

Residential Sites (Landscaping).
A Complete Manual on the Planning, Planting and Maintenance of Home Grounds, from a 25x100 foot lot to large estates. Full cloth. Price, $2.50.

The Water Garden.
The only text book published that deals exclusively with the cultivation of Aquatic Plants and Accessories. Price, $2.00.

Telegraph Code:
For Florists, Nurserymen and Allied Industries. Price, $2.50.

Success with House Plants.
For Florists to sell over the counter to customers. Cloth, $1.00; paper, 50 cts.

Right Word in the Right Place.
A Dictionary of Synonyms. Paper, 10c.

The above books are all from the press of the publishers of the FLORISTS' EXCHANGE, and will be added to steadily. They are standard authorities in trade lines, and every tradesman and grower should possess this library. For sale by

A. T. DE LA MARE PTG. AND PUB. CO. Ltd.,
Nos. 2 to 8 Duane St., New York.

To Close the Season.

1000	Queen of Prairie	Very Heavy at $55.00 per 1000, $6.00 per 100.
500	Balto. Belle	
500	Empress China	
500	Assorted H. P. Roses	
1000	Pink Rambler, nice, $3.50 per 100.	

EVERGREENS.

Black Hills Spruce, 3-4 ft., transplanted,		$0.50
" " " 4-6 ft.,	"	1 00

English Yew, Hemlock, Koster's Blue Spruce and other choice varieties in

Fine Specimens.

CLEMATIS PANICULATA, JACKMANNI, ETC.,
STANDARD HYDRANGEAS,
STANDARD ROSES, PYRAMID BOX,
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HIRAM T. JONES,
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SPRING 1900 SPRING

Clematis, in the best market varieties, mostly Jackmanni, $20 per 100.

H. P. Roses, true to name, strong, fine plants, $10 per 100; $80 per 1000.

Azalea Mollis. Dwarfs, fine, well-budded plants, $35 and $45 per 100.

Azalea Mollis, Standards, fine, $75 a 100.

Azalea Pontica, extra fine, $45 per 100.

Lilacs, for forcing, $45 per 100.

Pæonia Sinensis, in the best varieties, true to name, $15 per 100.

Bleeding Heart, mammoth clumps, $10 per 100.

Gloxinia Erecta, extra fine, $40 per 1000; $5 per 100.

Tuberous Rooted Begonias, in separate colors, the cream of the market. Single, as above, $25 per 1000; $3 a 100. Double, " $40 " $5 "

CYCAS REVOLUTA The true long-leaf variety, will be on hand during April. Write for prices on all other goods to

F. W. O. SCHMITZ, Jersey City N. J.

Mention the Florists' Exchange when writing.

RHODODENDRONS

Hardy Hybrids, at 60c. **Catawbiense,** Hardy, at 45c.

CRIMSON RAMBLER 2 yrs., at 15c. **DAHLIAS** Strong tubers, large collection, at 6c.

W. & T. SMITH COMPANY, Geneva, N.Y.

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Desire to call the attention of Florists and Nurserymen to their 40 acres of **HARDY ROSES,** their complete assortment of **FRUIT** and **ORNAMENTAL TREES** and **SHRUBS,** and their 44 Greenhouses of **ROSES, PALMS, FICUS, FERNS, ETC.**

Correspondence and personal inspection solicited. Trade List and Catalogues free.

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AMERICAN HOLLY (Ilex Opaca)

This is one of America's most beautiful evergreens. Its foliage varies very little from that of the English Holly, and its rich clusters of scarlet berries make a good substitute for flowers in the Winter shrubbery. It is hardy in almost any locality. To insure safety in transplanting, the leaves should be removed from the plant at that time.

1 to 2 ft., transplanted, heavy.....$4 00 per 10; $30.00 per 100.
2 to 3 ft., " " ..... $6 50 " $50.00 "
3 to 4 ft., " " .....$9.00 "

ANDORRA NURSERIES, Wm. Warner Harper, Proprietor, Chestnut Hill, PHILA., PA.

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TREES

Fruit Trees, Small Fruits, including grapes, Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. **Rochester, N. Y.**

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OAKS 10,000

Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

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100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogues on application. Send estimate of wants for prices.

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BAY TREES Standards and Pyramids.

Write for Prices.

BOBBINK & ATKINS, Rutherford, N. J.

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P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS,	AZALEAS,
SPIRÆA JAPONICA,	LILIUM SPECIOSUM
PÆONIES,	BLEEDING HEART
POT GROWN LILACS,	HYDRANGEA IN SORTS.

CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.

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CLEMATIS.

Large flowering, fine plants in best condition for immediate planting, of the following varieties: Jackmanni, purple; Henryi, white; Grand Duchess, large white; Ramona, lavender; General Grant, crimson; Marvel, snow white; Star of India, purple and red; Duchess, double white; Comtess Lovelace, double lavender; Princess, blue, white border; Mad. Andre, red; Gipsy, maroon; Duke of Norfolk, large blue; Reomeina, red; Belle of Woking, beautiful full double blush; new Jackmanni Superba, a grand variety, much superior to Jackmanni; Mme. Baron Veillard, pink; Gen'l Wolseley, purple and red. Strong-growing 2-year plants, 15c.; **$1.75** per doz.; **$14.00** per 100. 25 at 100 rates.

CLEMATIS PANICULATA A fine lot in three sizes, **$1.00, $1.50, $2.00** per dozen, very heavy plants.

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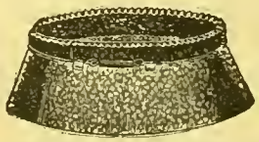

EXPANSIVE TREE PROTECTOR.

Absolutely prevents all worms and insects from crawling up fruit and shade trees. For agency, territory and prices, address

EXPANSIVE TREE PROTECTOR CO., ROCHESTER, N. Y.

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Semple's Aster

Choicest Home-Grown Seed in white, shell-pink and lavender, ¼ oz., 25c.; oz., $1.00. Catalogue on application, of leading flower and vegetable seeds for florists and market-gardeners.

W. C. BECKERT, Allegheny, Pa.

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AZALEAS - PALMS - NEW PLANTS BAY TREES } **SANDER** BRUGES, BELGIUM.

The largest and finest stock on the Continent.

A. DIMMOCK, our representative, is now in the U. S. and will be pleased to reply to any communications addressed to **60 Vesey Street, New York.** Lists on application.

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NEW SHELLBARK--HICKORY NUT, "Hornor's Special."

RARE EVERGREEN TREES
200,000 HANDSOME SHADE TREES,
and Meech's Prolific Quince, at greatly reduced prices. CATALOGUE FREE.

CHAS. B. HORNOR & SON, Mt. Holly, N. J.

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SURPLUS FOR SPRING 1900

Can yet do **PEACHES** and **JAPAN PLUMS** in limited quantity; also **MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY, STRAWBERRIES** from best leading varieties. Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.
ALEX. PULLEN, PROPRIETOR.

Mention the Florists' Exchange when writing.

EDWARD B. JACKSON,

Wholesale Florist.

Hardy Herbaceous Plants Only

In any quantity for the least money.

STAMFORD, CONN.

Mention the Florists' Exchange when writing.

THE PINEHURST NURSERIES,

OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.

Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda nitida, Fotbergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Dionæa muscipula, Lupinus diffusus, Phlox subulata, Sarracenias, etc., etc. **Ask for Trade Lists.**

Mention the Florists' Exchange when writing.

LETTUCE Boston Market, Tennis Ball, Curled Simpson, Grand Rapids, and other vars., 15c. per 100; $1.00 per 1000; $8.50 per 10,000; if by mail, add 10c. per 100.

TOMATO Small plants for transplanting, in several varieties, 15 cts. per 100; $1.00 per 1000.

PEPPER Small plants for transplanting, in several varieties, 25c. per 100; $2.00 per 1000. If by mail, add 10c. per 100.

EGG PLANTS New York Improved for transplanting, 25c. per 100, $2.00 per 1000.

CELERY Golden Self Blanching and White Plume, 15c. per 100, $1.00 per 1000

Other vegetable plants in season. Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

STRAWBERRY and other SMALL FRUIT PLANTS

FRUIT TREES, Etc.

Strawberry plants, such as Michel's, Tennessee and Earliest at 40c. per 100, $1.50 per 1000; Wm. Belt, Gandy, Bubach, Haverland, Kentucky, Glen Mary, Marshall, Lovett, Eclipse, Greenville, Champion England, Pride of Cumberland, Carrie, Clyde, Ball's Favorite, Lady Thomson, Bismarck, Cumberland, Seaford and some others at 50c. per 100, $2.00 per 1000; Nick Ohmer, $1.00 per 100, $4.00 per 1000; Pres. Lincoln, $1.00 per 100.

Asparagus Roots, strong, 2 year. Conover's, Colossal, Palmetto and Barr's Mammoth, $1.00 per 100; $4.00 per 1000.

10,000 Kansas (black) Raspberry, 75c. per 100; $4.00 per 1000; $7.00 per 2000. Other Raspberries, Blackberries, etc., Peach and other fruit trees. For price list address

CHAS. BLACK, Hightstown, N. J.

Mention the Florists' Exchange when writing.

F. & F. NURSERIES SPRINGFIELD NEW JERSEY.

Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.

Mention the Florists' Exchange when writing.

C. H. JOOSTEN, SPECIAL, Hardy Azaleas, Rhododendrons, Dwarf and Tree Roses, Crimson Ramblers, Hermosa, own roots, Spring Flowering Bulbs, Etc.
Catalogue on Application. 85 DEY STREET, NEW YORK.
Mention the Florists' Exchange when writing.

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN

WILSON J. PETERS, Troy, O., President; D. S. LAKE, Shenandoah, Ia., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

Robert Douglas Son's, Waukegan, Ill., inform the nursery trade that there is no foundation to the report circulating in Western newspapers to the effect that this nursery has been sold. This will not be done as long as the present proprietors live, as they look upon the nursery as a monument to their late revered father.

Two agents of the Division of Forestry left Washington recently to organize an investigation of commercial trees, which will be carried on in western Washington this Summer. They will be joined in a few weeks by about 20 assistants. The chief object will be to determine the rate of growth and the stand per acre of forests of different ages under varying conditions. From this data can be reckoned the time required to produce a second crop on cut-over land, and lumbermen can decide whether it will be profitable to hold and pay taxes on such property. Some work of this kind was done on the red fir last Summer. This will be completed, and about July 1 the Western hemlock will be taken up. A party will also go to California to study the redwood about the same time.

American Association of Nurserymen.—The twenty-fifth annual convention of this association will be held at the Chicago Beach Hotel, June 13 and 14. Among the subjects to be discussed are: "The Retail Nursery Business," by N. W. Hale, Knoxville, Tenn.; "Reminiscences of Our Association and its Members, up to its Silver Anniversary," by N. H. Albaugh, Phonetoo, O.; "Some New Lines of Work for Prairie Nurserymen," by Professor N. E. Hansen, Brookings, S. D.; "The Future of the Nursery Business in Our New Possessions," by R. C. Berckmans, Augusta, Ga. Special rates of one fare and a third for the round trip have been granted by the railroads.

The Question Box will be largely drawn from, and altogether a most satisfactory meeting is looked forward to.

The Experiment Stations.

SPRAYING NOTES. By Professor L. H. Bailey and others. Bulletin 177, Cornell University Agricultural Experiment Station, Ithaca, N. Y.—The bulletin states that the old kerosene and soap emulsion—the vilest of concoctions—seems to be doomed; the kerosene and water emulsion is to take its place. Regarding the San José scale the following significant remarks are made:

"The San José scale is still with us. It will stay. There is no hope of eradicating it. Then every man should be prepared to meet it. He should not rely on state control alone. For three seasons now we have experimented with the kerosene and water emulsion—as others have done—and have found that it is a specific for the scale. In the proportion of 1 part of oil to 5 of water in Summer, and 1 to 4 in Winter, it will kill the scale. Can a man hope to annihilate the scale, then, by spraying? No. On plants which he can spray thoroughly and frequently he can hope to eradicate it; but I should not expect him to eradicate it from a large and badly infested plantation any more than he can eradicate the apple scab or the bark louse. But I should expect him to keep it in check. Spraying for San José scale must come to be an accepted practice, as spraying for potato blight is. All this means that the grower should not be frightened, but should be self reliant and determined. But the state should help him. The law should not help him less, but more. Nursery stock should be fumigated with hydrocyanic acid gas, under strict control. It would be folly to attempt to burn every infested tree or bush wherever found; but the law should be so amended as to allow a properly qualified officer to destroy plants which, in the judgment of experts, are a menace to the general weal."

PANSIES
Large, stocky transplanted plants, showing bud, from cold frames, 50c. a 100; $3.50 a 1000; 5000, $15.00.
Geraniums, Grant, Hill, Nutt, Pink and La Favorite, all in bud and bloom, 4 inch, $6.00 per 100.
Heliotrope, 3 inch, $3.00 per 100.
Lobelia, in bud and bloom, 2¼ inch, $2.00 per 100.
WHITTON & SONS, Wholesale Florists,
City and Green Sts., Utica, N. Y.
Mention the Florists' Exchange when writing.

PANSIES Funkia, Hulalia, Mist.
See needs and exchange offer in previous issues.
Good, strong, field-grown **Pansies,** in large variety, commenced flowering in September, per 1000, $12.00; in October, per 1000, $10.00; for May and June flowering, per 1000, $8.00. Strong seed bed Pansies, $3.50 per 1000. **Perennial Phlox,** mixed varieties, $3.00 per 100. **Mist,** $5.00 per 100. **Funkia Lancifolia,** $1.50 per 100. Cash With Order, Please.
W. C. JENNISON, Natick, Mass
Mention the Florists' Exchange when writing.

PANSIES
The Jennings Strain.
Extra fine stocky plants from cold frames, in bud and bloom, $1.50 per 100; $13.00 per 1000. Second size, fine plants, in bloom, $1.00 per 100. Cash with order.
E. B. JENNINGS, Lock Box, 254. Southport, Conn
Grower of the finest Pansies.
Mention the Florists' Exchange when writing.

Pansies Worth Raising
Small plants all sold.
Now left but flowering plants from field, at $2.00 per 100, and up.
C. SOLTAU & CO., 199 Grant Avenue, Jersey City, N. J.
Mention the Florists' Exchange when writing.

NORTHERN FLORISTS
Who have never had direct shipments of
CAPE JESSAMINE BUDS
From us should try at least a small shipment this year.
We have 2000 customers at Points North of Mason and Dixon Line.
Give us sufficient time on Decoration Day Orders.
SEASON: (GRANDIFLORA) May 8th to June 5th.
SUPPLY: Ample to fill all orders.
QUALITY: Guaranteed equal to or better than any other stock available at this date.
GUARANTEE: Fresh and fragrant condition on arrival at destination at any Express point in U. S. or Canada.
EXPRESS RATE: 20 per cent. less than cut flower rates and in some instances even more favorable.
PRICES: 75 cts. per 100; $6.50 per 1000. 500 at 1000 rate.
Alvin is the largest Cape Jessamine Shipping Point in the World.
C. W. BENSON, Alvin, Tex.
Mention the Florists' Exchange when writing.

Jackman's New Hybrid Coccinea Clematis



HYBRID CLEMATIS DUCHESS OF YORK.

We have been appointed Sole Agents for the United States and Canada by Messrs. Jackman & Sons.
An entirely new and distinct type, being crossed between Clematis Coccinea and Star of India, both of which succeed well in our climate. They combine all the good points of their parents in hardiness, vigorous growth and freedom of bloom, which, together with their entirely distinct coloring and novel shape, will make them valuable additions to our list of Hardy Climbers.
Countess of Onslow.—A bright violet-purple with a broad band of scarlet down the center of each petal; it is of open bell-shape form, with four to six petals to each flower; very useful for decorative purposes, as when cut will keep fresh in water for several days. $1.25 each.
Duchess of Albany.—A beautiful bright pink, deeper down the center, softening down to lilac pink round the margin; campanulate in shape, useful for cutting. $1.25 each.
Duchess of York.—A delicate and pleasing shade of pale pink, with a deeper tinge down the center of each petal, of campanulate form, with four to six petals to each bloom, useful for cutting. $1.25 each.
Grace Darling.—A delicate hue of bright rosy carmine, star-shaped blooms. $1.50.
The Set of Four Varieties, One of Each, $5.00.
HENRY A. DREER, 714 Chestnut St., PHILADELPHIA.
Mention the Florists' Exchange when writing.

SCHMIDTS PANSIES Fine, stocky plants at 50 cts. per 100; $3.50 per 1000
Also a few large plants, in bud and bloom, $1.00 per 100.
J. C. SCHMIDT, Bristol, Pa.
Mention the Florists' Exchange when writing.

PANSY PLANTS
Fine, strong plants in bloom, separate colors or in mixture. Transplanted last fall and wintered in cold frames. Ready for immediate sales. $1.50 per 100; $14.00 per 1000.
D. Wm. Brainard, Florist, Thompsonville, Conn.
Greenhouses Pease Street.
Mention the Florists' Exchange when writing.

STRAWBERRY PLANTS Extra Fine well-rooted
plants of Brandywine, Glen Mary, Lovett, Marshall, Sharpless and Gandy, at $2.00 per 1000.
GUSTAV PITZONKA, Bristol, Pa.
Mention the Florists' Exchange when writing.

TREES! TREES!
Norway, Sugar and Silver Maples
Norway Spruce and Arbor Vitæ
WM. J. CHINNICK, Trenton, N. J.
Mention the Florists' Exchange when writing.

BORDEAUX MIXTURE
Now is the time to spray. Put up in lacquered 1 gallon cans, $6.00 per doz. Sample can, 50c.
SPRAYERS The new Star Sprayer (tin), 50 cts.
The new Imperial Sprayer, Glass and Tin, 75c.
GLENSIDE CHEMICAL CO., Glenside, Pa.
Mention the Florists' Exchange when writing.

OAK PARK NURSERIES
ARBOR-VITÆ 3-4 ft. 2½-3 ft.
CAL. PRIVET 2 years.
M. F. TIGER, Patchogue, N. Y.
Mention the Florists' Exchange when writing.

Yucca Filamentosa
Fine, large plants, $10.00 per 100.
SAMUEL C. MOON, Morrisville, Pa.
BUCKS CO.
Mention the Florists' Exchange when writing.

IRISH JUNIPER
HANDSOME LITTLE TREES.
Heavily rooted, and May 1st to 15th is just the time for moving them.
4 to 6 in. at.....$2.50 per 100
6 to 8 in. at..... 3.00 "
8 to 12 in. at..... 3.25 "
12 to 18 in. at..... 5.00 "
Add larger ones if you want them.
W. P. BRINTON, Christiana, Pa.
Mention the Florists' Exchange when writing.

FRUIT AND FLOWER PLATES
Seed Packets and Supplies of all kinds for
NURSERYMEN, FLORISTS and SEEDSMEN
SEND FOR PRICE LIST.
Stock Cuts, 10c. per square inch. Engraving by all processes. Printing and lithographing.
Illustrated Catalogue a Specialty.
VREDENBURG & CO., Rochester, N. Y.
Mention the Florists' Exchange when writing.

MYRTLE For Cemetery and Carpet Work.
The Largest Stock in the Country.
Rooted Cuttings by mail, prepaid, per 100, 70c.; per 100, $4.50. Large field-grown clumps, per 100, $6.00.
Creeping Phlox, red and white, 4 to 6 in. clumps, per 100, $4.00.
Divided **Dahlias,** roots, 15 best kinds, all colors, mixed, per 100, $3.00.
Tuberoses, 3 to 4 inch, should blossom this season, per 100, 60c.; per 1000, $4.50. 1½ to 3 in., per 1000, $3.00; ¾ to 1½ in., per 1000, $2.00.
Sweet William, clump, transplanted in Sept., per 100, $4.00; per 1000, $35.00.
Echeveria, for bedding, 2 to 4 in., $3 per 100; 1 to 2 in., $2.50 per 100; ½ to 1 in., $2 per 100.
All f.o.b. New York express or freight. Cash with order.
F. A. BOLLES, Lawnwood, Brooklyn, N. Y.
EAST 10TH ST., NEAR AVE. L.
Mention the Florists' Exchange when writing

CANNAS Our selection, started, ready for potting:

Mme. Crozy, Chas. Henderson, Egandale, Florence Vaughan, J. C. Vaughan, Queen Charlotte and ten other good varieties.

Price, $3.00 per 100; $25.00 per 1000. 4 in. pot plants, $6.00 per 100.

MAURANDYA VINE, roses and alba, just what you want for baskets and vases, 3 cts.
ALTERNANTHERAS, R. Nana, A. Nana, P. Major, 2½ cts.; R. C., 60 cts. per 100; $5.00 per 1000.
GERANIUMS, Salleroi, Mrs. Taylor, Walnut and Rose, 2½ cts.
VINCA MAJOR, white leaf, 2½ in., 2½ cts.
BEGONIAS, in variety, 2½ cts.
TRAILING LANTANA, 2½ cts.
GNAPHALIUM, fine for baskets, etc., 2½ cts.
ACHYRANTHES, 2½ cts.
COLEUS, Beckwith Gem, Queen of West and other varieties, 2 cts.; R. C., 75 cts. per 100.
TRADESCANTIA Multicolor and **GIANT SWEET ALYSSUM,** 2 cts.; R. C., 75 cts. a 100.
CASH, PLEASE.

A. J. BALDWIN, Newark, Ohio.
Mention the Florists' Exchange when writing.

BRIDES AND 'MAIDS

2½ inch, ready for a 3 inch shift.

$3.00 a 100; $25.00 a 1000.

CASH WITH ORDER.

J. B. HEISS, The Exotic Nurseries, **Dayton, Ohio.**
Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Bonnaffon, Bergman, Glory of Pacific, J. E. Lager, M. Henderson, White Monarch. Can be furnished by the 100 at $1.00, by mail; by the 1000 at $9.00, by express.

ORANGE FLORAL CO., West Orange, N. J.
Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

From 2½ inch pots, $2.00 per 100.

Bergmann,	Modesto,	Bonnaffon,
Mrs. Robinson,	Shrimpton,	Merry Xmas,
Ivory,	Merry Monarch,	Mrs. C. P. Bassett,
Glory of Pacific,	Mayflower,	William Brook,
Phenomenal,	J. E. Lager,	Liberty,
Maud Dean,	Viviand-Morel,	G. W. Childs.

R. E. EDE, Coney Island Ave., Parkville, **Brooklyn, N. Y.**
Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Bergmann, Whildin, Modesto, Midge, Glory of Pacific, M. Henderson, Lager, Bonnaffon, Robinson, Nivens, M. Dean, Florence Pullmann, Merry Monarch, Childs, Phœbus, Erminalde, Shrimpton, Evangeline, Boehmer, Iora, E. Frass, Bigelow, Yanoma, F. Hardy, Merry Christmas, Queen, L. Canning, V. Morrell, Silver Cloud, White and Pink Ivory, Pitcher & Manda. 12 Pennsylvanis and Philadelphia gratis with each order for 100 plants; from 2½ and 2 inch pots, $2.50 per 100; from soil, $2.00 per 100.

BABY PRIMROSES, 3 in., $4.00 per 100.
CYPERUS, 3 in., $3.00 per 100.
YELLOW PARIS DAISIES, in bud and bloom, 3 in., $3.00 per 100.

J. G. EISELE, 20th and Ontario Sts., Phila., Pa.
Mention the Florists' Exchange when writing.

IVORY 'MUMS

Fine stock, 2½ in. pots, $2.00 per 100; $17.50 per 1000.

BROWALLIA GIGANTEA

Finest blue bedding plants 2½ in. pots, $3.00 per 100; $25.00 per 1000.

SET OF BEST 1899 **GERANIUM NOVELTIES**

Including one **America,** $2.00, worth $4.00.
Cash, please.

HENRY EICHHOLZ, Florist, Waynesboro, Pa.
Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Bessie Burton	Mrs. John J. Glessner
Bonnaffon	Modesto
Cullingsfordii	Mrs. S. T. Murdock
Glory of Pacific	Mrs. D. P. Bassett
Ivory	Nivens
J. H. Woodford	Rose Owen
Minerva	The Queen
Mme. F. Bergmann	Mrs. J. G. Whildin

Miss Minnie Wanamaker.

And others from 2½ in. pots, $2.00 per 100, $15.00 per 1000

HARDY POMPON CHRYSANTHEMUMS

in 10 named varieties, 2½ in. pots, $2.00 per 100; $15.00 per 1000. 10 named varieties rooted cuttings, $1.00 per 100; $7.50 per 1000.

CARNATIONS.

Bon Ton McGowan Portia
New York Wm. Scott

2½ in. pots, $2.00 per 100; $15.00 per 1000.
Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.
Mention the Florists' Exchange when writing.

St. Louis.

Trade Notes.

With the advent of warmer weather greenhouse flowers seem to have lost some of their prestige. Business among the wholesalers is not so bad, however, but the great quantity of stock coming in causes a reduction in prices. Roses are as low as $1 per 100, and from that up to 5c. each for the very best; Beauty realize from 6c. to 25c.; carnations, $1 to $1.50 per 100, though one of our wholesale men got 6c. for a very fine fancy variety he received last week. Violets are at last out of the market. Lilies, especially Harrisii, are very plentiful and prices low. Little bulb stock is now to be seen. Lilacs, both from below and locally, seem to come in together this year, with little demand.

Bedding will now proceed briskly. The ever popular geranium seems to take first place, while cannas are a close second. Most all the local florists are provided with a good stock, so we are in hopes of a very prosperous season, that is for this city, for after reading in last week's EXCHANGE the report of your Cincinnati correspondent of the quantity of stock sold there on Easter Saturday it makes us think St. Louis has no flower buyers worthy of the name. This is not strictly correct; we have some very liberal people, but comparatively speaking, no such volume of business was done in this city as was claimed by the scribe of our sister city. One thing against us is, that we have no suitable place here to show our goods properly—only an open market shed, with no protection from the elements.

Business in our market has been steadily decreasing as the years go by. We attribute this condition to the number of electric cars that take people direct to the greenhouses, where the bulk of the business is now done.

Wm. Clamp, of Harper's Place, Webster Groves, has closed out his interests there, and will shortly return to England to reside.

The firm of Felter & Bruecker will dissolve partnership after the Spring sales. Mr. Bruecker has bought a new place, and will build this Summer, while Mr. Felter will continue at the old stand.

Helen, the 12-year-old daughter of Mr. and Mrs. J. J. Beneke, died May 1. The bereaved parents have the sympathy of the trade here. C. C. S.

Denver.

Trade since Easter has been rather on the quiet side with the exception of Easter Monday, when there was a brisk call for flowers. Consequently, stock is beginning to load up, but prices hold firm. Beauty are selling at $3 to $7 per dozen; Bridesmaid and Bride, the best, at $2. Carnations are going at 50c., while fancy and good Flora Hill bring 75c. Just now Glauber & Webb are picking some exceptionally fine Scott—no need for a better pink one while done as good as they do it. They are also sending in some good Beauty.

The Park Floral Co. are having a big cut of roses, and Beauty is well done here. They will have a big cut during June just right for the weddings.

Beauty is a universal favorite here, and a great many more could be disposed of, that is, if grown here; we don't like to ship in.

On Saturday last Mr. Lingenbrink, for the past six months our commission man, sold out to the Alpha Floral Co., who will carry on the business. Plenty of chance here for a hustling concern. It is said that Mr. Lingenbrink will forget the florist business and take to the Klondyke. Just when he will start I do not know. DENVER.

Toronto.

Business continues good and nearly all stock is first-class. Violets are in short supply, as many of the outside plants have been killed by the hard frost during the Winter.

The Horticultural Society held a special meeting during the week, at which Dr. King, president of the local Camera Club, gave a splendid exhibition of views of plants and flowers especially interesting to the members. T. M.

CANNAS The THREE BEST Solid Red CANNAS: BLACK PRINCE, $10.00 per 100; PHILADELPHIA, $4.00 a 100; DUKE OF MARLBOROUGH, $4.00 a 100.

BOSTON FERN Strong, 2½ inch, $5.00 per 100.

YELLOW RAMBLER, PINK RAMBLER } TWO YEAR, $8.00 per 100

THE CONARD & JONES CO., West Grove, Pa.
Mention the Florists' Exchange when writing.

NEW CHRYSANTHEMUMS FOR 1900

Bonita Beautiful deep golden-orange; a bold handsome flower with good stem and foliage.
50c. each; $4.50 per dozen; $30.00 per 100.

Eulalie The best anemone ever introduced for cut flower; extra good stem and foliage.
60c. each; $5.00 per dozen; $35.00 per 100.

Luciole A combination of pink cerise and lavender; a grand exhibition variety.
50c. each; $4.50 per dozen; $25.00 per 100.

Souci Beautiful clear-yellow; form and color of Modesto but superior in every way.
50c. each; $4.50 per dozen; $30.00 per 100.

Winona White base veined with clear pink; a grand commercial variety.
50c. each; $4.50 per dozen; $30.00 per 100.

Also Grand

New Set of EARLY POMPONS,
12 varieties, one of each for $2.25.

All the NEW VARIETIES of OTHER RAISERS at Advertised Rates.

JOHN N. MAY, Summit, New Jersey.
Mention the Florists' Exchange when writing.

60,000 WINTER FLOWERING ROSES

GRAFTED AND ON THEIR OWN ROOTS
SEND FOR PRICES

J. L DILLON, BLOOMSBURG PA.
Mention the Florists' Exchange when writing.

GREEN AND GOLD MRS. SHEPHERD'S NEW FANCY PERENNIAL CHRYSANTHEMUM.

Entirely New and Distinct. A Lovely Variety, with **Foliage Beautifully Variegated Clear Yellow and Light Green, the Yellow Predominating.** Handsome without flowers, but when adorned with its Large, Double, Creamy White, Fluffy Blossoms it is **Beautiful Beyond Description.** It is a Vigorous Grower. **Comes True.** Does equally well bedded out or under glass. **A GRAND NOVELTY.**

Having a fine stock I offer this rare plant at 20c. each; $2.00 per doz.; $10.00 per 100.

A SPLENDID NOVELTY FOR CATALOGUES.

MRS. THEODOSIA B. SHEPHERD, Ventura-by-the-Sea, Cal
Mention the Florists' Exchange when writing.

PHILADELPHIA ROSES KAISERIN Strictly first class stock, out of 2½ inch pots.

MYERS & SAMTMAN, Chestnut Hill, PHILA.
Mention the Florists' Exchange when writing.

IF YOU NEED ROSES
Send us your list for prices.

THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.
Mention the Florists' Exchange when writing.

Send 50c. or $1 For Samples And Prices Of **ROSES** You may want this Spring. American Beauties, Brides, 'Maids, Perles, Kaiserins, Woottons, La France, Belle Siebrecht, Golden Gate.

We believe in shifting Young Roses often. All stock offered in 2½ inch pots has been shifted from 2 inch and is equal to most stock advertised as 3 inch and when we send it out is well established.

Write GEO. A. KUHL, Pekin, Illinois.
Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS..
and Novelties in Decorative Plants,
Market and 49th Sts., PHILADELPHIA, PA
Mention the Florists' Exchange when writing.

ROSES From 5 in. pots, 9c.

Fine, clean plants, Clothilde, Soupert, Gen. Jacqueminot, La France, Malmaison, Coquette des Alps Coquette des Blanches, etc., large flowered Clematis, finest Purple, White and Lavender sorts, extra strong, 3 year plants, at 33c.; fine, 2 year plants, from 5 in. pots, at 18c. Also some 1 year plants at moderate prices.

HYDRANGEA P. G. Fine, 3 ft., bushy plants, at 8c.; 2 ft., bushy, at 6c. Packing free.

W. H. SALTER, Rochester, N. Y.
Mention the Florists' Exchange when writing.

Kaiserin Roses

Surplus lot of Kaiserin roses, in 3 inch pots, $4.00 per 100. In first-class condition for early planting, for summer bloom. Cash with order.

JOSEPH F. SMITH, BURLINGTON, N. J.
Mention the Florists' Exchange when writing.

Strong Plants.

BRIDES and BRIDESMAIDS

2½ in. pots, $3.00 per 100; $30.00 per 1000.
3 in. pots, $6.00 per 100; $50.00 per 1000.
3½ and 4 in. pots, $7.00 per 100; $60.00 per 1000.

EDW. J. TAYLOR, Southport, Conn.
Mention the Florists' Exchange when writing.

ROSES

Extra Strong Stock, from 2½ in. pots.

Splendid Assortment of Hardy Sorts.

Send for Price List.

JACKSON & PERKINS CO., Newark, New York.
Mention the Florists' Exchange when writing.

ROSES—50 Varieties

Send your list for prices.

GERANIUMS Well-established, in 2½ in. pots $3.00 per 100; $25.00 per 1000. La Favorite, Peach Blossom, Marg't de Layres, Gen. Grant. We have 25 other good varieties, mostly double. If you leave selection of kinds to us, $2.50 per 100; $20.00 per 1000.

Baby Primrose, 2½ in. in bloom, $3.00 per 100; $25.00 per 1000.

Asparagus Sprengeri, 2½ in., $3.50 per 100; $30.00 per 1000.

Double Petunias (mottled), 2½ in., $3.00 per 100.

Moonvine, 2½ inch, $3.00 per 100.

Fern N. Cordata Compacta, 2½ in., $4.00 per 100.

JOHN A. DOYLE CO., Springfield, Ohio.
Mention the Florists' Exchange when writing.

SPECIAL NOTICE

The unprecedented demand for the new and beautiful

ROSE LIBERTY

Has made it necessary for us to announce all stock for March delivery has been sold and orders hereafter will be taken and filled in their order of receipt, until further notice. To be sure of any of this stock for April and May delivery it will be necessary to order early. One quarter of the stock is controlled by us and no one has authority to sell in the New England States except by our permission.

Prices are as follows: Best stock grown.

Own rooted Plants, 2½ in. pots.	
12 plants	60 cts. each.
25 "	50 "
50 "	30 "
100 "	25 "
1000 "	20 "
Grafted Plants, 2½ in. pots.	
12 plants	75 cts. each.
25 "	60 "
50 "	50 "
100 "	40 "
1000 "	35 "

EDMUND M. WOOD & CO., Natick, Mass.
Near BOSTON.
Mention the Florists' Exchange when writing.

GREAT CLEARING SALE

Surplus Stock Rooted Carnation Cuttings.

			Per 100	Per 1000
11,000	MRS. JOOST	from soil	$2 00	$15 00
2,000	GOLD NUGGET	"	2 00	15 00
750	ARGYLE	"	1 50	
100	TIDAL WAVE	"	1 50	
5,500	MRS. JAS. DEAN	"	2 00	15 00
4,500	JOHN YOUNG	"	2 00	15 00
2,000	EVELINA	from soil	$1 00	$10 00
500	MELBA	"	2 00	
10,000	G. H. CRANE	from sand	4 00	40 00
4,000	G. H. CRANE	from soil	5 00	45 00
4,000	CHICAGO	"	6 00	60 00
6,000	GENEVIEVE LORD	"	10 00	75 00

CHICAGO CARNATION CO., Joliet, Ills.

Mention the Florists' Exchange when writing.

Last Call on HARDY PINKS

Only a few thousand left at a reduced rate. Strong cuttings from cold frames that can be lined out in open, 60 cts. per 100, postpaid; $5.00 per 1000.

Her Majesty, Alba Fimbriata, Earl of Carlisle, Brunette, May, and Laura Wilner, in quantity.

Double Petunias Strong, stocky plants, from 2 in. pots, best sorts labeled, a large proportion of white and light varieties, $2 50 per 100. $22.50 per 1000.

Madeira Vine Roots Strong, plump tubers, 50 cts. per 100; $4.00 per 1000.

Clematis Paniculata Strong, transplanted plants, from flats, ready to line out in nursery rows, $2.00 per 100; $18.00 per 1000.

SATISFACTION GUARANTEED.

A. B. DAVIS & SON, Purcellville, Va.

Mention the Florists' Exchange when writing.

CHEAP FOR CASH.

CYCLAMEN GIGANTEUM

Strong, healthy plants, from 2 inch pots, consisting of the following varieties: **ATRORUBRUM, MONT BLANC, MAGNIFICA** and **ROSEA**, $4 00 per 100; $35.00 per 1000.

WM. SCHLATTER & SON,
408 Main Street, Springfield, Mass.

Mention the Florists' Exchange when writing.

Mrs. Fisher Carnation

The best for summer flowering, strong, healthy plants, from cold frame, $1.50 per 100; $12.50 per 1000.

CASH WITH ORDER.

R. J. GARDNER, Bayside, L.I., N.Y.

Mention the Florists' Exchange when writing.

CARNATIONS ROOTED CUTTINGS.

Wm. Scott.....per 1000, $10 00
Maude Adams ...per 100, 3 50
☞ Unrooted at half price.
☞ Write for prices on large lots.

CLOTHILDE SOUPERT ROSES,
3 years, field-grown, $8.00 per 100.

CHARLES LENKER, Freeport, L. I.

Mention the Florists' Exchange when writing.

CARNATIONS

Strong, well-rooted cuttings, select stock.

	Per 100	Per 1000
G. H. CRANE	$6 00	$50 00
MORNING GLORY	6 00	50 00
GEN. MACEO	6 00	50 00
GLACIER	6 00	50 00
AMERICA	5 00	40 00
GOMEZ	5 00	40 00
MRS. GEO. M. BRADT	5 00	40 00
WHITE CLOUD	4 00	30 00
MARY WOOD	3 00	25 00
MRS. F. JOOST	3 00	25 00

AND OTHER STANDARD SORTS.

F. DORNER & SONS CO., La Fayette, Ind.

Mention the Florists' Exchange when writing.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing.

Rooted Cuttings of New and Standard

CARNATIONS.

SEND FOR PRICE LIST.

WM. SWAYNE, Kennett Square, Penn.

Mention the Florists' Exchange when writing.

NEW CROP **WINTER-BLOOMING**

Carnation Seeds!

Hand Fertilized, 25c. per 100. Cash with order.

AMERICAN ROSE CO., Washington, D.C.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS OF CARNATIONS.

Both new and old varieties at lowest prices for good stock. Special rates on orders booked for future delivery. Satisfaction or money refunded. Send for price list.

GEO. A. RACKHAM, 880 Van Dyke Avenue, DETROIT, MICH.

Mention the Florists' Exchange when writing.

WM. MURPHY,

Wholesale Carnation Grower.

Sta. F., CINCINNATI, O.

Mention the Florists' Exchange when writing.

Wm. Scott Carnation

Out of soil, $1 per 100, or $10 per 1000.
Melba, out of soil, $1 per 100, or $10 per 1000.
Victor, $1 per 100, or $9 per 1000.
Flora Hill, $1.25 per 100, or $10 per 1000.
General Maceo, $4 per 100, or $35 per 1000.
Mayor Pingree, $1 per 100, or $9 per 1000
Cash with order.

CARL E. TAUBE, Trenton, N. J.
MERCER FLORAL CO.

Mention the Florists' Exchange when writing.

GENEVIEVE LORD

The Peerless New Pink Carnation.

In all of our long experience we have never had a Carnation produce as many first-class, high-grade blooms to the square foot as Genevieve Lord. It blooms early and the year round. Its color is just right; "beautiful," "lovely," "exquisite," "perfectly charming," are some of the adjectives used by some of our lady customers in describing it. With all its good productiveness, size is a leading feature, large enough to put it away up front. Its grand stem is perhaps its crowning feature. What is a flower without a stem? Genevieve Lord stands up straight twelve months in the year. When you think of all this, and a non-bursting calyx thrown in for good measure, there is little left to be desired. We are pleased to announce that we can fill orders promptly after April 10th, but do not know how long we can promise this, as stock is going rapidly. To clinch matters and drive a good bargain, order at once.

Price, doz., $2.00; 100, $10.00; 1000, $75.00.

Can also furnish all of the big new ones at Introducers' prices, as well as the best standard varieties.

CHRYSANTHEMUMS A complete list of the best new and standard.
☞ Catalogue free to all applicants.

H. WEBER & SONS, OAKLAND, MD.

Mention the Florists' Exchange when writing.

CARNATIONS!

ROOTED CUTTINGS.

	Per 100	Per 1000		Per 100	Per 1000
Pingree	$0.75	$5.00	Argyle	$1.00	$7.50
Jubilee	.75	5.00	Scott	1.00	7.50
McGowan	75.	5.00	Triumph	1.25	10.00
			Flora Hill	1.25	10.00

AMERICAN BEAUTY ROSE BUSHES, lifted from benches, cut back to 2 feet, per 100, $2.50; per 1000, $20.00.

ROSE PLANTS—From 2½ inch pots.

	Per 100	Per 1000		Per 100	Per 1000
Meteor	$3.00	$25.00	Perle	$3.00	$25.00
'Maid	3.00	25.00	La France	3.50	30.00
Bride	3.00	25.00	Kaiserin	4.00	35.00

Stock to be first class and to be sold under the conditions that they shall be returned immediately if not satisfactory. Address

GEORGE REINBERG, - 51 Wabash Ave., Chicago, Ill.

Mention the Florists' Exchange when writing.

LATE PRICES FOR

Carnation Cuttings.

Most of these cuttings are ready for planting out into the field, and prices quoted are for the purpose of cleaning up the stock quickly and are for cash with the order only. Money will be returned the day received if varieties wanted are all sold.

TRIUMPH	$1.25 per 100, $10.00 per 1000
MRS. F. JOOST	$1.50 per 100, $12.50 per 1000
MACEO, GOMEZ, AMERICA	$4.00 per 100

IRIS MILLER, an immense large salmon, brought $1.50 per dozen for Easter.

ELSIE FERGUSON, a deep, burnt-orange salmon, very novel and effective.

LESLIE PAUL, a deep pink or red, the best of its color, and alone worth the price of the three.

All strong cuttings ready for planting out, at the low price of **$5.00** for 100 of each of the three, **$2.50** for 50 each of the three, or **$2.00** per 100 for any one of the varieties.

PANSIES from cold frames, in bud and bloom, $1.50 per 100; $12 50 per 1000.
Freya and Fairy Queen, two bedding novelties, $1.00 per 100.

PETUNIAS ADONIS, red; SNOWBALL, white; the two best dwarf varieties for bedding, from two inch pots, at $2.00 per 100; 25 of each for $1.00.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO., LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00.
Payable in advance. The date on the address label indicates when subscription expires.

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BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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Lothrop & Higgins, dahlia specialists, Bridgewater, Mass., have had 300 square feet added to their allotment of 550 square feet at the Paris Exposition.

Cleveland (O.) has a Home Gardening Association, which recently distributed through the various schools 40,000 packages of seeds to be planted by the school children.

A florist of Paterson, N. J., one day last week was delivering a gates ajar when he was accosted by a resident, who put to him the following inquiry: "Say, mister, where are you goin' with these oven doors open?"

Intending competitors are reminded that the contest in the third essay on the subject "What Benefits have I Received and Pointers Obtained from My Visits to Other Greenhouse Establishments and the Flower Shows," closes May 7. See page 406, issue of April 14, for particulars.

American-Grown Bulbs.

The satisfactory results of the tests made in connection with American-grown bulbs, by C. J. Stromback, head gardener of Lincoln Park, Chicago, both forced and out-of-door grown hyacinths, would seem to demonstrate the superior quality of the home grown bulbs, in comparison with those imported. Even Dutch bulb men expressed surprise at the fine quality of the flower spikes obtained from the former, one of these gentlemen remarking that they were "far ahead of what he anticipated."

Three serious drawbacks to the development of the bulb industry at home, at the present time, seem to be the questions of labor, experience and transportation. Mr. Andreas Simon, horticultural editor of the Times-Herald, Chicago, who has given much attention to the subject of growing bulbs in America, particularly in the Puget Sound region, discussing the labor phase of the matter, in a recent issue of that paper, comments thereon as follows:

"It is claimed by some that cheap labor in Holland is mainly responsible for the maintenance of the monopoly which that country has enjoyed, but when one considers the tariff on bulb importations, or takes into account the fact that an acre of fine bulb land—virgin soil—in the Bellingham Bay region can be purchased outright for less money than is demanded in the shape of annual rental for an acre of worn-out bulb land in Holland, the question of low wages in Holland would not seem to give the Dutch growers any advantage whatever. Certainly not when one considers that the Washington bulbs are pronounced by experts to be superior to the imported in size, texture, blooms and forcing qualities." As stated another deterrent here to the successful conduct of the bulb industry is the lack of experienced help. It was noticed in some instances in the bulbs under test that the process of curing had not been thoroughly understood. But Mr. Simon thinks he sees a way out of this difficulty. He says: "When the time arrives in which to make a well-directed, energetic start in our own northwestern bulb country it will be found an easy matter to hire men who have spent a considerable portion of their lives in bulb growing in Holland, and who will be found not only willing but anxious to come over here and accept employment as overseers or field foremen on bulb farms. There are several such men engaged in bulb growing for the American trade near Haarlem; they possess furthermore the very desirable accomplishment of bulb sellers, which is proved by the fact that they have visited the United States for a number of years each Spring to solicit orders for bulbs grown by themselves."

The greatest difficulty to be overcome at the present day, in competition with foreign grown stock, is the matter of transportation charges, it being possible to lay down Holland bulbs at the port of New York, freight and duty paid, for far less money than the cost of bulbs and transportation from the northwest; and unless bulbs can be grown cheaper here than in Holland, that country will still have the advantage, until our freight conditions are changed, or the duty on imported stock increased.

The district whence the American bulbs were received is thus described by Mr. Simon: "Bellingham Bay, on the shores of which the new industry is located, is a majestic harbor in Puget Sound, with an area of about 80 square miles and an average depth of 10 fathoms, large and deep enough to accommodate the fleets of the world. It is surrounded by the richest of agricultural lands, the possibilities of which in fruit and berry culture have long since been demonstrated to be little short of marvelous. The temperature of the ocean warmed by the Japanese current and the alternating moisture and sunshine make it a country in which deciduous fruits and flower bulbs reach their greatest perfection. The mercury seldom rises above 90 degrees in the Summer, and to see it at zero in the Winter is to see an extraordinary thing. The rains produce semi-tropical abundance of vegetation."

In view of the evident adaptability to bulb growing of the region in question, also to the fact that there seems no insurmountable impediment to the development of the industry there, the time may not be far distant when the $500,000, the estimated sum spent annually for bulbs and tubers sent to us from abroad, may be kept at home, and a new and important industry created in the midst of us. What other localities can do in the way of establishing this branch of trade in America will be better known when the United States Government gives forth the results of its inquiries thereanent now making.

The Co-operative Purchase Scheme.

The advocates of co-operation in the purchase of certain trade supplies through the medium of an organization controlled in, by or through the S. A. F. O. H., have by no means ceased in their earnest propagation of their pet measure. And if by the exercise of brains and the backing of capital the results sought to be accomplished can be brought about and a glorious achievement should follow, not only would it be an infinite satisfaction to the promoters, but the example thus set by the S. A. F. O. H. would undoubtedly be emulated in rapid succession by other trade and kindred organizations.

But, is it possible?

The chairman of the Purchasing Committee, President E. M. Wood, in his encyclopædic and scholarly presentation of the case before the society at Detroit, dealt more with generalities than giving an analytical account of the workings of the proposed scheme, and his citations in favor of his plan had reference more particularly to confined areas or localities; he also presented the roseate side of the question entirely, mentioning but few of its drawbacks.

But let us look squarely in the face some of the attendant difficulties, and make ourselves acquainted with these, so far as it is possible to foresee them; for investigate, deliberate, and consider all one may, after all the still unseen obstacles are often greater than those seen and prepared for.

Should such an attempt be made through the medium of the S. A. F. O. H.? What effect would it be likely to have on that body? If successful, greater cohesion; if unsuccessful, disintegration. Truly, it is the first step that costs (and counts); a false first step would be very disastrous in this case.

Would it not be better to form a Trade Co-operative Society independent of the S. A. F.? Certain members of the latter body could do this, and if they are anxious that other members, or the society itself, should profit from accruing gains, such could easily be provided for in a constitution. The S. A. F. O. H. can receive a gift; but it can't well go into commercial business without a re-organization.

Now, granted that we have our society organized, capitalized, officered and in running order ready for business—it would be foolish to start otherwise—how shall we proceed? We have a goodly country to supply, surely enough! This gives us a few conundrums in the way of transportation charges. To deliver goods purchased by the cheapest route will require the services of an experienced man.

In his address the chairman of the Purchasing Committee states "the percentage of saving is much greater to the small purchaser than to the larger one, especially when the latter is located in or near the larger cities." And the small purchaser, with few exceptions, is, we venture to say, the one who cannot take advantage of the committee's services, seeing such services demand a ready cash equivalent; so his case need hardly be considered.

Now, as to the buyers who can afford to meet the payment requirements. A prominent article among the purchases will be glass. [The glass factory idea had better be overthrown for the present, at least while the Trusts rule the market. Twelve thousand dollars, or several times that amount even, could not accomplish much against $12,000,000.] Will co-operation avail anything in obtaining favored prices, when these prices are set for the entire country?

In the case of iron to be bought, the conditions are not much more favorable than those for glass.

As regards coal there might possibly be some saving on this material; others now buy at bottom prices.

Greenhouse supplies, such as lumber, sash, ventilators, etc., how long would it be before our friends in these lines would combine for their own protection?

With bulbs and imported stock generally, would our growers trust the selection of qualities, etc., to a committee? Small buyers might; but large buyers?

The same conditions would hold good as regards domestic plants, even though officers of the purchasing department were maintained in more than one locality.

The vastness of the country precludes the S. A. F. O. H., or a committee thereof, from acting in the capacity of broker, drummer and general provider, with any chance of success. That is more likely to come through local co-operation, and it seems the trade is more inclined to favor the latter than a national scheme. But even that local plan does not meet general approval, encroaching as it does on individual action, and being hardly compatible with the speculative spirit of the age.

The FLORISTS' EXCHANGE would not object to see practical co-operation instituted, and still further would like to see it a success; but visionary ideas and plans must bear no part. Success can only be brought about by a business organization on a business basis.

OBITUARY.

D. B. Northrup.

D. B. Northrup, florist, Oswego, N. Y., died Thursday, April 26. He was 72 years old.

Joseph Scholz.

Joseph Scholz, a florist of 129 Allison street, Cincinnati, died Friday, April 27, at the City Hospital, of bronchitis. He was 43 years of age.

S. M. Pratt.

Sylvanus Marvin Pratt, a florist and much respected citizen of Moodus, Conn., died Monday morning, April 16, of pneumonia following an attack of the grip, aged 64 years. He was born in Essex and passed most of his life in his native town. When a young man he taught school, later entered the mercantile business and for several years past was engaged as a florist.

Firms Who Are Building.

WATERVILLE, ME.—H. R. Mitchell & Son will erect a potting shed 60x20 feet; also a rose house 60x120 feet.

WESTERLY, R. I.—S. J. Reuter is adding another greenhouse to his already large establishment.

HATTON, PA.—J. W. Miller recently erected four houses equipped with modern appliances.

WORCESTER, MASS.—Hugo Book, who recently removed from 1052 Main street, to College street, has just completed three more greenhouses.

SHIREMANSTOWN, PA.—John F. Rupp will build two more greenhouses and a storage shed.

The head gardeners in the vicinity of Oakland, Cal., have organized the Gaertner Verein Hortensia. The present officers are: Henry Mayer, landscape and head gardener of the Dunsmuir Garden, near San Leandro, president; Adolf Nissen, vice-president; Albert Mally, treasurer; Eugene Burger, secretary, with F. Tillman, Fruitvale. The members will furnish information to the public on the subject of gardens and gardening.

The Chestnut Hill Horticultural Society will hold an exhibition November 7, 8 and 9. The schedule is now being distributed. Copies may be had of the secretary, Robert G. Carey.

Hail Items.

Hail storms recently visited Iowa and Missouri. The following florists are sufferers therefrom: Margaret Ballard, Perry, Ia., and John N. Zachman, Oregon, Mo.

Business Difficulties.

PITTSBURG, PA.—Joseph Elmer McGinniss, a florist of Allegheny City, has filed a petition in bankruptcy. Liabilities $5,815, and assets $115.

School of Agriculture and Horticulture.

The Committee for the Promotion of Agriculture, consisting of prominent women and men of New York and vicinity, which has been seeking a suitable location for the establishment of a school for practical training in agriculture and horticulture, has selected Briar Cliff Farm, owned by Mr. Walter W. Law, of Briar Cliff Manor, N. Y. The school is 27 miles from New York, on the Putnam division of the New York Central Road and three miles from Sing Sing.

The committee has been making a study of agricultural needs, and decided to start this school for the practical training of men and women in the methods of horticulture, floriculture, gardening, poultry keeping and allied subjects, that they may become proficient in the management of farms, estates, greenhouses and gardening. The small farm, intensive gardening, and the special market for its fine productions, will be the object sought.

Instruction will be given on 60 acres of land, and students will be taught the practical detail of orchard management, gardening under glass, poultry and bee keeping. Stock husbandry and dairying will be studied also: Students will prepare soil, plant trees, seeds, etc., prune, spray, harvest, pack and market. There will be instruction in planting and propagation of nnt trees, landscape gardening, table and house decoration, entomology, botany, chemical knowledge from the study of fertilizers, in the sciences in connection with practical work in field, garden and hothouse. The nearness of the city gives opportunity also for the study of marketing. Students will make excursions to New York to study packing and methods of selling in the great wholesale and finer retail channels of trade. The course of instruction covers two years, but students may take a special branch in less time.

The Board of Managers of the Botanical Garden will co-operate with the school manngementiu affording students the opportunities of the Garden and its collections and conservatories. Lectures will be given by florists, gardeners and horticulturists.

Ground is now under preparation, trees and plants are being set, and buildings will be erected and in readiness for the opening in September.

George T. Powell, a former director of the New York State Farmers' Institute, has been appointed director of the school, and he will have associated with him some scientific and practical instructors. —N. Y. Telegram.

New York.

The Market.

Notwithstanding the large volume of business that is doing in the retail line, the wholesale trade has been very slow this week. Flowers of all descriptions, with the exception of violets, have been coming in in grently increased quantities, and, as we heard one buyer remark, Thursday, "there is seven times too many flowers in the market."

With such conditions prevailing there can be but one side to the market, and that is, the buyers rule it.

Roses particularly are in heavy supply, and although odd dozens of special selected Beauty sometimes realize $3 per dozen, by the hundred they may be had at about half that figure. Choice blooms of Liberty are also bringing 25c. each, and Testout, of extra quality, bring 8c. each. Brunner and Jacq. move very slow, and when two days old, as many of them are before being sold, they go at ridiculously low figures. Bride and Bridesmaid are probably the worst drug in the market, and are offered as low as $5 and $6 per 1,000.

With carnations conditions are not any better; thousand lots cau be had at from $3 to $5, and it is next to impossible to get rid of them. The appearance on the streets of quantities of Southern lilac is no doubt responsible in a great measnre for the accumulation of roses and carnations. The street peddlers are handling lilac to the exclusion of other stock.

Among the Retallers.

At the Benedict wedding last Monday George Stumpp had the furnishing of the flowers and decorations, which were of very elaborate proportions. Besides vast quantities of lilies and other stock there were used in the decorations 48 cases of wild smilax.

The chancel of Grace Church was very prettily arranged with palms and flowering plants last Monday morning. The occasion was the marriage of Miss Edith Morton, daughter of the Hon. Levi P. Morton, to Mr. W. C. Eustis. The Rosary, J. H. Troy, manager, had the decorations, both at the church and at the home of the bride. The decoration at the church was confined to the chancel, two banks of palms, each commencing at the outer edge of the approach, and meeting at the east window at a height of 50 feet, made an imposing avenue that became gradually narrower as it neared the communion table. An arch of lilies rested against the wall above the table, and the latter was banked with azaleas, plants of the same also being intermingled among the lower growing palms that constituted the front rows of the avenue. The highest palms used in the work were built-up specimens, of course, and they were exceedingly well done. The decorations at the house were centered in a large alcove, where the married couple received. The ceiling and walls were eatwined with peach, apple and cherry blossoms; these were all of natural growth, forced into bloom for the occasion. In the rooms adjoining wild smilax was used wherever the fresco work would admit of it, and the mantels, of which there were three, were tastefully arranged with vines and flowering plants, rhododendrons and azaleas being the principal features. A large square basket filled with Bride roses stood near the alcove; the handle was covered with moss roses. In the dining room the bride's table was adorned with lily of the valley, and the guests' tables with pink and red roses. They were all arranged in shallow flat baskets with adiantum. The red roses used were Papa Gontier, a variety that we rarely see nowadays. The bouquets carried were made by Small & Sons; the bridal one was composed of lily of the valley, and was constructed in the English drawing-room style, reaching almost to the carpet when carried. There were four bridesmaids and two maids of honor; all carried bouquets composed wholly of that beautiful light pink rose, Captain Christy.

At a wedding ceremony in the Cathedrnl last Monday Fleischman had the decoration, which, with the exception of two bunches of lilies on the altar, consisted wholly of palms. The bridal and bridesmaids' bouquets were all of pink and white sweet peas.

Auction Sales.

The auction rooms have been well attended this week—h. p. roses and rhododendrons were special features Tuesday. Bedding stock is beginning to come in in larger quantities as the season advances.

Wm. Elliott & Sons announce that they will have no more hardy rose sales this Spring; of other stock, however, there is plenty.

Cleary & Co. had a sale of Japanese plants Thursday and Friday, in addition to the regular sales.

Brevities.

F. L. Atkins, of the firm of Bobbink & Atkins, met with a severe fall by tripping against a signal wire while crossing the railroad track at Carlstadt, N. J., some days ago.

Suzuki & Iida, Japanese bulb importers, have removed their office from 11 Broadway to 11 Barclay street.

E. G. Hill, of Richmond, Ind., sailed Wednesday, on the S. S. St. Louis, for Europe.

Siegmund Geller is opening a florist supply store at No. 108 West 28th street.

A new retail store has been opened on Fifth avenue, near 29th street, by Beaumont & Klunder.

The greenhouses of Wm. Schweinfurth, Ridgewood, N. J., were partially destroyed by fire on Wednesday.

Gus Bergmann is again at his post in John Young's wholesale store, after an illness of over four months.

Alex. Guttman is rejoicing this week; it is a daughter.

James Gordon, the much-liked janitor of the Cut Flower Exchauge, died last week.

Bay trees seem to be gaining much in popularity as the large numbers reaching this port would testify to. Bobbink & Atkins recently received a heavy shipment of handsome large-sized specimens.

Visitors.

E. G. Hill, Richmond, Ind.; Robt. Craig, Philadelphia, Pa.; W. R. Smith, Washington, D. C.; Ernest Lundberg, Lenox, Mass.; C. J. Fleming, Bridgeport, Conn.; J. T. Butterworth, So. Framingham, Mass.; Mrs. Crowl, of the Crowl Fern, Co., Millington, Mass.

CATALOGUES RECEIVED.

PLANT SEED COMPANY, St. Louis.—Descriptive List of Seed Field Corn.

BROOKS SISTERS, Sorrento, Fla.—Price List of Bulbs, Plants, Seeds.

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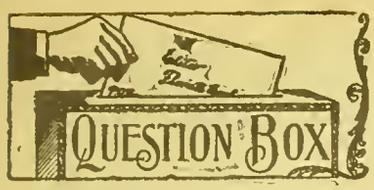


(98) **Wanted a Good Red Rose.**—The best red rose for forcing, aside from Liberty or Meteor, is American Beauty.

(99) **Single Violets.**—The best single violet for Winter is Princess of Wales, next to this is the California. Some growers prefer La France.

(100) **Diseased Rose Plant.**—The roots of the rose submitted are badly affected with root galls, and although the plant might out-grow the trouble we would not call it a healthy plant by any means.

(101) **Smilax.**—We do not know of any rust that is peculiar to the smilax, and think it possible that the trouble referred to is the result of attacks by red spider. We would not hesitate in planting the young stock in the beds, as they will soon outgrow the trouble if ordinary care is given them.

(102) **Soil for Chrysanthemums.**—Will the same soil do for chrysanthemums as was used for carnations through the Winter; and what fertilizer would be best?—J. C.

—The carnation soil will do admirably for the chrysanthemum if a good dressing of well-rotted stable manure is thoroughly incorporated with it.

(103) **Violets in Lean-to House.**—Would a lean-to at the north of an east and west house, and with just enough heat to keep the frost out, answer for violets?

—Violets planted in such a house would hardly be satisfactory during midwinter, but would give fair results through the Spring months.

(104) **Grout for Side Wall of Greenhouse.**—Is a grout wall as desirable as boards and paper for an outside wall of greenhouse?

—Of the two walls mentioned one is just as desirable as the other, and if the material for making the grout is at hand, so that the cost of the same would not exceed the cost of the board wall, the grout could be used to advantage, as it would probably last the longer.

(105) **Trouble With Carnation Leaves.**—The carnation leaves submitted show the effects of exhaustion rather than disease,—that is, they seem to have died down naturally, because it was their time to do so. Carnations that have been thriving all Winter, with a night temperature of 50 degrees, can but be expected to show signs of deterioration when Spring arrives, to offset which all dead leaves should be taken off as they appear, and the roots stimulated by regular waterings of liquid manure, or a mulch of manure applied to the bed.

(106) **Chrysanthemums.**—What are the best and most easily grown chrysanthemums for pots, short and stocky plants—three white, three yellow, two pink and one dark? How late may they be rooted to make good plants in 6-inch pots?—C. K.

—The middle of this month is as late as the rooting should be deferred if plants in 6 inch pots are wanted. Three good whites would be Mutual Friend, Ivory, and The Queen; two good pinks are Mrs. Perrin and Maud Dean; three yellow, Major Bonnaffon, Colonel Appleton and Golden Wedding; dark crimson, John Shrimpton.

(107) **Heating and Building Questions**—Kindly inform me as to the cost of building one 100-foot house running north and south, even span, 20 feet wide, and two 100x18 feet short span to the south, running east and west; butted glass; continuous ventilation open from ridge. Also for each house 10 lines of 1¼-inch pipe and steam boiler apparatus for ventilaton, and 6x6 feet benches of 1½ lumber for three houses with painting,—finished all ready for planting.—QUERIST.

—There will be a wide variation in the cost of the houses, according to the cost of labor and material and the quality of lumber, glass, etc., used. Three thousand dollars would be an average price, but fair houses could be built in some places for $2,500, while $3,600 would not be excessive for a first-class job in others.—L. R. T.

Please tell me the best way to heat a violet house unsheltered, running north and south, with 2-inch pipe. Houses has three beds, two paths, sides board, 4 feet high; ridge 10 feet; 100 feet long, 19 feet wide. I want enough pipe to keep the temperature at 50 degrees when outside it is zero. Beds are solid.—W. C. PRAY.

—A 19-foot violet house will be easily heated by ten runs of 2-inch pipe, and nine would answer quite well. Of these three should be flow pipes, as there is difficulty in distributing them to the best advantage in a house with solid beds. I would prefer to use two 2½-inch flow pipes and seven 2-inch returns. The returns can be on the walls, three on one and four on the other; and the flows may be over the returns, or overhead upon the ridge posts.—L. R. T.

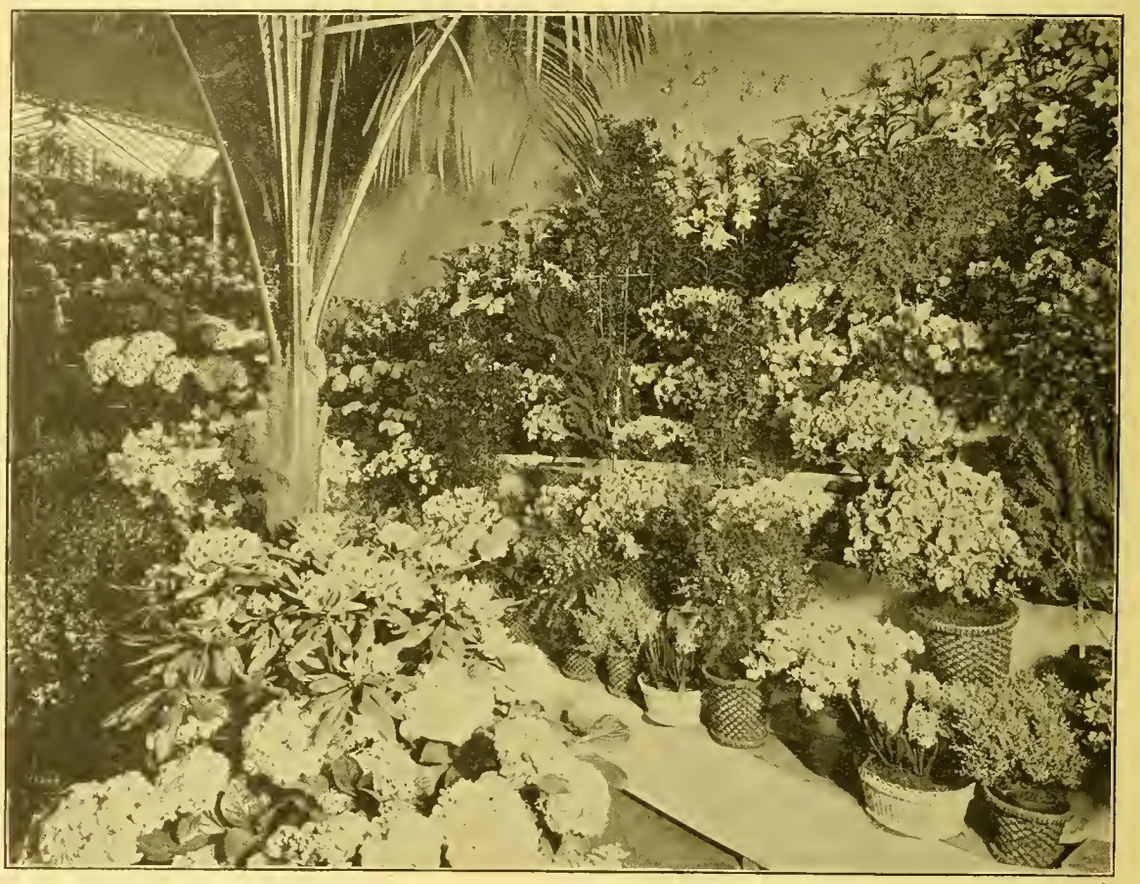
I have a greenhouse 10x30 feet even span, running north and south with 1 foot of glass in west side; 8 feet to ridge; benches 3½ feet wide. How many runs of 2-inch pipe would be required to heat it, also about how large a boiler should I use? Boiler can be 5 feet below the pipes, so it will have a good circulation. —E. A. P.

—For a violet house 10x30 feet in southern New York, about six runs of 2-inch pipe will be required. This can be arranged as two flows and four returns. The boiler should have a grate 14 or 15 inches in diameter, and should be rated for 150 to 175 square feet of radiation, although the amount of radiation in the house is considerably less than this.—L. R. T.

I am going to build three greenhouses this Spring and will be pleased to have you help me out on the heating question. The rose house for Bride and Bridesmaid will be 25x200 feet, running east and west, even span; side walls 5 feet; part glass north and south side. The carnation houses will be 25x200 feet, joined at gutter but open underneath the gutter; side walls 5 feet, part glass. There will be 15 to 18 feet between the rose and carnation houses. Please tell me the best way to heat same with hot water. I can only dig boiler pit about 6 feet deep. Would hot water heat them if boiler was at northwest corner, or would it be better to put boilers in the center on north side and put a glass passageway between the rose and carnation houses or the main flow and return pipes? Could these be on the ground? I want to have the pipes hung on the side walls; have bought a carload of 2-inch pipe. How had I better distribute same for best results? We have zero weather sometimes. How should the ventilators be hung on short span to south houses? Are short span to south houses most desirable for carnations? How would they answer for roses? Please state price of Professor Taft's book; would like to get one if it will help me.—W. X. P.

—While the pipes may run the entire length of the building the circulation will be better if the boiler is located in the center of the north side. If 2-inch pipe is to be used for flows and returns, and these are to be placed upon the side walls, 19 will be required for the rose houses; of these 10 should be on the north and 9 on the south walls. For the carnation houses 14 pipes will be desirable. One-half of the pipes may be used as flows and the other as returns, or each flow can supply two returns. For a house of this width it is often well to have part of the pipes in the center of the house, and if desired two coils of three pipes each may be thus distributed in the carnation and three coils in the rose house. Another method of piping the houses is to use one 2½-inch flow on each wall with eight 2-inch returns in the rose house and six in the carnation house, one-half being on each wall. In addition to this use nine 2-inch pipes in the rose and six in the carnation house distributed through the house. The best circulation can be obtained if one-third of these pipes are placed upon the purlin posts as overhead flows, and the others under the benches, or in the walks, as returns; but all may be under the benches if desired. The ventilators in short span to the south houses should be on the north slope. It is a good plan to hinge them at the lower edge, especially if the prevailing cold winds are from the north. Good results can be secured in short span to the south houses with either roses or carnations. Even span houses also answer well for carnations if they can be run north and south, but instead of building two houses 25 feet wide better results can be obtained with one house 50 feet wide, with the long slope to the south, where a site with a descent to the south of two or three feet in 50 can be secured.—L. R. T.

"Greenhouse Construction" and "Greenhouse Management" are sent postpaid for $1.50 each. They can be secured through the FLORISTS' EXCHANGE, or direct from the author, L. R. Taft, Agricultural College, Mich.



Easter Display of J. H. Small & Sons, New York.

Our Belgian Letter.

We have experienced one of the most unpleasant Winters in years. Frost set in quite early and severe cold lasted for about three weeks; then the weather became foggy and dark.

Trade has been very lively for this time of year. The demand for kentias is greater than ever, and they have sold at very satisfactory prices. The call for latanias came later; still, at present, all the best stock is disposed of. In azaleas even the poorest plants and sorts are all gone. Cocos Weddeliana have been and are still in good demand, as are Livistona rotundifolia. Phœnix canariensis has also been largely called for. Bay trees seem to go slower than usual, and the general demand is more for the smaller sizes. Specimens above $15 sell faster by the pair than by the dozen. Few rhododendrons have been disposed of this Spring, buyers being chary after the heavy frosts.

In tuberous begonias and gloxinias everything salable has been bought up by the special growers and merchants of this class of bulbs. Araucarias have gone well, although of those above a dollar but few are wanted in A. excelsa. It seems that A. glauca is preferred by the people who are willing to pay a good price for an araucaria. Growers of ficus have lately been having a great run on their products, and while prices are about the same as in former years there is quite a shortage of stock. Dracænas, as usual, are selling very well, at moderate prices.

It seems that there will be no overstock in Indian azaleas for next Fall; many cultivators have dropped growing these on account of low prices, and have turned their attention to such specialties as kentias, which bring better figures at present.

The Paris Exhibition opened last week, and as far as we can see Belgian horticulture will be largely represented.

We expect many prominent American florists will plan a visit to Paris this Summer, and also make a call on their respective Belgian plant growers. They will be sure of a hearty welcome.

AUGUST HAERENS.

BRIEFS FOR BUSY FLORISTS.

NEW CARNATIONS.—If new varieties are being bought, and they should arrive about this time or later, don't, to save time or labor, plant them direct into the field unless they have very good roots and have shipped without the balls shaking apart. The safest and most economical method to treat these late arrivals is to plant them into flats; put them into frames and let them grow there for several weeks. They will then give much better results than if planted in the field when first received, as at that time they had probably come direct from a warm greenhouse.

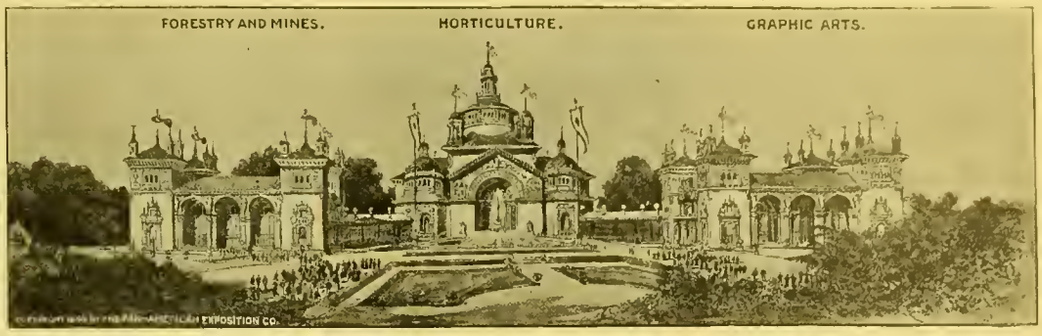
CYCLAMEN.—Young plants of these should be now put in the frames. Ashes or cinders to the depth of 3 or 4 inches should be spread for them to stand upon, as the roots need to be cool; and ashes are the best material for that service. The sash will need to be removed every day, except on rainy days, but for some little time yet it must be replaced at night. As the weather becomes warmer some shade will be necessary to the young plants during the hottest part of the day. Thin calico or cheese cloth, tacked on to strips of wood, make very handy shading materials, and are so light that they are easily put on or off as desired. Do not water the young plants with water direct from the hose pipe, for although very cold water does not seem to injure them it will be found that if a tank or barrel is kept full, and the plants are watered from that with a can, much finer and larger plants will be the result.

DAHLIAS.—As soon as all danger from frost is over these should be planted where they are to bloom. For cutting purposes the cactus section is very valuable, and a few of these should be in every collection. In preparing the bed or border for dahlias no half-way measures should be taken if success is to be assured. Manure the soil very heavily and dig it in deep, as the dahlia is a very gross feeder. After the plants are set out they must never suffer for the want of water, and an occasional watering of liquid manure will help them materially after they are well started growing.

PANSIES.—If it is desired to have a bed of these for use in the latter part of the season the seed should be sown in beds outdoors. Make the soil tolerably rich and sow in drills, transplanting the seedlings when large enough to handle. Pick off all flower buds as they appear until the first of September, then let them flower at will.

PRIMULA.—The main batch of the Chinese primulas should be sown now. Before commencing be sure to give the soil in the seed pan a good watering and let it stand a few hours. Cover the seeds very lightly and then place a piece of paper over the receptacle. This covering may there remain until the seeds begin to germinate. It should then be removed, and a pane of glass may be substituted until the leaves are formed and then dispensed with altogether.

HANGING BASKETS.—This is a good time to have a lot of these filled and hung around in the show house. By doing the work now small plants may be used; and they will be well established and growing by the time they are needed.

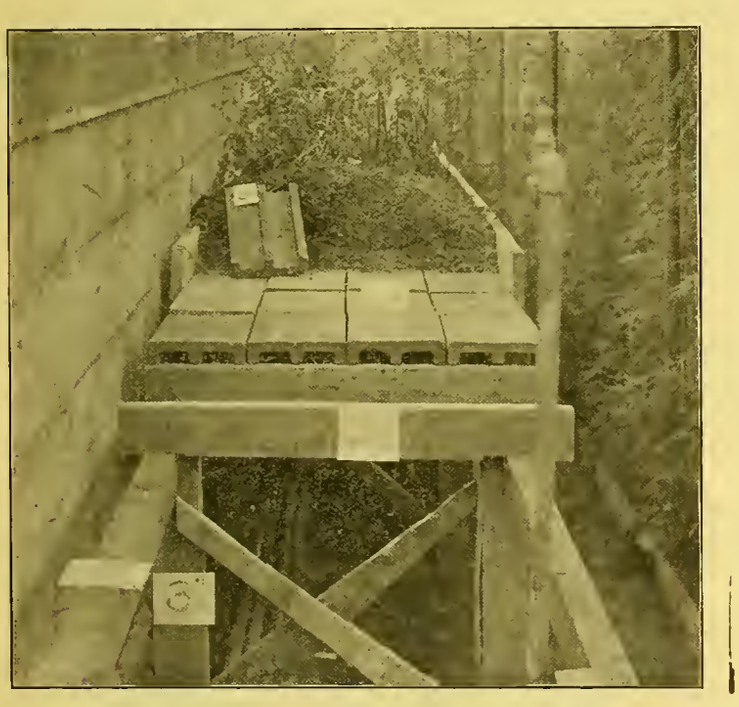


View of Pan-American Exposition Buildings.

Horticulture at the Pan-American.

Our illustration shows a picture of the building to be devoted to the Department of Horticulture, of which Mr. F. W. Taylor is chief. The building is 220 feet square. It has two arcaded wings sweeping from the north and south facades to the eastward and connecting with other buildings to form a semi-circular court. West of these arcades are the conservatories in which will be displayed the palms and other plants of tropical origin. The arcades leading from the main building will be kept gay the entire season with flowering and ornamental plants. The large building will be used for the display of fruits and various other exhibits pertaining to horticulture. It is expected that the State of New York will spend at least $10,000 in aiding the horticultural societies of the state to extend and replenish their exhibits during the season of the exposition. The Horticultural Building will be one of the most picturesque of the entire group of large exposition buildings. The loggias which form the eastern entrance will be richly adorned with frescoes. Two of these compositions will represent Ceres, the goddess of the harvest, bearing in her arms a sheaf of wheat, her chariot drawn by three lions led by Flora and Primavera.

The exhibits to be made by the leading florists of the United States will be situated south of the Horticultural Building. To these displays some six or seven acres of land will be devoted. William Scott, of Buffalo, will have charge of the floral exhibits. Several prominent horticulturists have already entered for the competition of 1901.



Practical Greenhouse Bench, with Flat Tile Bottom

A Practical Greenhouse Bench.

Round tile benches have been used by some florists for some time, but they don't seem to me to be as practical and durable as the flat tile bench here with illustrated. The soil is removed much easier from the flat than from the round tile; and the front is more durable because there is less wood in contact with the tile in the flat than in the round, and it is therefore less liable to stay wet and rot out. We first placed brick 4 feet apart on which to put the legs (No. 3), which are spiked to the stringer (No. 4), and on these stringers are placed the tile bearers (No. 2) on which the tile are set from center to center. The frame is constructed entirely of 2x4 oak, excepting the braces, which are narrow strips ⅞x2 inches. Benches constructed as above will last 10 to 12 years without repair. The bench is not original with me. I got the idea from Mr. George, of Storrs & Harrison's Greenhouses, at Painesville.

The tile used on the bench cost here, at Tiffin, $ 24 per 1,000 square feet, and the oak timbers from $10 to $20 per 1,000, according to the quality.

Tiffin, O. L. ULRICH.

NOTES BY THE WAY.

AMSTERDAM, N. Y.—Of the 4,200 people who attended the opening of J. C. Hatcher's handsome store but one expressed himself as being adverse to the improvement. It was the biggest surprise to the folks and was only exceeded by the Easter display, which was declared perfect. The business done has eclipsed any preceding festive season.

ALBANY, N. Y.—John Dingwall says if Tropæolum Phœbe is grown in a starved condition it is a great bloomer, but if fed the plant makes rank growth with but few flowers. He thinks very highly of it for basket work. He has, as usual, a well-grown stock of bedding plants.

Fred. Goldring is benching several of his carnation houses intending to grow roses more extensively. As violets continue to do so well he intends planting 10,000 another season to supply the demand, which has been highly satisfactory right through the season. On the day before Easter, from five beds, each 100x4 feet, 19,500 good blooms of Marie Louise were picked. How is that for a record?

Harry Eyres startled his patrons at Easter with the dandiest turnout in the business—a spanking span of grays attached to an open wagon, with attendants in uniform. It is the best advertisement yet conceived.

F. A. Danker wants to enlarge his store to accommodate increasing business. Expansion is the talk all along the line.

AUBURN, N. Y.—Alfred Patrick is adding to his extensive plant, maybe some additional houses to accommodate the coming carnation that blooms just when one needs it most. This was the only flower scarce at Easter, which was the brightest on record.

SYRACUSE, N. Y.—At time of my visit L. E. Marquisee was entering up the last big order for The Marquis, and expressed himself well pleased with the result of sales. His only regret is that owing to the very backward season the plants did not make their usual growth, which made delivery of cuttings more tardy than he could have wished. By the time the White Marquis is ready to make its bow to the public its predecessor will have firmly established itself in popular favor.

KEENE, N. H.—Ellis Bros. continue to grow carnation Empress, which was immense at Easter, and one of their heaviest crops. The catalogue plant trade is now a separate business, it being the intention to go more extensively into cut flowers.

CORFU, N. Y.—Alex. Scott has been sending some of the finest violets and carnations of the season into Kasting's. He had a big supply around Easter. This is one of the garden spots of the state, and Wm. Scott showed foresight when he located his son out here. A nursery has been established, several thousands of trees planted to be transplanted later, and add to the adornment of the Bison City.

WEST SENECA, N. Y.—Prof. J. F. Cowell reports rather slow but sure progress upon the grounds surrounding the Buffalo Botanic Gardens. No doubt by Summer he will have things presentable. It is not his fault they are not so complete as he would wish. Mr. Cowell had a lengthy and delightful visit from Prof. Britton, of the New York Botanical Garden, who was enthused with the assortment of botanical specimens gathered by our sage, who takes equally as much interest in a cactus as in those mammoth cyclamens he annually shows us. Just now a fine lot of Cattleya citrina is in bloom, and fills the air with its aroma.

SARATOGA, N. Y.—T. J. Totten is looking for the perpetual blooming carnation. Young America is grand, yet, like all others, it takes a rest, but only a brief one. A bench of Jubilee is a fine sight; this variety does well here. Fora Hill and Young America were in fine shape at Easter. W. M.

Why My Tobacco Dust
Fine or Coarse
"The Black Stuff" 2 cts per pound
50 to 1000 pounds
The Best for Florists
Its my specialty, I have made the wants in this line by the growers a study and know the grade that kills; if it fails your money back
H. A. STOOTHOFF 116 West St NEW YORK
Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

ACTIVE young man (20), German, 4 years' greenhouse experience, desires store position to learn decorating and designing. Box 471, Lakewood, N. J.

SITUATION wanted by good, steady, reliable man, long experience on commercial place, as rose grower; wages wanted, $12 per week. Address R. P., care Florists' Exchange.

SITUATION wanted by thoroughly competent rose and carnation grower, can take complete charge, married, good references; send particulars. E. Bayley, care D. Landreth & Sons, 10th & Market Sts., Philadelphia, Pa.

WANTED a situation as grower; can grow roses, carnations, 'mums and general stock; married, no children; good reference; state wages and particulars. Address F. F. Rentz, Box 25, Ridgewood, N. J.

SITUATION wanted by practical rose grower; up-to-date, competent to take entire charge of commercial place; to suitable party the greatest satisfaction assured, excellent references. Address Practical Rose Grower, 800 Lydia avenue, Kansas City, Mo.

WANTED—Situation as head gardener where several men are kept, or, position as grower in the trade where orchids and other stock are grown in quantities; no objection to travel; first-class testimonials from last and previous employers: 10 years with Sanders & Co., St. Albans, England; three years head gardener to Mrs. Fred. Ames, North Easton, Mass. Address C. Maynard, North Easton, Mass.

POSITION WANTED—BY RELIABLE man, as foreman, 15 years in the business. Specialties: roses and carnations; good references; give full particulars with wages. Harry Donnelly, 1121 Main St., Pawtucket, R. I.

POSITION WANTED AS MANAGER or foreman on large rose growing establishment where A1 stock is wanted. The undersigned, for the past two years foreman at Myers & Samtman's, rose growers, Chestnut Hill, Philadelphia, will be open for engagement as above after May 23d. Address Wm. Munro, Wyndmoor, Montgomery Co., Pa.

HELP WANTED.

WANTED—Working foreman to take charge of 40,000 feet of glass, in Ohio; must be able to grow roses, carnations and cut flowers; give references and state wages wanted. R. N., care Florists' Exchange.

WANTED at once, florists' clerk, maker-up and decorator, good address and character required, married man preferred; wages $12.00 per week, situation permanent. John Reck, Bridgeport, Conn.

WANTED, to take charge, good grower of roses, carnations and general stock, must be sober, and not mind work; will pay $5 a week and board to start with; single man only. Mrs. H. Rehder, Wilmington, N. C.

WANTED working foreman, thoroughly competent, steady and sober, must have good reference, no other need apply. Write us stating experience, etc., and salary wanted. Greene & Underhill, Watertown, N. Y.

WANTED, foreman, one who thoroughly understands how to grow roses, carnations and 'mums; also a general line of bedding stock; first-class references required, good wages to a capable man. Crabb & Hunter, Grand Rapids, Mich.

WANTED—A first-class grower of high-grade carnations on a commercial place; prefer a middle-aged man with long experience who can show a record; a good opportunity for the right man; send references. Address H. N. Eaton, So. Sudbury, Mass.

WANTED at once, a good working man, single, 25 years' of age, who has had experience in growing bedding plants, etc.; a good place for a good man; write at once. Send reference, stating wages expected, board and lodgings found. George Grant, Florist, Larchmont, N. Y.

WANTED at once, an experienced man for a greenhouse, must be a good potter and propagator and grower of general greenhouse stock, palms, Ferns, carnations, etc. State experience and references from last place and wages. Address W. T. Stewart, Bromfield St., Boston, Mass.

WANTED, a man capable of taking charge of about 6000 ft. of glass, growing bedding plants and miscellaneous stock and making funeral designs If satisfactory, opportunity will be given to lease the place. Apply at once stating wages and references; American preferred. Geo. W. Fetzer, Allentown, Pa.

WANTED a single man as gardener and florist on a commercial place. Must be a good propagator and understand the growing of general greenhouse stock. References required; permanent place to right man; wages $35.00 per month with board and lodging. Address Geo. C. Roeding, Prop., Fancher Creek Nurseries, Fresno, Cal.

Mention the Florists' Exchange when writing.

HELP WANTED.

WANTED: A first-class florist, single or married; must understand growing of roses thoroughly. Apply with references and particulars. H., care of Henry F. Michell, 1018 Market St., Phila.

MYERS & SAMTMAN WANT A ROSE grower to assist in the greenhouse at Chestnut Hill, Phila., Pa.

WANTED—TWO YOUNG MEN FOR carnation and rose houses; state experience and wages wanted. F. Borki, Bellevue, Pa.

WANTED AT ONCE, COMPETENT, experienced gardeners; references. Call or address, Service Bldg., Pan-American Exposition, Buffalo.

WANTED AT ONCE, A MIDDLE-AGED all-round florist, good grower and propagator; steady, honest, sober; steady position to right man. R. K., care Florists' Exchange.

WANTED—PROPAGATOR, ONE WHO thoroughly understands summer propagation, first-class man only; apply with experience, recommendations and expectation. R. O., care Florists' Exchange.

WANTED, SINGLE YOUNG MAN, well up in all branches and willing to work at anything, in a commercial place, permanent position; state wages expected; must come well recommended. Address, J. H. Ramsay & Co., Bath, Maine.

WANTED—BY OR BEFORE THE 15th inst., a foreman in a commercial place, permanent position for a good florist; good references expected, salary, $12 per week, good house and garden. Address Chas. Fremd, Rye Nurseries, Rye, N. Y.

MISCELLANEOUS WANTS.

WANTED to rent, one or two greenhouses and about one acre of land, within easy distance of New York; suitable for growing a general line of stock. Send full particulars. Address C. Butcher, Yonkers, N. Y.

WANTED—Two hundred carnation blooms, assorted, and one hundred roses, assorted, to arrive May 24, 26, 28, and to be dobbied on May 30, making one thousand carnations and five hundred roses; give prices. J. W. Goree, Whitewright, Texas.

WANTED 500 Geraniums, in 3 or 4 inch pots, single and double red, single and double salmon; speak quick, naming varieties, size and price. Will exchange pansies or spring bedding stock. D. Wm. Brainard, Florist, Pease Street, Thompsonville, Conn.

BUSINESS OPPORTUNITIES.

TO LET OR LEASE—Two greenhouses, 20x100, and one 10x75; potting house and land; Long Island, 20 minutes from city. For terms, address 124 E. 27th St., New York.

FOR sale or rent cheap, greenhouses, 14,000 feet glass, well stocked for spring trade, also seven-room dwelling and barns, doing large retail trade with little competition, in growing town of 20,000 people; write for particulars. Address P. T., care Florists' Exchange.

FOR SALE—The largest greenhouse in a city of 60,000; 12 houses all connected, suitably arranged for growing cut flowers; steam heat and in perfect order; elegant office and sale at home for all you can grow; land goes with the place. The right man can secure this place with a small amount down; possession June 15th; stock if desired. Address M. A. Maynard, Springfield, Mass.

FOR SALE. Six greenhouses, 15,000 feet glass; 2 dwelling houses, stable, wagon house, water works on place; houses stocked with carnations and bedding plants, heated with steam. Have an annual business of $5500.00; all my trade is cash; will sell 3¼ acres of ground with plant. Everything is in first-class order; will sell on easy terms to a reliable party. Address R. C., care Florists' Exchange.

FOR SALE—Two greenhouses, one 120x20, other 60x20, office front, double thick glass, hot beds and sash. Large spring stock now on hand. Town of 30,000 inhabitants within 6 miles; no opposition, as nearest greenhouse is 24 miles away; two acres of good land, houses in good condition, steam heat, all new last year, including new boiler; will give possession right away; other business out of town cause of selling. R. M., care of Florists' Exchange.

FOR RENT OR SALE—15,000 square feet of glass, all new houses, modern improvements, steam heat, house, barn, and one acre of land, best retail stand outside of city limits, right opposite Woodmere Cemetery entrance, one of the largest cemeteries in the State of Michigan, two blocks from railroad depot. Can be rented for $50.00 per month without stock. Reasons for selling out, too much other business. Anton Kaler, Woodmere, Mich.

FOR SALE—240 ACRES OF LAND ON Isthmus of Tehauntepec, State of Vera Cruz, Mexico. For full particulars write Roland Hughes, 846 New York Life Building, Kansas City, Mo.

Mention the Florists' Exchange when writing.

Philadelphia.

Florists' Club Meeting.

The meeting on Tuesday last was only fairly attended, most of the growers being now very busy. The chief interest of the meeting was the paper by Robert Craig, on "Experiences Gained by Easter Trade of 1900." The paper was a good one. It was read by Wm. P. Craig, in the absence of his father, and will be given in full in our next issue.

In a discussion which followed, speaking of lilies, Henry F. Michell said that he had recently had a lengthy conversation with a grower of lilies from Bermuda, and the outlook for healthy stock was now much better. This industry having got such a set back this past two or three years some extreme measures had to be resorted to, and on the appeal of the lily growers the English Government had sent specialists to study the disease, and suggest treatment for its eradication. Experts had also been there from Washington and from Canada; and following the advice of these methods had been adopted to kill the disease. Now not more than 5 per cent. of the crop shows any signs of the trouble, and a grower having diseased bulbs is compelled to destroy them. The outlook being so much brighter, Mr. Mitchell stated that he had increased his order over that of last year. The Bermuda growers are also now making investigations of the soil, climate, etc., of Puerto Rico, with the view of planting lilies there.

John Westcott spoke about S. A. F. Convention matters, and stated that President Wood intended to offer a splendid bowling trophy, realizing that to have school it is necessary to have the scholars there; and as the bowlers were all good scholars he wanted them all at the convention. Mr. Westcott wishes to entertain all members of the S. A. F. passing through this city next August, and would like to see a large meeting of the club next month, in order to talk this over, and decide how best to entertain visitors.

Bulb Display.

The display in the city squares or small parks during the past two weeks has been very good. The hyacinths, tulips and narcissus bloomed better this year than ever before. The principal display was at Independence Square and has been a center of attraction for the past three weeks. The bulbs were all supplied by Henry F. Michell, and the city officials are so well pleased with the quality that they have given him the order for next season. The order comprises 65,000 bulbs.

Joseph Heacock is now building another house for palms, 26x250 feet. This is a full span house, and is intended for large plants. There will not be any benches, the plants standing on beds of ashes. Steam pipes will be run around the sides. Many of the rose houses on this place will be overhauled shortly, all benches and pipes changed. The benches will be built away from the walls, allowing room for walks front and back. There will not be any pipes under the benches, the pipes being placed on front and back walls, with probably two lines of two pipes each along the narrow walks between benches. One house benched this way last year has given great satisfaction. At this date the roses are in much better condition than in the other houses, and the cut has been larger. The benches are cool at the bottom; the circulation of heat is much better by this method, and it is thought quite a saving in fuel is effected. Palms on this establishment are in splendid condition; sales the past month have been very good. All the stock is clean, healthy and stocky, of good habit. Arecas form the largest stock; kentias are also in big quantities, from 6-foot plants down, and the stock of these is certainly hard to beat. Latanias are also grown, but not so extensively as the other kinds. There are also some phœnix and a fine lot of cocos for Fall sales.

Wedding Decoration.

Hugh Graham had a very large decoration; in, fact, the largest in several years, the past week, at Durham, N. C., necessitating the taking down of several carloads of plants and materials. The electric appliances alone filled half a car. All cut flowers were sent from this city; the whole decoration, although far from home, was carried out with great satisfaction.

Patents Issued.

Among patents issued this week to applicants of this city the following will interest the trade: D. D. L. Farson, patent faucet; Frank C. Ives, patent color plate camera. This latter is especially interesting to all flower lovers. Plants and flowers can be photographed to exactly reproduce all colors; the photo when finished is placed in a stereoptic apparatus with color screens, and you see the plants or flowers exactly as in the natural state. Another patent was obtained by C. Jennings, greenhouse iron benches and fittings.

Cut Flower Market.

Not much can be said of the cut flower market; conditions are about the same as last week—too many flowers. It is impossible to quote prices, these being in favor of the buyer; and the price depends how badly he wants the flowers. Quantities of stock are seen on the street. Owing to the very warm days the blooms are not keeping well.

Seed Trade.

All stores are now very busy with retail orders, most of the stores working until late to keep up. Business is reported very good with all, and the present season is likely to prove far ahead of last year.

DAVID RUST.

MISCELLANEOUS.

WANTED 3000 ft. of 10x12 glass, double thick, state price. George I. Laird, 3014 Fulton St., Brooklyn, N. Y.

FOR SALE, 1 No. 8 Furman boiler, 3 locomotive pattern boilers, all the above are second-hand steam boilers, in good condition. Address R. F., care Florists' Exchange.

Mention the Florists' Exchange when writing.

Clematis Brook, Mass.

Anderson & Williams are now cutting some very fine Kaiserin Augusta Victoria roses, being the first to get them in.

Madison, N. J.

The greenhouses of T. J. Slaughter have been leased to L. M. Noe.

NOW IN PREPARATION.

Commercial Plants

THEIR PROPAGATION AND CULTURE.

BY GEORGE W. OLIVER, PROPAGATOR TO THE U. S. BOTANIC GARDEN, WASHINGTON, D. C. AND LATE OF THE ROYAL BOTANIC GARDEN, EDINBURGH.

A working Hand Book of Every-day Practice for the Florist or Gardener, and those who intend to grow plants and flowers, in the greenhouse or garden, as a means of obtaining a livelihood. Each and every article is written in concise, simple language, and embodies wholly and solely the experiences of the writer.

The plants dealt with comprise those which are commercially handled by Florists, Gardeners and Nurserymen, and include **Florists' Flowers, Stove and Greenhouse Plants, Hardy Herbaceous Plants, Annuals, Shrubs, Hardy and Tender Vines,** and a chapter on miscellaneous subjects in connection with the above.

This reliable cultural book has been gotten up for use not ornament, therefore the price has been fixed at a figure within the reach of all, while it contains more real practical information for those for whom it is intended than is to be found in much more pretentious works costing ten and twenty times as much money. Strongly bound to stand rough handling and plenty of it. **Price, $1.00 by mail, postpaid.**

A. T. DE LA MARE PTG. & PUB. CO., Ltd., 2 to 8 Duane St., N. Y.

N. B.—As we expect a large sale for this valuable book, we would take it as a favor to have your order now, and you can remit when notified that the book is ready.



New York.—Monday night last the scores made were as under;

	1	2	3
T. Roehrs	164	165	191
A. Schultheis	176	147	149
A. Von Asch	132	135	139
T. J. Lang	189	196	175
J. I. Donlan	164	162	..

Newport, R. I.—The gardeners and artillery teams played a return bowling match on the alleys of the former, Thursday evening, 19th ultimo, the gardeners winning by 451 points in a score of 1,914 to 1,463, thus fully making up for their former defeat. I was in error in stating that the artillery alleys were longer than those upon which the gardeners practice, both being of the regulation length. The space behind the line, however, is very much greater, and is taken advantage of by the artillerymen in getting up speed; consequently when placed under more restricted conditions the soldiers were completely handicapped. The next match is to be played on the artillery alleys, May 10. Following are the scores:

GARDENERS.

	1	2	3	Total.
R. Paterson	124	157	152	433
R. Gardner	129	114	110	353
A. S. Meikle	167	143	137	417
C. D. Stark	78	116	104	297
J. T. Allan	133	145	136	414
Total	601	674	639	1,914

ARTILLERYMEN.

	1	2	3	Total.
H. M. Sherman	91	117	130	338
H. Smith	158	104	98	360
W. S. Bailey, Jr.	75	72	106	253
A. T. Bailey	77	88	85	250
George Bliss	80	78	104	262
Total	481	459	523	1,463

Umpire, Alex. MacLellan; scorer, Lieut. F. P. King; referee, B. M. Anthony.

MAC.

Denver.—I would like to mention in Denver notes, for the benefit of the bowling florists, just what kind of alleys we have here. Subjoined you will see scores made at last club roll. I think those made by Phil. Scott are a little larger than any heretofore recorded in a trade paper, hence the explanation. Our alleys are full length, that is, 60 feet to head pin, but are 6 inches narrower than regulation, and when the pins are set up it gives one plenty of confidence; and that is about all there is to the game. I have been at it a good long while and cannot see anything else to it. We are badly handicapped on balls though; have anything from egg-shaped to a diamond frame. We have one pretty fair ball, and P. S. managed to get hold of that every time when he made the 280 score.

Only two members showed up for club roll last Tuesday, but some fine bowling was done by Scott. Berry rolled high but seemed very low alongside of such scores:

				Avge.
Scott	221	234	280	246
Berry	161	221	183	188⅓

P. S.

CHANGES IN BUSINESS.

EXETER, N. H.—Lorenza Nealley has opened a flower store here.

HEMPSTEAD, L. I.—John Davie, grower for Westhampton Greenhouses, has leased the Oriental Greenhouses here for a term of four years from July 1 next.

CHARLESTOWN, MASS.—Florist McGarry has moved into his new store at 129 Main street, which he finds a great improvement over the old location.

BRIDGETON, N. J.—Theodore and Adolph Edwards, sons of the late Steen Edwards, who have carried on the business of the deceased some time, will continue same.

A virtuous wave has evidently struck Portland, Me. Sunday last the marshal closed up all the florists' stores in town.

DOUBLE FRINGED PETUNIAS,
2 inch, per 100, $2.00.

Geraniums, mixed, strong, 2 in. ..... per 100, $2 50
Humulus Variegata, (Japan Hop) 2 in., " 2.00
Cobæa Scandens, 2 in. ..... " 2.00
Selaginella Denticulata, 2 in. ..... " 1.50

E. J. RAWLINGS, - Cunkerstown, Pa.

Mention the Florists' Exchange when writing.

MME. SALLEROI GERANIUMS, 2½ in., $2.00 per 100. Carnations, summer bloom, 3 in., $3 50 per 100. Nasturtiums, strong, 2½ in., tall variety, $2.00 per 100. German or Parlor Ivy, extra strong, 3 in., $2.50 per 100. Sweet Alyssum, in bloom, 2½ in., $2 per 100. Tomato, Stone and Paragon, strong plants, 4 to 6 in. long, 75c. per 100; $5.00 per 1000. Ageratum, Princess Pauline and the white variety, 2½ in. pots in bloom, $2.50 per 100. RICHARD INSALL, West Moorestown, N. J., near Philadelphia.

Mention the Florists' Exchange when writing.

MY SPECIALTY CYCLAMEN PERSICUM SPLENDENS GIGANTEUM

Finest strain in the world. Now ready to ship a splendid stock of plants, in four separate colors, from 2 in. pots, $4.00 per 100; $35 a 1000. From 2½ in. pots, $5.00 per 100; $40.00 per 1000.

SATISFACTION GUARANTEED.

PAUL MADER, East Stroudsburg, Pa

Mention the Florists' Exchange when writing.

Farquhar Violets Rooted cuttings, $10.00 per 1000; from 2½ inch pots, $3.00 per 100, $25.00 per 1000. CASH WITH ORDER.

THOS. F. O'BRIEN, 26 Folsom Street, **Roslindale Mass.**

Mention the Florists' Exchange when writing.

VIOLETS—Princess of Wales

The only Violet to grow; strong rooted cuttings, $1.00 per 100. 2½-in. pots, $2 00 per 100.

EVENDEN BROS., Williamsport, Pa.

Mention the Florists' Exchange when writing.

VIOLETS.

Now is the time to order rooted cuttings. A1 stock; free from disease; Marie Louise, Farquhar, Lady Campbell, Swanley White and Princess of Wales.

1,000 S. A. NUTT GERANIUMS rooted cuttings for $17.50.

CARNATIONS rooted cuttings, ready for planting of Daybreak, White Cloud, Melba, Gold Nugget, Flora Hill, etc. Send for catalogue.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

New Imperial Violet

From 2-inch pots; $3 per 100; $25 per 1000.

Satisfaction Guaranteed.

T. G. THRASHER, Avon, Mass.

Mention the Florists' Exchange when writing.

Violets My Specialty

LA FRANCE,

The best and largest single violet, good-rooted plants, $3.00 per 100; $25.00 per 1000.

PRINCESS OF WALES,

$1.00 per 100; $8.00 per 1000. Cash please.

SEA CLIFF NURSERY, Sea Cliff, L. I., N. Y.

FD. BOULON, PROPRIETOR.

Mention the Florists' Exchange when writing.

MARIE LOUISE VIOLETS

100,000 Rooted Runners for Spring shipments, strong, healthy, A No. 1 stock, $4.50 per 1000.

Cash with order.

L. R. LANE, Babylon, L. I., N. Y.

Mention the Florists' Exchange when writing.

Marie Louise and Lady Campbell Violet

Runners and rooted cuttings now ready. Potted plants ready next month. Good healthy stock. Write for prices, etc.

J. BENNETT, Violet Farm, Blue Point, L. I., N. Y.

Mention the Florists' Exchange when writing.

MARIE LOUISE

VIOLET CLUMPS

In A No. 1 condition, no disease, at

$5.00 per 100.

CASH WITH THE ORDER.

W. H. SCHNABEL, Croton Falls, N. Y.

Mention the Florists' Exchange when writing.

BEDDING PLANTS

OVER 100,000 OF THEM!



Large Assortment, Suitable for Planting, at Remarkably Low Prices. Prices Rated Per 100.

THE FOLLOWING OUT OF 4 INCH POTS:

AGERATUM, blue $7.00
BEGONIA VERNON 8.00
CALENDULAS (Prince of Orange) 6.00
CANDYTUFT, 3 in. and 4 in. pots 7.00
COBÆA SCANDENS, nice plants, 2½ in. 5.00
Fine plants, 2½ feet long, 8.00
CYPERUS, 4 in., per doz. $1.00
DRACÆNA INDIVISA, 6 in. pots, each ..... 25c.
GERANIUMS, Le Pilote (double red), Mme. Thibaut (pink), and other good varieties, per 100, $6.00 and $7.00
ROSE GERANIUMS $7.00
HELIOTROPE 7.00
MOON VINES (Ipomœa Noct flora). Staked up, 2½ in. pots 6.00
" " 4 in. pots 8.00
TEN-WEEKS STOCKS, 4 in. pots 7.00

THE FOLLOWING PLANTS FROM 2½ AND 3 INCH POTS:

ALTERNANTHERAS, red and yellow $3.00
ALYSSUM (Little Gem) 3.00
COLEUS (Best mixed colors), 3 in. pots 5.00
2 and 2½ in. pots 3.00
CUPHEA 4.00
FUCHSIAS (in varieties) 5.00
PYRETHRUM PARTHENIUM (Golden Feverfew) 3.00
KENILWORTH and PARLOR IVY 3.00
PETUNIAS (single) 3.00
PHLOX DRUMMONDI 3 00
TRUNBERGIA (Black-eyed Susan). 2½ in. pots 3.00
3 in pots, staked up 5 00

I have an immense quantity of the finest VERBENAS, best varieties, in bud, at $3.00 per 100.

HARDY CLEMATIS I have a fine stock of the best varieties and leading colors, such as: Bangholme Belle, pure white; Duchess of Edinburg, double white; Lucie Lemoine, white, rosette-shaped; Fairy Queen, pale flesh, pink bar; Gypsy Queen, rich dark velvety purple; Jackmanni, violet purple; Anderson Henryi, single white; Boskoop Seedling, large lavender; Kermesina and Madame Louise, and many others. Clematis, 3 years old, 35c. each; second size, 30c.; 2 years old, 25c. each.

THE NEW SPIRÆA PALMATA (red), 25c. each.

ARISTOLOCHIA SIPHO (Dutchman's Pipe), 7 inch pots, large plants, 5 to 6 feet high, 50c. each.

"We can highly recommend Godfrey Aschmann's plants. They always give us good satisfaction. HENRY F. MICHELL."
"May 2d, 1900."

GODFREY ASCHMANN, 1012 Ontario Street, Rising Sun, **Philadelphia, Pa.**

IMPORTER AND WHOLESALE GROWER OF POT PLANTS.

Mention the Florists' Exchange when writing.

COLEUS C. Verschaffeltii, G. Bedder and Queen. $6.0 Select bright fancy, $5.00 a 1000.
New large-leaved vars., grand colors, $1.
Corona, clear scarlet center, broad gold border, fine, 75 cts. a 100
Terms Cash. Extra plants to pay part expressage.

DANIEL K. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

8,000 ROSES HEALTHY STOCK.

8,000 nice plants of Brides and Bridesmaids, from 3 and 3¼ inch pots, at $4.00 per 100, or $35.00 per 1000; 500 at 1000 rates

Full line of BEDDING PLANTS cheap. Will exchange for Dbl. Petunias, Sage, Begonias, Chrysanthemums, or Carnations, rooted. W. T. HILLBORN, Newtown, Pa.

Mention the Florists' Exchange when writing.

DRACÆNA INDIVISA

Strong, 5 and 6 in. pots, $3.00 per doz.

English Ivy, 2 in., $3.00 per 100.
Coleus, 2½ in., $3.00 per 100. Golden Bedder, Victoria, Crimson Verschaffelti, fine plants.
Mme. Salleroi Geranium, 3 in., $3 00 per 100.
Strong, bushy Heliotrope, Geraniums, and Fuchsias, 4 in., $8.00 per 100.
Periwinkles, 2 in., $2.50 per 100.

CASH WITH ORDER.

HENRY ENGLER, 4651 Lancaster Ave., Phila.

Mention the Florists' Exchange when writing.

YOUNG ROSE PLANTS

BRIDES, BRIDESMAIDS and PERLES,

From 2¼, 3, 3½ and 4 in. pots.

JOHN PRITCHARD, Newtonville, Mass.

Mention the Florists' Exchange when writing.

A Few Good Things You Want

Asparagus Plumosus, 3 in., $8.00 per 100.
Rex Begonia, 3 in., mixed, $4.00 per 100.
Marguerite Daisy, large flowering white. 2 in., $3.00 per 100. Nephrolepis Cordata Compacta and Boston Fern, 2 in., $4.00 a 100.
Kentia Belmoreana and Forsterlana, 4 in., nice plants, 40c. each; 3 in., 20 cts. each.

GERANIUMS Bonnatt, Single and Double Grant, Rev. Atkinson, Mrs. E. G. Hill and S. A. Nutt, 3 in., $5 00 per 100.
DRACÆNA INDIVISA 3 in., $5.00 per 100.
ENGLISH IVY and Ampelopsis Veitchii, 2 in., $3 00 per 100.
CAMPBELL VIOLETS, Rooted runners, 50 cts. per 100.
COLEUS Rooted cuttings, 60c. per 100; 2 in., $2.00 per 100.
SALVIA Clara Bedman, best variety, 2 in., $2.00 per 100.
VINCA VAR. 2 in., $3.00 per 100; 3 in., $5.00 per 100.
AGERATUM Blue and white, 2 in., $2.00 per 100.
SMILAX 2 in., $2.00 per 100.
BRIDESMAID ROSE 3 in., $5.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

GERMOL A Sure and Safe Insecticide.

The following Testimonials tell of its Good Qualities:

I have used "Germol" on all sorts of plants in our greenhouses, and am pleased to say that it has given me more satisfaction than any other insecticide ever used here to this place. I have used it on the most delicate ferns, small palms and orchids as well as on bedding plants, and find it good in all cases. Never yet have I seen any bad results from its use.

Yours most respectfully, D. C. THOMSON.
Head Gardener Prospect Park, Brooklyn.

Regarding the sample of "Germol" you sent me some time ago, I would say it is, as an insecticide, about the best thing so far in the market. I have tried it for black scale on kentias, applying it with a syringe, and found that it did very good and quick work.

Yours very truly, CARL A. WOERNER.
Flatbush, N. Y. Manager for Mrs P. B. Meissner

For prices address **JOS. B. HARLEY, 293 Franklin Ave., BROOKLYN, N. Y.**

Mention the Florists' Exchange when writing.

Cincinnati.

Spring in all its glory is with us. The yards that were planted with beds of tulips are beautiful; all fruit trees are in full bloom. Peaches that were thought to have been killed are all right, and other fruit is also in good condition.

Business in the cut-flower line is quiet, and we are now experiencing our first glut of carnations. Roses are still holding their own; but prices have dropped all along the line, and there is plenty of stock in the market to fill all orders.

In bedding plants geraniums have the pull and will no doubt be scarce before the end of the season; they are now selling at $1 per dozen, which is too cheap; $1.25 could be had just as easy if the growers would ask it and stick to the price. Cannas will also be good stock, and are becoming more popular every year.

A letter dated Richmond, Ind., April 25, signed by John A. Evans, states that a son arrived at the Evans home at 11 p. m. Congratulations are now in order, and ventilators will now advance in price. The best wishes of the Cincinnati craft are extended to Mr. and Mrs. Evans and the boy. E. G. GILLETT.

Grand Rapids.

The lull has come at last, and with beautiful weather, which allows of the planting of carnations in the field. The carnation crop is in full, and some high-grade flowers are cut, particularly of Flora Hill. While business is dull there is no good stock going to waste. Roses are in good crop, with quality deteriorating. Carnations run from 25c. to 50c. per dozen; roses, $1 to $1.50 per dozen; lilies, $1.50 per dozen. Bulb stock is about over. Preparations are going ahead for a large Decoration Day trade.

Ben. Pohlmann, foreman for Crabb & Hunter, has gone into partnership with F. Hills, who furnishes the means, and they will build a large range of glass at East Grand Rapids and grow wholesale cut flowers.

Van Zonneveld, bulb agent, was a recent visitor. G. F. C.

Pittsburg.

The bright sunny weather is bringing stock on in great quantities, and if it continues will soon have the effect of shortening crops. Sweet peas have been finer this season than for a long time—good, long stems and flowers. Lilies are still abundant. Roses and carnations are too plentiful, particularly the former.

Plant sales are fair; at present prices are about the same as last year, with poor prospects for much betterment.

The Botanical Society of western Pennsylvania had their first field meeting Saturday last in the woods around Aspinwall. Quite a number followed Prof. Shafer and spent a pleasant afternoon.

Visitors during the week were Ernest Ashley, representing H. A. Dreer, and S. Pennock, both of Philadelphia.

E. C. REINEMAN.

Tarrytown, N. Y.

The regular meeting of the Tarrytown Horticultural Society was held at the Vanderbilt Building on Thursday, April 26. The society decided to hold a June show. Richard Griggs, Michael Greea and Albert Ely were elected to membership. ROBERT ANGUS

Reporting Secretary.

Erie, Pa.

Easter trade was very satisfactory with us. Roses and carnations were a little short in supply. Violets were plentiful and sold well, both cut and as pot plants. Azaleas, lilies, hydrangens, genistas and bulbous stock were in full supply and brought good prices.

S. A. B.

PAMPHLETS RECEIVED

SOUTHERN CALIFORNIA ACCLIMATIZING ASSOCIATION, Santa Barbara, Cal.—General catalogue and garden guide for the South, comprising summary description, degree of hardiness, hints to culture of 2,000 sorts of plants—a most interesting and serviceable handbook. This company is to be congratulated on the evident good work it is performing on behalf of horticulture.

THREE HUNDRED THOUSAND ROSES

Fine, Young Plants from 2½ Inch Pots.

Following List, $2.25 per 100; $20.00 per 1000

Marie Lambert	Purple China
Safrano	Mrs. De Graw
Marie Van Houtte	Clothilde Soupert
Christine de Noue	Lucullus
Andre Schwartz	Triumph Pernet Pere
Duchess Brabant	Etoil de Lyon
Princess Sagan	Empress of China
Coquette de Lyon	Golden Rambler
White Rambler	Lady Warrender
Marquis de Viviene	Louis oe la Rive
Yellow Soupert	Tennessee Belle
Aggrippina	Yellow Rambler
Climbing White Pet	Media
Marie Guillot	La Pactole
Mme. Elie Lambert	Maman Cochet
Maman Cochet White	Vera de Flora
Marechal Niel	Seven Sisters

Reine M. Henriette

Following List, $2.75 per 100; $25.00 per 1000

Bride	Climbing Bridesmaid
Comtesse Frigneusse	Climbing Meteor
Hermosa	Bertha Clavel
Duchess of Albany	Bridesmaid
Climbing Malmaison	Rainbow
Mme. F Kruger	Meteor
Universal Favorite	Crimson Rambler
Climbing M. Guillot	Malmaison
Climbing Wootton	Princess Bonnie

Following List, $3.00 per 100; $30.00 per 1000

Wichnraiana	La France	
Bon Silene	Sunset	
White La France	Kaiserin	
Climbing Kaiserin	Pierre Guillot	
Papa Gontier	President Carnot	
Perle	Souv. Wootton	Golden Gate

Following H. P. Roses at $4.00 per 100.

General Jacqueminot	Captain Christy
Mme. Plantier	Marie Baumann
Anna De Dieshach	Gloire Margottin
Magna Charta	Coquette des Alpes
Alfred Rougemont	Mme. Chas. Wood
Gloire Brixelles	Prince C. de Rohan
Coquette des Blanches	Clio
Paul Neyron	Louis Van Houtte

Following Roses from 3½ in. pots, $4.00 per 100

Bride	Purple China
Empress of China	Hermosa
Marie Lambert	Tennessee Belle
Yellow Rambler	Seven Sisters
Duchess Brabant	Safrano
Marie Van Houtte	La France
Yellow Soupert	Mrs. De Graw
C. Soupert	President Carnot

We also have a limited quantity of the following H. P.'s, budded, from 6 in. pots, at $10.00 per 100.

Paul Neyron	General Jack
Ulrich Brunner	Mme. Chas. Wood
Mrs. John Laing	Magna Charta
Marshall P. Wilder	Diesbach

Prince C. de Rohan

MISCELLANEOUS STOCK.

FLOWERING BEGONIAS Robusta, F. de Lesseps, Sandersonii, Vernon, nice 2½ inch stock, at $3.00 per 100; also Rubra, from 3½ inch pots, at $4.00 per 100.

HARDY PINKS Earle of Carlisle, Her Majesty, Laura Wilmer, Brunette, Alma, Fimbriata, Juliette, 2½ inch, $2.50 per 100; 3½ inch, $4.00 per 100.

MOON VINES White and Blue, $3.00 per 100. Pink Moon Vines, $3.00 per 100. Pink Moon Vines, 3 inch, $6.00 per 100.

FERNS N. Cordata Compacta, Exaltata, $3.00 per 100; Boston'ensis, $5.00 per 100.

FINE, LARGE CANNAS from 4 inch pots, Florence Vaughan, Italia, Austria, Chas. Henderson, Mme. Crozy, Queen Charlotte, $6.00 per 100.

GERANIUMS, 2½ in., $3.00 per 100; 3½ in. $4.00 per 100.
SCENTED GERANIUMS, Rose, Mrs. Taylor, Nutmeg, Balm, Oak Lemon.
PETUNIAS, mixed, 3 in., $4.00 per 100; 2½ in., $2.50 per 100.
GERMAN IVY, $2.00 per 100.
STROBILANTHES DYERIANUS, $2.50 per 100.
HIBISCUS COOPERI, $3.00 per 100.
TROPÆOLUM PHŒBE (NASTURTIUM) $2.00 per 100.
SANSERVIERA ZEYLANICA, $4.00 per 100.
MARGUERITES, $3.00 per 100.
SALVIAS, $3.00 per 100.
HONEYSUCKLES, Hall's Japan and Golden Japan, $3.00 per 100.
COLEUS, in variety, $2.00 per 100.
SMILAX, $2.00 per 100.
VINCAS, $2.50 per 100.
ALTERNANTHERA, rooted cuttings, $1.00 per 100.
ABUTILONS, 3½ in., $4.00 per 100; 2½ in., $2.50 per 100.
PTERIS TREMULA, $3.00 per 100.

TERMS: CASH WITH ORDER.

THE NATIONAL PLANT CO., Dayton, Ohio.

Mention the Florists' Exchange when writing.

THESE ARE MONEY MAKERS!!
ABOUT 750
CALLAS
in new 8 inch pots, they are grand bulbs and will be sold cheap cheap. Write or call and see them.

R. E. EDE, Parkville, Brooklyn,
Coney Island Avenue.

DRACÆNA INDIVISA

Fine stock, 3 years old, 2½-3 feet, out of 5 in pots, $3 per doz.; $20 per 100. 50 at the 100 rate. Cash with order.

ROWEHL & GRANZ,
Hicksville, L. I., N. Y.

Mention the Florists' Exchange when writing.

Daisies, Violets and Baby Primrose

L. H. Campbell, California, rooted runners, 60c. per 100; $5.00 per 1000. Princess of Wales, the best single Violet, and Swanley White, 75c. per 100; $7.00 per 1000.

Baby Primrose, by division, 30c. per doz., by mail; per 100, $2.00. ☞CASH WITH ORDER.

P. M. De Witt, Bridgewater, Bucks Co., Pa.
Formerly of Torresdale, Pa.
Make Money Orders payable at Eddington, Pa.

Mention the Florists' Exchange when writing.

CELERY—White Plume

Now ready, strong plants, 3 inches, once cut back, 15 cts. per 100 by mail; $1.00 per 1000 by express

H. J. BINLEY, Glens Falls, N. Y.

Mention the Florists' Exchange when writing.

300,000 VERBENAS

60 finest named varieties, including our new MAMMOTH WHITE MRS. McKINLEY. The finest white Verbena grown.

Perfectly healthy. Free from rust.
Rooted cuttings, 60 cts. per 100; $5.00 per 1000. Plants, $2.50 per 100; $20.00 per 1000.
Our list is the choice from millions of seedlings
Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

ASPIDISTRA

Nice pot plants, 8 to 10 leaves, 5 cents per leaf.

Vinca var., 3 inch, $3.00 per 100.
Heliotropes, 2½ inch, fine, $2.00 per 100.
Apple or Rose Geranium, strong, for 4 inch, $3.00 per 100.
Started Cannas, $3.00 per 100.
Echeveria Secunda Glauca, young stock to give good plants till spring, 50c. per 100. Cash, please.

WILLIAM STUPPE, Hollis, L.I., N.Y.

Mention the Florists' Exchange when writing.

FRESHLY IMPORTED ORCHIDS!

We beg to announce that after three years of futile efforts we have at last succeeded in collecting a grand lot of **Cattleya Percivalliana** plants, which we now beg to offer. This beautiful cattleya has been up to the present the "missing link" in the chain of a continuous flowering season of cattleyas the year round. Cattleya Percivalliana *only* will fill the gap left blank between Cattleya labiata and Cattleya Trianæ, and will prove itself to be a welcome acquisition and an ideal **Christmas Cattleya.** Also the following, just arrived:

FINE PLANTS, WELL LEAVED AND FREE FROM ALL DISEASE:

Cattleya Mendelii, in good condition
Cattleya Citrina
Lælia Majalis, L. Anceps, L. Autumnalis
Epidendrum Vitellinum Majus
Oncidium Tigrinum
Odontoglossum Rossii Majus
Dendrobium Phalænopsis Schroederianum, D. Formosum giganteum, D. Wardianum.
Vanda Cærulea

Due shortly:—Cattleya Mossiæ, Lælia Anceps Alba and Oncidium Varicosum Rogersii.

Lager & Hurrell's ORCHID RENOVATOR, specially prepared by us, guaranteed to restore to health and vigor any kind of Orchid in a run-down condition. Instructions how to use it will be furnished with each order. **Price, $10.00 per 100 lbs.**

LAGER & HURRELL, ORCHID GROWERS AND IMPORTERS, **Summit, N. J.**

Mention the Florists' Exchange when writing.

Unequaled Varieties VERBENAS Vigorous Stock.

IN BUD AND BLOOM.	100	1000
Best Mammoths, strong pot plants	$3.00	$25.00
Older " strong pot plants	2.50	20.00

ROSES.

Bridesmaid, Bon Silene, Catherine Mermet, Duchess of Albany, Golden Gate, Maid of Honor, Perle des Jardins, Sunset, The Bride, from 2¼ in. pots, $4.00 per 100, $35.00 per 1000.

FROM 2¼ INCH POTS CARNATIONS STRONG PLANTS

Mrs. Thos. W. Lawson.....$15.00 per 100.
The Marquis.....12.00 per 100.
America, Gen. Maceo, Gen. Gomez, $6.00 a 100.
White Cloud, Buttercup.....$5.00 per 100.
New York.....3.50 per 100.
Flora Hill, John's Scarlet, Sen Shell, Thos. Cartledge, Victor.....$3.00 per 100.
Lizzie McGowan, Wm. Scott, Portia, $2.00 per 100.

CHRYSANTHEMUMS.

For Varieties and Prices see Issue of April 28.

MISCELLANEOUS.

	100	1000
Anthemis, Double Golden Marguerite.	$2.00	
Ageratum, blue and white	1.00	$8.00
" Princess Pauline	1.50	
Coleus, all leading sorts	1.00	8.00
Fuchsias, double and single	2.00	15.00
Feverfew	1.50	12.00
Heliotrope, light and dark	1.25	10.00
Impatiens Sultani	2.00	
Moon Vines, true	2.00	15.00
Salvias, Splendens and Bedman	1.25	10.00

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

ETHEL CROCKER

30,000 plants, from soil, for April and May delivery. Crocker has filled every claim made for it and is worth a trial by every grower who wants the best pink carnation in the market.

25 for $2.50; 100 for $10.00; 250 for $18.75; 1000 for $75.00.

PANSIES FREYA AND FAIRY QUEEN.

Two good bedding novelties. Transplanted seedlings at **$1.00 per 100.** A few of my regular strain. Write for prices.

DWARF PETUNIA.

Adonis, carmine, with pure white throat, And **Snowball**, a pure white. They are always in bloom and a good plant for retail.

25 of each for $1.00, or $2.00 per 100, from 2 inch pots.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

LIBERTY! LIBERTY!

Own Rooted Stock Only.
FOR MAY DELIVERY.

Price of plants for A 1 stock, out of 2½ inch pots, as follows:

12 plants	60 cts. each
25 plants	50 cts. each
50 plants	30 cts. each
100 plants	25 cts. each
1000 plants	20 cts. each

E. G. ASMUS, West Hoboken, N. J.

Mention the Florists' Exchange when writing.

CYCLAMEN

Our well-known strain, 5 to 7 leaves,

$4.00 per 100; $35.00 per 1000.
Cash.

SEIDEWITZ,
36 W. Lexington Street, BALTIMORE, MD.

Mention the Florists' Exchange when writing.

Variegated Century Plants Ten for sale; two, each 4 ft. wide and 20 ins. high, others 2½ ft. wide and 15 ins. high, without tubs, good condition, $25. Also **Geraniums**, in 2 and 4 in. pots. WM. M. SMITH,
1821 Van Buren St., Camden, N. J.

Mention the Florists' Exchange when writing.

SEASONABLE BEDDING PLANTS

GERANIUMS, A. Riccard, Mme. Jaulin, double and single Gen. Grant, and all other leading varieties, in 4 inch pots.
AGERATUM, Princess Pauline, in 4 inch pots.
FUCHSIA, strong plants in bloom, in 4 inch pots.
PANSIES, superior strains from cold frames.
COLEUS, in varieties.
Prices on application.

J. H. FIESSER, 415 Summit Avenue, **West Hoboken, N.J.**

Mention the Florists' Exchange when writing.

SEEDLINGS

Grown from the best seed that money can buy.

Fine plants.	100	1000
Verbenas, extra Selected Mammoth	$0.30	$2.50
Phlox Drummondi nana compacta	.30	2.50
Asters, all varieties	.30	2.50
Mignonette, Golden Machet	.30	2.50
Candytuft, Empress	.25	2.00
Sweet Alyssum, Little Gem	.25	2.00

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS 3½ and 4 in. pots, $5.00 and $6.00 per 100. Beaute Poitevine, Mme. Buchner, Prof. Poirault, La Favorite, Mme Jaulin, S. A. Nutt and Gloire de France. Mixed Geraniums, 3, 3½ and 4 in pots, $3.00, $4.00 and $5.00 per 100.
Ivy Geraniums, mixed in bud, 3½ and 4 in., $5.00 and $6.00 per 100
Pansies, second to none, $1.50 per 100.
Victoria Forget-me-nots, ready for 4 in. pots, $4.00 per 100.
Asters, in pots, $1.00 per 100. Victoria and Truffauts, mixed; Semple's, 5 colors; Giant Comet, 4 colors.
J. B. SHURTLEFF, Jr., Revere, Mass.

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50,000 Rooted Cuttings

Heliotrope, 5 varieties, per 100.....50c.
Coleus, best red and yellow, per 100, 50c.; per 1000, $5.00.
MOON VINES White and blue, per 100, $1.00; per 1000, $10.00.
All of above fresh, clean and healthy and well rooted.

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Geraniums and Coleus

GERANIUMS, named, 15 vars., 2½ inch, $3.25 per 100; $30.00 per 1000.
COLEUS, R. C., strong, 10 vars., 90c. per 100; $7.00 per 1000. CASH WITH ORDER.
For Special Kinds and Prices address

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1000 GERANIUMS.

Varieties, Single Gen. Grant, S. A. Nutt and Centaur, ready for 3 in. pots, $20.00 for the lot.
Heliotrope, 2½ in., fine plants, $2.00 per 100.
Cannas, Mme. Crozy, 4 in. pots, $5.00 per 100.
Smilax plants, from flats, $1.00 per 100.
Cash with order.

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FANCY-LEAVED CALADIUMS

Bulbs 1½ to 2½ inches in diameter, 15 to 25 varieties	10	100
	$2.50	$20.00
Bulbs, 1 to 1½ inches in diameter, 8 to 8 varieties	1.50	12.00

The first size will make grand specimen plants or stock bulbs. No larger or finer are in the market.

LATANIAS and PHŒNIX.

	10	100
Latanias, 4 inch pots, 2-3 characterized leaves		$20.00
Latanias, 5 inch pots, 4-5 characterized leaves		30.00
Phœnix Reclinata, Canariensis and Pumila, 15-18 inches		20.00
Phœnix Reclinata, Canariensis and Pumela, 20-24 inches. Not less than 50 at above rates.		30.00

GRAFTED ORANGES and LEMONS.

	10	100
10 to 15 best varieties, 4 inch pots, 10-12 inches high	$2.50	$20.00
10 to 15 best varieties, 4 inch pots, 15-18 inches high	3.50	30.00
10 to 15 best varieties, 4 inch pots, 20-24 inches high	6.00	

	100	1000
1,000 **Prairie Roses,** very strong	$7.00	
1,000 **Moss Roses,** " "	7.00	
2,000 **Hybrid Wichuraiana** (Manda's),	5.00	$40.00

Quotations include packing.

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Choice ARECA LUTESCENS, KENTIA BELMOREANA, LATANIA BORBONICA and PHŒNIX RUPICOLA.

ARECA LUTESCENS—

8 inch pot (3 plants), very bushy, 26 to 30 inches high	$2.00
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KENTIA BELMOREANA—

	Per doz.	Per 100
3 inch pots, 4 to 5 leaves, 10 to 12 inches	$3.00	$25.00
4 inch pots, 5 to 6 leaves, 15 to 18 inches	6.00	50.00
6 inch pots, 6 leaves, 20 to 24 inches	18.00	150.00

LATANIA BORBONICA— Each
10 inch pots, 9 to 10 leaves, 30 to 36 inches high, 42 inches wide..... $4.00

PHŒNIX RUPICOLA—
8 inch, 24 inches high..... 2.00

My packing is done in the best possible manner, and shipping facilities for both freight and express are unsurpassed. **A Trial Order is Solicited.**

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100,000 BEDDING PLANTS, Very Fine.
Geraniums of kinds. **Coleus, Alternantheras,** etc., etc. Send for list. **Rooted Cuttings, Coleus.**

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Mammoth Verbenas. Rooted cuttings, large strong plants coming in bud, just right for Spring trade, 50c. per 100; $4 per 1000; potted plants, in large bud, $1 per 100. Send for sample; satisfaction guaranteed. **Verbenas,** 2 in. pots, in bud, $1 per 100; in bloom, $1.50 per 100.
Heliotrope, rooted, $1 per 100; 2½ in., $2 per 100.
Lobelia, 3 inch, in bud, $4.00 per 100.
Begonia Vernon, rooted, $1.00 per 100.
SAMUEL WHITTON, 15-17 Gray Ave., UTICA, N.Y.

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Ageratum, Lady Isabel and Cope's Pet. 60c. per 100; $5.00 per 1000.

60,000 Carnations Special low prices to move them quick.

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Flora Hill	$1.25	$10.00
Morello	1.25	10.00
M'y'r Pingree	1.25	10.00
Daybreak	1.25	10.00
Wm. Scott	1.00	7.00
McGowan	1.00	7.00

30,000 Violet, runners, California, $1.00 per 100; $8.00 per 1000.
20,000 Smilax, fine 2 inch plants, $1.25 per 100; $10.00 per 1000.
Daisies, California and Yellow Castle, $1.00 per 100; $9.00 per 1000; 2 inch, $2.00 per 100.
Heliotrope, 10 best varieties, $1.00 per 100; $8.00 per 1000. Fine 2 inch plants, $2.00 per 100; $18.00 per 1000.

Express paid on all rooted cuttings and satisfaction guaranteed; for that cash, please.

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CLAY CENTRE, KANSAS.

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Lobelia, Crystal Palace Gem, 2 in	2.00

Cash With Order, Please.

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N. Exaltata Bostoniensis.

Small plants, $5.00 per 100 or $40.00 per 1000; large plants, $6.00 to $20.00 per 100. Orders only taken for June delivery.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 8-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 inch, $3.00 per doz.
Asparagus Plumosus, $1.00 to $1.50 doz.
Asparagus Sprengeri, 3½ in. pots, $1.50 per doz.
Geraniums, 3½ to 4 in. pots, $7.00 to $8.00 per 100.
Heliotrope, $6.00 per 100.
Fuchsias, 3½-5 in. pots, $6.00 to $12.00 a 100.
Coleus, $3.00 to $5.00 per 100.
Hydrangeas, 25cts. to $1.50 each.
Also a general assortment of Bedding Plants.

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4 inch pots	$2.50 per doz;	$20.00 per 100.
5 "	4.75 "	35.00 "
6 "	9.00 "	70.00 "
7 "	1.25 each, and fine specimen plants from $6.00 and upwards.	

Areca Lutescens, fine plants from $5.00 upwards.
Kentia Belmoreana and **Forsteriana**—
4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, well grown, from $2.50 and upwards.
Phœnix reclinata, 4 in. pots, 25c. each, $20 per 100; 5 in. pots, 40c. each, $35.00 per 100; 6 in. pots, 60c. each, $55.00 per 100; 7 in. pots, $1.25 each.
Phœnix Canariensis, Rupicola and **Reclinata,** fine specimen plants, from $3.00 to $5.00 each.
Cocos Weddelliana, from 2 in. pots, $1.50 per doz.

ASPARAGUS SPRENGERI 3 in. pots, $1.00 a doz. 5 in. pots, 25c. each.

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Monthly Roses, in variety, $8.00 and $10.00 per 100, from 4 inch pots; from 5 inch pots, $15.00 per 100. **Geraniums** in variety, $7.00 per 100, from 4 inch pots; $3.00 per 100, from 2¼ inch pots. **Ageratum** (blue). **Cigar Plants, Scarlet Sage, Sweet Alyssum, Verbenas, Carnations, Hardy** and **China Pinks, Lobelias, Ivies, Coleus, Alternantheras,** from 2¼ inch pots, $2.50 per 100. **Dahlias** and **Cannas,** from benches, strong rooted plants, in variety, $5.00 per 100. Seedlings of Annuals and Perennials, $1.50 per 100. **ALL FOR CASH. 25 AT 100 RATES.**

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Young, healthy stock of **Palms, Ferns, Dracænas, Marantas, Dieffenbachias, Pandanus Utilis, Anthuriums, Clerodendrons, Allamandas, Stephanotis, Cissus, Ruellias, Jessamines, Cyperus,** Etc.

Pease state what you wish, and I will quote you lowest prices, as I issue no catalogue.

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L. H. Campbell and **California Violets,** 10,000 strong, Fall runners, ready to plant, $3.00 per 1000; **Princess of Wales,** $15.00 per 1000. All above by 100 same price.
5000 Ampelopsis Veitchii, long, live tops, pot-grown, dormant, at $3.00 per 100 or $25.00 per 1000.

Cash with order, please.

5000 Vinca Major var., 2½ in., strong, $3.00 a 100. **Carex Japonica,** Golden Glow. **Blue Moon Vines, Halleana** and **Golden Honeysuckle, Blue** and **Crimson Spiraea,** all from 2½ in. pots, good, 3 cts. each, as many as you want.
Also **Lady Washington Geranium, Genista,** assorted **Flowering Begonias. Manettia bicolor,** 4 cts. each; **Sprengeri,** 3½ in., fine, 8 cts.

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	Names and Varieties	New York May 4, 1900	Boston May 3, 1900	Philadelphia May 4, 1900	Baltimore May 2, 1900	Buffalo May 3, 1900
Roses	A. Beauty, fancy—special	10.00 to 15.00	16.00 to 20.00	.... to 40.00	.... to	25.00 to 40.00
	" extra	5.00 to 8.00	10.00 to 12.50	25.00 to 35.00	.... to 30.00	20.00 to 25.00
	" No. 1	4.00 to 5.00	4.00 to 6.00	10.00 to 20.00	18.00 to 25.00	12.00 to 18.00
	" Culls & ordinary	1.00 to 4.00	1.00 to 4.00	5.00 to 6.00	4.00 to 12.00	3.00 to 10.00
	Bride, 'Maid, fancy—spc'l	4.00 to 6.00	8.00 to 10.00	.... to 12.00	.... to	6.00 to 8.00
	" extra	3.00 to 4.00	6.00 to 8.00	8.00 to 10.00	.... to	5.00 to 7.00
	" No. 1	2.00 to 3.00	3.00 to 6.00	4.00 to 6.00	.... to 5.00	4.00 to 5.00
	" No. 2	1.00 to 2.00	1.00 to 3.00	2.00 to 3.00	3.00 to 4.00	1.00 to 3.00
	K. A. Victoria	.... to	6.00 to 12.50	6.00 to 10.00	3.00 to 5.00	.... to ....
	La France	1.00 to 4.00	.... to	.... to	3.00 to 4.00	.... to ....
	Meteor	1.00 to 3.00	.... to	2.00 to 3.00	4.00 to 6.00	2.00 to 8.00
	Papa Gontier	.... to	.... to	.... to	.... to 2.00	.... to ....
	Perle	1.00 to 3.00	.... to	2.00 to 5.00	3.00 to 4.00	1.00 to 4.00
	Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
	Orchids—Cattleyas	30.00 to 50.00	.... to	.... to 50.00	.... to	.... to ....
	Cypripediums	.... to 12.50	.... to	.... to	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	.50 to .75	1.00 to 1.50	.50 to .75	.75 to 1.00	.50 to .75
	Standard Varieties: White	.75 to 2.00	1.50 to 2.00	1.00 to 1.25	1.25 to 1.50	1.00 to 2.00
	Standard Varieties: Pink	.75 to 2.00	1.50 to 2.00	1.00 to 1.25	1.25 to 1.50	1.00 to 2.00
	Standard Varieties: Red	.75 to 2.00	1.50 to 2.00	1.00 to 1.25	1.25 to 1.50	1.00 to 2.00
	Standard Varieties: Yel. & Var.	.75 to 2.00	1.50 to 2.00	1.00 to 1.25	1.25 to 1.50	1.00 to 2.00
	*Fancy—(*The highest grades of standard var) White	2.00 to 3.00	.... to 2.50	1.50 to 2.00	1.75 to 2.00	2.00 to 4.00
	*Fancy—(*The highest grades of standard var) Pink	2.00 to 3.00	.... to 2.00	1.50 to 2.00	1.75 to 2.00	2.00 to 4.00
	*Fancy—(*The highest grades of standard var) Red	2.00 to 3.00	.... to 2.00	1.50 to 2.00	1.75 to 2.00	2.00 to 4.00
	*Fancy—(*The highest grades of standard var) Yel. & Var.	2.00 to 3.00	.... to 2.50	1.50 to 2.00	1.75 to 2.00	2.00 to 4.00
	Novelties	3.00 to 5.00	2.50 to 4.00	2.50 to 3.00	.... to	.... to ....
	Adiantum	.50 to .75	.... to .50	.75 to 1.00	.... to 1.00	1.00 to 1.50
	Asparagus	35.00 to 50.00	.... to 50.00	35.00 to 50.00	25.00 to 75.00	50.00 to 60.00
	Callas	4.00 to 5.00	4.00 to 8.00	.... to 8.00	5.00 to 6.00	.... to 6.00
	Daisies	.50 to 1.00	.... to	.75 to 1.50	.25 to .30	.... to ....
	Hyacinths	.50 to 1.00	.... to	.... to	.... to	1.00 to 3.00
	Lilies	4.00 to 5.00	4.00 to 8.00	5.00 to 8.00	.... to 6.00	5.00 to 8.00
	Lily of the Valley	1.50 to 3.00	1.00 to 3.00	2.00 to 4.00	.... to 3.00	3.00 to 4.00
	Mignonette—ordinary	1.00 to 3.00	1.00 to 1.50	.... to 1.00	.75 to 1.50	1.00 to 3.00
	Mignonette—fancy	4.00 to 5.00	.... to 2.00	.... to 2.00	.... to	.... to ....
	Narcissus	.50 to 1.00	.... to	.... to	.... to .50	.... to ....
	Smilax	10.00 to 20.00	8.00 to 12.50	15.00 to 20.00	12.00 to 25.00	15.00 to 20.00
	Sweet Peas	1.00 to 2.00	.... to 1.00	.40 to 1.50	.... to .75	.50 to .75
	Tulips	.50 to 1.00	1.00 to 3.00	.... to	.... to 2.00	1.00 to 3.00
	Violets	.10 to .15	.30 to .60	.... to	.... to	.... to ....
	Violets, special	.20 to .50	.... to	.... to	.... to	.... to ....

For Prices of Fancy and Special Stock see our Correspondence Columns.
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In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work.
45, 47, 49 WABASH AVENUE, - - CHICAGO, ILL.

...Wholesale Prices of Cut Flowers...

Names and Varieties	Chicago May 2, '00	St. Louis May 1, '00	Cincinnati May 1, '00	Milwaukee Apr. 28, '00	Pittsburg May 3, '00	Toronto Apr. 30, '00
Roses: A. Beauty, fancy—special.	20.00—25.00	25.00—30.00	....—25.00	25.00—35.00	30.00—35.00	....—40.00
" extra	10.00—12.00	15.00—20.00	....—	15.00—18.00	15.00—25.00	....—30.00
" No. 1	6.00— 8.00	8.00—12.50	5.00—10.00	10.00—12.50	10.00—12.00	10.00—20.00
" Culls & ordinary	3.00— 5.00	1.00— 8.00	....—	4.00— 6.00	3.00— 5.00	....— 5.00
Bride, Maid, fancy-spec'l	5.00— 6.00	5.00— 6.0	....— 5.00	8.00—10.00	10.00—12.00	....—12.00
" extra	3.00— 4.00	4.00— 5.00	....— 4.00	6.00— 8.00	8.00—10.00	....—10.00
" No. 1	1.00— 2.00	....— 3.00	....— 3.00	4.00— 5.00	6.00— 8.00	3.00— 6.00
" No. 2	....—	....— 2.00	....— 2.00	3.00— 4.00	2.00— 4.00	1.00— 4.00
K. A. Victoria	5.00— 6.00	....—	....—	....—	3.00— 8.00	....— ....
La France	3.00— 6.00	....—	....—	....—	....—	....— ....
Meteor	2.00— 5.00	2.00— 5.00	2.00— 4.00	4.00— 6.00	3.00— 8.00	1.00— 8.00
Papa Gontier	....—	....—	....—	....—	....—	....— ....
Perle	2.00— 4.00	2.00— 4.00	2.00— 3.00	4.00— 8.00	3.00— 8.00	1.00— 6.00
Souv. de Wootton	....—	....—	....—	....—	....—	1.00— 8.00
ORCHIDS—Cattleyas	....—	....—	....—	....—	....—	20.00—25.00
Cypripediums	....—	....—	....—	....—	....—	....—10.00
Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations: Inf'r grades, all colors	.40— .50	....— 1.00	.75— 1.00	1.00— 1.50	1.00— 1.50	....— .75
Standard Varieties: White	1.00— 1.50	....— 1.5	1.50— 2.00	1.00— 1.50	1.50— 2.00	.75— 1.50
Standard Varieties: Pink	1.00— 1.50	....— 1.50	....— 1.00	1.00— 1.50	1.50— 2.00	.75— 1.50
Standard Varieties: Red	1.00— 1.50	....— 1.50	....— 1.00	1.00— 1.50	1.50— 2.00	.75— 1.50
Standard Varieties: Yel.&Var.	1.00— 1.50	....— 1.50	....—	1.00— 1.50	2.00— 2.5	.75— 1.50
*Fancy— White	1.50— 1.75	....— 2.00	2.00— 3.00	2.00— 3.00	3.00— 4.00	2.00— 4.00
(*The highest grades of standard var) Pink	1.50— 1.75	....— 2.00	2.00— 3.00	2.00— 3.00	3.00— 4.00	2.00— 4.00
(*The highest grades of standard var) Red	2.00— 3.00	....— 2.00	2.00— 3.00	2.00— 3.00	2.50— 3.50	2.00— 4.00
(*The highest grades of standard var) Yel.&Var.	1.50— 1.75	....— 2.00	2.00— 3.00	2.00— 3.00	2.50— 3.50	2.00— 4.00
NOVELTIES	....—	....—	....—	....—	....—	....— ....
ADIANTUM	.50— 1.00	50— .75	....— 1.00	....— 1.00	.75— 1.00	....— .50
ASPARAGUS	40.00—50.00	....—25.00	....—50.00	....—	35.00—50.00	2.00—50.00
CALLAS	4.00— 6.00	6.00— 8.00	....—10.00	....—10.00	....—	3.00— 7.00
DAISIES	.40— .50	....—	....—	....—	.50— 1.50	.25— .40
HYACINTHS	1.00— 4.00	....—	....—	....—	....—	2.00— 7.00
LILIES	4.00— 6.00	6.00— 8.00	....—10.00	8.00—10.00	3.00— 8.00	4.00— 8.00
LILY OF THE VALLEY	2.00— 4.00	....—	....— 4.00	3.00— 4.00	2.00— 4.00	2.00— 3.00
MIGNONETTE—ordinary	....—	....—	....—	....— 2.00	.75— 1.00	1.00— ....
MIGNONETTE—fancy	....—	....—	....—	....— 3.00	1.50— 2.50	....— 5.00
NARCISSUS	1.00— 2.00	....—	....—	....—	....—	1.00— 3.00
SMILAX	12.00—15.00	12.50—15.00	15.00—20.00	....—25.00	15.00—20.00	....—15.00
SWEET PEAS	.75— 1.00	.50— .75	....— 1.00	1.00— 1.50	.50— 1.00	1.00— 3.00
TULIPS	1.00— 2.00	....—	....— 3.00	....—	....—	2.00— 4.00
VIOLETS	.20— .30	....—	....— .25	....— .50	....—	....— .50
VIOLETS—special	.40— .50	....—	....— .50	....— .75	....—	....— .75

C. A. KUEHN,
WHOLESALE FLORIST,
1122 Pine St., St. Louis, Mo.
A COMPLETE LINE OF WIRE DESIGNS.

H. G. BERNING,
Wholesale Florist
1322 Pine Street,
ST. LOUIS, MO.

Mention the Florists' Exchange when writing.

Headquarters in Western New York
FOR
ROSES, CARNATIONS
And all kinds of Seasonable Flowers.
Give Us A Trial

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WM. F. KASTING, 481 Washington Street, Buffalo, N.Y.
WHOLESALE COMMISSION FLORIST.
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BASSETT & WASHBURN,
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L. D. 'Phone at Hinsdale, No. 10.

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500,000 FEET OF GLASS.
Headquarters for American Beauty, Carnations, Blooms and Cuttings.
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SPECIALTIES
Jacqs., Brides, Maids, Violets, Valley, Carnations, Lilies and all Bulbous Flowers.
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J. K. ALLEN,
Wholesale Commission Florist,
106 WEST 28th ST., NEW YORK.
Telephone, 167 Madison Square.
LONG EXPERIENCE AND EVERY FACILITY.

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E. G. HILL & CO.
Wholesale Florists
RICHMOND, INDIANA.

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...and...
Florists' Supplies.
C. C. POLLWORTH CO., Milwaukee, Wis.

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PITTSBURG CUT FLOWER CO., Ltd.
Roses, Carnations, Lilies, Valley, Smilax, Sprengeri, Ferns.
PITTSBURGH CUT FLOWER CO. LTD. FORT PITT PITTSBURGH, PA.
FLORISTS' SUPPLIES
No. 504 Liberty St., PITTSBURG, PA.
SPECIAL
ASPARAGUS PLUMOSUS NANUS,
35 to 50c. per string.

Mention the Florists' Exchange when writing.

GERANIUMS.

S. A. Nutt,

Fine stock from 2½ inch pots, ready to shift into 4's.

$3.50 per 100.

VIOLETS.

Princess of Wales.

Strong bench struck cuttings.

$1.00 per 100.

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

Rooted Cuttings, Etc.

LOW PRICES FOR CASH.

Salvia, Splendens and Bonfire;
Heliotrope, Lobelia, dwarf and trailing;
Feverfew, Dwarf Gem;
Paris Daisy, Giant;
Alyssum, Double Giant;
Each of above $1.00 per 100, by mail; $8 00 per 1000, by express; potted plants, $1.50 per 100.
Vinca Variegata, $1.00 per 100.
Fuchsia, $1.00 per 100.
Rudbeckia, Golden Glow, $3.00 per 100.
Cannas, Austria and Crozy;
Ageratum, white and blue, 75c. per 100.
Verbenas, R. C., 75c. per 100; fine pot plants, $2 00 per 100.
Dracæna Indivisa, 3 inch, $3 00 per 100; 4 inch, $5.00 per 100; this stock is extra good value.
Solanum Jasminoides Alba, fine for vases, $1.50 per 100.
Oranges, Otaheite, 4 and 5 in. pots, 10c. each in lots of 10 or over.
Aspidistra, green and var., average 3 leaves, 10c. per plant.
Begonia Veruon, ready for 3 inch pots, 60c. per 10.
Day Lily, white, hardy, at 5c.

ORANGE FLORAL CO., West Orange, N. J.

Mention the Florists' Exchange when writing.

SALVIA SPLENDENS

A fine lot at $1.00 per 100. Cash with order. Sample for 2 cent stamp. Address

H. M. WOUNDY, New Canaan, Conn.

GOOD STOCK

	Per 100
5000 **Geraniums,** our selection, 4 in.	$8.00
4000 **Obconica Primula,** 4 in.	6.00
5000 **Alternanthera,** large leaved, 2½ in.	2.00
2000 **Fuchsias,** choice mixed, 2½ in.	2.00
500 **Vinca,** variegated, trailing, 7 in.	20.00
1000 **Hydrangea,** Dr. Hogg, 5 in.	15.00
2000 **Begonias,** flowering, our selection, 2½ in.	1.50
5000 **Petunias,** double mixed, 4 in.	6.00
1000 **True Maiden Hair Fern,** 2½ in.	4.00
500 **Dracæna Indivisa,** 6 in.	15.00

THE MORRIS FLORAL CO., Morris, Ill.

COLEUS.

Crimson Verschaffeltii and Golden Queen, $7.00 per 1000, 75c. per 100; 2 in. pots, $1.50 per 100. Coleus in variety, $5.00 per 1000, 60 cts. per 100; 1¾ in. pots, $1.25 per 100.
AGERATUM, Blue and White, 75c. per 100; 1¾ in. pots, $1.25 per 100. Princess Pauline, $1.00 per 100 1¾ in. pots, $1.50 per 100.
GIANT ALYSSUM, $1.00 per 100.
SALVIA, Splendens and Bedman, $1.25 per 100; 2 in. pots, $1.75 per 100.
HELIOTROPE, 6 vars., named, $1.00 per 100; 1¾ in. pots, $1.50 per 100.
CUPHEA (Cigar Plant), $1.00 per 100.
FUCHSIAS, $1.50 per 100; 2½ in. pots, $2.50 per 100.
FEVERFEW, $1.50 per 100; $12.00 per 1000; 2 in. pots, $2.00 per 100.
VINCAS, $1.25 per 100; $10.00 per 1000. 4 in. pot, $8.00 per 100; $70 per 1000. Fine plants.

The above are rooted cuttings, except when noted Cash must accompany all orders.

J. E. FELTHOUSEN, Schenectady, N.Y.

Hot-Bed Sash

Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.

Quick Shipments.

We have in stock and can ship immediately:

3 ft. x 6 ft., 3 rows 10 in. glass.
3 ft. 3 in. x 6 ft., 4 " 8 in. "
4 ft. x 6 ft., 5 " 8 in. "

Not glazed, 1¾ in. thick.

Delivered Prices

Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.

LOCKLAND LUMBER CO.,
Lockland, Ohio.

Mention the Florists' Exchange when writing.

PETUNIAS from Dreer's Superb Double Seed. 3 in. pots, $3.00; 4 in. pots, $5 00 per 100. **Geraniums,** good bedders, 3 in. pots, $3.00; 4 in. pots, $6 00 per 100. **Dwarf Sweet Alyssum,** 2½ in. pots, $2.00 per 100. **Artillery Plant,** 3 in. pots, $3; 4 in. pots, $5 00 per 100 **Dreer's Mammoth Verbenas,** 3 in. pots, $3.00 per 100. **500 Vernon** and **Vulcan Begonias,** 3 in., $3.00 per 100. All other stock sold. **Alternanthera,** red and yellow, 2½ in. pots, $1.75 per 100 White and yellow **Marguerites,** 4 in. pots, $5.00 per 100. Satisfaction guaranteed. Low express rates.

J. S. BLOOM, Reigelsville, Pa.

Mention the Florists' Exchange when writing.

XXX STOCK

SPECIAL OFFER FOR IMMEDIATE ORDERS. VERY STRONG AND FINE, OUT OF 3½ INCH POTS, IN BUD AND BLOOM, $3.00 PER 100.

ABUTILON, 3 varieties, and **SAVITZII.**
HELIOTROPES, 3 varieties, large flowering.
IVY GERANIUMS, 4 finest double varieties.
LANTANAS, pink, white and yellow.
LOBELIA, Emperor William. The very finest dwarf blue.
VERBENAS, Mammoths, fine, in mixture.
AGERATUM, Blue Perfection, 2½ in. pots, in bud, $1.50 a 100.
PANSIES Large flowering, very fine, in bloom, $1.50 per 100. Strictly cash prices. Extras added liberally.

The Home of Primroses, JOHN F. RUPP, Shiremanstown, Pa.

Mention the Florists' Exchange when writing.

Can You Make Use of

	Per 100
Stocks, Double White, good value	$2 00
Mignonette Machet, strong, 2 in.	1 50
Solanum Capsicastum, 2 in.	1 50
Smilax, strong, 2 in.	1 25
Browallia Speciosa Major, 2 in.	1 00
Carax var., strong, fine for vases, 2½ in.	3 00
Boston Ferns, fine young stock, 2½ in.	5 00
Ipomœa, Blue, strong plants, 2 in.	3 00
Ficus, Long Leaved, 3 to 4 shoots	20 00
Aspidistra, to grow on.....100 leaves	4 50
Asparagus Sprengeri, 2 in.	2 00
Vinca, Trailing, strong, 4 in.	8 00

A. G. FEHR, Belleville, Ill.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR

ENGLISH IVY

Extra fine plants, out of 4 inch pots, 5 feet, 2 plants to pot, bushy, $1.00 per 100; small plants, out of 2½ inch pots, $3 00 per 100.
BEGONIA Semper florens gigantea, strong plants, 3 inch, $8.00 per 100.
PERIWINKLE, 4 inch, strong, $8.00 per 100.
PANSIES in Separate Colors, Roemer's strain, extra strong, $3.00 per 100
A few **California Privet** and **Spiræa Anthony Waterer** left, 3 years old, $8 00 per 100.
For Chrysanthemum Planting Time will have a great variety of the newer standard sorts, in fine condition, on hand. Orders taken now.
CASH, PLEASE.

CHAS. ZIMMER, West Collingswood, N. J.

Mention the Florists' Exchange when writing

VINCAS AND LEMON VERBENAS FINE STOCK

VINCAS, 3 in., $6 00 per 100; 3½ in., $8.00 per 100; 4 in., $10.00 per 100; 5 in., $15.00 per 100.
LEMON VERBENAS, $3.00, $4.00 and $6.00 per 100.

	Per 100
Abutilon Var., trailing, 2½ in.	$4.00
Alternantheras, 2½ in.	2.50
Antherieum, 3 in.	6.00
BEGONIAS—	
Rex, 4 inch	10.00
" assorted, 2½ in.	4.00
" named, 2½ in.	6.00
Coleus, 2½ in.	3 00
Dracæna Indivisa, extra fine, 3 in.	10.00
3½ in.	15.00
4 in.	25.00
5 in.	$35.00 to 50.00
Fragrant Calla, 2½ in.,	1.50 per doz.
	Per 100
Forget-Me-Not (Winter Flowering) 2½ in.	$4.00
Fuchsias, 2½ in.	4.00
GERANIUMS—	
Mars, Excellent plants	8 00
Ivy Leaved, 2½	4.00
S. A. Nutt, 2½ in.	6 00
" 3 in.	8.00
La Favorite, 3 in.	6.00
Happy Thought, 2½ in.,	$4.00 and 6.00
GERANIUMS—	Per 100
Silver Leaf, 2½ in.	$1.00
Mrs. Pollock, 2½ in.	4.00
Mignonette, 2 in.	2.00
Manettia Bicolor, 2½ in.	4.00
Palm Washingtonia Filifera, 2½ in.	4.00
Pansy Plants, $8 a 1000.	1.00
" " $5 a 1000.	.60
Salvia, 2½ in.	3.00
" 3½ in.	6.00
Single Petunias, 2½ in.	3.00
" " 3 in.	5.00
Single Petunias, flats	1.50
Vinca, 2½ in.	3.00

100,000 CUTTINGS.

	Per 100
Achryanthes	$1.00
Alternantheras, red and yellow..$5 per 1000,	.60
Ageratum blue and white,	1.00
" Princess Pauline,	1 25
Alyssum, Double Giant,	1.00
Begonia Erfordii	2.00
" Rex	2.00
" Inc. Gigantea	2.00
COLEUS—	
Fancy and large leaf	1.00
Verschaffeltii, yellow and selected kinds, $7 a 1000,	.80
Mixed colors, $5 per 1000,	0.60
Forget-Me-Not (Winter Flowering)	2.00
GERANIUMS—	
Named	$2.00
Mixed	1.50
Mrs. Parker (Double Pink) Silver Leaf	4.00
Silver Leaf, Rose Scented	1.50
Mme. Salleroi	1.25
Double New Life	4.00
Mrs. Pollock and Happy Thought	2 00
Bronze	2.00
Mars, Freak of Nature	3.00
Mme. Bruant	2.50
Fuchsias, assorted	1.50
" Sun Ray (variegated)	4 00
Fuchsias, Trailing Queen	1.50
German Ivy	$1.25
Heliotrope, purple and white	1.25
Impatiens Sultani	2.00
Lantana, assorted	1.50
" trailing.	2.00
Lemon Verbena	1.50
Lobelia	1.00
Manettia Bicolor	2.00
Tradescantia Tricolor.	2.00
Salvia	1.25
Stevia Var.	1.50
Verbenas, $7.00 per 1000.	.75
Vinca Var., extra strong	1.50
Anthemis Coronaria (Double yellow Marguerite)	2.00

Terms, Cash or C. O. D. **GREENE & UNDERHILL, Watertown, N. Y.**

Mention the Florists' Exchange when writing.

Boston.

The Market.

Business has been rather quiet the past week, although a few weddings livened it up a little for the retailers. All kinds of flowers are in abundant supply, and the demand for most of them is limited. Roses are very plentiful but meet but a light call, moving rather slowly at about the same prices as quoted last week. American Beauty average $15 to $20 for best grade, with others in proportion down to $3. Brunner are shortening up somewhat in supply, and Jacqueminot are about done for. Bride and Bridesmaid are very plentiful, and go rather slowly; a limited quantity of specials bring $10. Really first-class roses, and, again, the small sizes suitable for funeral work, do pretty well; there are plenty to go around.

Carnations continue in very good supply, and though favored with a fairly good demand for this season they are seldom cleaned up nowadays. Ordinary sorts make $1.50 to $2, the latter figure being for best grades, excepting fancy Daybreak, white, and Eldorado, which make $2.50 per 100. Bradt hold at $4 per 100. There are quantities of carnations that are sold for $1 and $1.25 per 100.

The supply of bulbous stock is shortening up; quality is getting poor and there is consequently little demand. Lilies are very abundant and are very little sought after, selling for what they will bring—from $4 to $8 per 100. Valley is very plentiful and moves slowly. Bulbous stock from out-of-doors is now arriving, of fairly good quality though as yet rather short stemmed.

The supply of violets is diminishing and good ones are very scarce. Mayflowers are plentiful; there was quite a demand for them on Tuesday (May Day). Sweet peas have become quite abundant, meeting with a very good call. They clean up daily at $1 per 100.

News Jottings.

John Forbes, of Jamaica Plains, brought in the first gladiolus of the season on Wednesday last.

The Spring display of tulips at the public gardens is about at its best now, and presents a handsome sight.

The May exhibition of the Massachusetts Horticultural Society will be held on Saturday, May 5. Prizes are offered for pelargoniums, Indian azaleas, calceolarias, orchids and amaryllis in plants; and for tulips, hardy narcissus, and pansies in cut flowers.

The auction sales at McCarthy's have been well attended so far, and have proven very satisfactory. F. J. N.

COLEUS

Crimson Verschaffeltii, Golden Queen and	100	1000
Golden Bedder	$0.75	$6.00
Coleus, in variety	.60	5.00
Ageratum, blue and white	.60	
" Princess Pauline	.75	
Giant Alyssum	.60	
Variegated Alyssum	.75	
Double Petunias	1.25	
Salvia Splendens and Bedman	1.00	
Heliotropes, 12 varieties	1.00	
" 2 inch pots	2.00	
Alternantheras, A. Nana, from soil	.60	5.00
Pansy Plants, in bud and bloom	1.00	8.00

Geraniums, 2 in. pots, $2 50; 3 in. pots, $3 50 per 100.
Cuttings by the 100, by mail, prepaid. Rooted cuttings except where noted. Cash with order.

C. A HARRIS & CO., DELANSON, N Y.

Mention the Florists' Exchange when writing.

GERANIUMS

Finest varieties, mixed, 3 in. stocky plants, at $5.00 per 100.

	Per 100
Roses, Bridesmaid, 2 in.	$2.50
Cohæa Scandens, 2½ in	2.00
Rudbeckia, Golden Glow, 2½ in.	2.50
Abutilon, Souv. de Bonn, 3 in.	4.00
Feverfew, Little Gem, 3 in.	3.75
Dusty Miller (Gym.), 3 in.	2.50
Cigar Plant, 3 in.	3.00
Verbenas (Mammoth), 2 in.	1.50
Caladium Esculentum, 5 in.	5.00

A BARGAIN IN SURPLUS BULBS.

	Per 100
Caladium Esculentum—	
Small size	$1.25
Medium	2.00
Extra large	4.00
Tuberose Bulbs—	
Excelsior Dwarf Pearl, A No. 1 stock, 75 cts. per 100; $6.00 per 1000.	

SWEET PEA SEED.

Very best quality, mixed, per lb., 20 cts.; 6 lbs. for $1 00. N. Y. express. SATISFACTION GUARANTEED. Cash with order.

GEO. L. MILLER, Newark, Ohio.

Mention the Florists' Exchange when writing.

	Per 100
ALTERNANTHERAS, yellow, $1.50; red	$1 75
OXALIS FLORIBUNDA, fine for vases	1 50
COLEUS, good assortment, 2x2½ in. pots	2 00
GERANIUMS 12 vars., fine plants, 2½ in. pots	2 75
" " 3 "	3 75
CENTAUREA GYMNOCARPA, 2 in. pots	2 00
VINCA VINES, 2 vars.	3 00
ASPARAGUS SPRENGERI, May 15th	3 50
ASPARAGUS PLUMOSUS NANUS, June 1st	4 00
PRIMULAS, 5 vars., July 1st	2 00
SMILAX, 2 in. pots, May 15th, per 1000, $8.00	1 00

Fine Stocky Plants

CASH, PLEASE.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Mention the Florists' Exchange when writing.

Newport, R. I.

At the Caswell greenhouses Manager Allan has, during this week, had all hands at work planting out carnations in the field—about 20,000 altogether being handled—all from pots. Mr. Allan has been at work for some time getting out a ventilator, and has succeeded in getting up one at one-third of the cost of those now in use. The advantage claimed, besides the cost, is that a whole house, no matter how long, can be worked to perfection by one machine. A patent has been applied for and it is expected the ventilator will be put on the market ere long.

A little over a year ago quite a number of automatic ventilators were put into greenhouses here, principally rose houses and graperies, and all of them, so far as I can learn, have given great satisfaction Having been trusted to do the work day and night they have done away with the old rule of "closing up" for the night. A stronger growth and freedom from mildew has been the result. Their high price is the only bar to their more general use.

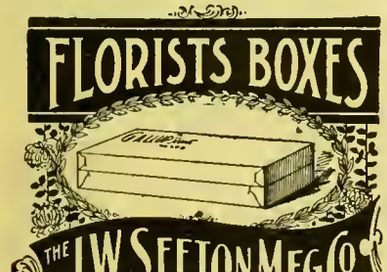
Messrs. Lord & Burnham have secured a contract to construct a vegetable house for Mrs. Wm. R. Hunter.

MAC.

We have facilities everywhere } FOR HANDLING COLLECTIONS FOR SECURING REPORTS....
FOR INFORMATION WRITE
THE NATIONAL FLORISTS' BOARD OF TRADE
C. S. LODER, Sec'y, 271 Broadway, New York.
Mention the Florists' Exchange when writing.

Right After Easter
The selling of Spring Bedding Stock will be in order.

Novelty Booklets
Cards, etc., in colors, will help you.
Free samples ready April 16th. Apply early.
DAN'L B. LONG, Publisher, Buffalo, N.Y.
Mention the Florists' Exchange when writing.

FLORISTS BOXES


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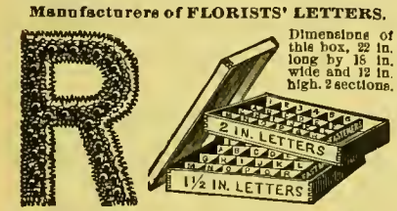
BOSTON FLORIST LETTER CO.
Manufacturers of FLORISTS' LETTERS.


Dimensions of this box, 22 in. long by 16 in. wide and 12 in. high. 2 sections.
This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1½ or 2 inch size, per 100, $2.00.
Script Letters, $4.00.
Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.
N. F. McCARTHY, Treas. & Manager,
FACTORY, 13 Green St. BOSTON, MASS. OFFICE, 84 Hawley St
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TOBACCO STEMS AND DUST
Guaranteed Extra Strong and Fresh
STEMS, BALES, 200 to 500 lbs.....70 cts per 100.
DUST, packed, 25, 50, 100, 250 lbs.....2½ cts. per lb.
U. Cutler Ryerson, 108 Third Ave., Newark, N. J.
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FRANK S. HINEY & CO.,
..ARTISTS..
44 N. 4th St., PHILADELPHIA, PA.
Horticultural Illustrating in all known processes. Catalogue Cover Designs, etc.
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HEADQUARTERS FOR
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Supplies
For Florist, Store and Greenhouse; Wire Frames, Cape Flowers, Cycas Leaves and Wreaths, Metal Designs, Wheat Sheaves, Etc. Also Seeds and Bulbs. Send for latest lists to
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COMBINING the qualities of an absolute insect exterminator with those of a vigorous fertilizer. Recommended and in use by the foremost florists and nurserymen in the land. For Sale at the Seed Stores.
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It's Dead Easy
To String your Smilax, when you use the
Meyer Green Silkaline.
SAMPLES AND PRICES FREE.
FOR SALE BY LEADING JOBBERS.
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H. F. LITTLEFIELD, Worcester, Mass.
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IT is a whole library for commercial florists in one volume, containing 200 comprehensive articles on important trade plants and subjects, illustrated by 224 handsome half tone engravings, the articles arranged alphabetically, encyclopedia style. It is a complete Reference Book for Commercial Florists, written by a thoroughly practical man who is in daily touch with every department of the business.
Price, $5.00, by prepaid express or mail, to any point in the U.S. or Canada.
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STANDARD FLOWER POTS
FIRST QUALITY. CREAM COLOR.

1¾ in., per 1000	$2 40		3½ in., per 1000	$4 95	
2 in., "	2 75		4 in., "	6 20	
2½ in., "	3 35		5 in., "	10 80	
3 in., "	4 70		6 in., "	16 50	

Packages extra.
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SECOND-HAND FLOWER POTS CHEAP

	Per 1000
18,000 2¼ in. rim pots	$2 50
10,000 2½ in. plain pots	2 50
8,000 2 x 3 Rose pots	2 25
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These pots are in good condition. Many of them have only been used once. Address
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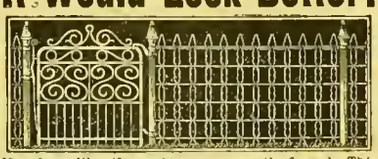
More homelike, if your lawn were nestly fenced. This HARTMAN STEEL ROD LAWN FENCE with steel posts is most durable, handsome and cheap. Look into the matter. Illustrated catalogue free.
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Vapor Insecticide
POWDER.
No labor required. Harmless to bloom and foliage. A certain killer of
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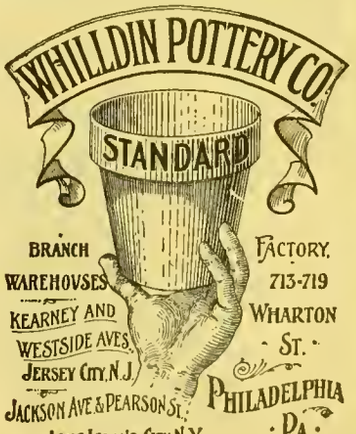

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Are You Using Our
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If NOT, DO so. Full standard size, up-to-date. Small crates easy to handle. Send for our New Price List.
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STANDARD FLOWER POTS!
Packed in small crates, easy to handle.

	Price per crate			Price per crate
1500 2 in. pots in crate,	$4.88	120	7 in. pots in crate,	$4.80
1500 2¼ " "	5.25	60	8 " "	5.00
1500 2½ " "	6.00	48	9 " "	5.50
1000 3 " "	5.00	48	10 " "	4.80
800 3¼ " "	5.80	24	11 " "	5.60
500 4 " "	4.50	24	12 " "	4.80
320 5 " "	4.51	12	14 " "	4.80
144 6 " "	5.16	8	16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.
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Hot Bed Sash. Red Cedar Posts.

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MELROSE, MASS.
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By Using
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One cent gets our Catalogue.
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Roller bearing self-oiling devise automatic stop, solid link chain makes the IMPROVED CHALLENGE the most perfect apparatus to the market.
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See the Point
The Van Reyper Perfect Glazing Points are the best. No rights or lefts. Box of 1000 points 75 cents, postpaid.
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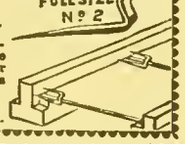

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You can regulate it. Send for list of testimonials. Pat. allowed Feb. 25, 1900.
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The Florists' Supply Co,
No. Tonawanda, N. Y.
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Ventilating System.
SOIL-MACHINES
in Large or Small Sizes.
SEND FOR CATALOGUE.
A. Q. WOLF & BRO., Dayton, O.
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Chicago.

State of Trade.

The condition of the market presaged in my last notes has become only too evident. The supply of stock has increased enormously, for which there is less outlet. This is especially true of carnations, and prices have dropped even for the choicest. G. H. Crane and America are still held at $3, but all other kinds in this market will not go above $1.50 to $2, while in clearance sales they are disposed of at 5c. to 10c. per bunch; and the street men, toward night, offer them at 5c. per bunch as sent in by the grower. With roses it is a trifle better, but the best long-stemmed Beauty bring only from $2.50 to $3, and so on down to $1 to $2 per 100 for shorts. In teas the highets figure to be quoted is $6; good stock brings $3 and $4, and after the morning sales and shipping orders have been provided for $7.50 to $10 per 1,000 takes the lion's share. Lilies and callas are still plentiful, finding very dull sales. Violets are no longer a feature. Bulbous stock is slackening up in supply. Some near-by outdoor grown flowers are coming in.

We are now in the midst of Dewey Day, but it is not thought this will cut any figure in floral circles. The only thing to improve matters is for the growers to let up for a spell and not pour everything they can cut into a dull market. It is too late in the season to expect Winter prices to prevail. This much can be said, however: An enormous quantity of flowers is being sold at some price; in fact, some of the big growers seem quite content with the cash returns. It is the casual shippers and those sending in poor stock that will now suffer the worst.

Among Growers.

M. H. Mann, 3793 N. Clark street, has six houses of carnations, each house 120 feet long. This is his first year and his success has been gratifying. Planting of next year's crop is now, April 28, being done. In pinks there are Triumph and Mrs. Frances Joost; white, McGowan and Flora Hill; red, Evanston, which, with variegated Mrs. Bradt, will form the bulk of those to be housed, besides 1,500 Mrs. Lawson, the same number of The Marquis—In all about 15,000 from which to select. For Summer flowering he has 7,500 Scott, 5,000 Mrs. Fisher and 3,000 Evelina. The product finds a market at J. A. Budlong's wholesale house.

Bedding plants will from this date on be a big feature with A. H. Schneider, Oak Park, he having both a home and cemetery trade. He has a fine lot of stock, probably from 60,000 to 70,000 plants.

Jacob Russler, Fernwod, has mostly a home market, selling from a store. A good bedding plant business is done. Cyclamen, cinerarias and calceolarias sold well this Spring, also Rambler roses.

American Grown Hyacinths.

A bed of hyacinths at Lincoln Park, raised from bulbs grown and sent from Whatcom Co., Washington State, has been in flower this week. The varieties were King of the Blues, Gertrude, Norma, Robert Stelger, Marie and General Pelissier. All the bulbs produced splendid heads of flowers, the three latter kinds, two spikes and upwards, Marie having six spikes. There is no question about the quality of American-grown bulbs, if they can be supplied cheap enough, as these examples grown out-of-doors, and others grown in pots by Mr. Stromback, and exhibited during the Winter before the Florists' Club, show.

Sunday, April 29, being the first warm day of the season, it was estimated that 75,000 people were in the park during the day.

Carnation planting is now on in full swing. Bassett & Washburn had ten men planting all last week; 75,000 plants were set out, with more to follow.

Peter Reinberg has a new piece of land on which he will plant four acres, all fine stock.

Round About.

A. L. Randall returned suddenly from West Baden on account of the serious sickness of an only daughter.

Flint Kennicott has left for his country home, out at the old homestead—The Grove, in this county—for the Summer.

Soft coal has gone up in price 33 per cent., and, it is feared, to stay. This will be a serious feature to the florists, who mostly use soft coal in this city.

Peter Reinberg is sending in from ten to fifteen thousand roses a day.

Wietor Bros. on Monday had 1,100 long-stemmed Beauty. Ess.

GEORGE RIPPERGER,
SHEEP MANURE
I have now on hand a large quantity of A1 SHEEP MANURE.
Send for PRICE LIST and SAMPLE.
Best Fertilizer for Top Dressing.
Office, 207 Academy St., LONG ISLAND CITY.
Factory, Seventh St.,
Mention the Florists' Exchange when writing



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RED TOWERS BRAND
BONE MEAL
FOR FLORISTS
100 lb. bag....$1.75 ½ ton.....$14.50
¼ ton.....$7.50 1 ton.....$28.00
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Odorless Lawn Dressing.
Terms, Cash with Order.
RED TOWERS GREENHOUSES,
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YOU SHOULD KNOW WHAT NOTED GROWERS SAY
Imperial Liquid Plant Food DOES.
Inodorous, not expensive. Full information, booklets, prices on request. Leading Eastern Dealers handle it. Eastern Chemical Co., Mfrs., 620 Atlantic Avenue, Boston, Mass.
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Cucumbers and Melons
and all vegetables are exceedingly profitable if grown for the early market. *Large yields* and *early maturity* are *certain* to follow the judicious use of
Nitrate of Soda.
For particulars and proofs write for free book to John A. Myers, 12 F.John St., New York. *Nitrate for sale by fertilizer dealers everywhere.*
Write at once for List of Dealers.
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TWO hundred bushels of Potatoes remove eighty pounds of "actual" Potash from the soil. One thousand pounds of a fertilizer containing 8% "actual" Potash will supply just the amount needed. If there is a deficiency of Potash, there will be a falling-off in the crop.

We have some valuable books telling about composition, use and value of fertilizers for various crops. They are sent free.

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ELECTRIC FERTILIZER
This product is a complete fertilizer for all Greenhouse Plants, Fruits, Vines, Flowers and Farm Plants. Ten days after use it will show its beneficial nourishing action on the plants, and it contains ingredients which will continue to benefit the plants for a whole year.
PRICE, $38.00 per ton. Single lbags of 167 lbs., $3.50.
The results obtained from the use of Electric Fertilizer on both flower and vegetable plants surpassed by far my expectations. After a thorough trial I sincerely recommend it to all Florists, Gardeners and Farmers
JOSEPH SKLENKA, Florist and Gardener, 279 LOCKWOOD STREET, Long Island City, N. Y.
PRINCIPAL AGENT FOR THE ELECTRIC FERTILIZER.
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Cal. Red Cedar and Louisiana Cypress.
BEST GRADES. PERFECT WORKMANSHIP.
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Standard Ventilating Machine
...HAS POSITIVELY NO EQUAL FOR...
STRENGTH, DURABILITY and NEATNESS.
Guaranteed for 10 years. Has a solid wheel and shaft cast in one (malleable iron). No slipping on Line Shaft as the case with all others. Catalogue free.
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HOT AIR PUMPS
ARE USED.





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Send to nearest office for Catalogue "X."
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Gulf Cypress Bars.

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HAVE RICH MELLOW LAND.

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A sure preventive of glass slipping; effective on large or small glass; zinc, will not rust, last forever; easy to drive and easy to extract. Two sizes, ⅝ and ¾ in. long. One pound packages 40 cts. 1440 points ⅝ in. size, 1040 points ¾ in. size, in a pound. By mail, 16 cts. per lb. extra.

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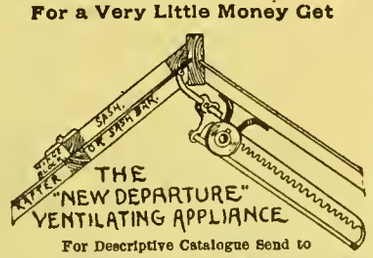
For a Very Little Money Get



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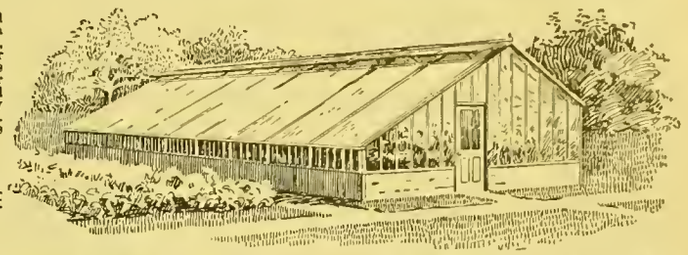

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Greenhouses erected with our PATENT IRON CONSTRUCTION.

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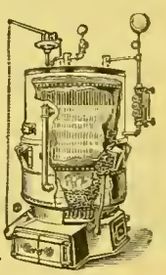

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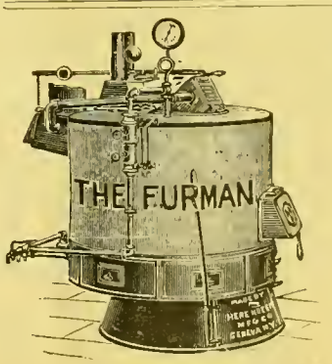

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DAHLIAS 250 varieties, named $4 00 per 100; mixed, unnamed, $2.00 per 100.
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From flats, by mail, 50 cts. per 100; $4.00 per 1000.
From 2 in. pots, $1.50 per 100; $13.00 per 1000.
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LARGE-FLOWERING CANNA ROOTS, $1.00 per 100.
Cash with the order. Send for samples.
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Extra Strong Plants out of 2½-inch pots, $2.50 per 100. Cash with order.

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20,000 SMILAX

Transplanted, very strong, healthy plants, from flats, 0 cts per 100; $4.50 per 1000, by express.
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DOUBLE NASTURTIUM

A VERY striking, double flowering, trailing plant, especially adapted for vases, window boxes, hanging baskets, rustic boxes, rock work; any place where trailing plants can be used it is indispensable. A free and vigorous grower, and continues to bloom the entire summer; the flowers are 3 inches or more in diameter, and are perfectly double; of a bright yellow, with a rich crimson feathered blotch at the base of each petal. The lovely shade of yellow gives them a charm that few flowers possess, and for cut-flowers, where yellow is wanted, they have no equal.

Strong plants, from 2¼ in. pots, $4.00 per 100; $35.00 per 1000.

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Arrived in perfect condition the long-looked for
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Will begin shipping first week in May, price
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Special discounts to the Wholesale Trade.
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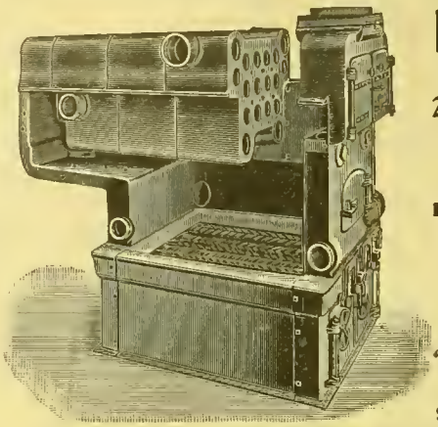

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For DECORATION DAY



Sago Leaves
FROM
6 to 48 Inches.





No. 200 Palm Plant.

		Each.
No. 204, 24 ins. high, 4 leaves		$0.18
" 200, 36 " " 6 "		.50
" 201, 40 " " 7 "		.60
" 201a, 40 " " 10 "		1.25
" 208, 9 feet " 16 "		4.50
" 209, 10 " " 24 "		5.00



Metal Wreaths from 25c. to $6.00 each.

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Crossings Between Marguerite × Remontant.

They are what we can recommend as truly summer flowering varieties. They begin to bloom in July and continue until frost sets in. Flowers medium size; growth very rapid. Can offer 10 varieties of them in as many different colors.

Vulcan, a pleasing shade of red; Mercury, brilliant scarlet; Saturn, deep crimson; Uranus, maroon; Neptune, magenta violet; Jupiter, beautiful shell pink; Estella, white ground, heavily striped pink; Minerva, rosy pink; Venus, white, few pink stripes; Rising Sun, yellow, striped pink.

Well-established plants, from 2½ in. pots, $5.00 per 100, By Express; or the set of 10 varieties, rooted cuttings, by mail, for 50 cents.

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The Best Pink Carnation. Well-established plants, from 2½ inch pots, $10.00 per 100. Rooted cuttings, $8.00 a 100; $1.00 a doz.

	Per 100
Asparagus Sprengeri .....2-inch pots,	$3.00
Alyssum, Little Gem.....3-inch "	3 00
Alyssum, Double Giant.....3-inch "	3 00
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Clematis, large flowering vars. 2-year-old plants, $3.00 a doz.	
Clematis Paniculata, strong, 4-inch pots, $1.50 per dozen.	
Feverfew, Little Gem .....3-inch "	3.00
Lobelia Emperor William....2½-inch pots,	$3.00
Lantana, Dwarf (Le Nain).....2½-inch "	3.00
Otahelte Orange, 4-inch pots, $1.50 a doz.	
Selaginella Denticulata.....2½-inch pots,	3.00
Ficus Repens .....2½-inch "	3.00
Verbenas, in bud and bloom..3-inch "	3.00
Asters, Semple's branching, transplanted	.50
Asters, Queen of the Market, white...	.5)
Phlox Drummondii, dwarf.....3-inch pots,	3.00
Chrysanthemums, best commercial varieties, from 2½ inch pots.....	2.00
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A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL.

Vol. XII. No. 19. NEW YORK, MAY 12, 1900. One Dollar Per Year.

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WE are very large handlers of these bulbs, and still have to offer a very fine stock of extra quality bulbs, A No. 1 stock. Stock is scarce.

75 cts. per 100; $6.00 per 1000, In full thousand lots.

CALADIUM ESCULENTUM

Large bulbs, 6-9 inch in circumference, **$3.00 per 100; $25.00 per 1000.**
Extra sized bulbs, 9-12 inch in circumference, **$6.00 per 100; $50.00 per 1000.**

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Strong, Dormant Roots.

An elegant assortment of varieties—Cactus or Decorative; Large-flowering or Show; Pompon or Small-flowered, and Single.

$8.00 per 100.

Tuberous-Rooted BEGONIAS

Single, in separate colors, white, pink, scarlet, etc., **$2.50 per 100.**
Double, in separate colors, yellow, scarlet, pink, etc., **$4.00 per 100.**

GLOXINIAS

Finest strain Hybrida Crassifolia Erecta Grandiflora, **$3.00 per 100.**
Separate colors, **$4.00 per 100.**

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Extra superfine mixed,
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MADEIRA VINE

$2.00 per 100.

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ASPARAGUS

Plumosus Nanus

Cut Strings, 8 feet long, 50 cts.

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ASPARAGUS PLUMOSUS NANUS!

Strong, transplanted plants, from seed bed, sown last January—2, 3 and more growths, well-rooted and ready for 2½ inch pots.

50 cts. per dozen; $3.00 per 100; $25.00 per 1000.

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TUBEROUS ROOTED BEGONIAS!

Large sized bulbs, 1 inch and over in diameter, single red, white, pink, yellow, separate colors, $2.00 per 100, $17.50 per 1000.

CALADIUM ESCULENTUM BULBS.

(Elephant's Ear).

All perfectly sound with centre shoots.

	Per doz.	100	1000
MONSTERS, VERY LARGE, 9 to 11 inches and over around...	$1.00	$5.00	$45.00
Large, 7 to 9 inches and over around.....	.60	3.00	25.00
First Size, 5 to 7 inches and over around.....	.40	2.25	20.00

TUBEROSES, Excelsior Pearl First size bulbs, 3 to 4 ins around, every one flowers, **50c.** per 100; **$3.00** per 1000, or barrel of 2000 bulbs, for **$5.00.**

EXTRA SIZE, 4 to 6 inches around, **75c.** per 100; **$5.75** per 1000.

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FINE, STRONG PLANTS, in 3 inch pots, 15 inches high above pots, all ready to be potted on. **Price, $2 per doz., $15 per 100.**

ARECA LUTESCENS SEED,

New crop now ready, **$4.50** per 1000; **$20.00** for 5000.

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Easter Has Passed—Your Houses Are Empty

Now is the time to send your orders for Rooted Cuttings of

NEW CARNATIONS

Now Ready.

G. H. CRANE THE BEST SCARLET CARNATION EVER INTRODUCED.

We have the finest and best selected stock of this Carnation in the country. We have 25,000 selected cuttings now ready, and can ship promptly on receipt of order.

Price, $6.00 per 100; $50.00 per 1000.

GENERAL MACEO THE BEST CRIMSON CARNATION.

Pure, Rich, Clear, Effective Color, the Best Keeper of all Crimsons. The Most Profuse Bloomer of all. Produces 25 per cent. More Flowers than any other Carnation we have ever grown. Sells Out Clean in Quantity. Is Liked by Everybody.

$6.00 per 100; $50.00 per 1000.

GENERAL GOMEZ Some growers who have not grown Maceo think this is the best of the two varieties.

Our experience shows Maceo to be the most profitable of the two. Gomez has a longer stem, is lighter in color and sells at 20 per cent. higher price than Maceo.

If you are in doubt as to which to plant, buy an equal quantity of each variety. That will enable you to determine which is best suited for your requirements.

15,000 Cuttings ready, $5.00 per 100; $40.00 per 1000.

Ethel Crocker A pure red-pink shade of Mrs. Jas. Dean, but darker, healthiest habit of all; fine stock now ready. $10.00 per 100; $75.00 per 1000.

Morning Glory (Dorner). The Daybreak Colored Scott, the best salmon pink on the market at present; a bright, refreshing shade; very free bloomer; always in flower; ready now. $6.00 per 100; $50.00 per 1000.

Olympia Largest variegated Carnation, only rival to Mrs. G. M. Bradt; strong plants, from soil and a few from pots, at $12.00 per 100.

Mrs. G. M. Bradt One of the largest and most sought after Carnations grown, producing blooms 3 to 4 in. in diameter; best seller of its class; strong stock, $5.00 per 100; $40.00 per 1000.

Mrs. James Dean Clear, delicate, chaste, silvery-pink, largely grown as a standard light pink.

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Remember, the Above Are Selected Cuttings Propagated from Selected Strains of Each Variety.

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Gishurt's Compound, 40c. per Box.

A dispossess warrant for Green Fly, Scale, Mealy Bug, Red Spider and other disagreeable tenants of the greenhouse.

Lemon Oil,
½ Pt. 25c. Pt. 40c. Qt. 75c.

A safe and gentle reminder to all insect life that their presence is not wanted.

Nikoteen, $1.50 Bottle. (Equal in strength to 200 lbs. stems)

A cheap, clean and effective suggestion to all plant pests to move.

Paragrene, 3 lbs., 40c.

Equal to PARIS GREEN. Send for our little BOOKLET about this.

Slug Shot, 10 lbs., 45c.

An argument that convinces all outdoor insects that life is not worth living.

Tobacco Dust, 100 lbs., $3.

The old reliable knock out for Rose lice, Cabbage worms, Turnip flees, etc.

Mention this paper. **WM. ELLIOTT & SONS, 54 and 56 Dey St., N. Y.**

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Choice Northern grown stock, in 2¾ bushel barrels, $2.50 per bbl. Early varieties: Henderson's Bovee, Early Rose, Burpee's Extra Early, Beauty of Hebron, Maule's Thoroughbred, New Queen, Norther, Sunrise, Puritan, Clarks, $1.00. Late sorts: Carman, No 3; Carman, No. 1; Sir Walter Raleigh, Money Maker; State of Maine.

GUELF'S SEED STORE, Brockport, N. Y.

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Before ordering any goods anywhere send in **your list of wants** for lowest **GUARANTEED** prices.

F. W. O. SCHMITZ, Jersey City, N. J.

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PALM SEEDS

FRESH ON HAND.

	100	1000	3000
Phœnix Tenuis	$0.75	$5.00	$13.50
" Pumila	1.00	8.00	22.50
Pandanus Utilis	1.25	10.00	27.50
Asparagus Plum. Nanus, true	1.25	9.00	26.50
" Sprengeri	.75	6.50	18.00

I. L. SCHILLER, 404 E. 34th Street, New York.

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TUBEROSES

THE PEARL.

A1 Bulbs, $5.50 per 1000; 5000 at $25.00.
Free on cars, New York City.
No. 2, $3.00 per 1000. 500 at 1000 rate.

HULSEBOSCH BROS., Englewood, N. J.

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Would it JAR you

When we offer you

Salvia Splendens, 4 inch, at $7.00 per 100
Caladium Esculentum, 5 inch and over, at $2.15 per 100; $20.00 per 1000.
Double Excelsior Pearl Tuberoses, 4 to 6 inch, at $6.25 per 1000.
Gladiolus, American Hybrid Mixed, strictly first size, 75 cts. per 100; $7.00 per 1000.
Violets, Princess of Wales, large clumps, $9 per 100.

D. LANDRETH & SONS, 1001 Market St., Phila.

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TUBEROSES Dwarf Double Pearl. First size, 4½ to 6 inch bulbs, $1.00 per 100; $7.00 per 1000.

PRIMULA SEED

ASTER Semple's Branching. In white pink, lavender, crimson and purple. Per ½ oz., 15c.; per oz., 75c.

Chinese Fringed, Alba Magnifica, Cœrulea Blue, Chiswick Red, Coccinea Superba, crimson Giant Rose, Magenta Queen, Magnum Bonum, Village Maid, striped, per 100 seed, 25c.

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Vaughan's Special Tall Mixture, contains all best varieties, including "Chameleon." Oz., 10 cts.; ¼ lb., 30 cts; lb., $1.00.

Vaughan's Special Dwarf Mixture, Oz., 10 cts.; ¼ lb 30 cts.; lb., $1.00.

Tropaeolum Lobbianum, Mixed, best trailing variety for Window boxes. Oz., 10 cts.; ¼ lb., 15 cts; lb., 50 cts.

CALADIUM ESCULENTUM Clean, sound bulbs. 5-7 in., $3.00; 7-9 in., $4.50; 9-12 in., $8.00. Lots of 250 at 10 per cent. lower.

CYCAS STEMS Weighing two to five pounds, just received, fine stock, per 100 lbs., $9 00; 300 lbs. for $24 00, at Chicago or New York.

New York—VAUGHAN'S SEED STORE—Chicago

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DUTCH BULBS

for delivery in the early Autumn.

HYACINTHS **TULIPS**
NARCISSUS **FREESIAS**
CROCUS **SPIRÆAS**

Etc., Etc.

All bulbs carefully grown and guaranteed first-class and true. No auction stuff or trash.

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GEORGE E. DICKINSON,
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Also **French Crab Apple Seed and Nursery and Fruit Stocks** of every description.

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SEEDS Primula chinensis fimbriata, Cineraria, Calceolaria, Cyclamen, Pansy, Germ. Giant, Benary and Cannell's strain, mixed or separate colors, trade pkt. 25c.; **Cryptomeria** and **Cupressus Lawsoniana**, fresh crop, 1000 seeds, $1. **Shellroad Greenhouse & Seed Company, Grange P. O., Baltimore, Md.**

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Suzuki & Iida,
IMPORTERS OF
Japanese Bulbs, Seeds and Plants,
Have removed from **No. 11 Broadway** to **No. 11 Barclay Street.**

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VICK'S SEEDS

FOR FLORISTS.
All Home-Grown Seeds.

	¼ Oz.	Oz.
Aster, Vick's Daybreak, Pink	$1.50	$4.00
" " Purity, White	2.00	6.00
" Branching Comet, White	2.50	8.00
" Vick's Branching, in colors, White, Pink, Crimson and Purple, each	.25	.75

Trade List, also Garden and Floral Guide, now ready. Send for it.

JAMES VICK'S SONS, Rochester, N.Y.

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California Saved Palm Seeds, Etc.

FRESH ON HAND.	100	1000	5000
Phœnix Canariensis		$0.50	$2.00
" Reclinata	$0.25	2 00	8.75
Asparagus Sprengeri	.65	4.50	20 00
Bruhea Glauca	per pound, 75c.		
" Edulis	" 75c.		
Chamærops Excelsa	" 40c.		

Coreopsis Lanceolata.....per pound, $1.25

Australian Salt Bush (Atriplex Semibaccatum), per pound, 75c.; 50 lb. lots, 60c.; 100 lb. lots or over, 50c.

Now Booking Orders for

CALLAS AND FREESIAS.

Send for Quotations.

GERMAIN FRUIT CO., Los Angeles, Cal.

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EASTER 1901 WILL BE EARLY.

Secure Bulbs Early.

ADVANCE LIST OF FORCING BULBS, SEASON 1900.

LIL. HARRISII (Bermuda Easter Lily).
We guarantee that the bulbs we will furnish will be fully up to size and in as healthy condition as is possible to obtain in Bermuda.

LIL. HARRISII (July-August delivery).	12	100	1000
5-7 inches circumference	$0.60	$4 50	$42 50
7-9 " "	1.50	10.00	90,00
9-11 " "	2.75	20.00	190.00
BERMUDA OXALIS (July-August delivery)			
Good sized bulbs	.10	.75	6.00
Extra large bulbs	.12	.85	7.50
FREESIA REFRACTA ALBA (July delivery) **Guaranteed all PURE WHITE**			
⅜-½ inch diameter	.10	.40	3 75
½-¾ inch diameter	.15	.75	6 00
Mammoth bulbs	.20	1.00	9.00
FREESIA HYBRIDA (July delivery), pure white-yellow throat.			
⅜-½ inch diameter	.10	.40	2.50
½-¾ " "	.12	.60	4.00
Mammoth	.15	.75	6.00
FREESIA LEICHTLINI (August-September delivery), yellow	.15	1.00	8.00
ROMAN HYACINTHS EARLY WHITE (August delivery).			
12-13 cm. circumference	.30	1.75	15.00
13-15 " "	.40	2 00	17.00
15 cm. up	.45	2.25	20.00
LILIUM CANDIDUM (August delivery).			
Extra fine bulbs	.60	4.50	40.00
CALLA ÆTHIOPICA (Aug-Sept. delivery).			
We have furnished these bulbs for the last fifteen years from our California fields, and our customers will find our stock exceptionally healthy and finely graded.	12	100	1000
3-5 inches circumference	$0.60	$4.00	$35.00
4 6 " "	.75	5.50	50 00
5-7 " "	1.00	7.50	70.00
Monster bulbs, 7 inch and up	1 50	10.00	

	12	100	1000
CALLA, RICHARDIA MACULATA ALBA (September delivery), fine bulbs	$0.60	$4.00	$30.00
BLACK CALLA (September delivery).			
Fine bulbs	.60	4.00	
Extra size	1.00	6.00	
NARCISSUS GRANDIFLORA. True, large flowered **Paper White, NARCISSUS Trumpet Major** (August delivery)	.20	1.00	8.00
	.25	1.25	11.00
DOUBLE VON SION DAFFODIL (August-September delivery).			
First size	.30	1.75	15.00
Extra double nosed, all double, at least two flowers to bulb	.35	2.00	19.00
CHINESE SACRED LILIES (September delivery), extra large	.75	5.00	45.00
LIL. LONGIFLORUM, JAPAN GROWN (sept.-Oct. delivery). We were the first house that supplied this bulb to the American market.			
5-7 inches circumference	.50	3.00	25.00
6-8 " "	.60	3.75	32 50
7-9 " "	.75	5.50	50.00
9-10 " "	1.25	8.50	80 00
JAPAN FERN BALLS (December delivery). This season has demonstrated that the demand was over 50 per cent. more than the supply of these great **Money Makers.** Order early to secure stock. We offer:	12	100	
6-7 inches diameter	$4.00	$30.00	
7-8 " "	5.00	35.00	
Extra size, 8-10 inches	8.00	60.00	
DUTCH HYACINTHS. Single, separate colors, equal quantities, 5-6 inches circumference; Double, separate colors, 5 inches up; Named Hyacinths (List later); **TULIPS,** single mixed; double mixed.	Prices on application.		

Mention paper. **OUR LARGE AND COMPLETE CATALOGUE WILL APPEAR SHORTLY.**

On all orders from this list which are received up to July 1st we allow a **SPECIAL EARLY ORDER DISCOUNT OF 5 PER CENT.**

SPECIAL NOTICE.—We will meet any prices on above goods made by responsible houses. Address all letters to **H. H. BERGER & CO., 47 Barclay St., New York.**

ESTABLISHED 1802

THORBURN'S SEEDS

FLORISTS ARE INVITED
to send for our quotations on
FORCING BULBS
ROMAN HYACINTHS
LILIUM HARRISII
LILIUM LONGIFLORUM
Etc., Etc.

We are large importers of High Class Bulbs

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

Mention the Florists' Exchange when writing.

SPECIAL BULB AND FLOWER SEED OFFER

SEEDS.

NASTURTIUM **Tom Thumb,** mixed. Per ¼ lb., 15c.; per lb., 40c.; per 100 lbs., $35.00.
Tall Mixed. Per ¼ lb., 15c.; per lb., 35c.; per 100 lbs., $30.00.

ASTER **Semple's True Branching,** mixed. Per ¼ oz., 20c.; per oz., 50c.; per lb., $5.00. White, Red and Shell Pink. Per ¼ oz., 20c; per oz., 75c.

Queen of the Market, the earliest of Asters. White, Crimson, Blue and Red, in separate colors. Per ¼ oz., 15c.; oz., 50c.

BULBS.

BEGONIAS **S'gle Tuberous Rooted** Pink, Yellow, Crimson and Yellow, in separate colors, 30c. per dozen; $2.00 per 100; $18.00 per 1000.

LILIUM **Auratum,** 7-9, in fine condition, $4 50 per 100.
Speciosum Rubrum, 7-9, $4 50 per 100.
Speciosum Album, 7-9, $5.75 per 100.

OXALIS **Summer Flowering,** mixed. 7c. per doz.; 25c. per 100; $1.50 a 1000.

TUBEROSES **No. 1, Dble. Pearl,** choice bulbs, 75c. per 100; $6 per 1000. No. 2, 35c. per 100; $2.50 per 1000.

Send For Our Quotations on Roman Hyacinths, Paper White Narcissus, etc.

JOHNSON & STOKES, Seedsmen, 217 and 219 Market St., PHILA., PA.

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Early Dwarf Danish Snowstorm, selected up end grown by the leading specialist of Denmark. Always uniform; fine large white heads, early. No better seed offered at any price.

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SEED TRADE REPORT

Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Chicago, Ill., President; ALBERT MCCULLOUGH, Cincinnati, First Vice-President; F. W. BOLGIANO, Washington, Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

New York.—F. W. O. Schmitz, accompanied by his wife and son, will leave on Wednesday next, May 16, for a trip to Europe. He expects to be gone until August next.

St. Paul.—The season now drawing to a close has been one of the most prosperous on record. Wholesale trade has been very active in all lines, while retail catalogue trade has shown a large increase over previous years. The demand for Bromus inermis has been phenomenal, and no grass has ever attained the prominence that this has in such a short time. That it is a godsend to the barren stretches in our great Northwest, where other grasses wither and die in the hot, dry Summer, is proven beyond a doubt. Essex rape as a forage plant for sheep has also attained great popularity, and the demand has more than quadrupled in two or three years. Field corn is now in great demand, and a shortage in selected seed is imminent, though later developments may unearth enough to go round.—VERITAS.

Import and Export Statistics.

The following exports and imports of plants, shrubs, seeds, etc., are for the month of March last. The dutiable imports of plants, shrubs and vines amount to $54,655, against $58,843 in the same month of last year. The free imports of seeds amounted in March, 1900, to $180,326, against $136,843, the value of these imports of March, 1899. The dutiable imports of seed amounted to $29,404 in March, 1900, against $40,008 in March of the previous year.

The exports of seeds to other countries amounted to $352,544, against $326,567 in the same month of 1899. The countries to which the United States exported seeds were the United Kingdom, which received shipments to the value of $79,627 in March, 1900, against $97,686 in the same month of 1899. Shipments to France amounted to $3,256 in March, 1900, against $745 in the same month last year. Germany imported seeds from the United States in March to the value of $110,390, against $94,592 in March, 1899. Other European countries received shipments to the value of $10,659 in March, 1900, against $13,564 in the corresponding month of 1899. An increase is noted in the exports of seeds this march to British North America, being $136,485, against $105,595 in March of last year. Exports of seeds to the Central American States and British Honduras amounted to $887 in March, 1900, an increase on the exports of last March, which amounted to $495. Mexico's imports of seeds from the United States amounted to $3,850 in March, 1900, compared with $3,156 a year ago.

European Notes.

The hot weather reported in last week's notes has brought our plants on in good style, and were it not for the fact that one day out of three reminds us of midwinter nearly all the lost time would be made up. The cool nights (9 degrees of frost last night) check the young seedlings and the pestiferous fly; the inevitable accompaniment of the northeasterly winds, which have so long prevailed, is clearing off the young plants of cabbage, brocoli, savoy, Brussels sprouts and cauliflower as fast as they come through the ground.

It is not at present too late to resow some of these, but it involves both labor and loss of valuable stock seed.

The onion plant for the coming season's crop is looking particularly healthy just now. Leek is not so promising as at this time last year, but a short supply of this article will do us no harm.

Of other important items that interest seedsmen on your side rutabagas are the most unsatisfactory at present.

Bulbs naturally occupy much of our time and thought just now; the most interesting are the new developments in narcissi, some of which are simply superb. While the headquarters of the daffodil cult are located in England, and the certificates awarded by the Narcissus Committee of the Royal Horticultural Society are the most highly prized, it must be admitted that some of the finest varieties are of Dutch origin and reflect the highest credit on the firms of Van Waveren, De Groot and De Graaf. An English lady, Miss Wilmott, gained two certificates and two awards with some very beautiful developments in the trumpet section, of which N. Countess Grey, a beautiful bicolor with a pale yellow trumpet, was the most conspicuous. The Rev. G. Engleheart was to the fore once more with his favorite Poeticus section, and in "Virgil" presented us with the most perfect flower that has yet been seen. Truly, Mr. Editor, of the making of new varieties there appears to be no end, but while the novelties present such points of excellence as have those exhibited this week they will be cordially welcomed by EUROPEAN SEEDS.

CALIFORNIAN SEEDS

Contract Prices for 1900 Harvest on Application.

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MICE-PROOF SEED CASES and DRAWERS.

Send for Catalogue.

HELLER & COMPANY, Montclair, N. J.

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50,000 ROSES FOR SALE.

The Following Varieties, from 2 inch Pots, $3.00 per 100.

Most of These Varieties, from 4 inch Pots, $10.00 per 100. Same at $8.00 per 100.

3500 Champion of the World,	400 Souv. de Wootton,	600 Yellow Soupert,
3 00 Snowflake,	350 Mme. Schwaller.	60) Clothilde Soupert
4000 The Bride,	450 Countess Riza du Parc,	800 Niphetos,
700 Meteor,	350 Duchess de Brabant,	150 Devoniensis,
6.0 Souv. du Pres. Carnot,	700 Pink Soupert,	250 Priscilla,
300 Etoile de Lyon,	350 George Peruet,	4000 Bridesmaid,
900 Catherine Mermet,	3000 Highland Mary,	250 Souv. Jeanne Cabaud,
500 Maman Cochet,	1200 Perle des Jardins,	250 Mrs. DeGraw,
1000 White La France,	2000 Hallowe'en,	500 Bon Silene,
300 La Princess Vera,	600 Marechal Niel,	300 Pink Daily,
500 Safrano,	250 The Queen,	6 0 Mad. Abel Chatenay,
100 Mme. F. Kruger,	1300 Marie Guillot,	350 Gen. Robt E. Lee,
1000 Climbing Meteor,	800 Henry M. Stanley,	200 Mme. Hoste.

The Following Varieties, from 2 inch Pots, $4.00 per 100:

2000 Hallowe'en, 800 Marechal Neil, 1400 White Maman Cochet, 175 Mad. Helen Cambier.

	Per 100		Per 100
Am. Beauty, grafted, 4 in. pots	$15.00	Kaiserin Augusta Victoria, 2 inch pots	$5.00
" " own roots, 3 in. pots	10 00	Climb. Kaiserin Aug. Vic., 3 in. pots	10.00
Kaiserin Augusta Victoria, 3 inch pots	10.00	" " " 2 in. pots	5.00

NEW EVERGREEN ROSES.

Evergreen Gem, Jersey Beauty, Gardenia, 4 inch pots.....$10.00 per 100

PHLOX—Very Fine, $4.00 per 100; Our Selection, $3.00 per 100.

Mme. P. Langier,	Queen,	Richard Wallace,
Terre Neuve,	Bouquet Fleure,	Alceste,
Hector,	Jean de Arc,	Epopee,
Jules Juoy,	Premier Minister,	White Swan.
J. H. Slocum,	Aurora Borealis,	

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Mention the Florists' Exchange when writing

Basal Rot of Narcissus.

A contributor to the Journal of Horticulture (Eng.), after personal observation, has come to the following conclusions regarding this trouble:

"The widespread disease of narcissus bulbs which has come to receive the name of 'basal rot' is caused by an active injurious fungus—viz., 'Penicilium'—specific in the sense that it has a special affinity for bulbous structures; that it occurs always, if not altogether, in cultivated soils infested with the fungus, and where there are present free ammoniacal or nitrogenous compounds; that all injurious agencies affecting bulbs, such as frost, late planting, half-ripened roots, cause the bulbs to fall an easier prey to the disease; that healthy culture consists in choosing a mellow soil, free from nitrogenous compounds, or in rendering the soil mellow by first growing on it a crop which will free it of nitrogen (and perhaps the best crop for this is grass); that the disease may be warded off by allowing the roots to lie only sufficiently long to cover the growing or active stage; that they require deep planting if there is fear of disease; that they require plant food in the way of phosphates at planting and potash later on; and with all these, as a further precaution they may be surrounded in the ground by some agent that is known to be free from Penicilium."

PORTLAND, ME.—Niles Nelson has the contract to plant the beds at Cape Cottage Park, as last year. This is the chief attraction for Portlanders, and Hiram Dyer, who has charge of the contract, has a splendidly grown lot of stock for the purpose. I noted Tropæolum Phebe in grand form. Six plants planted on a bed, and tied to posts, were one mass of flowers and foliage. It has been cut since before Easter and will be in fine shape for Memorial Day. It does well in a temperature of not less than 60 degrees at night. Mr. Dyer adopts the plan of planting his young roses in a bed from the sand, a good distance apart; then transplants when the old beds are ready. He cuts well around the plant and raises a good ball of earth. He says the plants go right along without any check.—W. M.

EVERGREENS.

Black Hills Spruce, 3-4 ft., transplanted, $0.50
" " " 4-6 ft., " 1 00

English Yew, Hemlock, Koster's Blue Spruce and other choice varieties in FINE SPECIMENS.

CLEMATIS PANICULATA, JACKMANNI, ETC., STANDARD HYDRANGEAS, STANDARD ROSES, PYRAMID BOX, RHODODENDRONS, AZALEAS.

HIRAM T. JONES,
Union County Nurseries, ELIZABETH, N. J.

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SURPLUS FOR SPRING 1900

Can yet do PEACHES and JAPAN PLUMS in limited quantity; also MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY, STRAWBERRIES from best leading varieties. Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.
ALEX. PULLEN, PROPRIETOR.

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STRAWBERRY and other SMALL FRUIT PLANTS

FRUIT TREES, Etc.

Strawberry plants, such as Michel's, Tennessee and Earliest at 40c. per 100, $1.50 per 1000; Wm. Belt, Gandy, Babach, Haverland, Kentucky, Glen Mary, Marshall, Lovett, Eclipse, Greenville, Champion Eoglsod, Pride of Cumberland, Carrie, Clyde, Ball's Favorite, Lady Thomson, Bismarck, Cumberland, Seaford and some others at 50c. per 100, $2.00 per 1000; Nick Ohmer, $1.00 per 100, $4.00 per 1000; Pres. Lincoln, $1.00 per 100.

Asparagus Roots, strong, 2 year, Conover's, Colossal, Palmetto and Barr's Mammoth, $1.00 per 100; $4.00 per 1000.

10,000 Kansas (black) Raspberry, 75c per 100; $4.00 per 1000; $7.00 per 2000. Other Raspberries, Blackberries, etc., Peach and other fruit trees. For price list address

CHAS. BLACK, Highstown, N. J.

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CELERY—White Plume

Now ready, strong plants, 3 inches, once cut back, 15cts. per 100 by mail; $1.00 per 1000 by express.

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CLEMATIS.

Large flowering, fine plants in best condition for immediate planting, of the following varieties: Jackmanni, purple; Henryi, white; Grand Duchess, large white; Ramona, lavender; General Grant, crimson; Marvel, snow white; Star of India, purple and red; Duchess, double white; Comtess Lovelace, double lavender; Princess, blue, white border; Mad. Andre, red; Gipsy, maroon; Duke of Norfolk, large blue; Reemelna, red; Belle of Woking, beautiful full double blush; new Jackmanni Superba, a grand variety, much superior to Jackmanni; Mme. Baron Veillard, pink; Geo'l Wolseley, purple and red. Strong-growing 2-year plants, 15c; $1.75 per doz.; $14.00 per 100. 25 at 100 rates.

CLEMATIS PANICULATA A fine lot in three sizes, $1.00, $1.50, $2.00 per dozen, very heavy plants.

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Mention the Florists' Exchange when writing.

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Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.

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OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogues on application. Send estimate of wants for prices.

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TREES Fruit Trees, Small Fruits, including grapes. Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, MT. HOPE NURSERIES, 61st year. **Rochester, N. Y.**

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AMERICAN HOLLY (Ilex Opaca)

This is one of America's most beautiful evergreens. Its foliage varies very little from that of the English Holly, and its rich clusters of scarlet berries make a good substitute for flowers in the Winter shrubbery. It is hardy in almost any locality. To insure safety in transplanting, the leaves should be removed from the plant at that time.

1 to 2 ft., transplanted, heavy.....$4.00 per 10; $30.00 per 100.
2 to 3 ft., " " ..... $6 50 " $50.00 "
3 to 4 ft., " " .....$9.00 "

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Desire to call the attention of Florists and Nurserymen to their 40 acres of HARDY ROSES, their complete assortment of FRUIT and ORNAMENTAL TREES and SHRUBS, and their 44 Greenhouses of ROSES, PALMS, FICUS, FERNS, ETC.

Correspondence and personal inspection solicited. Trade List and Catalogues free.

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Hardy Hybrids, at 60c. Catawbiense, Hardy, at 45c.

CRIMSON RAMBLER 2 yrs., at 15c. **DAHLIAS** Strong tubers, large collection, at 6c.

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Cabbage and Tomato Plants, best leading varieties, fine plants ready to plant out, $1 per 1000; $8 per 10,000.

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IRISH JUNIPER

HANDSOME LITTLE TREES.

Heavily rooted, and May 1st to 15th is just the time for moving them.

4 to 6 in. at.....$2.50 per 100
6 to 8 in. at..... 3 00 "
8 to 12 in. at..... 3 25 "
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And larger ones if you want them.

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OTTO KATZENSTEIN, MGR., PINEHURST, N. C.

Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda nitida, Fothergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Dionæa muscipula, Lupinus diffusus, Phlox subulata, Sarracenias, etc., etc. **Ask for Trade Lists.**

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EDWARD B. JACKSON,

Wholesale Florist.

Hardy Herbaceous Plants Only

In any quantity for the least money.

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Yucca Filamentosa

Fine, large plants, $10.00 per 100.

SAMUEL C. MOON, Morrisville, Pa.
BUCKS CO.

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CABBAGE. CABBAGE

10 acres of plants now ready, leading varieties, $1.00 per 1000; $8.50 per 10 000.

LETTUCE Boston Market, Tennis Ball, Curled Simpson, Grand Rapids, and other vars., 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

TOMATO Small plants for transplanting, in several varieties, 15 cts per 100; $1.00 per 1000.

PEPPER Small plants for transplanting, in several varieties, 25c. per 100; $2.00 per 1000. If by mail, add 10c. per 100.

EGG PLANTS New York Improved for transplanting, 25c. per 100, $2.00 per 1000.

CELERY Golden Self Blanching and White Plume, 15c. per 100, $1.00 per 1000

Other vegetable plants in season. Cash with order. If by mail, add 10c. per 100.

R. VINCENT, JR., & SON, White Marsh, Md.

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RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM
PÆONIES, BLEEDING HEART
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.

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Absolutely prevents all worms and insects from crawling up fruit and shade trees. For agency, territory and prices, address

EXPANSIVE TREE PROTECTOR CO.,
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Semple's Aster

Choicest Home-Grown Seed in white, shell-pink and lavender,
¼ oz., 25c.; oz., $1.00.
Catalogue on application, of leading flower and vegetable seeds for florists and market-gardeners.

W. C. BECKERT, Allegheny, Pa

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NEW SHELLBARK=HICKORY NUT, "Hornor's Special."

RARE EVERGREEN TREES
200,000 HANDSOME SHADE TREES,
and Meech's Prolific Quince, at greatly reduced prices. CATALOGUE FREE.

CHAS. B. HORNOR & SON, Mt. Holly, N. J.

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WILSON J. PETERS, Troy, O., President; D. S. LAKE, Shenandoah, Ia., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

Rocky Ford.—George Nidy, of Kalmazoo, Mich., has purchased the Loveland Nursery here.

What Cheer, Ia.—Zeigler Bros., proprietors of the Forest City Nursery, have leased 20 acres of land here for nursery purposes.

Rockwell, Ia.—W. L. Brockman, of South Dakota, will engage in the nursery business here. Mr. Brockman was formerly connected with the Forest Nursery.

At the recent meeting of the Executive Committee of the Maryland Horticultural Society it was stated that prospects in all parts of the state were never better for a big crop of the peach, plum, pear, blackberry, raspberry and strawberry.

St. Paul.—L. L. May & Co. have purchased a farm of 240 acres, 14 miles from this city, and are planting 60 acres to nursery stock and small fruits. J. E. Carrothers, of Sedgwick, Kansas, has been engaged as superintendent of the nursery, and with a large force of men is busily engaged planting. A general line of nursery stock adapted to the Northwest will be grown, especial attention being given to hardy apples, ornamental trees and shrubs, and small fruits. The farm will be known as the "Mayfield Nursery," and Mr. May and family will reside there during the Summer months. —VERITAS.

Rutherford, N. J.—Bobbink & Atkins have now got 20 acres of land under cultivation, and it is being rapidly filled with herbaceous and nursery stock. Evergreens are a specialty, and many choice specimens are being reserved to do duty at the coming exhibition to be held in conjunction with convention of the S. A. F. O. H. in New York, August next. In the greenhouses young stock of roses and dahlias predominate, though there are some large batches of palms of the cocos and kentia varieties chiefly. Rhododendrons, azaleas, buxus, bays and ficus have been imported very extensively this Spring, and the condition of all these plants upon arrival was all that could be desired, giving universal satisfaction to the firm's many customers throughout the country. This firm has secured the sole agency of Bard's adjustable sprinkler. This is an innovation in the sprinkler line. It can be attached to any hose pipe, and the pressure is so regulated that the finest soils, either in seed beds or pots, can be watered quickly without washing. As a syringe it also fills the bill perfectly, its shape giving it an advantage, in pressure, over existing forms.

The florists and gardeners of New Haven, Conn., are endeavoring to re-organize the New Haven County Horticultural Society, which has been in a dormant condition since 1881. The following committee has the matter in hand: Robert Veitch, Jr., chairman; Charles Munro, secretary; John H. Slocombe, William J. Rowe, Edward J. Morse, Robert Paton, William Gardner, David Kydd, John Doughty and William Ferrier.

C. H. JOOSTEN, SPECIAL, CANE PLANT STAKES, 6 to 7 feet, per 1000, $6.00; per 250, $1.75.
KENTIA BELMOREANA SEED, per 1000, $4.50; per 3500, $14.00.
CYCAS REVOLUTA STEMS, small size, 100 lbs., $8.00.
Catalogue of FALL BULBS and PLANTS on application.
85 DEY STREET, NEW YORK.
Mention the Florists' Exchange when writing.



(108) **Number of Carnations for a House.**—How many carnations, either Daybreak or Flora Hill, can I plant in a house 100 feet long, two benches 5½ feet wide, plants to be taken from 3-inch pots, and have been grown inside.—A SUBSCRIBER.

—We would plant the carnations six in a row, and have the rows 15 inches apart. This would make room on the benches mentioned for 960 plants.

(109) **Primulas.**—A. C., Cal.—Primula sinensis should be sown now for next Winter flowering. The seed will no doubt be perfectly ripe by this time and may be gathered and sown. Primula obconica may be had in flower next Winter by sowing at once, though for Christmas blooming we prefer to sow in the beginning of April. Sow the seed in shallow pans, or flats, using a soil in which plenty of leaf mould and sand has been incorporated. Water the soil a few hours before putting in the seed, and after the sowing is made cover the seeds very lightly, then place a piece of paper over the receptacle to exclude the light until the seeds germinate. When germination commences remove the paper, and should the surface appear to be dry give water; but give it very sparingly. A rubber bulb sprinkler is the best to use when watering seedlings. When the seedlings are large enough to handle transplant into pans, using the same kind of soil that was employed in the first place, and put the pans as near the glass as possible. When large enough to need potting put them into 3-inch pots and sift a little well-rotted manure into the potting soil; repot into larger-sized pots as required and with each successive potting the quantity of manure used in the soil should be increased.

(110) **Herbaceous calceolarias** are best sown in July or the beginning of August. Grown on in the ordinary way until November, when they should then have reached the 5-inch pot stage. By the first week in November they should be placed on a cool bench or shelf, where the temperature is about 45 degrees, and allowed to become almost dormant, remaining in that condition until the month of January, when they should be potted into 7 or 8-inch pots and started into growth, though there must be no attempt at forcing them. A temperature of about 50 degrees will be ample. The soil for potting must be rich and very coarse, and plenty of drainage must be given them. As the sun gets powerful a slight shading should be applied to the glass, and as they begin to show flower weak liquid manure will also be a great help to them.

(111) **Trouble with Calceolaria hybrida.**—What is the matter with my Calceolaria hybrida. I sow in June and they do fine until about flowering time when the leaves begin to look bad. I pot them about three times, finishing in 6-inch pots, and keep them in a cool place with the glass shaded and do not overwater. I use leaf mould, loam and sand. Do I use too much drainage, or do they get pot bound? They make any amount of root. Or do I sow them too early. They are fine-looking plants by Christmas. I keep them comparatively clean from green fly. Are they kept too warm? About January I fire up a little for other things, and have only one greenhouse.—A. C.

—The seed was sown too early, and evidently they were kept growing right along instead of resting them through November and December. Then again, they were kept too warm in January, when trying to grow them along with other plants. Treat as recommended in the foregoing answer.

YOUNG ROSE PLANTS
BRIDES, BRIDESMAIDS and PERLES,
From 2¼, 3, 3½ and 4 in. pots.
JOHN PRITCHARD, Newtonville, Mass.
Mention the Florists' Exchange when writing.

ROSES
Extra Strong Stock, from 2¼ in. pots.
Splendid Assortment of Hardy Sorts.
Send for Price List.
JACKSON & PERKINS CO., Newark, New York.
Mention the Florists' Exchange when writing.

BRIDES AND 'MAIDS
2½ inch, ready for a 3 inch shift.
$3.00 a 100; $25.00 a 1000.
CASH WITH ORDER.
J. B. HEISS, The Exotic Nurseries, Dayton, Ohio.
Mention the Florists' Exchange when writing.

ROSES From 5 in. pots, 9c.
Fine, clean plants, Clothilde Soupert, Gen. Jacqueminot, La France, Malmaison, Coquette des Alps, Coquette des Blanches, etc.
LARGE FLOWERED CLEMATIS Finest Purple, White and Lavender sorts, extra strong, 3 year plants, at 33c.; fine, 2 year plants, from 5 in. pots, at 15c. Also some 1 year plants at moderate prices.
W. H. SALTER, Rochester, N. Y.
Mention the Florists' Exchange when writing.

Strong Plants.
BRIDES and BRIDESMAIDS
2½ in. pots, $3.00 per 100; $30.00 per 1000.
3 in. pots, $6.00 per 100; $50.00 per 1000.
3½ and 4 in. pots, $7.00 per 100; $60.00 per 1000.
EDW. J. TAYLOR, Southport, Conn.
Mention the Florists' Exchange when writing.

LIBERTY! LIBERTY!
Own Rooted Stock Only.
FOR MAY DELIVERY.
Price of plants for A 1 stock, out of 2½ inch pots, as follows:

12 plants	60 cts. each
25 plants	50 cts. each
50 plants	30 cts. each
100 plants	25 cts. each
1000 plants	20 cts. each

E. G. ASMUS, West Hoboken, N. J.
Mention the Florists' Exchange when writing.

SPECIAL NOTICE
The unprecedented demand for the new and beautiful
ROSE LIBERTY
Has made it necessary for us to announce all stock for March delivery has been sold and orders hereafter will be taken and filled in their order of receipt, until further notice. To be sure of any of this stock for April and May delivery it will be necessary to order early. One quarter of the stock is controlled by us and no one has authority to sell in the New England States except by our permission.
Prices are as follows: Best stock grown.
Own rooted Plants, 2½ in. pots.

12 plants	60	cts. each.
25 "	50	"
50 "	30	"
100 "	25	"
1000 "	20	"

Grafted Plants, 2½ in. pots.

12 plants	75	cts. each.
25 "	60	"
50 "	50	"
100 "	40	"
1000 "	35	"

EDMUND M. WOOD & CO., Natick, Mass.
Near BOSTON.
Mention the Florists' Exchange when writing.

IF YOU NEED ROSES
Send us your list for prices.
THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.

ROSES—50 Varieties
Send your list for prices.
GERANIUMS Well-established, in 2½ in. pots $3.00 per 100; $25.00 per 1000. La Favorite, Peach Blossom, Marg't de Layres, Gen. Grant. We have 25 other good varieties, mostly double. If you leave selection of kinds to us, $2.50 per 100; $20.00 per 1000.
Baby Primrose, 2½ in. in bloom, $3.00 per 100; $25.00 per 1000.
Asparagus Sprengeri, 2½ in., $3.50 per 100; $30.00 per 1000.
Double Petunias (mottled), 2½ in., $3.00 per 100.
Moonvine, 2½ inch, $3.00 per 100.
Fern N. Cordata Compacta, 2½ in., $4.00 per 100.
JOHN A. DOYLE CO., Springfield, Ohio.
Mention the Florists' Exchange when writing.

ROSE PLANTS
From 2½ inch pots.

Kaiserin,	- - Per 100,	$3.00
Perle,	- - "	3.00
Golden Gate,	- "	3.50

PETER REINBERG
51 Wabash Ave.,
CHICAGO, ILL.
Mention the Florists' Exchange when writing.

PHILADELPHIA ROSES KAISERNI
Strictly first-class stock, out of 2½ inch pots.
MYERS & SAMTMAN, Chestnut Hill, PHILA.
Mention the Florists' Exchange when writing.

60,000 WINTER FLOWERING ROSES
GRAFTED AND ON THEIR OWN ROOTS
SEND FOR PRICES
J. L DILLON, BLOOMSBURG PA.
Mention the Florists' Exchange when writing.

PERLE ROSES
2½ inch stock, $3.50 per 100; $30.00 per 1000.
A 1 STOCK. BEST IN MARKET.
WIETOR BROS., 51 WABASH AVENUE, CHICAGO.
Mention the Florists' Exchange when writing.

300,000 Fine 2½ in. ROSES 300,000
Following List, $2.25 per 100; $20.00 per 1000.

Marie Lambert	Triumphe Pernet Pere	Golden Rambler	Yellow Rambler
Purple China	Duchess de Brabant	White Rambler	Climbing White Pet
Safrano	Etoile de Lyon	Lady Warrender	Media
Mrs. De Graw	Princess de Sagan	Marquis de Vivienne	Marie Guillot
Marie Van Houtte	Empress of China	Louise de la Rive	La Pactole
Clothilde Soupert	Coquette de Lyon	Yellow Soupert	Mme. Elie Lambert
Christine de Noue	Maman Cochet	Tennessee Belle	Seven Sisters
Lucullus	White Maman Cochet	Agrippina	Marechal Niel
Andre Schwartz	Vera de Flora		R. M. Henriette

Following List, $2.75 per 100; $25.00 per 1000.

Climbing Bridesmaid	Bertha Clavel	Rainbow	Climbing M. Guillot
Comtesse Frigneuese	Duchess of Albany	Mme. F Kruger	Malmaison
Climbing Meteor	Bridesmaid	Meteor	Climbing Wootton
Hermoss	Climbing Malmaison	Universal Favorite	Princess Bonnie
		Crimson Rambler	

Following List, $3.00 per 100; $30.00 per 1000.

Wichuraiana	Sunset	Climbing Kaiserin	Perle
La France	White La France	Pierre Guillot	Souv. Wootton
Bon Silene	Kaiserin	Papa Gontier	Golden Gate
		President Carnot	

Following H. P. Roses, at $4.00 per 100.

General Jacqueminot	Anna De Diesbach	Alfred Rougemont	Coquette des Blanches
Captain Christy	Gloire Margottin	Gloire Bruxellea	Clio
Mme. Plantier	Magna Charta	Prince C. de Rohan	Paul Neyron
Marie Baumann	Coquette des Alpes		Louis Van Houtte

Also fine 3½ inch Roses, at $4.00; fine large H. P's, budded, from 6 inch pots, at $10.00 per 100, and full Miscellaneous Stock. Send for list.
TERMS: CASH WITH ORDER.
THE NATIONAL PLANT CO., Dayton, Ohio.
Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

SITUATION wanted, by German, young man, age 26, lately landed, 12 years' experience in Germany. Address O. A., care of Mr. Hepp, 6th St., between 6th and 7th Aves.

SITUATION wanted, by a competent man, to take charge of place, between ten and twenty thousand feet glass; best of reference. Address Emil Zwenger, 138 Colton St., Springfield, Mass.

GENTLEMEN wishing a good all-round grower, especially of roses, carnations, violets and chrysanthemums, and fruit and vegetables, either for sale, or private use, should write W. L. Palmer, Redbank, N. J.

POSITION wanted, as store salesman, or to travel part of time, by well-educated, middle-aged man, English, of good address; A1 florist, good knowledge of bulbs; strictly temperate and reliable. Address R. R., care Florists' Exchange.

HELP WANTED.

WANTED—A young man with some greenhouse experience; references; wages, $20.00 per month, with board. F. L. Hart, Flushing, L. I.

WANTED—An assistant for roses and carnations, married man preferred; wages, $10 per week; good recommendations required. John Reck, Bridgeport, Conn.

WANTED—A man of experience and good character to work in rose houses under foreman; wages, $40 per month. Sunnywoods, Chatham, New Jersey.

WANTED: A first-class florist, single or married; must understand growing of roses thoroughly. Apply with references and particulars, H., care of Henry F. Michell, 1018 Market St., Phila.

WANTED—A young man as assistant in commercial place, must have had some experience in greenhouse work; wages $15.00 per month and board to start with. Louis C. Pilat, Sing Sing, N. Y.

WANTED working foreman, thoroughly competent, steady and sober, must have good reference, no other need apply. Write us stating experience, etc., and salary wanted. Greene & Underhill, Watertown, N. Y.

TWO men wanted immediately; one understanding carnations, roses, violets, etc., wages $12 a week; one to do general greenhouse work, such as the care of palms, plants, bulbs and spring stock. R. S., care Florists' Exchange.

WANTED, foreman, one who thoroughly understands how to grow roses, carnations and 'mums; also a general line of bedding stock; first-class references required, good wages to a capable man. Crabb & Hunter, Grand Rapids, Mich.

WANTED—A smart young man, single, experienced in general greenhouse and garden work; must understand potting and propagating; wages from $15 to $25 per month and board; state references. Address R. T., care Florists' Exchange.

WANTED at once, an experienced man for a greenhouse, must be a good potter and propagator and grower of general greenhouse stock, palms, Ferns, carnations, etc. State experience and references from last place and wages. Address R. V., care Florists' Exchange.

WANTED a single man as gardener and florist on a commercial place. Must be a good propagator and understand the growing of general greenhouse stock. References required; permanent place to right man; wages $35.00 per month with board and lodging. Address Geo. C. Roeding, Prop., Fancher Creek Nurseries, Fresno, Cal.

WANTED AT ONCE, COMPETENT, experienced gardeners; references. Call or address, Service Bldg., Pan-American Exposition, Buffalo.

WANTED—PROPAGATOR, ONE WHO thoroughly understands summer propagation, first-class man only; apply with experience, recommendations and expectation. R. O., care Florists' Exchange.

MISCELLANEOUS WANTS.

WANTED—Fifty Lord or Lady Penzance Sweetbrier, own roots, from two or three-inch pots. J. M. Gasser, 101 Euclid Ave., Cleveland, Ohio.

WANTED 3000 ft. of 10x12 glass, double thick, state price. George I. Laird, 3014 Fulton St., Brooklyn, N. Y.

MISCELLANEOUS.

FOR SALE.—300 ft., second-hand, 2 inch pipe, and fittings; all nearly new. A bargain. W. C. Merritt, Box 124, Washingtonville, N. Y.

FOR SALE—3 locomotive pattern boilers; all the above are second-hand steam boilers, in good condition. Address R. F., care Florists' Exchange.

BRIEFS FOR BUSY FLORISTS.

CHRYSANTHEMUMS—By this time it will have been decided how much bench space is to be devoted to these for the coming season; and if the cuttings are not already in the sand they may be taken at any time. Although good flowers may be had from plants rooted much later than this date, if the cuttings are to be had it will be found much easier to root them now, and they will require less care through the hot weather if they are well established on the benches before it arrives. Do not allow the cuttings to stay in the sand after roots have formed, until the leaves become yellow. To do that gives a check to their growth from which, in many cases, it takes two weeks to recover. Pot them off as soon as rooted and keep them growing right along.

GERANIUMS—These will be growing rapidly now, and it will be necessary to go over them occasionally, spreading them out more, and picking off any leaves that have become yellow. Decoration Day is almost here, and the demand for the cheaper grades of flowering plants will undoubtedly be large. The geranium is by far the most popular of plants for this occasion, and no efforts should be spared to have them well in bloom and looking at their best for that day. Put three together in a 6 or 7-inch pot; they will out-sell any other plant. Separate colors may be used, or three of a kind can be put together. Some plants should be potted up in this manner now so as to be ready when wanted.

TUBEROUS BEGONIAS will need careful attention, as regards watering, as the leaves begin to develop. These plants must be watered only when they require it; to go over them once a day with the hose pipe watering them indiscriminately is the very worst treatment that can be given. Use a can and water them individually.

CANNAS should be put outside in a partially sheltered location so as to gradually harden them before time to plant them outright.

CALADIUMS that are intended for bedding will be better in the greenhouse for another week yet; and as they are now making fast growth water must be given them in liberal quantities—twice a day if necessary.

HALF HARDY ANNUALS of all kinds should be got outdoors at the first opportunity. The longer they stay under glass after being once established in the flats the more sickly and drawn they become.

VINCENNES, IND.—Messrs. J. A. and Adam Balmer have closed out their florist business here, and gone to the State of Washington, where they will engage in a similar industry.

PATERSON, N. J.—The Paterson Rose Co. has hired part of Joseph Towell's greenhouses here, and gone into raising roses and violets for cut flowers.

BUSINESS OPPORTUNITIES.

TO LET OR LEASE—Two greenhouses, 20x100, and one 10x75; potting house and land; Long Island, 20 minutes from city. For terms, address 124 E. 27th St., New York.

FOR SALE—The largest greenhouse in a city of 60,000; 12 houses all connected, suitably arranged for growing cut flowers; steam heat and in perfect order; elegant office and sale at home for all you can grow; land goes with the place. The right man can secure this place with a small amount down; possession June 15th; stock if desired. Address M. A. Maynard, Springfield, Mass.

FOR SALE—Two greenhouses, one 120x20, other 60x20, office front, double thick glass, hot beds and sash. Large spring stock now on hand. Town of 30,000 inhabitants within 6 miles; no opposition, as nearest greenhouse is 24 miles away; two acres of good land, houses in good condition, steam heat, all new last year, including new boiler; will give possession right away; other business out of town cause of selling. R. M., care of Florists' Exchange.

FOR SALE—240 ACRES OF LAND ON Isthmus of Tehauntepec, State of Vera Cruz, Mexico. For full particulars write Roland Hughes, 846 New York Life Building, Kansas City, Mo.



Chicago.—After the meeting on Friday night a few games were played, but the most interest was centered in a challenge game between John Degnan and Phil. Hauswirth—ten games for $1 per game. Eight of these were rolled with the subjoined result, leaving two more games to tell the story. As will be seen Johnny, so far, has 68 pins to the good. In the games Degnan beat in four, Hauswirth in three, with one a tie.

	1	2	3	4	5	6	7	8
Degnan	169	138	144	142	194	151	159	151
Hauswirth	125	177	130	127	143	172	155	151

Denver. — Following are the scores rolled May 5:

	1	2	3
Benson	133	136	125
Applegate	162	201	154
Lunday	118	150	114
Berry	152	143	149
Scott	214	180	193
			P. S.

New York.—On Monday night L. Hafner went over 200 twice; and there were others that did fairly well. Here are the scores:

	1	2	3	4
F. H. Traendly	188	141	130	118
A. S. Burns	116	128	123	116
L. Hafner	170	229	138	219
J. Thielman	169	186	157	163
A. Herrington	85	104	92	..
W. A Duckham	116	131	121	..
W. J. Stewart	107	126	172	164
T J. Lang	161	146	163	143

Next Monday being the meeting night of the Florists' Club bowling will take place in the afternoon.

Utica, N. Y.—On Saturday, May 5, eleven Syracuse florists came to Utica for the sole purpose of "doing up" the florist bowlers here, but, as the appended scores show, they were doomed to an inglorious defeat. They were met at the depot by a committee of florists and escorted to the greenhouses of Peter Crowe, where the prize-winning roses and Adiantum Bardii were viewed, and also a very satisfactory test of the Bard patented nozzle held. They were then escorted to Music Hall, where a dinner was served, a pleasant feature of which was the presence of the older members of the trade, Peter Crowe, William Mathews and C. F. Baker. After the dinner the bowling match was held. Syracuse did her best to win, going to the extra precaution of bringing along her Bishop and her Bard to sing her praise, their Camp-bell to give us warning, and even a Ham for our succor in ease of need, but amidst all their Smil(i)es they were not Fox(y) enough to win and got Dunn. This is the third game in the series, which now stands two to one in favor of Utica. A return match is talked of in the near future.

SYRACUSE.

	1	2	3	Total.
Dow	168	125	104	397
Smillie	121	102	149	372
Davis	121	101	114	336
Bard	118	102	102	322
Ham	94	110	99	3 3
Huller	104	112	110	326
Fox	100	108	99	3 7
Campbell	94	116	142	352
Terry	98	97	1 9	304
Dunn	98	116	112	326
Bishop	110	117	100	327
Total				3,672

UTICA.

	1	2	3	Total.
Baker	103	132	160	395
P. Crowe	117	108	86	311
C. Mathews	148	179	97	424
Rowlands	97	109	137	343
Kaufer	91	115	90	296
Hiltebrandt	138	114	102	354
Sprucer	105	127	108	340
Pfeiffer	126	150	106	382
W. Mathews	66	137	79	282
H. Mathews	99	106	136	341
Somers	119	109	105	333
Total				3,801

W. J. CROWE.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A PLOT 220x125 FEET, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 MERCER STREET, N. Y.

Chicago.

Market News.

The heavy receipts have let up in a measure, and a slightly better price is obtained for stock generally. There is, however, an abundant supply for all demand, and plenty left over for the street men.

Roses begin to show the effects of warmer weather, but except a few mildewed samples the flowers are yet in good selling shape. Long-stemmed Beauty are now sent in freely, and $3 is the top-notch, price per dozen, $1.50 to $2 being a more common figure. The best teas may still be quoted at $6, and from that down to $1 and less to clear.

Carnations are abundant; good reds go at $2; extras, $3; standards, $1 to $1.50; left-overs, by the thousand, $5 to $7.50.

A few gladioli are appearing, also the first run of pæonies—the old double red, from southern Illinois.

Club Meeting.

At the regular club meeting held May 4 some renewed interest was manifested. G. L. Grant acted as secretary pro-tem. Thomas Savage, Joliet, Ill., was elected a member. A committee of five, consisting of W. N. Rudd, A. McAdam, Peter Reinberg, Walter Retzer and J. C. Vaughan, was appointed to work up an interest in the coal question, to see if something cannot be done in obtaining reduced rates on coal by co-operative purchasing.

In the discussion and from other information obtained it was evident that considerable variation in prices was the rule last year, and difficulty often experienced in obtaining regular supplies, which condition it is thought might easily be improved if the growers will only aid the committee.

John Reardon showed a 6-inch pot of chrysanthemum Petit Ami, the plant being about a foot above the pot with 10 good blossoms fully opened. Mr. Reardon had designed the plant for pot purposes for next Fall show, but it seemed bound to flower in advance.

By resolution a question box is hereafter to form one of the features at each meeting.

The subject for next meeting, May 18, is "Bedding Plants;" W. L. Pallnsky will open the discussion. Walter Retzer will also prepare a paper on the "Arrangement and Planting of the Grounds of Suburban Residence Lots," of which he has made a study.

New Greenhouse Building.

Wietor Bros.' addition this year will be 16 houses, each 30x300 feet, representing an augmentation of something like four acres, or 200,000 feet of glass, to their immense plant. The houses are attached, furnished with iron supports and Garland gutter, and so arranged in the way of staging that 2 feet is gained in bench room for each house over the old style. The work is proceeding rapidly. Part of the structures will be ready by the end of the month. When finished five of the houses will be planted with American Beauty, five with Bride and Bridesmaid, and six with carnations. Speaking of carnations, the firm has 200,000 planted in the field, and expects to house no less than 125,000 the coming Fall.

Poehlmann Bros., of Morton Grove, will erect a range of three houses, each 20½x306 feet, detached, long span to the south, with two lean-tos 7½ feet wide, the same lengths, for propagating purposes. As an illustration that they are not tired of chrysanthemum growing they have 150,000 cuttings already in the beneh.

Around Town.

Walter Retzer is so far well content with the conditions of trade since he bought the Fuch's place. The retail business continues good. This firm had some of the decorations in connection with the Dewey festival, as did the Central Floral Co., Phil. Hauswirth, A. Lang, Schubert and others.

Jottings.

J. C. Vaughan gave a score of his lady clerks an outing on Sunday to Western Springs, where a bus was in waiting, and a country ride enjoyed.

J. F. Benthey was taken suddenly sick on Wednesday with appendicitis, but we learn he is getting along all right. His son Fred. attends to the business.

There is every evidence that the meeting in this city, June 5, of the American Park and Outdoor Art Association will be a notable affair.

Visitors: W. Hizer, Rockford, Ill.; Theodore Dorner, Lafayette; John Bertermann, Indianapolis; E. J. Markey, Fort Wayne, Ind.; Geo. H. Bancroft Cedar Falls; W. J. Westphal, Davenport Ia.

Ess.

Philadelphia.

The Market.

The cut flower market is even in a worse condition than last week; all kinds of flowers are a glut, and prices are at very low ebb. Roses being so plentiful and cheap makes it almost impossible to sell carnations and other flowers, and, to make matters still worse for the commission men in removing the surplus, the police have begun a crusade against the fakirs, ordering them off the streets and arresting them if seen a second time. This has created quite a boom with the Greeks who have showcases on the corners of principal streets, and who are now doing a rushing trade One fakir, alive to business, has been selling roses to a large restaurant, these flowers being given away to customers.

Pennock Bros. have had their window decorated with wistaria blooms this week, with some vases in the center filled with the feather hyacinth, Muscari comosum.

Among Growers.

Albert Knapper has now in bloom on his place, at Frankford, about 100 plants, in 3-inch pots, of edelweiss. Many people have gone out there this week to see this much-heard-of plant. This is probably the first lot of plants grown commercially; a few have been cultivated on private establishments in the past few years. Mr. Knapper's plants have been grown from seed obtained direct from Switzerland.

John Kuhn has met with great success with his new carnation Mrs. Bertram Lippincott. It has been flowering steadily since October. The house, 20x75 feet, has produced as many as 8,500 flowers in one month, the lowest cut in any month being over 2,000. The cut for April was 4,600, and the plants are still blooming freely, with the advantage over other pink varieties in that the flowers do not fade out pale with the now strong sun. His other new carnation, John Habermehl, is also blooming very freely and promises well. Like the former variety it is a continuous bloomer from Fall till Spring. Spring stock is now the chief object on this place, among which was noticed a fine lot of fuchsias in 5-inch pots.

Visitors in Town.

E. Howard Smith, Hazelton, Pa.; Geo. Leadley, Detroit; S. A. Anderson, Buffalo; P. L. Carbone, Boston; A. J. Newton, Norfolk, and A. B. Ellsworth, Allentown. DAVID RUST.

Denver.

Trade the past week has been only fair; two or three good days though helped to take off the over-supply. Bridesmaid and Bride leaning a little bit that way. Beauty sold well all week. Carnations are beginning to come in very fast, but as the quality keeps good, and by dropping the price somewhat, very few go to waste. Pæonies made their first appearance May 5, the Park Foral Co. showing a few very nice grown plants in pots with a dozen flowers on each. The first consignment of cut flowers from Texas reached here this morning. They were the common old red ones and not very good, but as they were pæonies, and first of the season, sold fast.

Seen since Easter—Alatania with three good leaves, a yellow pot and tied up near the leaf on one of the stems with pink ribbon. Now, if the poor plants could only talk, especially the azalea, it would be heard to say, in recommendation to some crepe paper firm, "Before using my price was $2, but since using one box of your 4x crepe paper, and one bolt of No. 16 ribbon, my price is $5."

DENVER.

DOUBLE FRINGED PETUNIAS,
2 inch, per 100, $2.00.

Geraniums, mixed, strong, 2 in.....per 100, $2 50
Humulus Variegata, (Japan Hop) 2 in., " 2 00
Cobæa Scandens, 2 in..... " 2.00
Selaginella Denticulata, 2 in..... " 1 50

E. I. RAWLINGS, - Quakerstown, Pa.
Mention the Florists' Exchange when writing.

WIRE
ROSE STAKES
H. F. LITTLEFIELD, Worcester, Mass.
Mention the Florists' Exchange when writing.

Firms Who Are Building.

LEWISTON, ME.—Ernest Saunders is building two new greenhouses.

BROCKTON, MASS.—Sidney Littlefield is adding a 100-foot extension to his greenhouse.

PHILLIPSBURG, N. J.—James L. Lomerson will build another carnation house through the Summer.

GLOUCESTER, MASS.—Fred. L. Barsington will erect an additional house, 70 feet long, for carnations.

HYDE PARK, MASS.—James F. Farquhar is making some additions and improvements to his greenhouses on Poplar street.

ROCHESTER, N. Y.—C. Schomburg & Co. are putting up a display house, 18x50 feet, at their place on Mount Hope avenue.

Daisies (Perennis, fl. pl.) Fine large clumps, in bud and bloom, $1 per 100; $8 per 1000. Smaller plants, ready to bloom, 40c. per 100; $2.50 per 1000.
J. C. SCHMIDT, Bristol, Pa.
Mention the Florists' Exchange when writing.

DAHLIAS 250 varieties, named $4.00 per 100; mixed, unnamed, $2.00 per 100.
RUDBECKIA, Golden Glow, fine roots, $2.00 per 100; $17.50 per 1000.
L. D. ROBINSON, - Springfield, Mass.
Mention the Florists' Exchange when writing.

MME. SALLEROI GERANIUMS, 2½ in., $2.00 per 100. **Carnations,** summer bloom, 3 in., $3 50 per 100. **Nasturtiums,** strong, 2½ in., tall variety, $2.00 per 100. **German** or **Parlor Ivy,** extra strong, 3 in., $2.50 per 100. **Sweet Alyssum,** in bloom, 2½ in., $2 per 100. **Tomato,** Stone and Paragon, strong plants, 4 to 6 in. long, 75c. per 100; $5.00 per 1000. **Ageratum** Princess Pauline and the white variety, 2½ in. pots in bloom, $2.50 per 100. RICHARD INSALL, West Moorestown, N. J., near Philadelphia.
Mention the Florists' Exchange when writing.

ROSES.
Well established plants, from 3 inch pots, average 6 inches high.

	Per 100.	Per 1000.
Bride	$6 00	$50 00
Bridesmaid	6 00	50 00
Perle	6 00	50 00
Meteor	6 00	50 00
Morgan	8 00	

W. T. & F. P. BUTZ, New Castle, Pa.
Mention the Florists' Exchange when writing.

CARNATIONS
From 2½ in. pots and soil.
Maceo and Crane, $5.00 per 100. White Cloud, Mrs. Bradt and Gomez, $4.00 per 100.
VINCAS VAR, 4 in., 3 in. and 2½ in., $6.00, $4.00 and $2.50 per 100.
GERANIUMS, 2½ in., S. A. Nutt, B. Poitevine, Riecard, Grant and La Favorite, ready for 4 in., $3.50 per 100; 4 in., $6 00 per 100.
CASH WITH ORDER, PLEASE.
A. NELSON, Notch Road, Paterson, N. J.
Mention the Florists' Exchange when writing.

BEDDING PLANTS—First-class Stock.
Candytuft, 2 in. pots, $3.00 per 100. **Giant Dble. Mixed Wallflower,** 3 in. pots, $4.00 per 100. **Petunias,** in bloom, mixed, 2½ in. pots, $3 50 per 100. **Stock,** white, crimson, 2½ in. pots, $3.00 per 100. **Sweet William,** fine, 2 in. pots; **Dahlias,** single, mixed, 2 in. pots; **Lobella.** Crystal Palace and Speciosa, 2 in. pots; **Asters,** Queen of the Market, 2 in. pots; **Asters,** Semple's Branching, 2 in. pots, $3.00 per 100; **Asters,** from flats, same size, $2.00 per 100. 25 at 100 rates. **Tomatoes, Lettuce** and **Cabbage,** 50 cts. per 100; $1.00 per 1000. Cash with order.
FELIX BRIDGER, Westfield, N. J.
Mention the Florists' Exchange when writing.

ASPIDISTRA Nice pot plants, 8 to 10 leaves, 5 cents per leaf.
Vinca var., 3 inch, $3.00 per 100.
Heliotropes, 2½ inch, fine, $2 00 per 100.
Apple or **Rose Geranium,** strong, for 4 inch, $3.00 per 100.
Sinerted Cannas, $3.00 per 100.
Echeveria Secunda Glauca, young stock to give good plants till spring, 50c. per 100. Cash, please.
WILLIAM STUPPE, Hollis, L.I., N.Y.
Mention the Florists' Exchange when writing.

300,000 VERBENAS
60 finest named varieties, including our new **MAMMOTH WHITE MRS. McKINLEY.** The finest white Verbena grown.
Perfectly healthy. Free from rust.
Rooted cuttings, 60 cts. per 100; $5.00 per 1000.
Plants, $2 50 per 100; $20.00 per 1000.
Our list is the choice from millions of seedlings.
Send for Circular.
J. L. DILLON, Bloomsburg, Pa
Mention the Florists' Exchange when writing.

8,000 ROSES HEALTHY STOCK.
8,000 nice plants of Brides and Bridesmaids, from 3 and 3½ inch pots, at $4.00 per 100, or $35 00 per 1000; 500 at 1000 rates.
Full line of BEDDING PLANTS cheap. Will exchange for Dbl. Petunias, Sage, Begonias, Chrysanthemums, or Carnations, rooted. W. T. HILLBORN, Newtown, Pa.
Mention the Florists' Exchange when writing.

Daisies, Violets and Baby Primrose
L. H. Campbell, California, rooted runners, 6 c. per 100; $5.00 per 1000. Princess of Wales, the best single Violet, and Swanley Whits, 75c. per 100; $7.00 per 1000.
Baby Primrose, by division, 3 c. per doz., by mail; per 100, $2.00. CASH WITH ORDER.
P. M. De Witt, Bridgewater, Bucks Co., Pa.
Formerly of Torresdale, Pa.
Make Money Orders payable at Eddington, Pa.
Mention the Florists' Exchange when writing.

VINCA VARIEGATA
A No 1 plants, long trailers, and bushy, in 4 inch pots, $15.00 per 100.
ABUTILON VAR. Vine, fine plants, 4 inch pots, ready for vases, $15.00 per 100. Cash with order, please.
MRS. MORRIS R. JONES, Rome, N. Y.
Mention the Florists' Exchange when writing.

50,000 Rooted Cuttings
Heliotrope, 5 varieties, per 100.....50c.
Coleus, best red and yellow, per 100, 50c.; per 1000, $5.00.
MOON VINES White and blue, per 100, $1.00; per 1000, $10.00.
All of above fresh, clean and healthy and well rooted.
J. E. JACKSON, Calnesville, Ga.
Mention the Florists' Exchange when writing.

200,000 Aster Plants
Strong, stocky plants, ready to plant out, Queen of the Market, Truffaut's Perfection, Comet, Victoria, and Semple's Branching, Semple's in mixed and separate colors; seed saved from the largest and most double flowers only, 50c. per 100, by mail, $1.50 per 500; $2.50 per 1000, by express.
GUSTAV PITZONKA, Bristol, Pa.
Mention the Florists' Exchange when writing.

SEASONABLE BEDDING PLANTS
GERANIUMS, A. Riecard, Mme. Jaulin, double and single Gen. Grant, and all other leading varieties, in 4 inch pots.
AGERATUM, Princess Pauline, in 4 inch pots.
FUCHSIA, strong plants in bloom, in 4 inch pots.
PANSIES, superior strains from cold frames.
COLEUS, in varieties.
Prices on application.
J. H. FIESSER, 415 Summit Avenue, West Hoboken, N. J.
Mention the Florists' Exchange when writing.

CHEAP FOR CASH.
CYCLAMEN GIGANTEUM
Strong, healthy plants, from 2 inch pots, consisting of the following varieties: **ATRORUBRUM, MONT BLANC, MAGNIFICA** and **ROSEA,** $4 00 per 100; $35.00 per 1000.
WM. SCHLATTER & SON,
408 Main Street, Springfield, Mass.
Mention the Florists' Exchange when writing.

GERANIUMS 3½ and 4 in. pots, $5.00 and $6 00 per 100. Beaute Poitevine, Mme. Buchner, Prof. Poirault, La Favorite, Mme. Jaulin, S. A. Nutt and Gloire de France. Mixed Geraniums, 3, 3½ and 4 in. pots, $3.00, $4.00 and $5.00 per 100.
Ivy Geraniums, mixed in bud, 3½ and 4 in., $5.00 and $6 00 per 100.
Pansies, second to none, $1.50 per 100.
Victoria Forget-me-nots, ready for 4 in. pots, $1.00 per 100.
Asters, in pots, $1 00 per 100. Victoria and Truffauts, mixed; Semple's, 5 colors; Giant Comet, 4 colors.
J. R. SHURTLEFF, Jr., Revere, Mass.
Mention the Florists' Exchange when writing.

GERANIUMS in good varieties, in bud and bloom, 3½ in. pots, per 100, $5. Ivy Geraniums, in good varieties, in bud and bloom, 3½ in. pots, per 100, $5 00. MME. SALLEROI, 2½ in. pots, per 100, $2.00.
Fuchsia, 4 in. pots, per 100, $12.00. **Heliotrope,** 2 varieties, 2½ in. pots, per 100, $2.50. **Salvia,** 2½ in. pots, per 100, $2 50. **Ageratum,** Cope's Pet, 2½ in. pots, per 100, $2.50. **Lobelia,** 2½ in pots, per 100, $2.50. **Single Petunias** 2½ in. pots, per 100, $2.50. **Periwinkle,** 3 in. pots, 100, $3. Cash with order.
WM. J. CHINNICK, Trenton, N. J.
Mention the Florists' Exchange when writing.

GERANIUMS
Dbl. Grant, de Tasepede, Gloire de France, Ball of Snow and other equally good varieties, from 2½ inch pots, $2.50 per 100; from 4 in. pots, $8.00 per 100; one year old stock plants, $12.00 per 100.
Cannas, strong plants from 4½ in pots, $8.00 per 100.
English Ivies, bushy, 5-6 ft. high, $20.00 per 100.
Branching Aster Seed, mixed, 50c. per oz.
JOHN RECK, Bridgeport, Conn.
Mention the Florists' Exchange when writing.

Geraniums and Coleus
GERANIUMS, named, 15 vars., 2½ inch, $3.25 per 100; $30.00 per 100.
COLEUS, R. C., strong, 10 vars. .90c. per 100; $7.00 per 1000. CASH WITH ORDER.
For Special Kinds and Prices address
McBRIDE'S NURSERY, Alplaus, N. Y.
E. FOUNTAIN, Mgr.
Mention the Florists' Exchange when writing.

COLEUS C. Verschaffeltii, G. Bedder and Queen, $6.00. Select bright fancy, $5.00 a 1000.
New large-leaved vars., grand colors, $1.
Corona, clear scarlet center, broad gold border, fine, 75 cts. a 100
Terms Cash. Extra plants to pay part expressage.
DANIEL K. HERR, Lancaster, Pa.
Mention the Florists' Exchange when writing.

Seedlings. Grown from the best seed that money can buy Fine plants. **Phlox Drummondi** Nana Compacta, 30c. per 100; $2 50 per 1000. **Candytuft,** Empress, 25c. per 100; $2.00 per 1000. **Sweet Alyssum,** Little Gem, 25c per 100; $2 00 per 1000 **Stocks,** Cut and Come Again, white, 30c. per 100; $2.50 per 1000. **Cosmos,** Early Dawn, 35c. per 100; $3 00 per 1000. **Asters,** the best varieties, 35c. per 100; $2 50 per 1000.
J. C. SCHMIDT, Bristol, Pa.
Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS
Following from 2½ inch and soil, $2.00 per 100; $18.00 per 1000: Bergmann, Lady Fitzwygram, Glory of Pacific, M. Henderson, Leger, Boonaffon, White Monarch, Yanoma, Mrs. O. P. Bassett, Maud Dean, Robinson, Ivory, Belle of Castlewood
CASH WITH ORDER, PLEASE.
A. NELSON, Notch Road, Paterson, N. J.
Mention the Florists' Exchange when writing.

ETHEL CROCKER
30,000 plants, from soil, for April and May delivery. Crocker has filled every claim made for it and is worth a trial by every grower who wants the best pink carnation in the market.
25 for $2.50; 100 for $10.00; 250 for $18.75; 1000 for $75 00.

PANSIES FREYA AND FAIRY QUEEN.
Two good bedding novelties. Transplanted seedlings at **$1.00 per 100.** A few of my regular strain. Write for prices.

DWARF PETUNIA.
Adonis, carmine, with pure white throat, And **Snowball,** a pure white. They are always in bloom and a good plant for retail.
25 of each for $1.00, or $2.00 per 100, from 2 inch pots.
ALBERT M. HERR, Lancaster, Pa.
Mention the Florists' Exchange when writing.

Unequaled Varieties **VERBENAS** Vigorous Stock.

IN BUD AND BLOOM.	100	1000
Best Mammoths, strong pot plants...	$3.00	$25.00
Older " strong pot plants...	2.50	20.00

ROSES.
Bridesmaid, Bon Silene, Catherine Mermet, Duchess of Albany, Golden Gate, Maid of Honor, Perle des Jardins, Sunset, The Bride, from 2½ in. pots, $4.00 per 100, $35.00 per 1000; from 3 in. pots, $7.00 per 100; $60.00 per 1000.

FROM 2¼ INCH POTS **CARNATIONS** STRONG PLANTS

Mrs. Thos. W. Lawson	$15.00 per 100.
The Marquis	12.00 per 100.
American Gen. Maceo, Gen. Gomez,	$6.00 a 100.
White Cloud, Buttercup	$5.00 per 100.
New York	3.50 per 100.
Flora Hill, John's Scarlet, Sea Shell, Thos. Cartledge, Victor	$3.00 per 100.
Lizzie McGowan, Wm. Scott, Portia,	$2.00 per 100.

CHRYSANTHEMUMS.
For Varieties and Prices see issue of April 28. Rooted Cuttings all sold.

MISCELLANEOUS PLANTS.
Ready for Immediate Sales.

	Per 100
Anthemis, Dbl. Golden Marguerite, 2½ in. pots,	$3.00
Alternanthera, red and yellow, 2½ in. pots..	3.00
Ageratum, blue and white, 2½ in. pots.....	5 00
" Princess Pauline, 2½ in. pots.....	4.00
Cuphea, Platecentra, 2½ in. pots.....	5 00
Caraatiocs, in bud and bloom, 4 in. pots.....	12.00
Fuchsias, double and single, 2½ in. pots.....	3.00
" " " " 3½ in. pots.....	8.00
Geraniums, double and single, 3½ in. pots....	7.00
" " " " 3 in. pots.....	5.00
Heliotrope, light and dark, 3½ in. pots.....	5.00
" " 2½ in. pots.....	3.00
Ivy, German, 2½ in. pots.....	3.00
Moon Flower, white, 2½ in. pots.....	4.00
Petunia, single, 2½ in. pots.....	3.00
Pansies, transplanted.....	2.50
Salvias, Splendens and Bedman, 2½ in. pots...	3.00
" " " " 3½ in. pots...	5.00
Violets, M. Louise, $25.00 per 1000; 2½ in. pots..	3.00

TRADE LIST ON APPLICATION.
WOOD BROS., Fishkill, N. Y.
Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Mrs. O. P. Bassett, L. Boehmer, Silver Cloud, Frank Hardy, Mrs. H. Robinson, A. T. Ewing, Mrs. Perrin, Marion Henderson, Mrs. H. Weeks, Golden Wedding, Simplicity, Glory of the Pacific, Eda Prass, Queen, Dorothy Toler, Yellow Good Gracious, M. Dean, Perle of Lyonnaise, H. C. Avery and Mrs. W. K. Vanderbilt, fine plants from 2½ in. pots, $2.00 per 100.

CARNATIONS E. A. Wood, A. C. Fitzpatrick, Thos. Carticdge, Portia, Rose Queen, Wm. Scott Armazinda and Eldorado, fine plants from 2 in. pots, $2.00 per 100.

GERANIUMS A good assortment of Double and Single from 2 in. pots, $2.00 per 100. Extras added to help pay expressage.

FAIRVEIW FLORAL CO., Beatty, Ohio.

Mention the Florists' Exchange when writing.

Wm. Scott Carnation

Out of soil, $1 per 100, or $10 per 1000.

Melba, out of soil, $1 per 100, or $10 per 1000

Victor, $1 per 100, or $9 per 1000.

Flora Hill, $1.25 per 100, or $10 per 1000.

General Maceo, $4 per 100, or $35 per 1000.

Mayor Pingree, $1 per 100, or $9 per 1000.

Cash with order.

CARL E. TAUBE, Trenton, N. J.

MERCER FLORAL CO.

Mention the Florists' Exchange when writing.

Carnation Cuttings.

	Per 100	Per 1000
McGowan	$0.75	$5.00
Pingree	.75	5.00
Argyle	1.00	7.50
Scott	1.00	7.50
Triumph	1.25	10.00
Flora Hill	1.25	10.00
Armazindy	1.25	10.00
Mrs. Bradt	3.00	25.00

ROSE PLANTS.

From 2½ inch Pots.

	Per 100	Per 1000
Meteor	$3.00	$25.00
Bridesmaid	3.00	25.00
Bride	3.00	25.00
La France	3.50	30.00

American Beauty Rose Bushes.

	Per 100	Per 1000
From benches	$2.50	$20.00

GEORGE REINBERG,

51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

LATE PRICES FOR

Carnation Cuttings.

Most of these cuttings are ready for planting out into the field, and prices quoted are for the purpose of cleaning up the stock quickly and are for cash with the order only. Money will be returned the day received if varieties wanted are all sold.

GOMEZ, AMERICA } $4.00 per 100

IRIS MILLER, an immense large salmon, brought $1.50 per dozen for Easter.

ELSIE FERGUSON, a deep, burnt-orange salmon, very novel and effective.

LESLIE PAUL, a deep pink or red, the best of its color, and alone worth the price of the three.

All strong cuttings ready for planting out, at the low price of $5.00 for 100 of each of the three, $2.50 for 50 each of the three, or $2.00 per 100 for any one of the varieties.

PANSIES from cold frames, in bud and bloom, $1.50 per 100; $12.50 per 1000. Freya and Fairy Queen, two bedding novelties, $1.00 per 100.

PETUNIAS ADONIS, red; SNOWBALL, white; the two best dwarf varieties for bedding, from two inch pots, at $2.00 per 100; 25 of each for $1.00.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

Extra Strong Plants of

JOOST

FROM SOIL.

$15.00 and $20.00 per 1000, according to size.

Chicago Carnation Co., Joliet, Illinois.

Mention the Florists' Exchange when writing.

CARNATIONS

F. DORNER & SONS CO., LaFayette Ind.

Mention the Florists' Exchange when writing.

NEW CROP **WINTER-BLOOMING**

Carnation Seeds!

Hand Fertilized, 25c. per 100. Cash with order.

AMERICAN ROSE CO., Washington, D.C.

Mention the Florists' Exchange when writing.

Rooted Cuttings of New and Standard

CARNATIONS.

SEND FOR PRICE LIST.

WM. SWAYNE, Kennett Square, Penn.

Mention the Florists' Exchange when writing.

WM. MURPHY,

Wholesale Carnation Grower.

Sta. F., CINCINNATI, O.

Mention the Florists' Exchange when writing.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

From 2½ inch pots, $2.00 per 100.

Bergmann,	Modesto,	Bonnaffon,
Mrs. Robinson,	Shrimpton,	Merry Xmas.
Ivory,	Merry Monarch,	Mrs. C. P. Bassett,
Glory of Pacific,	Mayflower,	William Brook,
Phenomenal,	J. E. Lager,	Liberty,
Maud Dean,	Viviand-Morel,	G. W. Childs.

R. E. EDE, Coney Island Ave., Parkville, **Brooklyn, N. Y.**

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Bergmann, Whilldin, Modesto, Midge, Glory of Pacific, M. Henderson, Lager, Bonnaffon, Robinson, Niveus, M. Dean, Florence Pullmann, Merry Monarch, Childs, Phœbus, Erminalda, Shrimpton, Evangeline, Boehmer, Iora, E. Prass, Bigelow, Yanoma, F. Hardy, Merry Christmas, Queen, L. Canning, V. Morrell, Silver Cloud, White and Pink Ivory, Pitcher & Manda. 12 Pennsylvania and Philadelphia gratis with each order for 100 plants; from 2½ and 2 inch pots, $2.50 per 100; from soil, $2.00 per 100.

BABY PRIMROSES, 3 in., $4.00 per 100.

CYPERUS, 3 in., $3.00 per 100.

YELLOW PARIS DAISIES, in bud and bloom, 3 in., $3.00 per 100.

J. G. EISELE, 20th and Ontario Sts., Phila., Pa.

Mention the Florists' Exchange when writing.

IVORY 'MUMS

Fine stock, 2½ in. pots, $2.00 per 100; $17.50 per 1000.

BROWALLIA GIGANTEA

Finest blue bedding plants 2½ in. pots, $3.00 per 100; $25.00 per 1000.

SET OF BEST 1899 **GERANIUM NOVELTIES**

Including one **America,** $2.00, worth $4.00.

Cash, please.

HENRY EICHHOLZ, Florist, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

GREEN AND GOLD

MRS. SHEPHERD'S NEW FANCY PERENNIAL CHRYSANTHEMUM.

Entirely New and Distinct. A Lovely Variety, with **Foliage Beautifully Variegated Clear Yellow and Light Green, the Yellow Predominating.** Handsome without flowers, but when adorned with its Large, Double, Creamy White, Fluffy Blossoms it is **Beautiful Beyond Description.** It is a Vigorous Grower. **Comes True.** Does equally well bedded out or under glass. **A GRAND NOVELTY.**

Having a fine stock I offer this rare plant at **20c. each; $2.00 per doz.; $10.00 per 100.**

A SPLENDID NOVELTY FOR CATALOGUES.

MRS. THEODOSIA B. SHEPHERD, Ventura-by-the-Sea, Cal.

Mention the Florists' Exchange when writing.

CARNATIONS FROM POTS

We have potted up the following varieties, in 2½ inch pots, for belated buyers. All are in first-class condition.

	100	1000		100	1000
ETHEL CROCKER	$10.00	$75.00	Mrs. Frances Joost	$4.00	$35.00
G. H. CRANE	5.00	45.00	GENERAL MACEO	4.00	35.00
White Cloud	4.00	35.00	GENERAL GOMEZ	3.00	25.00

All from pots, and you may order 250 assorted varieties at 1000 rate. Also other varieties. Write us.

ROBERT CRAIG & SON, MARKET AND 49TH STREETS, PHILADELPHIA PA.

Mention the Florists' Exchange when writing.

GENEVIEVE LORD

The Peerless New Pink Carnation.

In all of our long experience we have never had a Carnation produce as many first-class, high-grade blooms to the square foot as Genevieve Lord. It blooms early and the year round. Its color is just right; "beautiful," "lovely," "exquisite," "perfectly charming," are some of the adjectives used by some of our lady customers in describing it. With all its good productiveness, size is a leading feature, large enough to put it away up front. Its grand stem is perhaps its crowning feature. What is a flower without a stem? Genevieve Lord stands up straight twelve months in the year. When you think of all this, and a non-bursting calyx throws in for good measure, there is little left to be desired. We are pleased to announce that we can fill orders promptly after April 10th, but do not know how long we can promise this, as stock is going rapidly. To clinch matters and drive a good bargain, order at once.

Price, doz., $2.00; 100, $10.00; 1000, $75.00.

Can also furnish all of the big new ones at introducers' prices, as well as the best standard varieties.

CHRYSANTHEMUMS NEW and STANDARD Varieties. Send for Price List.

H. WEBER & SONS, OAKLAND, MD.

Mention the Florists' Exchange when writing.

NOTES BY THE WAY.

PORTSMOUTH, N. H.—Robert Capstick, grower for the A. C. Hutchinson Co., had a merry twinkle in his eye when he told me that Boston offered him $10 per hundred for his Daybreak at Easter; but the majority went to Uncle Sam's gallant vets at the Navy Yard. I do not doubt it, for such fine stock was very scarce. He hit it right with lilies and gives the craft the benefit of his experience. On receipt the bulbs were potted up, placed in the house, kept three weeks with but one watering, until they had started; then kept growing in a temperature of not above 75 degrees day, and 60 degrees at night. The percentage of loss was very small.

A. G. HOOD, OF MANCHESTER, is positive lilies should be kept warm, as he experienced a loss of 50 per cent. in a batch that was placed outside and less than 10 per cent. from a lot taken from the same case, but which was placed in heat from the time the bulbs were potted up.

C. H. KAULBACH, of Haverhill, was not so fortunate, but now that the subject is being so well ventillated he hopes to be as successful as his fellow craftsmen. He was told the other day, in all seriousness, by a bulb agent that the cause of the lily disease has been traced to the planting of onions in alternate rows, the pungent odor being so strong as to overpower the delicate flower and retard its development. In Scott's Manual mention is made that the tips of the foliage are browned by the use of tobacco. No tobacco was used, yet the tips were very auburn.

BATH, ME.—J. H. Ramsey & Co. were among the few fortunates who had an abundance of carnations at Easter, when $1 per dozen was willingly paid by the best people, although such a price was unheard of a few years since. Speaking of the improvement in this direction Paul M. Olm, the skillful grower here, finds it necessary to grow two grades where ordinary stock formerly satisfied. Additional space will be devoted to the new varieties, which will have to be away above par to outshine Hector, Daybreak and McGowan as grown here. A grand lot of sweet peas, planted on the carnation benches, was in fine crop at Easter. The varieties grown were Blanche Ferry (early and ordinary), Emily Henderson, Catharine Tracy and Her Majesty. Funeral work has been exceptionally heavy. One piece recently made for a deceased sea captain was a large capstan—something never before seen, and voted a perfect design in every way.

Mr. Davison reports a satisfactory increase in the nursery branch. The demand for trees and shrubs seems to be more than usual, in keeping with the general advance.

MANCHESTER, N. H.—A. G. Hood is building an extensive range of glass, which will be under the care of W. Sutherland, formerly grower for Fred. Moses, of Bucksport. Theo. Egger, until recently with Mr. Hood, is now with F. E. Palmer, Brookline.

NASHUA, N. H.—Aug. Gaedeke & Co. are rebuilding the entire range of houses on Judge Hoitt's old place, and intend to have an up-to-date plant. G. E. Buxton is also adding some glass, remodelling the office, adding a show house, and making improvements all around, keeping in touch with prosperity which has smiled generously upon him and is reflected in the choice stock he offers to an appreciative public. W. M.

CHRYSANTHEMUMS

Bessie Burton	Mrs. John J. Glessner
Bonnaffon	Modesto
Cullingsfordii	Mrs. S. T. Murdock
Glory of Pacific	Mrs. O. P. Bassett
Ivory	Niveus
J. H. Woodford	Rose Owen
Minerva	The Queen
Mme. F. Bergmann	Mrs. J. G. Whilldin

Miss Minnie Wannmaker.

And others from 2½ in. pots, $2.00 per 100, $15.00 per 1000

HARDY POMPON CHRYSANTHEMUMS

In 10 named varieties, 2½ in. pots, $2.00 per 100; $15.00 per 1000. 10 named varieties rooted cuttings, $1.00 per 100; $7.50 per 1000.

CARNATIONS.

Bon Ton McGowan Portia

New York Wm. Scott

2½ in. pots, $2.00 per 100; $15.00 per 1000.

Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

THE LARGEST IMPORTATION OF

BAY TREES



Standards and Pyramids

EVER OFFERED IN AMERICA

This stock has been most carefully selected and consists of the finest specimen trees, which cannot be surpassed for outdoor decorative purposes. Write for prices.



OUR STOCK OF

PALMS and ORCHIDS

Contains the varieties you can use most profitably.

JULIUS ROEHRS, Carlton Hill, N.J.

Mention the Florists' Exchange when writing.



Send for Our List of

Kentias, Latanias, Ficus,

Asparagus, Dracænas, etc. Ask for our price list of Perpetuated Palms. Samples sent on request. Address

THE GEO. WITTBOLD CO., Chicago,
1708 N. Halsted Street.

Mention the Florists' Exchange when writing.

TELEPHONE, 108, SHORT HILLS

EMERSON C. McFADDEN
UNITED STATES EXOTIC NURSERIES
SHORT HILLS, N. J.

PALMS, FERNS AND ASPARAGUS

Mention the Florists' Exchange when writing

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.

1730 CAMBRIDGE ST.

Mention the Florists' Exchange when writing.

BOSTON FERN

Ready now. Cut from bench for 6 in. and 7 in. pots at $4.50 and $6.00 per doz., very fine. Small plants (orders booked for June Delivery) at $5.00 per 100; $40.00 per 1000.

100,000 **BEDDING PLANTS,** Very Fine.

Geraniums of kinds. Coleus, Alternanthera, etc., etc. Send for list. Rooted Cuttings, Coleus.

L. H. FOSTER, 45 KING STREET, **Dorchester Mass.**

Mention the Florists' Exchange when writing.

LATANIA BORBONICA

4 inch pots.....	$2.50 per doz ;		$20.00 per 100.
5 "	4.75	"	35.00	"
6 "	9.00	"	70.00	"
7 "	1.25 each, and fine specimen plants from $6.00 and upwards.			

Areca Lutescens, fine plants from $5.00 upwards.
Kentia Belmorenna and Forsteriana—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, well grown, from $2.50 and upwards.
Phœnix reclinata, 4 in. pots, 25c. each, $20 per 100; 5 in. pots, 40c. each, $35.00 per 100; 6 in. pots, 60c. each, $55.00 per 100; 7 in. pots, $1.25 each.
Phœnix Canariensis, Rupicola and Reclinata, fine specimen plants, from $3.00 to $5.00 each.
Cocos Weddeliana, from 2 in. pots, $1.50 per doz.

ASPARAGUS SPRENGERI 3 in. pots, $1.00 a doz. 5 in. pots, 25c. each.

JOHN BADER, Troy Hill, **Allegheny, Pa.**

L. D. TELEPHONE 872.

Mention the Florists' Exchange when writing.

BOSTON FERNS

N. Exaltata Bostoniensis.

Small plants, $5.00 per 100 or $40.00 per 1000; large plants, $6.00 to $20.00 per 100. Orders only taken for June delivery.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsterianas, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 inch, $3.00 per doz.
Asparagus Plumosus, $1.00 to $1.50 doz.
Asparagus Sprengeri, 3½ in. pots, $1.50 per doz.
Geraniums, 3½ to 4 in. pots, $7.00 to $8.00 per 100.
Heliotrope, $6.00 per 100.
Fuchsias, 3½-5 in. pots, $6.00 to $12.00 a 100.
Coleus, $3.00 to $5.00 per 100.
Hydrangeas, 25cts. to $1.50 each.
Also a general assortment of Bedding Plants.

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. Connected with Telephone.

Mention the Florists' Exchange when writing.

10,000 Excellent Stocky 4-Inch LATANIA

READY FOR SHIFTING,

$20.00 per 100. $190.00 per 1000.

WALTER RETZER & CO.,
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BAY TREES Standards and Pyramids.

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BOBBINK & ATKINS, Rutherford, N. J.

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Awarded Certificate of Merit, Penna. Horticultural Exhibition at Phila., March 21st, 1900, for Choice Areca Lutescens, Etc., Etc.



Choice **ARECA LUTESCENS, KENTIA BELMOREANA, LATANIA BORBONICA and PHŒNIX RUPICOLA.**

ARECA LUTESCENS—

8 inch pot (3 plants), very bushy, 26 to 30 inches high	$2.00
8 inch pot (3 plants), very bushy, 30 to 36 inches high	2.50
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KENTIA BELMOREANA—

	Per doz.	Per 100
3 inch pots, 4 to 5 leaves, 10 to 12 inches	$3.00	$25.00
4 inch pots, 5 to 6 leaves, 15 to 18 inches	6.00	50.00
6 inch pots, 6 leaves, 20 to 24 inches	18.00	150.00

LATANIA BORBONICA—

	Each
10 inch pots, 9 to 10 leaves, 30 to 36 inches high, 42 inches wide	$4.00

PHŒNIX RUPICOLA—

8 inch, 24 inches high	2.00

My packing is done in the best possible manner, and shipping facilities for both freight and express are unsurpassed. A Trial Order is Solicited.

JOSEPH HEACOCK, Wyncote, Pa.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.

To foreign countries in postal union $2.00. Payable in advance. The date on the address label indicates when subscription expires.

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Copy must reach this office not later than Thursday in order to secure insertion in issue of the following Saturday.

Orders from unknown parties must be accompanied by cash or satisfactory references.

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Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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A movement is on foot for the establishment of a botanical garden in Denver, Col.

Horticultural Hall, Boston, has been sold. The new owners purpose tearing down the old building and erecting on the site a modern sky-scraping office structure.

L. M. Noe, Madison, N. J., informs us that he has not rented the Slaughter greenhouses there; that Edward Brant is the lessee, and that that gentleman has, Mr. Noe believes, rented the establishment in question for a term of years. We may state that Mr. Slaughter himself was our informant regarding the reported Noe lease.

PAMPHLETS RECEIVED

INSECTS INJURIOUS TO FOREST TREES; being an extract from the Fourth Annual Report of the Commissioners of Fisheries, Game and Forests of the State of New York. In the pamphlet Dr. E. P. Felt, the State Entomologist, describes the depredations of some of the most noxious insects, and furnishes suggestions for their eradication. The work of the various pests is well demonstrated by the handsome colored plates which accompany the report.

PRIZE COMPETITION

COMMERCIAL HOME GROUNDS

Arrangement, Planting and Maintenance

The publishers of the FLORISTS' EXCHANGE, firm in the belief that the home surroundings of America's multitudes can only be made beautiful through force of example, and that these examples must be set and maintained by the florists and nurserymen themselves, and, further, that the more attractive and numerous these examples become the more prosperous will be the business of the industries this paper represents, hereby institute the following competition:

Class A—Unimproved Grounds
Prize, $10.00

Any fully paid-up subscriber to the FLORISTS' EXCHANGE, the professional landscape architect and engineer and landscape gardener excepted, may forward a plan of his grounds as they now stand, together with a full and definite statement of existing conditions and requirements. This preliminary plan to be accompanied by a second one, drawn to the same scale, showing subscriber's own ideas as to the proposed improvements in arrangement and planting which he intends to put into effect.

All plans received in Classes A and B will be submitted to Mr. Warren H. Manning, of Boston, Mass., landscape architect, who will pass upon same and offer such suggestions and criticisms as will, in his opinion, add to the value, harmony and effect it is desired to bring about in the subscriber's surroundings. The best plans will then be published in the FLORISTS' EXCHANGE for the benefit of those interested in the planning and maintenance of attractive commercial grounds. All competitors in Class A will be eligible to compete in Class C in the year 1901.

The institution of Class A is intended to arouse an interest among those who have not hitherto given much attention to their own home surroundings, and the absolutely free and eminent professional advice which the FLORISTS' EXCHANGE now tenders its subscribers on this important subject should result in very many taking advantage thereof.

Class B—Improved Grounds
Prize, $25.00

The FLORISTS' EXCHANGE offers a prize of $25 for the present best laid out and planted commercial home grounds and complete description thereof as they stand. Successful competitor must supplement the plans of his grounds by photographs to be taken in June, July or August, to prove correctness of statement. (Or the testimony of two expert witnesses will answer.)

In making the prize award for Class B, natural advantages of any one competitor's ground will not be taken into consideration as against another competitor whose grounds are not so well adapted to effect; in other words, judgment will be pronounced on the best use made of existing surroundings.

Class C—Grounds Improved in 1900
Prize, $35.00

Competition in this class will be restricted to competitors in Class A in 1900. No awards can therefore be made in Class C until the Fall of the year 1901, at which time the above substantial cash prize will be awarded that competitor who has displayed the most skill and care in the laying out and maintenance of his grounds, working on his own plans and such professional advice as may have been tendered to him. The award will be decided under the same conditions as govern the competition in Class B.

All pertinent questions on these competitions will be answered through these columns, or privately, as the case may be.

Intending competitors should make themselves fully informed as to all conditions (herewith printed) before proceeding with the work.

CONDITIONS

All plans must be drawn to a scale of one-eighth inch to the foot.

Use black ink only, as plans will be photographed directly from competitor's copy.

Competitors must work on the drawing paper and material which will be furnished, free, on application to the FLORISTS' EXCHANGE.

The FLORISTS' EXCHANGE will also furnish a printed sheet of instructions showing the characters to be used indicating a tree, a shrub, flower beds, groups, lawns, boundaries, fences, greenhouses, dwelling house, etc., etc.

Use figures (1, 2, 3, 4, 5, etc.) to indicate nature and composition of planting, the plantings indicated by said figures to be given in full in the descriptive text.

Plans drawn out of scale, or executed in an unworkmanlike manner, will not receive any consideration. By this we do not mean that we expect to receive as good plans as those which would be drawn by professionals, but we want plans good enough for publication without having to be redrawn by a professional.

Competitors in Class A, in order to get the benefit of professional advice for this Fall's planting, should send in their plans as early as possible.

The competition in both Classes A and B is herewith declared open and will close October 31. Decision in Classes A and B will be given as soon thereafter as is practicable.

While the publishers will recognize all merit shown, they will not commit themselves to a prize award in any class unless there are at least five competitors in said class.

Drawings must be mailed in a tube and fully protected against being cracked or broken in the mails. Address all communications,

Publishers FLORISTS' EXCHANGE,
P. O. Box 1697, New York City.

Home Grounds Competition.

A National Rose Day for England.

England has her Primrose Day observed in honor of the late Lord Beaconsfield; and other floral days celebrating remembrances of great men or their deeds. Now, however, a movement is on foot to "go up higher," and to establish the recognition of the coronation day of Queen Victoria (June 28) as the national Rose Day of England. A writer in the Journal of Horticulture makes the following interesting observations on the popularity of the rose and its appropriateness for the purpose in view:

"It is interesting, as the proposer of the movement observes, to remember 'that far back in English history the Wars of the Roses, red and white, showed how bitter racial animosity divided England; and now the wearing of roses, of all colors, would show how the old divisions and hatreds had been healed in this mode of celebrating Queen Victoria's reign.'

"How, when, and in what manner the rose became the emblematical flower of England, perhaps Mr. William Paul could tell us. His fine work, the 'Rose Garden,' contains much—very much—that is highly interesting historically, but the particular point, if treated, has been overlooked by the present writer. That it was the favorite flower of the luxurious Roman Emperors is clear enough; and we are told that about 2,000 years have rolled away since Sappho christened it the 'Queen of Flowers.' This was done in the following lines, written, of course, in Pagan times:

"Would Jove appoint some flower to reign
In matchless beauty o'er the plain,
The Rose (mankind will all agree),
The Rose the queen of flowers should be;
The pride of plants, the grace of bowers,
The blush of meads, the eye of flowers;
Its beauties charm the gods above;
Its fragrance is the breath of love.

"Associated with royalty through past ages, and now a favorite flower of the Queen, also, no doubt, broadly speaking the most popular flower of the inhabitants of the United Kingdom, it would be appropriate that it be selected as commemorative of the longest reign in the annals of history, and so abundant are roses on Coronation Day that they would be within the means of the millions to obtain.

"The roses, moreover, would not be the production of foreign lands, as would be the case largely if an abnormally large demand occurred at a season when our home growers could only produce them under glass. Under these circumstances enormous importations from southern Europe would be inevitable; but in our natural rose season the flowers required for a royal celebration would be grown in the gardens of the British Isles. This, as perhaps will be generally conceded, would be entirely appropriate; it would further have a tendency to induce thousands of persons to grow their own flowers for such a purpose, and thus widen still more the deserved popularity of the 'queenly rose.'"

Dean Hole, the famous rosarian, suggests that the variety "Her Majesty" would prove very acceptable, on account of its appropriate appellation, and also of its general good qualities.

Horticultural Society of New York.

A meeting of the temporary council was held Wednesday last at the Berkeley Lyceum, 19 West 44th street, James Wood, Mt. Kisco, N. Y., presiding, Leonard Barron acting secretary. It was decided to adopt the title "The Horticultural Society of New York," for the new organization. The dissemination of information on the culture and care of plants, fruits, flowers and vegetables is the object of the society, in addition to the holding of exhibitions, at the stated meetings whenever practicable. The number of vice-presidents was increased from three to five, and 25 members, together with the officers, shall constitute the council. A Botanical Committee was added to the list of committees already published.

The Committee on Nominations submitted a list of names for the various officers and the council. Election will take place at the next meeting to be held June 13, in same building, at 4 o'clock in the afternoon.

OBITUARY.

Mrs. Siebrecht.

Mrs. Siebrecht, mother of W. H. and H. A. Siebrecht, died Saturday last, aged 77 years. The interment was at St. Michael's Cemetery, Astoria, L. I.

Jacob Leis.

Jacob Leis died suddenly last Saturday morning early; the funeral took place at College Point on Monday. The deceased was 79 years of age, and had long been an agent for the Whilldin Pottery Co., with offices in Long Island City.

C. C. Morse.

C. C. Morse, seedsman, of Santa Clara, Cal., died at his home there on Saturday, May 5. Mr. Morse, it may be remembered, was seized with paralysis at Minneapolis, in the Fall of 1898, while on an Eastern trip. He rallied from the stroke, but never fully recovered.

Deceased was born in Maine about 55 years ago. After leaving school he went to sea and visited many parts of the globe; but that life did not suit him. He went to California, married and settled there. He leaves a widow, three daughters and one son, Lester L. Morse, who is well known in the American seed trade. Nearly 30 years ago, when Robert Wilson, the pioneer seed grower of California, got sick, and could no longer attend to business, he sold out his then small concern to Kellogg & Morse, who carried on seed growing. Mr. Kellogg retired 10 years ago, and later the firm name was changed to C. C. Morse & Co. About that time Lester L. Morse took hold with his father, proving a very able lieutenant, and on whom the conduct of the business has rested since the sickness of his father.

Charles C. Morse was naturally a very strong, healthy, robust, cheerful man, built on a large pattern, and possessed lots of push and enterprise. He loved his business and applied himself to it with all the force of his strong personality. He was a very successful and reliable seed grower, a close observer, never forgot what he learned, and never tired following up the many details of seed growing. He was honest and honorable to the letter, just, liberal and charitable in all his dealings with other men. In his home he was a kind, indulgent husband and father, where, as well as in the seed trade, he will be greatly missed, but always thought and spoken of with love and respect.

New York.

The Market.

The cut flower trade is in such a demoralized condition that the less said about it the better. There is no fixed price upon any one commodity. Store people are buying almost nothing, and the street men are confining their efforts chiefly to lilac. The purple variety is selling at 10c. a bunch wholesale.

Roses and carnations are a complete drug; it is impossible to make daily clearances, and at all times there is a heavy surplus in the hands of the dealers. American Beauty are coming in very plentifully; the demand for them has fallen considerably short of what it was last week even, and the average returns will compare very unfavorably with that period.

An occasional box of violets still comes to the city, but for all practical purposes their season may be said to be over. Narcissus are still plentiful, and with the possible exception of one special variety they realize but 50c. per 100.

Daisies, pansies, sweet peas and mignonette are so plentiful that no fixed price obtains. Lily of the valley runs from $1 to $2.50; lilies and callas from $4 to $6 per 100.

Among the retailers there is little doing, except steamer trade, and as May weddings are supposed to be unlucky (that is by the 400), business is expected to be comparatively quiet until June arrives.

Auction Rooms.

Bedding plants are now being offered in the auction marts in vast quantities—pansies, verbenas, petunias and geraniums predominating.

Cut Flower Exchange.

On Saturday last the stockholders of the Cut Flower Exchange met for the purpose of electing four directors. Jos. Sklenka was elected, and Wm. Amos, John Donaldson and Henry Ulrich, re-elected. The inspectors of election were Messrs. J. Wocher, V. Dorval and T. O'Dea. Philip Emmerich, of College Point, was appointed janitor of the building, to fill the vacancy caused by the death of James Gordon.

American Institute Show.

At the rooms of the American Institute, in the Berkeley Lyceum Building, West 44th street, there was a very creditable display of flowers and plants on Wednesday last, the occasion being the Institute's Spring show. It is to be regretted that more people did not take the opportualty of visiting the show, seeing there was no charge for admission. Siebrecht & Son occupied space on one side, the entire length of the hall, and among their collection were specimens of anthuriums, Adiantum Farleyense, a group of Begonia Gloire de Lorraine, Clerodendron Balfoari, allamandas, Crimson Rambler roses, lilies, Azalea mollis, a pair of fine bay trees, vases of roses, including one of Goldea Gate, and a nice collection of orchids, among them cattleyas, dendrobiums and oncidiums.

Lager & Hurrell, of Summit, N. J., showed an assortmeat of orchids, among which were many fine specimens in full flower, notably Cattleya Mendelii, C. intermedia and C. granulosa, Oncidium Kramerianum, Lælia cinnabariua, Miltonia Roezlii and M. Roezlii album, Dendrobium thyrsiflorum and Epidendrum rhizophorum.

Julius Roehrs, Carltoa Hill, N. J., had a splendid collection of orchids and floweriag plants, the latter being 25 perfectly grown herbaceous calceolarias in as maay distiact colorings. The orchid collection contained many choice forms of cattleyas, such as C. Warneriі, C. Mossiæ and C. Harrisoaiæ, Dendrobium Pierardi, Cypripedium Lawrenceanum, beautiful pieces of Odontoglossum citrosmum, Deadrobium Phalænopsis and miltonias.

J. H. Traendly, Rowayton, Conn., had a vase each of Bride, Bridesmaid and Morgan roses; J. G. Hayden and C. H. Allen, Floral Park, L. I., each staged exhibits of carnations. C. W. Ward, of the Cottage Gardens, Queens, L. I., exhibited the carnation Governor Roosevelt; John Lewis Childs, of Floral Park, L. I., showed aa extensive collection of flowering shrubs. There was also a collectioa of hardy flowers named, from the New York Botanical Garden. A. K. Petit, gardener to the Deaf aad Dumb Institute, New York City, staged some well-grown pelargoaiums and calceolarias.

A vase of the Queen of Edgely rose was shown by the Floral Exchange Co., Philadelphia.

James Wood, Mt. Kisco, N. Y., gave a short talk on the home gardea and confined his remarks to vegetables and fruits. The speaker advocated wide planting, successive crops, rotation of crops and heavy feeding.

Brevities.

Owing to increasing business Dunne & Co., horticultural supply dealers, 50 West 30th street, have had to enlarge their quarters, by annexing the store at No. 54, two doors away.

James Purdy, commission dealer, has associated his brother with him in business under the firm name of James Purdy & Bro.

The New York Florists' Club will meet Monday evening in Elks Hall, corner 27th street and Broadway, at 8 p. m. The Ways and Means Committee will meet one hour previous to the regular meeting.

A new committee has been appointed by President O'Mara, to be known as the Coavention Hall Decoration Committee, with W. I. Brower as chairman.

Secretary Manda, of the Exhibition Commitee, is having numerous reqaests for copies of the schedule of the horticultural exhibition to be held in conjunction with the coavention next August.

S. Jacobs & Sons, manufacturers of greenhouse building material, have, on account of increasing business, removed their office from 406 West 13th street, New York, to the same location as their new factory—Flushing, avenue near Metropolitan avenue, Brooklyn.

Eugene Dailledouze has been confined to his room with sickness for a week, but is again recovering.

In the vicinity of Flatbash there was a severe frost Thursday morning, doing much damage to early crops.

Visitor: A. J. Newton, Norfolk, Va.

Cincinnati.

Trade News.

Business during the past week has beea fair. Stock has been plentiful and has sold at low prices, as a rule, but large quantities have been disposed of. The ruling price of roses has been 3c., but many were sold at job-lot figures. Carnations have also been very much la evidence, and have gone off at prices ranging from 50c. to $1.50 per 100. Sweet peas are now in the market, selling at 50c. to $1 per 100. Callas and Harrisii move very slowly, there being very little fuaeral work around.

In the market plants are moviag fairly well, geraniums having the call. For the past few days we have been passing through a cold spell that will have a tendency to hold back vegetatioa considerably. In many sections frost has been reported, but I do aot think fruit has beea damaged. We are also having a very dry spell aad caruations ia the field are sufferiag badly.

Jottings.

B. P. Critchell is making a stiff fight for superiatendeat of parks versus R. H. Warder; as both men are hustling it looks as though it would be a close finish.

Already we begia to hear a buzzing among the florists regarding our annual outing. It looks now as though the National Soldiers' Home at Dayton, O., would be the place chosea. This is not only a beautiful place, with its magnificent beddiag and landscape gardening, which is doae by Mr. Beck, whose reputatioa is second to noae as a landscape gardener, but it is also aa historical place, aad a trip here will be very beneficial to the children as well as the adults. The most important questioa now is what arrangemeats caa he made with the railroads?

E. G. Hill sailed for Europe last Wednesday. The florists of the United States may look for all the novelties of the Old World upon his return.

Great preparatioas are now being made by the citizens of Ciacinnati, looking to holding one of the old-time expositions in Music Hall this Fall. The street pageant will be very beautiful and one of the featares of the show. Prizes will be offered for the best decorated carriage, and aone will be allowed in the parade unless profusely decorated with flowers.

A communication was received a short time since from the Sporting Committee of the New York Florists' Club in regard to eatries for the bowling coatest, but as we have no regularly orgaaized club here we shall have to decliae, by thaakiag the Sporting Committee for its kiad remembraace.

The florists' business for the months of March and April was the best we have experieaced in many years.

E. G. GILLETT.

Albert Knapper, Frankford, Pa., advises us that he has on exhibition 100 plants of edelweiss, Leontopodium alpinum, which he believes to be the only stock of this interesting plant, in flower, in Americа.

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The Improvement of Carnations in America.

Abstract of Lecture Delivered by C. W. Ward, Queens, before the Massachusetts Horticultural Society.

Our carnation, Dianthus Caryophyllus, erroneously called "pink" by many people, is a native of southern Europe. In its original state it is a half-hardy herbaceous perennial, growing about 2 feet in height. The original flower was flesh-colored and contained five broad petals.

Its natural period of blooming in the open air is from June to August. It is said to exist in the wild state in England, where it was introduced supposedly about the time of the Roman invasion. As long ago as 300 years B. C., the carnation was described by Theophrastus, who gave it the name Dianthus, from the Greek Dios, Divine and Anthus, flower. The name Caryophyllus was undoubtedly taken from the clove tree Caryophyllus aromaticus, and was applied to the carnation because of the clove-like fragrance of its blooms. The name carnation, derived from the Latin *carnis*, flesh, refers to the flesh-colored gillyflower. As early as the beginning of the sixteenth century the development of the carnation began to attract the notice of historians, and the European gardeners contributed so many varieties that Girard, in 1587, wrote that to "describe each new variety of carnation were to roll Sisyphus' stone or number the sands."

The carnation has been divided into several distinct classifications. The French arranged all varieties into three classes, the Grenadines, Flamans and the Fancies. The English divided them into four classes: Selfs, those comprising only one color in the petals; Flakes, those having a pure ground of white or yellow and flaked or striped with one color; Bizarres, those having a pure ground color but marked with two or three different colors, and the Picotees, the latter class having a pure white or yellow ground, each petal being bordered with a band of yellow at the margin. The English still maintain this classification, and in the twenty-second annual report of the National Carnation and Picotee Society, southern section of England, we find a total of 42 classes described in their premium list, covering the above four classifications.

In the early part of the 19th century the English gardeners paid particular attention to growing carnations and produced fully as large flowers as any that we have upon the table here to-day. They practiced what is known among English gardeners as dressing, removing all imperfect and superfluous petals with a forceps and arranging the remaining petals in a perfectly formal manner. Frequently the calyx was cut down between the points to prevent what is known as bursting; that is, the growing out of the petals at one side of the calyx. All of these artificial details seem to have proved of doubtful benefit to the carnation, and eventually to have wrought its downfall, as we find that from about the middle of the nineteenth century little is heard of the carnation among English gardeners, until within a comparatively recent period.

The type of the carnation, however, flowers of the original type. The carnation has been in cultivation for more than 2,000 years, and in early Greek history is mentioned under the name of that was developed and grown by the English gardeners is not the same type that we grow at the present time; but is distinctly a race of Summer-flowering carnations. The usual plan of growing them is to keep the plants in cool houses or cold frames during the Winter and to bring them into blooming quarters in the early Spring. They were usually had and he succeeded by skillful crossing in obtaining fine varieties with stiff stems. In 1860 the number of these varieties was largely increased, and this class received the name of tree carnations; but in perfection during the months of July and August, each plant producing a profusion of blossoms during this short season. While the English seem to have lost much of their interest in the carnation about 1850, that interest appears to have been steadily reviving during the past few years.



Carnations, showing Gradual Evolution from Single to Double Flowers.



Fig. 2. Flower of Carnation Governor Roosevelt. (Front View.)

Referring again to the annual report of the National Carnation and Picotee Society, we find that there are a total of 319 premiums offered in the 42 classes, and that this society is supported by a list of 380 subscribers, who have donated sums ranging from five shillings to fifty pounds each, toward maintaining its premium list, these donations amounting to £317 sterling, or about $1,500. We also find that this report contains as patronesses the names of Lady Ardilaun, Baroness Burdett Coutts, the Duchess of Marlborough; and as patrons, Lord Balfour, Lord Henry Grosvenor, Lord Rothschild, and Baron Schroeder and many other prominent people. Among its vice-presidents is found Sir John T. D. Llwellyn, member of Parliament. The mention of these names will give some idea of the present interest shown by English people in carnation culture.

In America we have also the American Carnation Society, a national body devoted to the improvement of the divine flower. This society is composed of a membership of upward of 300, the majority of whom are either carnation enthusiasts or engaged in the cultivation of the carnation, either commercially or as amateurs. The work of this society has been of incalculable benefit, and to its efforts may be largely attributed the advancement which has been made in the American carnation. This society holds its annual meeting in February of each year at different points throughout the United States, upon which occasions are exhibited magnificent displays of the finest carnations that can be grown. The membership of this society is open to any and all persons who are interested in or have any love for the carnation. None are barred—amateurs and professionals are equally welcome.

The carnation commonly grown in America was derived from the French strain, known as the remontant, monthly, or perpetual flowering carnation. This distinct race originated about 1840, and is said to have been produced by M. Dalmais, a gardener of Lyons, France, the original variety called Atim, having been sent out about the year 1844. This improvement was followed up in 1846 by M. Schmitt, of Lyons, who produced several fine varieties that remained in cultivation a number of years.

M. Alphonse Alegatiere was the next horticulturist to aid in the material development of this new race of carnations, in America they were generally termed monthly carnations. It is from the productions of Alegatiere that our American race of carnations was undoubtedly obtained.

As early as 1866 a number of varieties were imported into this country by Messrs. Dailledouze, Zeller and Gard, horticulturists, who were then located in Flatbush, L. I., these gentlemen having imported Edwardsii, President Degraw, La Purite and a variegated La Purite. These varieties were grown during a period of 10 years as pot plants for Summer and Winter blooming. It may be of interest to state that at the present time Mr. Charles Zeller, the survivor of the above firm, still lives in Flatbush, a hale and hearty gentleman, upward of 80 years of age; and it has been my pleasure to hear Mr. Zeller frequently declare that he was more than proud to have been one of the first who brought the carnation to this country. Mr. Zeller's partner, Mr. John Dailledouze, has long since passed away; but has left worthy sons, who have succeeded to and preserved their father's love for the carnation.

The work of improving the American carnation has been taken up and carried on successfully by such men as the late Chas. T. Starr and W. R. Shelmire, of Avondale, Pa.; Wm. Swayne, of Kennett Square, Pa.; Jos. Tailby, of Wellesley, and Sewall Fisher, of Framingham, Mass.; Fred. Dorner, of Lafayette, Ind; R. Witterstaetter, of Cincinnati, O.; Peter Fisher, of Ellis, Mass.; the Dailledouze Bros., of Flatbush, L. I., and many others whose names are not now at my command.

The foregoing historical treatment of the carnation I have gathered largely from the Cyclopædia of American Horticulture recently published by L. H. Bailey, of Cornell University.

To-day it is my purpose to give you an illustration of the development of the carnation from the original five-petaled bloom to the 4-inch flower of the present date. We find from the ancient descriptions that the wild carnation was a five-petaled flower about one inch in diameter, and that it was commonly a flesh or lavender color. Fortunately among hybrid seedlings of to-day frequent reversions furnish us with flowers that are almost identical with the original type as it existed 2,000 years ago, save perhaps in the matter of color.

In No. 1 we have the original five-petaled flower but the color is of a deep crimson. In No. 2 we have the first step toward the improvement of the flower, this being the addition of a single petal, producing a six-petaled bloom. The next step is shown in No. 3, where three or four small short petals have

been added to the center of the bloom, producing a semi-double flower. In the next step, No. 4, still more petals have been added, and we now have a fairly double flower. The fourth step was made by adding still more petals, making a full double flower, as shown in No. 5; but you will notice that in all of these the relative size of the blooms remain, the same, namely, about one inch in diameter.

After the carnation hybridizer had succeeded in producing the double bloom shown in No. 5, his next aim was to increase the size of the bloom, improve the strength, as well as to elongate the stem, and to improve and diversify the shades of color. This has all been so faithfully done by our American hybridizers that you now have before you these magnificent blooms, measuring from 3 to 4 inches in diameter, with perfect calyxes and supported upon stiff stems 2 feet or more in length, some of them being equal in form to those produced by the artificial manipulation of the English dresser; embracing almost every tint of color known in flowers, save that of blue, and the approach toward this latter color is shown in varying shades of purple; several California varieties have been introduced in a distinct shade of mauve.

The study of this plate is decidedly interesting as it shows the comparative difference between the carnation as we know it to-day and the original flower that aroused the sentiment and admiration of the ancient Greeks and Romans. This comparison is accentuated when we throw upon the screen Governor Roosevelt, a seedling 4 inches in diameter, as the photographs, from which these slides were made, were taken of the same relative size. We will also find in this bunch of seedlings before us a number of these single-petaled blooms.

While the growing of seedling carnations is an intensely interesting work, and one well worthy of the careful attention requisite to obtain material results, it is not only tedious but expensive; and the seedling grower who produces a distinct advance upon the existing type of carnation is well worthy of the plaudits of his fellow carnation men, and richly deserves the praise of all those who are interested in or imbued with the love of flowers.

In Figs. 1 and 4 we have a snow-white seedling, which for beauty of form and purity of color was unsurpassed; but unfortunately it was not sufficiently free in blooming to warrant its commercial introduction. In the front view of the flower the petals are not crowded, but there are sufficient of them to give the effect of a well-formed, shapely bloom, and in the side view of the flower you will note that the guard petals are broad and stand out flat from the calyx without recurving, while the center of the flower is well built up and the calyx and stem are proportionately strong.

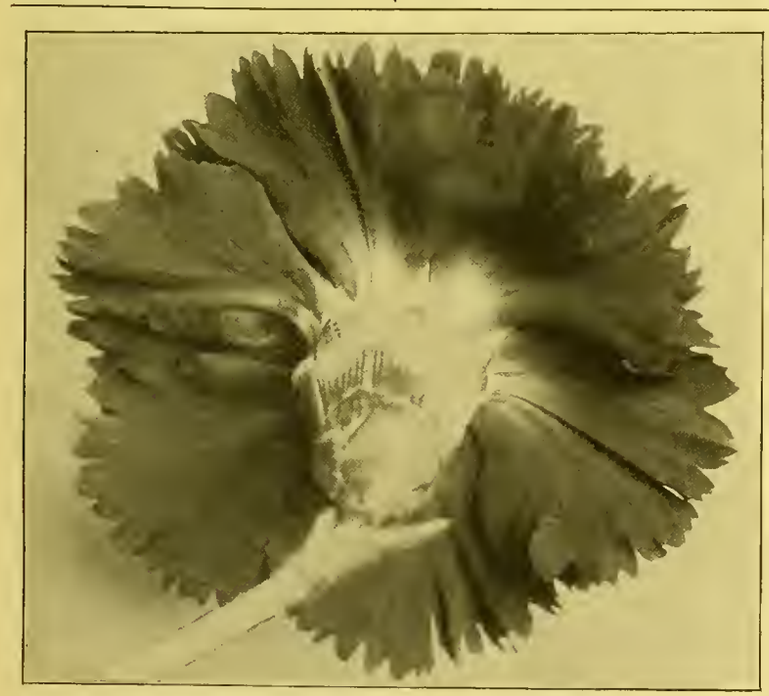


Fig. 3. Flower of Carnation Governor Roosevelt, showing Calyx

In Figs. 2 and 3 we have Governor Roosevelt, a seedling of 1897, which is particularly distinguished by its symmetrical form, large size, splendid calyx and excellent stem. This variety is probably the most advanced step in the development of the carnation yet achieved. The flowers reach 3½, even 4 inches in diameter, with stems from 2 to 3 feet in length.

Fig. 5 presents quite a new departure in carnation seedlings. This is what we may term an anemone-flowered carnation. You will notice that this flower is composed of a single row of broad guard petals, that stand out well from the calyx. Around this is a thick bunchy wreath of fine feathery petals, the same as is seen in the anemone-flowered chrysanthemum. In the center of this bloom are six miniature flowers, the largest of the secondary flowers being surrounded by the five smaller. This flower also has four pistils instead of two, and probably if it had been left to develop some of the secondary flowers might have produced additional pistils. The flower was nearly 4 inches in diameter and is the most remarkable freak that I have seen on carnation seedlings; but unfortunately we cannot proceed further in hybridizing with this variety as it produces neither seeds nor pollen.

I am asked sometimes why carnations purchased from the stores frequently keep but a few days, and I am ofttimes requested instructions as to how to care for carnation blooms. In my opinion the reason for carnations not keeping after they have passed through the commission houses and stores arises from the variety of improper treatment which they receive. I have many times seen dealers take carnations from the box as they arrive and plunge the stems immediately into ice cold water and set the flowers into a cold ice box. I think that this alternate chilling and heating of flowers, such as plunging the stems in ice water and chilling the flowers, and then placing them in highly heated dry rooms, is the reason for the premature withering away of the carnation flowers.

You will understand that a flower immediately after being severed from the plant is in a delicate condition. We all know that if we subject our plants in the greenhouses to these sudden changes in temperature, such as chilling them and again overheating them, the plants eventually fade away and die. This is especially the case with a member of the plant that has been severed, such as the cut flowers.

The treatment that I would recommend, in order to keep carnations as long as possible, is to plunge the stems in water from which the chill has been taken so that it feels just slightly warm to the hand. Then place the vase of flowers in a room not colder than 45 to 50 degrees F., and allow the flowers and water to cool down with the room. Treated in this way we keep carnations from two to three weeks, and in some instances have kept some varieties four and five weeks. If the blooms are kept in a room ranging at from 40 to 50 degrees during the night time they may be brought into the living room, where the temperature is quite high during the day time, and returned to the cool room each night without serious injury. Treated this way carnation blooms should last from 7 to 12 days, and even longer.



Fig. 1. Flower of White Seedling Carnation.

I have found an unoccupied bed room on the north side of a house, in which there is no direct heat, or at least very little heat, the temperature ranging from 45 to 55 degrees, an excellent place in which to keep carnation blooms. It is in this kind of a room that we are able to keep the carnations from two to three weeks, and even longer, as I have before said.

After listening to this technical description of the advanced improvement in carnation culture, a few statistics concerning the magnitude of the business, the value of the product sold, the capital invested, and the persons employed may not come amiss. It is impossible at the present time to make correct statements regarding the amount of capital employed, as we have as yet no accurate statistics. From a rough computation I am inclined to think that there is perhaps $2,000,000 invested in carnation growing in the United States to-day, and that there are probably employed in the production of carnation flowers something like 5,000, possibly more people, these employees receiving wages ranging from $35 to $100 per month, the average wages probably being $45 per month.

It is still more difficult to arrive at the value of the product produced, but basing our estimate upon the retail prices the probable value of blooms and plants sold should be from three to four times the capital invested. There are about two and one-half millions of young carnation plants and rooted cuttings sold each year; and florists produce an equal amount, which they themselves use for growing and which are not sold, so that the entire production of rooted cuttings and young carnation plants will approximate 5,000,000 per annum. Of these plants at least four-fifths are grown under glass during the Winter time for cut flower purposes, some 3,000,000 to 4,000,000 plants per annum being used for this purpose. Assuming that they produce an annual average of 20 flowers to the plant, would give 60,000,000 of blooms produced upon the American continent each year.

What becomes of this enormous number of flowers is somewhat of a mystery. They are put to innumerable uses. The carnation is a flower that awakens the love of almost every person, and as the average carnation blooms are sold at much more reasonable prices than many other flowers they come within reach of a larger class of people than do roses and orchids, consequently the consumption is larger. There is no use to which flowers may be put for which the carnation is not fitted. It lends itself to almost every scheme of decoration. Its delicious, clean, pungent, aromatic fragrance admits it to almost every sick room; it is unsurpassed for dinner or center table decorations; it is universally used in the making up of set pieces; it is also one of the best flowers for boutonnières that the florist has at his command, and finally, its wide range of pleasing colors, its lasting qualities and fresh, rich, clove fragrance combine to make it one of the most popular, as well as one of the most sought for and profitable, of florists' flowers.

A Parasite Upon Carnation Rust.

The growers of carnations in America have been troubled since 1891 with a disease known as rust, Uromyces caryophyllinus (S.) Schroet. No marked success has followed the numerous attempts to check its development. Recently a natural check was noticed infesting the pustules of rust; this was the fungus, Darluca filum (Biv.) Cast, which is described and illustrated by Mr. Frederick H. Bloodgett in Bulletin No. 175 of the New York Agricultural Experiment Station, Geneva, N. Y., as follows:

"This fungus is related to the Septorias and Phomas familiar to florists through the diseases they produce. In some way this fungus has become adapted to living upon the tissues of other fungi instead of deriving its nourishment solely from the host plant.

"The presence of Darluca is best determined with the microscope. But in cases where the rust is badly infested, the dwarfed and evidently crippled development of the rust pustules indicates that something is wrong. At times there are dead areas, in which are scattered a number of very fine black specks; these are the pycnidia of the Darluca. In other cases the infested area is nearly black, and the pycnidia are abundant. A third type of infestation is visible only with the aid of the microscope; in this the pycnidia are scattered among the spores in the infested pustules, which otherwise appear normal. In any case the presence of the Darluca, as of the

rust, is shown externally only when it reaches maturity and produces spores.

"The spores of Darluca are two-celled and colorless. They are developed within pycnidia or flask-shaped fruit bodies, which may be nearly spherical or much elongated. When a ripe pycnidium is moistened the spores are expelled in a thick rope, which holds together by the gellatinous covering of the cell walls of the spores.

"The pycnidia are formed from a cluster of interwoven vertical branches of hyphæ. As the mass thus begun develops a cavity is formed at the center, which enlarges until only a thin membrane is left as the pycnidial wall. From the interior of this membrane short branches have been produced at the ends of which spores are formed. When ripe the spores drop from their stalks, and others are formed in their places.

"The spores germinate readily in water and produce germ tubes from either one or both cells, from any point of the cell wall. The hyphæ, or germ tubes, probably gain access to the interior of the rusted carnation leaf through a stomate. Once within and adjacent to the rust hyphæ, the parasitism begins and the two plants become closely interwoven. The growth of Darluca is most abundant close to the pustules of the rust. The leaf tissue beneath the infested spot seems filled with the hyphæ of the two fungi. Often a dark layer is developed at the original surface of the leaf, above which rise the spores and the pycnidia of the two fungi. The dark color may not be confined to a mere layer or band, but may extend to the whole of the dense mass of hyphæ, almost totally obscuring the structure of the carnation leaf.

"The pycnidia are imbedded for two-thirds of their height among the spores of the rust, showing only the dark upper third when seen from above. The surface is smooth and rather shiny, and is marked with a fine irregular network of cells. At maturity an opening is formed at the apex through which the spores exude when wet.

"The same fungus infests the rust of the asparagus; and it may be that, either by growing garden asparagus in the houses or by spraying the carnations with water in which Darluca infested asparagus has been broken, a sufficient abundance of Darluca may be obtained to check the ravages of the rust.

"At the present writing it is not known to what extent rust may be checked by the Darluca. It cannot be expected to eradicate rust from a greenhouse, but its influence is good and it is believed to be worth the florist's while to encourage its growth."



Fig. 3. Anemone-Flowered Carnation.

Experiences Gained by the Easter Trade of 1900.

Paper read by Robert Craig before the Philadelphia Florists' Club, May 1, 1900.

Your committee has asked me to say something about "Experiences Gained by the Easter Trade of 1900." I have made some hasty and random notes, which I will read to you, being fully conscious of how incomplete and unsatisfactory they are. But I am not without hope that they may prove useful in starting a discussion in which the members present will express themselves freely on the subject of plants and cut flowers at Easter, which has become the most important flower festival of the year in all parts of the United States and Canada.

Let us take a glance backward for twenty or thirty years and recall the growth of the demand for flowers and plants at Easter. As long back as I can remember (and I have been actively engaged in the florist business for over thirty years) there has been a demand for all the cut flowers and blooming plants to be had at that time. But three decades ago comparatively few were grown, and those mostly of an inexpensive kind, such as Chinese primulas, cinerarias, stock jellies, particularly white ones, Deutzia gracilis, a few azaleas and roses in pots, such as Hermosa and Agrippina, and a very limited number of carnations in pots. In these latter days the storemen do not care to handle cheap plants, such as, for instance, those that retail at 25 and 50 cents, claiming, very justly, that it does not pay them to deliver such cheap plants in the great rush. Therefore the limited number of stock jellies, small geraniums, etc., now grown, are disposed of mostly on the sidewalks, where the customers pay spot cash for them and carry them off, thereby entailing no expense for delivery, while the dealers are not under the incubus of lofty rent, elaborate and costly delivery teams, and high-priced salesmen.

Now, great preparations are made by those florists who make a specialty of catering to Easter trade, and the finest specimens of the florist's art, both in plants and cut flowers, are to be seen at that season. The plant trade at Christmas is growing apace, too; but at that time of the year it is impossible to have such a variety as is to be had in the Spring time. I think Easter will continue to be the most important part of the year, for the plantsmen, at any rate.

What a marvellous advance there has been in the florist business! It is observable at all seasons of the year, but has its emphatic demonstration at the time when the stores and greenhouses are so brilliant and attractive in their Easter array. I wish to be considered a young man yet, but I can recall the time when there were no florist stores in Philadelphia; when the leading cut flower business was done by Andrew Dryburg, in his greenhouses in 19th and Race Streets, and Peter MacKenzie at 18th and Spruce Streets, both locations being then in the suburbs of Philadelphia; and the next largest business was done by James Ritchie, in a cellar at the corner of 8th and Sansom streets.



Fig. 4. Mr. Ward's Ideal White Seedling Carnation.

About thirty years ago the firm of Pennock Bros. startled the community by opening a small one-story shop on 12th street below Chestnut, which was regarded by Mr. Ritchie and others as a doubtful experiment. But who could conduct a first-class florist business in a cellar now? How interesting it would be to Robert Buist, David Fergusoa, James Ritchie, Peter MacKenzie, or any of the old-time leaders, if they could come back and see the proportions to which the florist business has attained.

To return to our subject proper, let us "consider the lily, how it grows," and incidentally how many from Bermuda do not grow by reason of that happy, cheerful and indefatigable little animal, the bulb mite, which is eating out the life of the lily. I speak of the lily first, because it always has been, and is likely always to be, the most important Easter plant. A floral Easter without lilies is hardly conceivable. Many years ago the Calla Æthiopica was the lily, and later on a few L. longiflorum were forced into bloom, under great difficulties at that time, by only a few of the most enterprising florists. The houses at that time were not so well heated as we now have them, and few of the growers were willing to use the extra coal necessary to get the old-fashioned L. longiflorum in bloom at that, then considered, early date. By the way, what has become of the original L. longiflorum, with its substantial flowers, which stood out from the stem at an angle of 45 degrees, and which was entirely superior to the so-called longiflorum which we now get from Bermuda and Japan? I have not seen the true L. longiflorum for eight or ten years—nor the true Harrisii, either, for that matter. Those of the latter we get now are far departed from the original of the type introduced to commerce by the president of the club, whose name it very properly bears, and which will keep that name in pleasant remembrance after he gas gone—which God forbid for many years yet! May no pernicious blight overtake him such as has overtaken his lily, and may he continue to flourish "like a green bay tree." I well recollect the first dozen plants of this lily which he purchased from Wm. Crawford on Gray's Lane, below Woodland avenue, who had, a few years previously, received two bulbs from a lady by whom they had been brought from some Southern clime. This was, I think, in 1878, in the month of February. Mr. Harris asked me, at that time, if I had ever seen such a lily in bloom at that season of the year, and he predicted a useful career for the newly discovered treasure. But even he, with all his business sagacity, did not realize what a future was in store for that lily nor how millions of it would be grown every year to supply the demand in all parts of the world. But, alas, much of its grandeur has departed! So many seedlings of it have been raised in Bermuda and elsewhere that the original and superior type, as far as I can learn, is extinct, and the so-called Lilium Harrisii which we now get from Bermuda, while inferior in many characteristics, is so badly diseased from the ravages of the aforesaid mite that the culture of the bulbs is both unsatisfactory and unprofitable. Now we have to depend largely on Japan, where the disease has obtained but little foothold. But the bulbs from Japan, although in the main satisfactory, are not always so. There are several varieties that come from Japan, some of which, even under careful treatment, come into bloom too late for Easter. I am glad to know that our good friend Peter Barr, of narcissi fame, who sojourned for a short time among us about a year ago, is now in Japan and is instructing the Japsns to the best varieties to grow. If they will only listen to and obey him they will reap a rich reward.

Next to the lily in importance as an Easter plant is the azalea. What quantities of these are now grown! I think the quantity was a little overdone this year, especially in the larger sizes. I allude to plants wholesaling at $3 each and over. A limited number of azaleas can be retailed in Philadelphia at from $6 to $10, and a very few at higher rates; but the most popular sizes seem to be those that retail at $2 to $2.50, and at prices gradually lessening from these figures. And how few varieties are now generally popular! The catalogue of our Belgian friends names 50 or more sorts, but here three varieties supply the popular demand, viz., Van der Cruyssen, Bern-

bard Andreas alba and Verveneana, with a limited sale for Empress of India, Prof. Wolters, Dr. Moore, Niobe, Apollo, Simon Mardner, Hermione, Dame Melane—the latter a delicate pink single variety, a profuse bloomer—and perhaps a few others. There are two other varieties that are worthy of special mention, namley, Prince Albert and Emperor of Brazil. These are both very beautiful sorts, but they are late varieties and should be put into heat about four weeks earlier than most azaleas. Prince Albert is particularly late if given ordinary treatment, but with more heat it comes nicely into bloom for Easter and is very pretty. New York Favorite is the name given to a pink one put on the market this year, which is of a pleasing color, but has a defect in that the flowers droop somewhat. It is said by some authorities that it is an old variety renamed. We find that most of these varieties, notably Beruhard Andreas alba, Verveneana and Dr. Moore, are vastly improved by keeping over one Summer, in this country, provided they are mulched with cow manure and watered freely and regularly every day all Summer. By this treatment they flower more profusely and keep longer in bloom than the freshly imported ones; but it is imperative that they receive constant, careful attention, with plenty of water, all Summer.

The greatest defect in the cultivation of azaleas is, to my mind, the unnatural shapes in which they are compelled to grow. They are mostly sheared off level to look like the surface of a table, or are pruned into a somewhat semi-circular shape, one branch not being allowed to project over another and the surface being almost flat. They remind you of the bouquets made 30 years ago, which were similarly stiff and rigid, and totally devoid of graceful outline. How is it that flower buyers reject altogether the old-fashioned flat bouquet, demanding their cut flowers to be loosely and gracefully arranged, but still accept the azaleas grown in this ugly, stiff way? But there are already here and there murmurs of discontent, and I predict that in a few years the public will demand azaleas more naturally and gracefully grown. It is a fact that some of the Belgian growers have for several years grown azaleas in natural and graceful fashion, particularly for the Paris market. We had at our price, this year, a few plants of the latter kind, and intend to grow for next year several thousands of them, feeling sure they will find ready sale.

Probably the next plant in Easter importance is the hydrangea. My experience is that the best results are obtained by growing the plants plunged in pots, out-of-doors, all Summer. The treatment for growing and forcing hydrangeas has been so often explained in the trade papers that I will not now detain you with details.

Perhaps the next plant in importance is the Crimson Rambler, a comparatively new comer, having been introduced only six years ago, and last year being the first that it was grown in quantity. When well grown it is a grand Easter plant and has sold readily at fairly remunerative prices. It is very desirable as a small plant in, say, a 6-inch pot, selling at $1 to $1.50 wholesale, up to large specimens at $5, $7 and $10 each, and a few can be sold at as high as $15 wholesale; but the demand in Philadelphia for these larger sizes is very light. New York is a better market for big ones. In some of the fashionable stores there they can hardly get them large enough. It has better keeping qualities, as an Easter plant, than any rose I know of.

The next best rose for Easter, when well done, is our old friend Magna Charta. Take it all in all it is the finest hybrid rose we have for this particular purpose.

It has occurred to me, in the cases of the hydrangeas and the Rambler roses particularly, that it would be a good idea to attach to each plant sold a card with an inscription upon it like this: "This plant should be soaked with water twice a day while in bloom." This would prevent much dissatisfaction from the wilting of the plants, which is sure to occur in the dry rooms of dwellings and in churches if the plants are not frequently watered. Some years ago one of our best and most practical uptown florists sent with each hydrangea sold a tin saucer with instructions to keep it filled with water and also to put a similar pan under each hydrangea used in church decoration. This is a practice worthy of general adoption.

I have named the four principal Easter pot plants, and will now briefly mention some of those next in importance. The genista, with its pure, bright yellow flowers, is desirable, and, if well grown, much in demand. Of the two varieties, Racemosa and Canariensis, the former is the better.

Astilbe is also a very useful and not costly plant. Astilboides grandiflora has superseded the old A. japonica, and A. compacta is still grown to a limited extent.

Heaths are yearly becoming more popular. All the varieties are beautiful and dainty, the Cupressiana particularly so.

Acacia paradoxa is also desirable in limited quantity. It does not flower very well in Fall imported plants; it blooms more profusely and with finer flowers when imported in the Spring and grown outdoors, in the full sun, all Summer. They should be wintered in a cool greenhouse and should, like heaths, be grown with the pots standing on a damp, cool surface all Winter.

Boronias, with their exceeding grace of delicate form and dainty flowers, have been introduced by several growers in New York and have been quite popular.

I have named, I think, most of the desirable Easter plants and will conclude by brief mention of bulbous plants which are grown in considerable quantities in pots and in shallow pans. Hyacinths, tulips and Narcissus Von Sion are seen in greatest quantity. Hyacinths, this year, have been most unsatisfactory to the grower, because of the poor condition of the hyacinths received from Holland; as a rule they were of inferior quality, particularly La Grandesse, the best white, and Czar Peter, the best blue. I am informed by the Holland growers that these two famous varieties are afflicted with disease and that some of the other varieties of lesser note are becoming constitutionally weak and therefore unsatisfactory to grow. The Hollanders have not learned how to prevent the hyacinth disease, but they might be more careful in sending over their tulips. We have noticed this year, for instance, in our batch of Coleur de Cardinal, a good sprinkling of some inferior, cheap, red sort. This might have been accidental, but it is certainly strange, if these mistakes be purely accidental, that we never find any high-priced tulips among the cheaper sorts. The culture of bulbs is so simple and now so well understood that I will not detain you longer. I may mention that we find it necessary to have but few hyacinths in bloom early in the week preceding Easter, as the general demand comes only as late as Friday or Saturday. We find it best, therefore, to have the hyacinths showing color not earlier than Thursday. When "just right" they meet with a ready sale on Saturday.

St. Louis.

Trade Notes.

Business the past week has been rather quiet, with stock receipts far too heavy for the demand. Prices are very low with considerable stock going to waste. Carnations bring 75c. per 100; roses, best, 4c., and everything else in proportion. Admiral Dewey paid our city a visit this week, which helped out those fortunate enough to get the decorating and flower orders for the various occasions, which were quite numerous and elaborate. Outside of this trade was slow among the retailers.

Plants are being handled in great quantities, the season now being at its height. Prices do not seem to have advanced in proportion to the cost of other things, as compared with values of a year or two ago. We are of the opinion that we should now get considerably more money for our product, as everything we buy costs more. We believe everything could be sold with at least a 25 per cent. advance. Geraniums will likely be short before the season is over; indications seem to point that way. Pansies have had a good run; the quality is not of the best, however. It seems very hard to get a real good strain of pansy seed.

Jottings.

This section, which was getting quite dry, was greatly benefited by a fine rain Tuesday night. The storm was quite severe, with some hail, but not enough to do any damage.

Phil. Hanswirth, of Chicago, is attending a convention of the Red Men, held at East St. Louis, and makes this side his headquarters.

H. Johan, of Collinsville, Ill., was a recent visitor. C. C. S.

Rochester, N. Y.

Frank S. Payne, seized with sudden mental derangement, took his own life on the 6th inst. Mr. Payne was formerly an employee of the late James Vick. For a number of years he had been in business near Barnard Crossing, and was well known to every one connected with floriculture about Rochester. Happy in his domestic relations, prosperous in business, genial in disposition and buoyant in temperament, Mr. Payne's friends were profoundly shocked by his rash act.

April 23 a hailstorm skirted the city on the southwest—a strip from one to two miles wide was covered with hail to a depth of from one to several inches. Little glass was broken but early plantings were destroyed, and in some places much damage was done to fruit buds. May 7 the temperature fell to 26 degrees.

The backward season has helped out sales of greenhouse products and retailers all report an unusually good Spring trade. Prices are firm, and stocks well cleared up each week.

G. A., JR.

St. Paul.

Trade Notes.

The season here is one of the earliest on record, and vegetation of all kinds is well advanced. Hard frosts May 3 and 4 did considerable damage to tender stock outside.

Trade has been very good. Easter sales were the largest in the history of the business here, being nearly 30 per cent. ahead of last year. Stock was in fine shape, and everything sold well, both in plants and cut flowers. Carnations were scarce and hard to obtain at any figure. Roses were quite plentiful and of good quality; violets, abundant and in good demand. As usual, some stock was belated and did not get in bloom in time. A few days after Easter lilies were very plentiful, while for that occasion they were all cleaned out. Some choice Rambler roses have also been seen since, but they were very scarce for the holiday.

Lilies seem to grow more popular each season; roses are always in good demand; hydrangeas, well grown, also meet with ready sales, and spiræas always sell at a good figure. Bulbous stock is growing poorer each year, and is no longer a favorite seller. But few plant novelties for Easter blooming are seen in this section, and as long as the old tried and true varieties above mentioned are in favor there is no occasion for the introduction of newer ones. In short, good stock, well grown, will always command a good price, whether it be well known or a novelty. If the growers would only realize this and not be continually reaching out for untried novelties the balance would oftener be on the right side of the ledger.

News Jottings.

Christ Hansen met with a very serious loss a few months since by the leaking of a gas main in front of his premises. Several thousand plants were destroyed, and his loss will amount to thousands of dollars, for which he hopes to make the gas company pay.

R. C. Seeger is very busy building and expects to have his new range completed soon. He has planted 500 Liberty roses, and will put in a house of Beauty, several houses to Bridesmaid, Bride and Meteor, and others to fancy carnations. Mr. Seeger has gained a reputation in this section second to none for growing choice stock.

Pansies, geraniums and other bedding stock are making their appearance, and seem to be in good demand. Owing to the lateness of Easter this class of stock was delayed and neglected, but the bright weather since has brought everything along in fine shape.

Stock is fairly abundant, though an unusual amount of funeral work last week cleaned out everything in white.

Our local society seems to have died peacefully—more's the pity, for a strong, local association is the greatest benefit that the trade can receive.

Rain is needed badly for outside stock. Carnations that were planted before the frost were very badly nipped.

Decoration Day will be the next busy season for retailers and growers. We look for a very heavy trade for that occasion.

Travelers have been very numerous this season, the latest arrivals being C. S. Ford, Jr., of New York, and Mr. Hemer, representing J. C. Vaughan, Chicago. VERITAS.

Ottawa.

The Recent Fire and Trade.

Our big fire has taken up so much attention that floriculture has been in the background for some time. The magnitude of the fire has to be seen to be realized, and even then it is almost impossible to think that in a few hours such a large area, thickly covered with buildings, could be so completely stripped of everything. Directly no florist suffered, but indirectly they will be considerable losers, from the fact that some of the finest residences and grounds were in the fire belt; and as so many houses were destroyed the demand for Spring bedding plants will be lessened. But the liberality of the world at large will do much to place Ottawa in its late prosperous condition again. We have been having some very annoying nights lately—just enough frost to keep outside operations at a standstill. The general stock of bedding plants round the city is plentiful and first-class. Pansies out all Winter are now in flower and on the market.

Roses and carnations are plentiful and keeping their price, owing to a run of funeral work.

C. Scrim, as Park Commissioner and general manager, is making and planning great changes in our parks.

E.

Montreal.

Trade Notes.

There has been very little life in business the past few weeks, its only redeeming feature being the continued demand for funeral work. Flowers of all sorts, with the exception of carnations, which are still very scarce, are abundant for all demands. Sweet peas have made their appearance in quantity, and of fine quality. Lilies are still in good supply; there is no demand for them as pot plants, but for other purposes they come in very handy, and, so far, few have been lost. With the arrival of a spell of warm weather we began to think of putting some of the hardier plants outside; we are now, however, experiencing a cold wave, with snow flurries and heavy frosts at night that have caused us to abandon that idea.

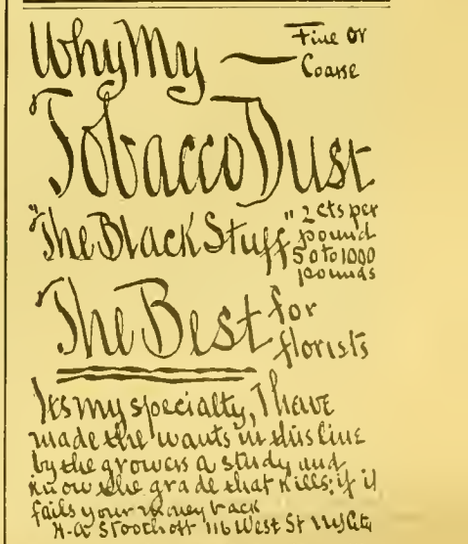
Notes.

George Hopton is getting his place in running order again. He has a couple of houses filled with fine bedding plants brought from the old late St. Paul place, and has just finished planting a house of roses.

Martin & Son have concluded a contract with the Canadian Pacific Railway Co., and in future will supply plants and flowers on all dining cars leaving this city.

A New Park Superintendent.

Several of the practical men in this vicinity made application for the position of park superintendent. For one cause or another they were all passed aside, our aldermen evidently thinking that anyone with the practical knowledge of the business was not needed for beautiful old Mount Royal. The recommendation of the Park Committee was E. J. Chambers, a journalist, but the superintendent appointed is W. J. Henderson, who up to his appointment was a commercial traveler. And this is a reform Council! B.



THESE ARE MONEY MAKERS!!

ABOUT 750

CALLAS

in new 8 inch pots, they are grand bulbs and will be sold cheap cheap. Write or call and see them.

R. E. EDE, Parkville, Brooklyn,

Coney Island Avenue.

Mention the Florists' Exchange when writing.

Plants and Rooted Cuttings

LOW PRICES FOR CASH.

SALVIA, Splendens and Bonfire;
HELIOTROPE;
LOBELIA, dwarf and trailing;
FEVERFEW, Dwarf Gem;
PARIS DAISY, Giant;
ALYSSUM, Double Giant;

Each of the above, $1.00 per 100, by mail; $8.00 per 1000, by express. Potted plants, $1.50 per 100.

RUDBECKIA, Golden Glow, $2.00 per 100.
CANNA, Austria and Crozy, strong, $2.00 per 100.
VERBENAS, 75 cts. per 100; extra fine pot plants, $2.00 per 100.
GERMAN, or **PARLOR IVY**, $1.00 per 100.
BEGONIA VERNON, 60 cts. per 100.
ORANGE, Dwarf Otahelte, 4 and 5 in. pots, in lots of 10 or over, 10 cts. each.
ASPIDISTRA, Green and Var., strong roots, 10 cts. per plant.
DAY LILY, white, hardy, 5 cts.
DOUBLE PETUNIAS, 4 in. pots, extra fine, $7.00 per 100.
FUCHSIAS, 4 and 5 in. pots, $7.00 per 100.
GERANIUMS, 4 in., in bud and bloom, $5 per 100; Silver Leaf, Mt. Snow, 3 in., $3.00 per 100.
ABUTILON, trailing, 4 in. pots, 60 cts. per doz.
PARIS DAISY, 3½ and 4 in., $4.00 per 100.

All of above 6 articles, in bud and bloom, make excellent stock for spring sales.

HYDRANGEAS, in bud, in 5 in. pots, 15 cts.; 4 in., 10 cts. each.

ORANGE FLORAL CO., West Orange, N. J.

Mention the Florists' Exchange when writing.

GERANIUMS

Finest varieties, mixed, 3 in. stocky plants, at $5.00 per 100.

	Per 100
Roses, Bridesmaid, 2 in.	$2 50
Cobæa Scandeos, 2½ in	2.00
Rudbeckia, Golden Glow, 2½ in.	2.50
Abutilon, Souv. de Boun, 3 in.	4.00
Feverfew, Little Gem, 3 in.	3.75
Dusty Miller (Gym.), 3 in.	2.50
Cigar Plant, 3 in.	3.00
Verbenas (Mammoth), 2 in.	1.50
Caladium Esculentum, 5 in.	5.00

A BARGAIN IN SURPLUS BULBS.

	Per 100
Caladium Esculentum—	
Small size	$1.25
Medium	2.10
Extra large	4.00
Tuberose Bulbs—	
Excelsior Dwarf Pearl, A No. 1 stock, 75 cts. per 100; $6.00 per 1000.	

SWEET PEA SEED.

Very best quality, mixed, per lb., 20 cts.; 6 lbs. for $1.00. N. Y. express

SATISFACTION GUARANTEED.

Cash with order.

GEO. L. MILLER, Newark, Ohio.

Mention the Florists' Exchange when writing.

FIRST-CLASS STOCK

	Doz.	100
Ageratum, Cope's Pet, 2½ in. pots	$0.50	$2.50
Alyssum, Giant Double, 2½ pots	.50	2.50
Begonias, assorted, 2½ in. pots.	.60	4.00
Cannas—		
Chas. Henderson, 3 in. pots	.60	3.50
Austria, 3 in. pots	.60	3.50
Italia, 3 in. pots	.60	3.50
Coleus—		
Golden Bedder, 2½ in. pots	.50	2.00
Verschaffeltii, 2½ in. pots	.50	2.00
Dracæna Indivisa—		
4 in. pots, very strong	2.25	18.00
5 " " "	3.50	25.00
6 " " "	4.00	30.00
German Ivy, 2½ in. pots	.50	2.00
Hedera Helix (English Ivy), 2½ in. pots	.50	3.00
Maranta Bicolor, 2½ in. pots	.75	5.00
Salvia Splendens, Bonfire, flats	.50	2.00
Swainsona Galegifolia Alba, 2½ in. pots	.60	4.00
Pandanus Veitchii—		
2½ in. pots	3.00	25.00
8 in. high, 5 in. pots	7.50	60.00
15 in. high, 8 in. pots	12.00	

N. B.—All orders amounting to $5.00 and over are forwarded F. O. B. New York City. Orders from unknown correspondents are sent C. O. D.

SEAWANHAKA GREENHOUSES,

P. O. Box 34, OYSTER BAY, L. I.

JAS. C. CLARK, Supt. W. L. SWAN, Prop.

Mention the Florists' Exchange when writing.

GOOD STOCK

	Per 100
5000 **Geraniums**, our selection, 4 in.	$8.00
4000 **Obconica Primula**, 4 in.	6 00
5000 **Alternantheras**, large leaved, 2½ in.	2 00
2000 **Fuchsias**, choice mixed, 2½ in.	2.00
500 **Vinca**, variegated, trailing, 7 in.	20.00
1000 **Hydrangea**, Dr. Hogg, 5 in.	15 00
2000 **Hagonias**, flowering, our selection, 2½ in.	1.50
5000 **Petunias**, double mixed, 4 in.	6.00
1000 **True Maiden Hair Fern**, 2½ in.	4.00
500 **Dracæna Indivisa**, 6 in.	15.00

THE MORRIS FLORAL CO., Morris, Ill.

VERBENA KING.



Verbenas, rooted cuttings, 60c. per 100; $5.00 per 1000; $22.00 per 5000. 2 in. fine plants, $2.00 per 100; $18.00 per 1000.

Ageratum, Lady Isabel and Cope's Pet, 60c. per 100; $5.00 per 1000.

60,000 Carnations

Special low prices to move them quick.

	100	1000
Flora Hill	$1 25	$10.00
Morello	1 25	10.00
M'y'r Pingree	1.25	10.00
Daybreak	1.25	10.00
Wm. Scott	1.00	7 00
McGowan	1.00	7.00

30,000 Violet, runners, California, $1.00 per 100; $8.00 per 1000.

20,000 Smilax, fine 2 inch plants, $1.25 per 100; $10.00 per 1000.

Dalsies, California and Yellow Castle, $1.00 per 100; $9.00 per 1000; 2 inch, $2.00 per 100.

Heliotrope, 10 best varieties, $1.00 per 100; $8.00 per 1000. Fine 2 inch plants, $2.00 per 100; $18.00 per 1000.

Express paid on all rooted cuttings and satisfaction guaranteed; for that cash, please.

C. HUMFELD.

CLAY CENTRE, KANSAS.

Mention the Florists' Exchange when writing.

GERANIUMS and VINCAS

QUEEN OF THE WEST } Extra good, 4 inch
BRUANT, GEN. GRANT } pots, $7.00 a 100

VINCAS Very strong and heavy, $1.50 per doz.; $10 00 per 100.

Cash please. Carnation cuttings all sold.

GEO. A. RACKHAM, 880 Van Dyke Avenue, DETROIT, MICH.

Mention the Florists' Exchange when writing.

Fine Stocky Plants

	Per 100
ALTERNANTHERAS, yellow, $1.50; red	$1 75
OXALIS FLORIBUNDA, fine for vases	1 50
COLEUS, good assortment, 2x2½ in. pots	2 00
GERANIUMS 12 vars., fine plants, 2½ in. pots	2 75
" " " 3 "	3 75
CENTAUREA GYMNOCARPA, 2 in. pots	2 00
ASPARAGUS SPRENGERI, May 15th	3 50
ASPARAGUS PLUMOSUS NANUS, June 1st	4 00
PRIMULAS, 5 vars., July 1st	2 00
SMILAX, 2 in. pots, May 15th, per 1000, $8.00	1 00

CASH, PLEASE.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Mention the Florists' Exchange when writing.

SURPLUS STOCK

200 **Seedlings of Mme. Crozy**, 3 inch	100 $4.00
200 **Merry Christmas 'Mums**, 2½ inch	2 00
300 **Geraniums**, 3 inch, Gen. Grant.	3.00
500 **Geraniums**, 2½ inch; varieties, S. A. Nutt, Gen. Grant, Centaur, etc., in bloom	2.00
400 **Heliotrope**, 2½ inch	2 00
500 **Coleus**, assorted colors	2.00
500 **Alternantbera**, red and yellow, strong	1.50
100 **Rudbeckia, Golden Glow**, 2 inch	2.00
200 **Cobæa Scandens**, 2½ inch,	2 00
Baby Primrose, 2½ inch pots	2 00
" " from flats	1 50
Smilax plants, from flats	1.00

CASH WITH ORDER.

WM. KEIR, Pikesville, Md.

Mention the Florists' Exchange when writing.

CANNAS

The THREE BEST Solid Red CANNAS: BLACK PRINCE, $10.00 per 100; PHILADELPHIA, $4.00 a 100; DUKE OF MARLBOROUGH, $4.00 a 100.

BOSTON FERN Strong, 2½ inch, $5.00 per 100.

YELLOW RAMBLER } TWO YEAR,
PINK RAMBLER } $8.00 per 100

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

NEPHROLEPIS WASHINGTONIENSIS

Now is the time to start this giant among the Nephrolepi ferns; with proper treatment it will make fronds in one summer 5 to 6 feet long by 12 to 15 inches broad. They are very durable. The variety "erecta," five young plants, for $1.00, free by mail; 4 inch pot plants, 50 cts. each; larger ones from $1 to $5 each.

BEDDING PLANTS **ROSES—Bride, Maid, C. Cook, Golden Gate,** for early planting or bedding out, fine healthy plants, from 3 in. pots, $5.00 per 100; from 4 in. pots, $7 00 per 100; from 5 in. pots, $15.00 per 100. **Am. Beauty** and **Hybrid Roses**, from 3 in. pots, $7.00 per 100. **Climbing Roses**, from 3 in. pots, $6.00 per 100. Other varieties in good mixture, same price.

Geraniums in variety, $7.00 per 100, from 4 inch pots; $3.00 per 100, from 2¼ inch pots. **Ageratum** (blue), **Cigar Plants, Scarlet Sage, Sweet Alyssum, Verbenas, Carnations, Hardy** and **China Pinks, Lobelias, Ivies, Coleus, Alternantheras**, from 2¼ inch pots, $2.50 per 100. **Dahlias** and **Cannas**, from benches, strong rooted plants, in variety, $5.00 per 100. Seedlings of Annuals and Perennials, $1.50 per 100. ALL FOR CASH. 25 AT 100 RATES.

DECORATION AND FOLIAGE PLANTS Large, medium and young plants of **Palms, Ferns, Dracæuas, Marantas, Dieffenbachias, Pandanus Utilis, Anthuriums, Clerodendrons, Allamandas, Stephanotis, Cissus, Ruellias, Jessamines, Cyperus**, Etc.

Please state what you wish, and I will quote you lowest prices, as I issue no catalogue.

N. STUDER, Anacostia, D. C.

Mention the Florists' Exchange when writing.

NORTHERN FLORISTS

Who have never had direct shipments of

CAPE JESSAMINE BUDS

From us should try at least a small shipment this year.

We have 2000 customers at Points North of Mason and Dixon Line.

Give us sufficient time on Decoration Day Orders.

SEASON: (GRANDIFLORA) May 8th to June 5th.

SUPPLY: Ample to fill all orders.

QUALITY: Guaranteed equal to or better than any other stock available at this date.

GUARANTEE: Fresh and fragrant condition on arrival at destination at any Express point in U. S. or Canada.

EXPRESS RATE: 20 per cent. less than cut flower rates and in some instances even more favorable.

PRICES: **75 cts. per 100; $6.50 per 1000.** 500 at 1000 rate.

Alvin is the largest Cape Jessamine Shipping Point in the World.

C. W. BENSON, Alvin, Tex.

Mention the Florists' Exchange when writing.

Last Call on HARDY PINKS

Only a few thousand left at a reduced rate. Strong cuttings from cold frames that can be lined out in open, 60 cts. per 100, postpaid; $5.00 per 1000.

Her Majesty, Alba Flmbriata, Earl of Carlisle, Brunette, May, and Laura Wilner, in quantity.

Double Petunias Strong stocky plants, from 2 in. pots, best sorts labeled, a large proportion of white and light varieties, $2 50 per 100. $22.50 per 1000.

Madeira Vine Roots Strong, plump tubers, 50 cts. per 100; $4.00 per 1000

Clematis Paniculata Strong, transplanted plants from flats, ready to line out in nursery rows, $2.00 per 100; $18.00 per 1000.

SATISFACTION GUARANTEED.

A. B. DAVIS & SON, Purcellville, Va.

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Can You Make Use of

	Per 100
Stocks, Double White, good value	$2 00
Mignonette Machet, strong, 2 in.	1 50
Solanum Capsicastum, 2 in.	1 50
Smilax, strong, 2 in.	1 25
Browallia Speciosa Major, 2 in.	1 00
Carax var., strong, fine for vases, 2½ in.	3 00
Boston Ferns, fine young stock, 2½ in.	5 00
Ipomœa, Blue, strong plants, 2 in.	3 00
Ficus, Long Leaved, 3 to 4 shoots	20 00
Aspidistra, to grow on. 100 leaves	4 50
Asparagus Sprengeri, 2 in.	2 00
Vinca, Trailing, strong, 4 in.	8 00

A. G. FEHR, Belleville, Ill.

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DOUBLE NASTURTIUM

A VERY striking, double flowering, trailing plant, especially adapted for vases, window boxes, hanging baskets, rustic boxes, rock work; any place where trailing plants can be used it is indispensable. A free and vigorous grower, and continues to bloom the entire summer; the flowers are 3 inches or more in diameter, and are perfectly double; of a bright yellow, with a rich crimson feathered blotch at the base of each petal. The lovely shade of yellow gives them a charm that few flowers possess, and for cut-flowers, where yellow is wanted, they have no equal.

Strong plants, from 2¼ in. pots, $4.00 per 100; $35.00 per 1000.

CHAS. LIMMER, - Cobleskill, N. Y.

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GERANIUMS.

S. A. Nutt,

Fine stock from 2½ inch pots, ready to shift into 4's,

$3.50 per 100.

VIOLETS.

Princess of Wales.

Strong bench struck cuttings.

$1.00 per 100.

NATHAN SMITH & SON, Adrian, Mich.

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A Few Good Things You Want

Asparagus Plumosus, 3 in., $8.00 per 100. **Rex Begonia**, 3 in., mixed, $4.00 per 100. **Marguerite Daisy**, large flowering white, 2 in., $3.00 per 100. **Nephrolepis Cordata Compacta** and **Boston Fern**, 2 in., $4.00 a 100. **Kentia Belmoreana** and **Forsteriana**, 4 in., nice plants, 40c. each; 3 in., 20 cts. each.

GERANIUMS Bonnatt, Single and Double Grant, Rev. Atkinson, Mrs. E. G. Hill and S. A. Nutt, 3 in., $5.00 per 100.

DRACÆNA INDIVISA 3 in., $5.00 per 100.

ENGLISH IVY and **Ampelopsis Veitchii**, 2 in., $3 00 per 100.

CAMPBELL VIOLETS, Rooted runners, 50 cts. per 100.

COLEUS Rooted cuttings, 60c. per 100; 2 in., $2.00 per 100.

SALVIA **Clara Bedman**, best variety, 2 in., $2.00 per 100.

VINCA VAR. 2 in., $3.00 per 100; 3 in., $5.00 per 100.

AGERATUM Blue and white, 2 in., $2.00 per 100.

SMILAX 2 in., $2.00 per 100.

BRIDESMAID ROSE 3 in., $5.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

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Jackman's New Hybrid Coccinea Clematis



HYBRID CLEMATIS DUCHESS OF YORK.

We have been appointed Sole Agents for the United States and Canada by Messrs. Jackman & Sons.

An entirely new and distinct type, being crossed between Clematis Coccinea and Star of India, both of which succeed well in our climate. They combine all the good points of their parents in hardiness, vigorous growth and freedom of bloom, which, together with their entirely distinct coloring and novel shape will make them valuable additions to our list of Hardy Climbers

Countess of Onslow.—A bright violet-purple with a broad band of scarlet down the center of each petal; it is of open bell-shape form, with four to six petals to each flower; very useful for decorative purposes, as when cut will keep fresh in water for several days. **$1.25** each.

Duchess of Albany.—A beautiful bright pink, deeper down the center, softening down to lilac pink round the margin; campanulate in shape, useful for cutting. **$1.25** each.

Duchess of York.—A delicate and pleasing shade of pale pink, with a deeper tinge down the center of each petal, of campanulate form, with four to six petals to each bloom, useful for cutting. **$1.25** each.

Grace Darling.—A delicate hue of bright rosy carmine, star-shaped blooms. **$1.50.**

The Set of Four Varieties, One of Each, $5.00.

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20,000 ASTERS

Semple's, Truffants and Victoria, 4 colors each; Vicks Branching and Daybreak;

250 by mail, $1.00; per 1000, $3.00.

Fuchsias, in variety, 3 inch	$4 00
Abutilons, in variety, 2 inch	2 50
Baby Primrose, 2 inch, strong	3 00
Antirrhinum, Giant White, 2 in	2 00
Lobella, Crystal Palace Gem, 2 in	2 00
Phlox Drummondi, 4 colors, 2 in	1 50
Mara Geranium, strong, r. c.	2 00

Cash With Order, Please.

GEORGE J. HUGHES, - Berlin, N. J.

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MAURANDYA VINE!

Rosea and Alba, just what you want for baskets and vases, 3 cts.

ALTERNANTHERAS, R. Nana, A. Nana, P. Major, 2½ cts.; R. C., 60 cts. per 100; $5 00 per 1000.
GERANIUMS, Sallerol, Mrs. Taylor, Walnut and Rose, 2½ cts.
VINCA MAJOR, white leaf, 2¼ in., 2½ cts.
BEGONIAS, in variety, 2½ cts.
TRAILING LANTANA, 2½ cts.
GNAPHALIUM, fine for baskets, etc., 2½ cts.
ACHYRANTHES, 2½ cts.
COLEUS, Beckwith Gem, Queen of West and other varieties, 2 cts.
TRADESCANTIA Multicolor, 2 cts.
GIANT SWEET ALYSSUM, 2 cts.

CASH, PLEASE.

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FOR SALE.

Stock grown for a private gentleman's place; the owner going to Europe will dispose of them cheap for cash with order.

1200 GERANIUM MRS. SIMMONS,
500 DOUBLE GRANT,
} Fine, strong plants, in 4 inch pots, $6.00 per 100.

The CANNAS consist of

MME. CROZY, WHITE FLAG, ITALIA, CHAS. HENDERSON, QUEEN CHARLOTTE, J. D. CABOS, GOLDEN QUEEN and SUNSET GLOW.

All well established in pots, $4.00 per 100.

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SPECIAL OFFER FOR IMMEDIATE ORDERS. VERY STRONG AND FINE, OUT OF 3½ INCH POTS, IN BUD AND BLOOM, $3.00 PER 100.

ABUTILON, 3 varieties, and **SAVITZII.**
HELIOTROPES, 3 varieties, large flowering.
FUCHSIA PROCUMBENS, Choice plant for baskets, etc. Strong vines.
LOBELIA, Emperor William. The very finest dwarf blue.
LANTANAS, pink, white and yellow.
VERBENAS, Mammoths, fine, in mixture.
AGERATUM, Blue Perfection, 2½ in. pots, in bud, $1.50 a 100.
PANSIES Large flowering, very fine, in bloom, $1.50 per 100. Strictly cash prices. Extras added liberally.

The Home of Primroses, JOHN F. RUPP, Shiremanstown, Pa.

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COLEUS

Crimson Verschaffeltii, Golden Queen and Golden Bedder	100 $0.75	1000 $6.00
Coleus, in variety	.60	5.00
Ageratum, blue and white	.60	
" Princess Pauline	.75	
Giant Alyssum	.60	
Variegated Alyssum	.75	
Double Petunias	1.25	
Salvia Splendens and **Bedman**	1.00	
Heliotropes, 12 varieties	1.00	
" 2 inch pots	2.00	
Alternantheras, A. Nana, from soil	.60	5 00
Pansy Plants, in bud and bloom	1.00	8.00
Geraniums, 2 in. pots, $2 50; 3 in. pots, $3 50 per 100.		

Cuttings by the 100, by mail, prepaid. Rooted cuttings except where noted. Cash with order.

C. A HARRIS & CO., DELANSON, N Y

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PERSICUM SPLENDENS GIGANTEUM. Finest strain in the world. Now ready to ship a splendid stock of plants, in four separate colors, from flats transplanted, $3.00 per 100, $25 per 1000; from 2 in. pots, $4 00 per 100, $35.00 per 1000; from 2½ in. pots, $5.00 per 100, $40 00 per 1000.

PELARGONIUMS. Mme. Thibaut, Victor, Dr. Masters, Fred Dorner, Mrs. Sandiford, from 2 in. pots, $1 00 per doz., $8.00 per 100. Guaranteed strictly first class stock.

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VINCAS AND LEMON VERBENAS FINE STOCK

VINCAS, 3 in., $6.00 per 100; 3½ in., $8.00 per 100; 4 in., $10.00 per 100; 5 in., $15.00 per 100.
LEMON VERBENAS, $3.00, $4.00 and $6.00 per 100.

	Per 100
Abutilon Var., trailing, 2¼ in	$4.00
Alternantheras, 2¼ in	2.50
Anthericum, 3 in	6.00
BEGONIAS—	
Rex, 4 inch	10.00
" assorted, 2¼ in	4.00
" named, 2¼ in	6.00
Coleus, 2¼ in	3 00
Dracæna Indivisa, extra fine, 3 in	10.00
3½ in	15.00
4 in	25.00
5 in	$35.00 to 50.00

	Per 100
Fragrant Calla, 2¼ in.,	1.50 per doz.
	Per 100
Forget-Me-Not (Winter Flowering) 2¼ in	$4.00
Fuchsias, 2¼ in	4.00
GERANIUMS—	
Mars. Excellent plants	8.00
Ivy Leaved, 2¼	4.00
S. A. Nutt, 2¼ in	6.00
" 3 in	8.00
La Favorite, 3 in	6.00
Silver Leaf, 2¼ in	4.00

	Per 100
Mignonette, 2 in	$2.00
Manettia Bicolor, 2¼ in.	4.00
Palm Washingtonia Filifera, 2¼ in	4.00
Pansy Plants, in bud and bloom	2.00
Pansy Plants, $8 a 1000.	1.00
" " $5 a 1000.	.60
Salvia, 2¼ in	3.00
" 3½ in	6.00
Single Petunias, 2¼ in	3.00
" " 3 in	5.00
Vinca, 2¼ in	3.00

100,000 CUTTINGS.

	Per 100
Achyranthes	$1.00
Alternantheras, red and yellow, $5 per 1000,	.60
Ageratum blue and white,	1.00
" Princess Pauline,	1.25
Alyssum, Double Giant,	1.00
Begonia Erfordii	2.00
" Rex	2.00
" Inc. Gigantea	2.00
COLEUS—	
Fancy and large leaf	1.00
Verschaffeltii, yellow and selected kinds, $7 a 1000,	.80
Mixed colors, $5 per 1000,	0.60
Forget-Me-Not (Winter Flowering)	2.00

	Per 100
GERANIUMS—	
Named	$2.00
Mixed	1.50
Mrs. Parker (Double Pink) Silver Leaf	4.00
Silver Leaf, Rose Scented	1.50
Mme. Salleroi	1.25
Double New Life	4.00
Mrs. Pollock and Happy Thought	2 00
Bronze	2.00
Mars, Freak of Nature	3.00
Mme. Bruant	2.50
Fuchsias, assorted	1.50
" Sue Ray (variegated)	4 00
Fuchsias, Trailing Queen	1.50

	Per 100
German Ivy	$1.25
Heliotrope, purple and white	1.25
Impatiens Sultani	2.00
Lantana, trailing	2.00
Lemon Verbena	1.50
Lobella	1.00
Manettia Bicolor	2.00
Tradescantia Tricolor	2.00
Salvia	1.25
Stevia Var	1.50
Verbenas, $7.00 per 1000,	.75
Vinca Var., extra strong	1.50
Anthemis Coronaria (Double yellow Marguerite)	2.00

Terms, Cash or C. O. D. **GREENE & UNDERHILL, Watertown, N.Y.**

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OVER 100,000 OF THEM!



Large Assortment, Suitable for Planting, at Remarkably Low Prices. Prices Rated Per 100.

THE FOLLOWING OUT OF 4 INCH POTS:

AGERATUM, blue $7.00
BEGONIA VERNON 8.00
CALENDULAS (Prince of Orange) 6.00
CANDYTUFT, 3 in. and 4 in. pots 7.00
COBÆA SCANDENS, nice plants, 2½ in 5.00
Fine plants, 2½ feet long, 8.00
CYPERUS, 4 in., per doz $1.00
DRACÆNA INDIVISA, 6 in. pots, each ..... 25c.
GERANIUMS, Le Pilote (double red), **Mme. Thibaut** (pink), and other good varieties, per 100, $6.00 and $7.00
ROSE GERANIUMS $7.00
HELIOTROPE 7.00
MOON VINES (Ipomœa Noctiflora), Staked up, 2½ in pots 6.00
" " 4 in. pots 8.00
TEN-WEEKS STOCKS, 4 in. pots 7.00

THE FOLLOWING PLANTS FROM 2¼ AND 3 INCH POTS:

ALTERNANTHERAS, red and yellow $3.00
ALYSSUM (Little Gem) 3.00
COLEUS (Best mixed colors), 3 in. pots 5.00
2 and 2½ in. pots 3.00
CUPHEA 4.00
FUCHSIAS (in varieties) 5.00
PYRETHRUM PARTHENIUM (Golden Feverfew) 3.00
KENILWORTH and PARLOR IVY 3.00
PETUNIAS (single) 3.00
PHLOX DRUMMONDI 3.00
THUNBERGIA (Black-eyed Susan), 2½ in pots 3.00
3 in pots, staked up 5.00

I have an immense quantity of the finest **VERBENAS,** best varieties, in bud, at **$3.00** per 100.

HARDY CLEMATIS I have a fine stock of the best varieties and leading colors, such as: **Bangholme Belle,** pure white; **Duchess of Edinburg,** double white; **Lucie Lemoine,** white, rosette-shaped; **Fairy Queen,** pale flesh, pink bar; **Gypsy Queen,** rich dark velvety purple; **Jackmanni,** violet purple; **Anderson Henryi,** single white; **Boskoop Seedling,** large lavender; **Kermesina** and **Madame Louise,** and many others. Clematis, 3 years old, 35c. each; second size, 30c.; 2 years old, 25c. each.

THE NEW SPIRÆA PALMATA (red), 25c. each.

ARISTROLOCHIA SIPHO (Dutchman's Pipe), 7 inch pots, large plants, 5 to 6 feet high, 50c. each.

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...Wholesale Prices of Cut Flowers...

Names and Varieties	New York May 11, 1900	Boston May 3, 1900	Philadelphia May 9, 1900	Baltimore May 9, 1900	Buffalo May 9, 1900
A. BEAUTY, fancy—special	8.00 to 15.00	16.00 to 20.00	25.00 to 40.00	.... to	20.00 to 30.00
" extra	5.00 to 8.00	10.00 to 12.50	15.00 to 35.00	.... to 25.00	15.00 to 20.00
" No. 1	4.00 to 5.00	4.00 to 8.00	8.00 to 20.00	12.00 to 20.00	5.00 to 10.0
" Culls & ordinary	1.00 to 4.00	1.00 to 4.00	5.00 to 8.00	4.00 to 8.00	.... to ....
Bride, Maid, fancy—spc'l	4.00 to 6.00	8.00 to 10.00	8.00 to 12.00	.... to	.... to ....
" extra	3.00 to 4.00	5.00 to 8.00	8.00 to 10.00	.... to 6.00	6.00 to 8.00
" No. 1	2.00 to 3.00	3.00 to 4.00	5.00 to 6.00	4.00 to 5.00	4.00 to 6.00
" No. 2	.50 to 2.00	1.00 to 2.00	3.00 to 5.00	.... to 3.00	2.00 to 3.00
Roses: K. A. Victoria	.... to	4.00 to 12.50	8.00 to 10.00	.... to	3.00 to 8.00
Roses: La France	1.00 to 4.00	.... to	.... to	3.00 to 5.00	.... to ....
Roses: Meteor	1.00 to 3.00	2.00 to 6.00	2.00 to 10.00	4.00 to 6.00	3.00 to 8.00
Roses: Papa Gontier	.... to	.... to	.... to	.... to 2.00	.... to ....
Roses: Perle	1.00 to 3.00	.... to	2.00 to 6.00	2.00 to 4.00	2.00 to 4.00
Roses: Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
ORCHIDS—Cattleyas	30.00 to 50.00	.... to	.... to 50.00	.... to	.... to ....
Cypripediums	.... to 12.50	.... to	15.00 to 20.00	.... to	.... to ....
Dendrobium formosum	.... to	.... to	25.00 to 35.00	.... to	.... to ....
Carnations: Inf'r grades, all colors	.50 to .75	.50 to 1.00	.50 to 1.25	.50 to .75	.50 to .75
Carnations: STANDARD VARIETIES White	.75 to 1.00	1.00 to 1.50	1.00 to 1.50	1.00 to 1.25	1.00 to 1.50
Carnations: STANDARD VARIETIES Pink	.75 to 1.00	1.00 to 1.25	1.00 to 1.50	1.00 to 1.25	1.00 to 1.50
Carnations: STANDARD VARIETIES Red	.75 to 1.00	.75 to 1.00	1.00 to 1.50	1.00 to 1.25	1.00 to 1.50
Carnations: STANDARD VARIETIES Yel.&Var.	.75 to 1.00	1.00 to 1.50	1.00 to 1.50	1.00 to 1.25	.... to ....
Carnations: *FANCY— White	2.00 to 3.00	.... to 2.00	1.50 to 2.50	1.50 to 2.00	2.00 to 3.00
Carnations: *FANCY— Pink	2.00 to 3.00	1.50 to 2.00	1.50 to 3.00	1.50 to 2.00	2.00 to 3.00
Carnations: *FANCY— Red	2.00 to 3.00	1.25 to 1.50	1.50 to 2.50	1.50 to 2.00	2.00 to 3.00
Carnations: *FANCY— Yel.&Var.	2.00 to 3.00	1.50 to 2.00	1.00 to 3.00	1.50 to 2.00	.... to ....
Carnations: NOVELTIES	2.00 to 3.00	2.50 to 4.00	3.00 to 4.00	.... to	.... to ....
ADIANTUM	.50 to .75	.... to .50	.75 to 1.50	.... to 1.00	.75 to 1.25
ASPARAGUS	35.00 to 50.00	.... to 50.00	35.00 to 50.00	25.00 to 75.00	50.00 to 60.00
CALLAS	4.00 to 5.00	4.00 to 6.00	8.00 to 10.00	6.00 to 8.00	8.00 to 10.00
DAISIES	.50 to 1.00	.... to .50	.75 to 1.50	.... to	.... to ....
HYACINTHS	.50 to 1.00	.... to	.... to	.... to	1.00 to 3.00
LILIES	4.00 to 5.00	4.00 to 6.00	4.00 to 8.00	6.00 to 8.00	8.00 to 8.00
LILY OF THE VALLEY	1.00 to 2.00	1.00 to 3.00	2.00 to 4.00	1.00 to 2.00	3.00 to 4.00
MIGNONETTE—ordinary	1.00 to 2.00	1.00 to 1.50	1.00 to 3.00	.75 to 1.50	1.00 to 2.00
" fancy	3.00 to 4.00	.... to	3.00 to 4.00	.... to	3.00 to 4.00
NARCISSUS	.50 to 2.00	.... to	2.00 to 3.00	.50 to .50	.... to ....
SMILAX	10.00 to 15.00	8.00 to 12.50	15.00 to 20.00	12.00 to 25.00	15.00 to 20.00
SWEET PEAS	.50 to 1.50	.75 to 1.25	.50 to 1.00	.... to .75	.50 to 1.00
TULIPS	.... to .50	1.00 to 3.00	.... to	.... to 2.00	1.00 to 2.00
VIOLETS	.30 to .40	.40 to .60	.... to	.... to	.... to ....
VIOLETS, special	.... to	.... to	.... to	.... to	.... to ....

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

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	" extra	15.00—18.00	12.50—20.00	....—10.00	15.00—20.00	15.00—25.00	....—30.00
	" No. 1	8.00—12.00	6.00—10.00	.... — 5.00	8.00—12.50	10.00—12.00	10.00—20.00
	" Culls & ordinary	2.00— 5.00	1.00— 4.00	....—	3.00— 4.00	3.00— 5.00	....— 5.00
	Bride, Maid, fancy-spec'l	2.00— 6.00	....— 5.00	.... — 4.00	....— 8.00	10.00—12.00	....—12.00
	" extra	....—	....— 4.00	.... — 3.00	.... — 6.00	8.00—10.00	....—10.00
	" No. 1	....—	....— 3.00	.... — 2.00	.... — 4.00	6.00— 8.00	3.00— 6.00
	" No. 2	....—	1.50— 2.00	.... — 1.00	....— 2.00	2.00— 4.00	1.00— 4.00
	K. A. Victoria	3.00— 6.00	....—	....—	....—	3.00— 8.00	....— ....
	La France	4.00— 6.00	....—	....—	....—	....—	....— ....
	Meteor	2.00— 5.00	2.00— 4.00	....—	4.00— 6.00	3.00— 8.00	1.00— 8.00
	Papa Gontier	....—	....—	....—	....—	....—	....— ....
	Perle	2.00— 4.00	2.00— 3.00	....— 2.00	3.00— 6.00	3.00— 6.00	1.00— 6.00
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Carnations	Inf'r grades, all colors	.50— .75	.50— .75	....— .50	....—	1.00— 1.50	....— .75
	STANDARD VARIETIES White	1.50— 1.75	....— 1.0	1.00— 1 50	1.00— 1.50	1.50— 2.00	.75— 1.50
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	STANDARD VARIETIES Yel.&Var.	1.50— 1.75	....— 1.00	....—	1.00— 1.50	2.00— 2.50	.75— 1.50
	*FANCY— (*The highest grades of standard var) White	1.75— 2.00	....— 1.50	....— 2.00	2.00— 3.00	3.00— 4.00	2.00— 4.00
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	ADIANTUM	.75— 1.00	.50— 1.00	....— 1.00	1.00— 1.50	.75— 1.00	....— .50
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	DAISIES	.25— .40	.25— .35	....—	....— .50	.50— 1.50	.25— .40
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	SWEET PEAS	.50— 1.00	....— .50	.50— 1.00	1.00— 1.50	.50— 1.00	1.00— 3.00
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Trade Conditions.

Business continues rather quiet, with now and then a little funeral work. The supply of flowers is very good, but there is very little variety. The demand is not heavy. In roses American Beauty of good quality realize from $16 to $20 per 100, but are not much sought. The seconds and smaller grades sell for what can be got for them. The supply of Brunner is shortening up, most of those now brought in being of second or smaller grades. They make from $2 to $10 per 100. Jacqueminot are about done for the season. Bride and Bridesmaid are in good supply, moving rather slowly, at prices ranging from $1 to $8 per 100, a few extras reaching $10. Kaiserin are coming in, but are not at all plentiful as yet. They make from $4 to $10 per 100, a limited supply of extras fetching $12.50.

Carnations of all kinds are plentiful and do fairly well; $1.50 is a good figure for 100 good carnations of ordinary sorts, specials of this kind making $2, while a few choice varieties realize from $2.50 to $4, which figure is outside price for Bradt.

There is a fairly good supply of tulips from out-of-doors, but very little call for them. Lilies are still in abundance, at $4 to $6 per 100, callas going at about the same prices. Valley is plentiful, especially since the advent of frame-grown stock. The latter sells pretty well at an average price of $2 per 100.

Good violets are becoming very scarce, though there is a fairly good supply of poorer ones. Sweet peas are rapidly coming into favor at this season, and meet with a lively demand, cleaning up daily at 75c. to $1.50 per 100. Pansies, too, sell well since violets have become poorer in quality.

Donald Carmichael's Eleanor Ames carnations are arriving in excellent condition. He was awarded honorable mention for this stock at Horticultural Hall on Saturday last.

Exhibition of Mass. Hort. Society.

The annual May exhibition of this society, held at Horticultural Hall last Saturday, was an exceptionally good one. The collections, which almost entirely filled the hall, were large and varied, and of a high standard of excellence. Very fine show pelargoniums were exhibited by E. J. Mitton and Chas. H. Souther, who received first and second prizes respectively. Dr. C. G. Weld staged a fine lot of Indian azaleas, and captured first for a collection, as well as first in the class for a single specimen plant. Calceolarias were a very prominent and showy feature of the exhibition, and the exhibits staged contained several of the newer kinds, as well as the best varieties of the older sorts. John Mutch, gardener to Mrs. B. P. Cheney, had it pretty much his own way in the competition for prizes in this class. Kenneth Finlayson, gardener to Dr. C. G. Weld, was also a winner.

Orchids were displayed by James E. Rothwell, and included Cattleya Skinneri, Lælia purpurata, Miltonia vexillaria and a few nice odontoglossums and masdevallias. Dr. Weld showed lily plants and some very good streptocarpus. J. S. Bailey's amaryllis were very fine. Nice cut orchids and some gloxinias were shown by H. A. Wheeler. Among the former was a magnificent spray of Odontoglossum nebulosum. Dr. Weld showed a nice lot of narcissus, as did Edward Powell, the latter also had a varied collection of attractive tulips. James Comley made an exhibit of rhododendrons and Crimson Rambler rose trusses, and Mrs. E. M. Gill a variety of seasonable flowers. A varied display of hardy herbaceous plants was made by the Blue Hills Nurseries.

The new rose, Queen of Edgely, the pink sport of the American Beauty, was shown by the Floral Exchange Co., of Philadelphia, and attracted considerable attention. A silver medal was awarded.

The vegetable display was exceptionally good, especially the tomatoes.

At a meeting of the society held the same day, the death of J. D. W. French was reported, and a committee appointed by President Appleton to prepare suitable resolutions. Messrs. Elisha N. Pierce, of Waltham, and Irving B. Frost, of Belmont, were elected to membership.

F. J. N.

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Orange, N. J.

The committee for the free distribution of plants among the school children reported enthusiasm all along the line from both growers and school principals. Additional offers of rooted chrysanthemum plants were received from George Smith, Popken & Collins and C. W. Ward, of Queens, L. I. The distribution will take place the middle of May.

Grand Rapids.

The weather has turned cold and wet. Most of the carnations are now planted and will get a good start.

Business is steady with lots of funeral work to use up white flowers. Shipping still continues brisk, the call being mostly for carnations. Daybreak is plentiful, while red and white kinds are about equal to the demand. Roses are very plentiful; quality fair. G. F. C.



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New Orleans, La.

The last few days of April and the first of May remind us that our long Summer is with us. Of late we have had some of the heaviest rains on record, followed by hot, tropical weather. Spring bedding is almost over. Our Summer plants, such as crotons, caladiums, pandanus, palms, draenas, etc., are commencing to make a fine show.

Easter trade was not very bright. Flowers of all kinds, except Harrisii lilies, were plentiful. Easter being late outside stock made business a little slow with the florists; everybody could cut flowers in their gardens for church decoration. So far I do not think any of our people had many lilies for that date, the disease being very bad in some cases. Some of the florists say trade was as good as usual, others better.

The florists who exhibited at our State Fair struck a bad week, as far as the weather was concerned—it was raining most of the time; otherwise, it was a success, being one of the best Spring shows held here. Palms, ferns, and foliage plants were all well shown. Flowering plants were very good; the geraniums and petunias were extra good. Some of the adiantum ferns exhibited were 8 feet through. The principal prizes were won by H. Papworth, E. Valdejo, J. H. Menard, Abele Bros. and F. Faesel, in floral work. Shindler & Van Geffen, C. Eble and J. H. Menard all had extra fine displays. The judges were very exacting in their work, and a few of the exhibits failed to score. A bed of seedling Latania borbonica in 4-inch pots was shown. The palms were all right to leave home in the greenhouse; as plants they were not fit for exhibition, even if they were Louisiana-grown seedlings. The two sweepstake medals, offered by the New Orleans Horticultural Society, were won by H. Papworth and E. Valdejo.

The State Fair gave $450 to the Horticultural Department. It looks as if most of the money will be used up. The judges were John Eblen, Ed. Baker and J. A. Newsham.

Cut flowers and roses were only second class. H. P.

Pittsburg.

Business Bits.

At last we are having a spell of warm weather and stock is coming in rather too plentifully. Trade has been good; several weddings of note and three prominent deaths furnished some handsome orders. Ulam & Co. made three fine pieces—a large scroll, scale of life and a column, all between 5 and 6 feet in height—done in the best style with the choicest of blooms. L. I. Neff also had several large pieces.

Roses and carnations are very abundant and prices are low. Yellow daisies are more abundant this year than ever, and are very effective. Fischer is cutting some fine ones from plants about 5 feet in height.

The plantsmen are doing a good trade already, and the prospects for an excellent one are now much brighter. Stock of hardy plants is selling better than ever, and the shipping trade is also very good. John Bader has had two very busy weeks, and is well satisfied with the outlook for the season.

The News.

G. & J. W. Ludwig, in the Allegheny Market, are offering plants of a geranium grown by A. Nauman, of Etna, which is quite an oddity. The flowering stem throws out from 6 to 10 well-formed flower heads, all perfect trusses. It is a double pink variety, a free bloomer and good grower.

The Rev. Dr. S. W. Knipe will give an interesting lecture at the next meeting of the Botanical Society of Western Pennsylvania, his subject being "A Botanist in Western Pennsylvania Thirty Years Ago;" also an answer to the question, "What Profit is there in the Study of Botany?" The society intends to arrange a program for an intended series of field meetings during the Summer.

The greenhouse of Louis Sutter was destroyed by fire last week—almost a total loss, with little insurance. The origin of the fire is supposed to be incendiary.

M. W. Woodrooffe, cut flower dealer, Philadelphia, spent several days in our city recently.

Supt. G. W. Burke, of Highland Park, makes a splendid show of tulips, bedded out most effectively and in great quantities. About 50,000 bulbs were used.

E. C. REINEMAN.

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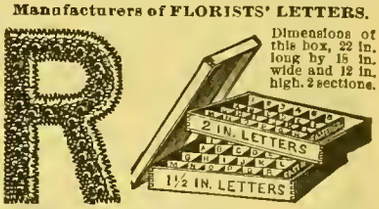

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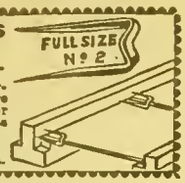

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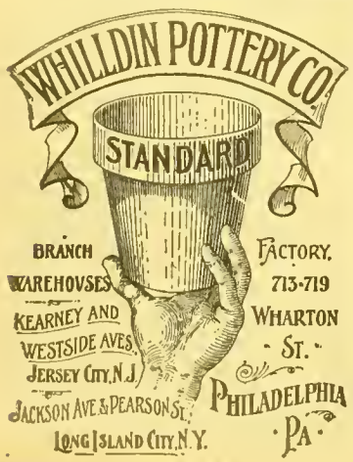

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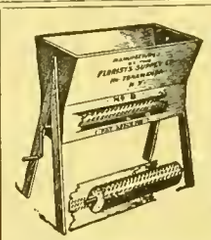

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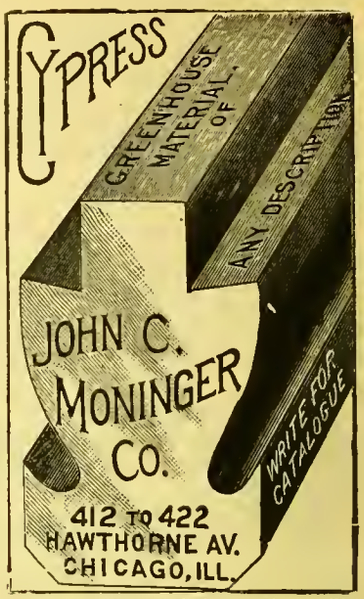

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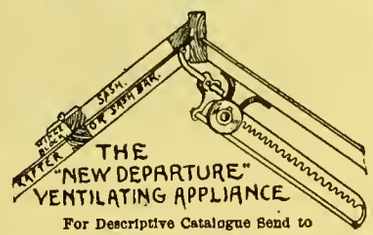

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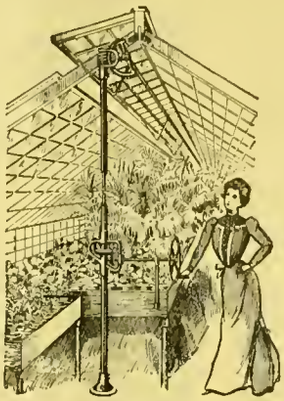

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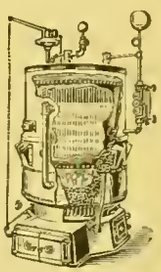

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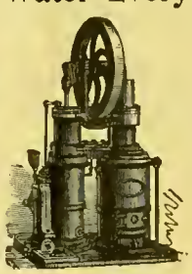



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Also a few large plants, in bud and bloom, $1.00 per 100.
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Fine, stocky plants, in bloom, from cold frame, choicest strains, $1.50 per 100.
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Extra fine stocky plants from cold frames, in bud and bloom, $1.50 per 100; $13.00 per 1000 Second size, fine plants, in bloom, $1.00 per 100. Cash with order.
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Grower of the finest Pansies.
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Pansies Worth Raising

Small plants all sold.

Now left but flowering plants from field, at $2 00 per 100, and up.

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Funkia, Eulalia, Mist.
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Good, strong, field-grown **Pansies**, in large variety, commenced flowering in September, per 1000, $12.00; in October, per 1000, $10.00; for May and June flowering, per 1000, $8 00. Strong seed bed Pansies, $3 50 per 1000. **Perennial Phlox**, mixed varieties, $3.00 per 100. **Mist**, $5.00 per 100. **Funkia Lancifolia**, $1.50 per 100. Cash With Order, Please.
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Large, stocky transplanted plants showing bud, from cold frames, 50c. a 100; $3.50 a 1000; 500, $15.00.
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Manzanillo, Columella, Pendulina, Nevadillo.

$1 per 100; $8 per 1000.

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SMILAX Extra choice, strong, healthy three year old plants, just the thing for immediate results, $3.00 per 100. Plants from 2 in. pots, 75c. per 100.
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From 2-inch pots; $3 per 100; $25 per 1000.
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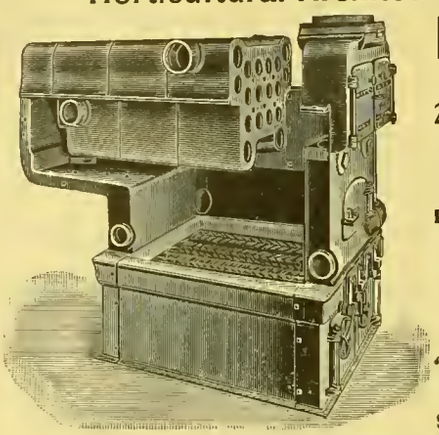

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Asparagus Sprengeri	2-inch pots,	$3.00
Alyssum, Little Gem	3-inch "	3.00
Alyssum, Double Giant	3-inch "	3 00
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Clematis, large flowering vars. 2-year-old plants, $3.00 a doz.		
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Strong, bushy **Heliotrope, Geraniums**, and **Fuchsias**, 4 in., $7.00 per 100.
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3½ "	7.00	" "	60.00	" "
4 "	8.00	" "	70.00	" "

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Strong, transplanted plants, from seed bed, sown last January—2, 3 and more growths, well-rooted and ready for 2½ inch pots.

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TUBEROUS ROOTED BEGONIAS.

Large sized bulbs, 1 inch and over in diameter, single red, white, pink, yellow, separate colors, $2.00 per 100, $17.50 per 1000.

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All perfectly sound with centre shoots.	Per doz.	100	1000
MONSTERS, VERY LARGE, 9 to 11 inches and over around	$1.00	$5.00	$45.00
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First size bulbs, 3 to 4 ins. around, every one flowers, 50c. per 100; $3.00 per 1000, or barrel of 2000 bulbs, for $5.00.

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Fine, Strong Plants, in 3 inch pots, 15 inches high above pots, all ready to be potted on. Price, $2.00 per dozen, $15.00 per 100.

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A safe and gentle reminder to all insect life that their presence is not wanted.

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A cheap, clean and effective suggestion to all plant pests to move.

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An argument that convinces all outdoor insects that life is not worth living.

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	¼ Oz.	Oz.
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PRIMULA SEED EUROPEAN Prize Strains, Largest flowers, brilliant coloring. 100 1000
Very choicest mixed..... 20c. $1.50
Kermesina Splendens, the richest red.. 20c. 1 50
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Cineraria Dwarf, extra giant flowering, pkt., about 500 sds., 25c. " 1.00
Calceolaria, Giant, per packet, 25 cts.
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Gloxinia, finest mixed, packet, 25 cts.

SOW NOW FOR EARLY WINTER FLOWERING:

Allen's DEFIANCE MIGNONETTE
Largest for forcing, trade pkt., 25c.; oz., $1.00.

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Best for forcing, trade pkt., 25c.

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SEEDS—Nasturtium, Tom Thumb Mixed, per ¼ lb., 15c.; per lb., 40c. postpaid; per 100 lbs. 30.00. Tall Mixed, per ¼ lb., 15c.; per lb., 35c. postpaid; per 100 lbs., $25.00.

Aster, Queen of the Market, the earliest of Asters, separate colors, per ¼ oz., 15c.; per oz., 50c. Semple's True Branching, mixed, per ¼ oz., 15c.; per lb., $5.00.

Asparagus Plumosus Nanus, per pkt. (25 seeds), 30c.; per 100 seeds, $1.00; per 1000 seeds, $9.00. **Sprengeri,** per pkt. (25 seeds), 20c.; per 100 seeds, 60c.; per 1000 seeds, $4.50.

Write for our quntations on Roman Hyacinths, Paper White Narcissus, etc.

JOHNSON & STOKES, 217 and 219 Market St., PHILA., PA.

Mention the Florists' Exchange when writing.

50,000 ROSES FOR SALE.

The Following Varieties, from 2 inch Pots, $3.00 per 100.

Most of These Varieties, from 4 inch Pots, $10.00 per 100. Same at $8.00 per 100.

3500 Champion of the World,	400 Souv. de Wootton,	600 Yellow Soupert,
3000 Snowflake,	350 Mme. Schwaller.	600 Clotbilde Soupert
4000 The Bride,	450 Countess Riza du Parc,	800 Niphetos,
700 Meteor,	350 Duchess de Brabant,	150 Devoniensis,
600 Souv. du Pres. Carnot,	700 Pink Soupert,	250 Priscilla,
300 Etoile de Lyon,	350 George Pernet,	4000 Bridesmaid,
900 Catherine Mermet,	3000 Highland Mary,	250 Souv. Jeanne Cabaud,
500 Maman Cochet,	1200 Perle des Jardins,	250 Mrs. DeGraw,
1000 White La France,	2000 Hallowe'en,	500 Bon Silene,
300 La Princess Vera,	600 Marechal Niel.	300 Pink Daily,
500 Safrano,	250 The Queen,	600 Mad. Abel Chatenay,
100 Mme. F. Kruger,	1300 Marie Guillot,	350 Gen. Itob't E. Lee,
1000 Climbing Meteor,	300 Henry M. Stanley,	200 Mme. Hoste.

The Following Varieties, from 2 inch Pots, $4.00 per 100:

2000 Hallowe'en, 600 Marechal Neil, 1400 White Maman Cochet, 175 Mad. Helen Cambier.

	Per 100		Per 100
Am. Beauty, grafted, 4 in. pots	$15.00	Kaiserin Augusta Victoria, 2 inch pots	$5.00
" " own roots, 3 in. pots	10.00	Climb. Kaiserin Aug. Vic., 3 in. pots	10.00
Kaiserin Augusta Victoria, 3 inch pots	10.00	" " " " 2 in. pots	5.00

NEW EVERGREEN ROSES.

Evergreen Gem, Jersey Beauty, Gardenia, 4 inch pots.....$10.00 per 100

PHLOX—Very Fine, $4.00 per 100; Our Selection, $3.00 per 100.

Mme. P. Langier,	Queen,	Richard Wallace,
Terre Neuve,	Bouquet Fleure,	Alceste,
Hector,	Jean de Arc,	Epopee,
Jules Juoy,	Premier Minister,	White Swan.
J. H. Slocum,	Aurora Borealis,	

CHOICE CANNAS.

The Following Varieties, from 3 inch Pots, $6.00 per 100.

Alphonse Bouvier,	Chas. Henderson,	J. C. Vaughan,
Austria,	Duchess de Montmort,	Queen Charlotte.
Burbank,	Madame Crozy,	Sennholz.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Mention the Florists' Exchange when writing



Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Chicago, Ill., President; ALBERT McCULLOUGH, Cincinnati, First Vice-President; F. W. BOLGIANO, Washington, Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

American Seed Trade Association.—The eighteenth annual meeting of this association occurs June 12 to 14 next, at the Grand Pacific Hotel, corner Jackson Boulevard and Clark street, Chicago, Ill. An interesting program along the lines of new century conditions in the seed business has been prepared, and papers on subjects of practical interest will be read.

European Notes.

The 9 degrees of frost mentioned in last week's report has proved to be one of the most destructive visitations we have experienced for several years. Spring sowings that had not been visited by the fly, and were considered safe, proved, on examination three days after the frost, to have been entirely destroyed—the young seedlings were as dry as if burned.

The condition of the young radishes is very unpromising generally; there are some plots that have not suffered so badly, but these cannot be transplanted at present for lack of moisture.

Recent letters from the extreme south state that the young seed pods of the early cauliflowers have suffered badly from the frost and cold winds; this, of course, means a considerable reduction of the crop. EUROPEAN SEEDS.

Vitality and Purity of Seeds.

We have been favored by Mr. Burnet Landreth, of D. Landreth & Sons, seedsmen, Philadelphia, with the following communication, which is self-explanatory:

A. J. PIETERS, ESQ.,
Bureau of Seed Investigation,
Department of Agriculture,
Washington, D. C.

Dear Mr. Pieters:

I acknowledge the receipt of your communication of May 8, "protesting" against portions of the paragraph on page 9, of Landreth's Catalogue of 1900, which paragraph I wrote and which reads as follows:

"VITALITY AND PURITY."

The United States Department of Agriculture is endeavoring to set up a percentage standard of "Vitality and Purity" for seeds, with the idea of ultimately bringing about a system of graded prices based upon the test results.

In the case of clovers and grass seeds such a system is fairly practicable, as the weed seeds and other incidental seed mixtures can be counted out from a hundred or thousand seeds of clover or grass, and the remaining seeds be depended upon to produce plants of the ordinary type of the variety under treatment; individual scrutiny of such fully grown clover or grass plants not being so intense as that given to plants of larger development. But this system is not so feasible with grain seeds, as many varieties of oats, wheat, barley are so slightly distinguishable from each other in the appearance of the dry seed that a separation by the hand and eye would be impossible, as would be demonstrated by a field trial.

Still more impossible with seeds of flowers and vegetables, as, for example, no one can distinguish one variety of turnip from another, and so it is with cabbage, radish, carrot, celery, and yet any one or all of these might be so mixed with varieties of its own family as to be entirely valueless, while at the same time proving 100 per cent. in vitality. Consequently the so-called "purity" test of the Department of Agriculture is very misleading in the case of garden seeds, the purity of type of which can only be tested in the field. And again the Department of Agriculture is misleading the public in laying so much stress upon the subject of vitality, for purity of strain certainly so immeasurably outranks vitality that a market gardener would at any time prefer to purchase seed, cabbage for instance, of absolute purity though of only 50 per cent. vitality, rather than seed of 100 per cent. vitality and impure in type.

It will be noticed the above article treats upon two distinct features:

First, mechanical purity of seed; second, vitality of seed.

The concluding reflections of the article are that the Department has made more of these two features than of purity of strain. The proof of this is that the Department distributes annually 16,000,000 to 18,000,000 of packets of any cheap seeds, provided they are mechanically clean and of high vitality; three requirements: Cleanliness, vitality and cheapness.

Now as to the mechanical cleanliness of seed. That is more important in field seeds than in garden seeds, as freedom from weed seeds in an agricultural crop, such as clover, grass or small grains, is especially desirable, indeed necessary, for interlopers cannot well be removed from the broad expanse of agricultural crops. But in garden seeds, if by reason of gross negligence any weed seeds remain, the plants from them are easily removed by the gardener, whose principal occupation is the killing of weeds; consequently if garden seeds should perchance have a few weed seeds in them, those resultant weeds would come out with the others and no serious harm be done. But if the type is untrue to the extent of 20 or 30 per cent., the gardener cannot eradicate the undesirable plants, for he does not discover their presence until he has expended his time and cash. The result is, that at the end of the season he finds himself in debt in spite of a vitality of even 99 or 100 per cent., which the seeds might have had when planted.

Whatever the Department intended in the past, in my opinion as a seed grower and seed merchant of some experience, it has been most remiss in failing to impress upon the agricultural public the over-shadowing importance of *purity of type;* the Department having to a great extent expended its energy and time upon the less important subject of vitality.

An argument is always most forcible when it is accompanied with a fact in point, and here is the undeniable fact: When my firm, in April, 1896, contracted with the Department of Agriculture to furnish over 10,000,000 of seed packets, which work was commenced and finished inside of 30 days, it was required to give seeds of an exceedingly high germinative force; and you well know, for you and the late Mr. Hicks tested them, that the Department got seeds of just such vitality as was required; but let me say to you here, many of those high vitality seeds were grown from parent stock not so pure to type as the parent stocks of other seeds which my firm could have furnished of 10 to 15 per cent. lower in germinative force, but which better seeds were barred out by the Department requirements of vitality. Yet these seeds of lower germinative force would have been far more acceptable to persons of discrimination than the seeds issued; as, for instance, to a market gardener, whose profit depends upon the absolute good development of his crop of vegetables.

The Department of Agriculture should recognize the fact that the more intense the selection as to breed or purity of type the less vitality attaches both to the plant and to the seed, but on the contrary, the Department dwells to an unnecessary degree upon vitality—a very desirable quality in its way, but an inferior subject to that of *purity.* The practice of the Department in sending out annually $60,000 to $70,000 worth of the cheapest seeds, which can be purchased in the United States, nullifies any claims which it can put forth as to its good intentions, as expressed in its publications.

This important condition of type the United States Department of Agriculture should make of primary importance, but unfortunately it does not do so, as is proven by its annual, ridiculous stipulations as to character of seeds required—they must be clean and they must grow up to the nineties, and that is all; so they are very, very cheap. Seed merchants and observing planters well know that the Department has received, paid for and issued seeds absolutely foreign to their labeling, yet the seeds, no doubt, were thoroughly clean and highly vital. What a farce! What a reflection upon the Department of Agriculture of this country!

The leading seed merchants of America have intimate knowledge of all the details of their business, and one of their experiences, by some dearly bought, is that quality is considered by practical men and by the courts of far more importance than vitality.

Seedsmen constantly find minor subjects occupying the attention of their correspondents to the exclusion of more important ones, which escape their attention, but such short-sightedness should not prevail in the Department of Agriculture.

I therefore repeat that the United States Department of Agriculture is improperly setting up a "false standard," and puts itself in an uneaviable position before the agricultural departments of other countries when it insists in its annual requirements for seeds of a high vitality grade, while entirely ignoring the important subject of a high quality grade. Yours truly,

BURNET LANDRETH.

Philadelphia, May 11, 1900.

Denver.

The bedding season is now in full blast and greenhouse men are kept very busy. Pansies have had their turn and a great many were sold; one firm (Mahr & Dankworth) cleaning out a fine lot of 20,000. Geraniums will take the lead now, and although most of our firms are well supplied, it looks as if geraniums will be very scarce at Decoration Day. It is, perhaps, a little early to bank on flowers for that occasion (May 12); but I think that lilacs, snowballs, paeonies, and the rest of outdoor stock will about hit the mark. DENVER.

Toledo, O.

The severest hail storm known here for 15 or more years visited us on the afternoon of Monday, May 7, causing considerable loss to some of our florists and owners of private gardens. The heaviest losses were sustained by Imoberstag Bros. and S. N. Peck, their establishments being almost completely wrecked, so far as the glass is concerned. The Dalbridge Park Conservatories, in the palm section, Henry Krueger and H. A. Mills also were badly damaged. None of the other establishments had any real serious losses to report. Although the hailstones averaged from the size of marbles to that of walnuts, the injury to plants from broken glass seems to have been very light. It appears the storm followed the course of the river, and this probably accounts for the small number of greenhouses hit, as the other places were not in the "thick of the fight." The newspapers report 6 inches of hailstones on the streets. Pansies, etc., are a complete loss at the above-named places, except where the plants were indoors.

F. A. I.

CALIFORNIAN SEEDS

Contract Prices for 1900 Harvest on Application.

WHOLESALE ONLY.

PERRY WATSON & CO.,

SACRAMENTO, CAL.

Mention the Florists' Exchange when writing.

EVERGREENS.

Black Hills Spruce, 3-4 ft., transplanted, $0.50
" " " 4-6 ft., " 1 00

English Yew, Hemlock, Koster's Blue Spruce and other choice varieties in FINE SPECIMENS.

CLEMATIS PANICULATA, JACKMANNI, ETC., STANDARD HYDRANGEAS, STANDARD ROSES, PYRAMID BOX, RHODODENDRONS, AZALEAS.

HIRAM T. JONES,

Union County Nurseries, ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

CALIFORNIA PRIVET

Can be planted until July and shipped with perfect safety.

I offer 2-year-old plants at $20.00 and $25.00 per 1000, cash with order, and Privet Cuttings at $1.50 a 1000.

Also large EUONYMUS JAPONICA, green, at $6.00 per 100; delivered now or next fall.

ATLANTIC COAST NURSERY,
JAMES H. CORNELL, Prop.,
Office: 606 4th Ave., Asbury Park, N. J.

Mention the Florists' Exchange when writing.

EDWARD B. JACKSON,

Wholesale Florist.

Hardy Herbaceous Plants Only

In any quantity for the least money.

STAMFORD, CONN.

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM
PÆONIES, BLEEDING HEART
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing.

THE PINEHURST NURSERIES,

OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.

Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda nitida, Fothergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Dionæa muscipula, Lupinus diffusus, Phlox subulata, Sarracenias, etc., etc. **Ask for Trade Lists.**

Mention the Florists' Exchange when writing.

FRUIT and ORNAMENTAL TREES,

Shrubs, Vines and Roses

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., Geneva, N. Y.

Mention the Florists' Exchange when writing.

CABBAGE. CABBAGE

10 acres of plants now ready, leading varieties, $1.00 per 1000; $8.50 per 10,000.

LETTUCE Boston Market, Tennis Ball, Curled Simpson, Grand Rapids, and other vars., 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

TOMATO Small plants for transplanting, in several varieties, 15 cts. per 100; $1.00 per 1000.

PEPPER Small plants for transplanting, in several varieties, 25c. per 100; $2.00 per 1000. If by mail, add 10c. per 100.

EGG PLANTS New York Improved for transplanting, 25c. per 100, $2.00 per 1000.

CELERY Golden Self Blanching and White Plume, 15c. per 100, $1.00 per 1000

Other vegetable plants in season. Cash with order. If by mail, add 10c. per 100.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

F. & F. NURSERIES

SPRINGFIELD NEW JERSEY.

Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.

Mention the Florists Exchange when writing.

AMERICAN HOLLY (Ilex Opaca)

This is one of America's most beautiful evergreens. Its foliage varies very little from that of the English Holly, and its rich clusters of scarlet berries make a good substitute for flowers in the Winter shrubbery. It is hardy in almost any locality. To insure safety in transplanting, the leaves should be removed from the plant at that time.

1 to 2 ft., transplanted, heavy.....$4 00 per 10; $30.00 per 100.
2 to 3 ft., " " ..... $6 50 " $50.00 "
3 to 4 ft., " " .....$9.00 "

ANDORRA NURSERIES, Wm. Warner Harper, Proprietor, Chestnut Hill, PHILA., PA.

Mention the Florists' Exchange when writing

THE STORRS & HARRISON CO., Painesville, Ohio

Desire to call the attention of Florists and Nurserymen to their 40 acres of **HARDY ROSES**, their complete assortment of **FRUIT** and **ORNAMENTAL TREES** and **SHRUBS**, and their 44 Greenhouses of **ROSES, PALMS, FICUS, FERNS, ETC.**

Correspondence and personal inspection solicited. Trade List and Catalogues free.

Mention the Florists' Exchange when writing

OAKS 10,000

Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogues on application. Send estimate of wants for prices.

THE WM. H. MOON CO., GLENWOOD NURSERIES, **Morrisville, Pa.**

Mention the Florists' Exchange when writing.

TREES

Fruit Trees, Small Fruits, including grapes. Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. **Rochester, N. Y.**

Mention the Florists' Exchange when writing.

Notes from Europe.

ASPARAGUS.

Next to adiantum Asparagus plumosus nanus is the green mostly used here, and it is quite the specialty of many growers to produce sprays of the size of a large adiantum frond, with rigid stems of 10 to 20 inches in length, and of light yellow green color. This color constitutes the special value of this green. Asparagus planted out is always dark green and therefore does not have the pleasing fresh appearance, especially under artificial light, that the yellow green produces.

Let me mention that only the true plumosus nanus is good for this purpose. A. cormorensis is always darker, and more than A. p. nanus is apt to produce long, winding shoots, which the following method of growing helps to avoid: In May and June take the plants out of pots, shake off the soil and cut the rhizomes up into small pieces with two leaves to each. Pot these bits singly into thumb pots; put them into light bottom heat (on propagating bench), keep them in 70 to 80 degrees with frequent syringing. In four to six weeks they will have rooted through. Repot them into 3-inch pots, in sandy, loamy compost. At first keep them close shaded, and syringe daily, gradually giving air, and harden them off. In September they go into Winter quarters. Growers hereabouts prefer low, narrow houses, 10 to 12 feet wide, with benches each side of central wall, 50 to 60 degrees. Plunge pots close together into moisture retaining material—ashes, hop, tan or the like—and gradually take off all shade. The plants will by this time be well furnished with leaves, which keep a long while and get lighter in color with age. During Winter they grow but slowly, but a house full can furnish a lot of cut green, if the plants were well treated during the Summer. These branches or fronds are very hardy and excellent keepers when cut.

Asparagus deflexus is gaining in favor. It is exceedingly light, producing branching stems 2 to 3 feet long, of hanging habit and of glaucous green color. The plants grow readily from seed, and I have seen them three years old produce plenty of it (but I think the demand will be large.) This asparagus likes to have its resting period well observed, and then produces two good crops each year. It will be found useful for baskets, mirror decorations, and wherever airy and long green is necessary. Grow it in a temperate light house, in rather small pots suspended from the roof. Like all other asparagus it likes occasional though light feeding with nitrate of potash.

Asparagus retrofractus arboreus is certainly a fine green, and most useful for large pieces. As a decorative plant it is also worth cultivating. Grow it at the cooler end of the Asparagus plumosus house, planted in the ground. It will then produce shoots 3 to 5 feet in length, and thus furnish magnificent material for decorating. This green is so distinct and still so beautiful that it is bound to please. Every storeman should have a few dozens or more of it; he will be pleased to have it for special, fancy pieces.

GALVANIZED NETTING BENCH BOTTOMS.

A Berlin La France specialist (grows for two seasons, a late Fall and early Spring crop with sashes off during Summer) reports good success with benches on wood skeleton and a bottom of galvanized iron netting, one-half inch meshes. A good layer of leaves makes the bottom solid enough to receive and hold the soil. There certainly cannot be lack of drainage and aeration with this kind of bottom to the bench. I would like to recommend leaves at the bottom of benches in any case. They are certainly preferable to straw or sods, keeping the soil well open from below. But it appears that with their slow fermentation they help the decomposition of the soil and render the plant food contained therein more available to the plants. A trial is always safe, and will prove a success.

BANKSIA AS A STOCK FOR ROSES.

Apropos of roses, I took good note of a suggestion of one of your correspondents (some 15 or 18 months ago) advocating Banksia roses as stock to work roses on for continuous growing under glass. While in Italy I took occasion to speak about this to Mr. Brauer, a young but very intelligent and comparatively most successful raiser of roses. "Just what I thought, when I first started here," he said, "and, there, you can judge for yourself." He showed me in February a lot of older roses budded on Banksia. These were just starting into growth, while the others, on own roots, briar or manetti, were in full bloom, or past it. The fact is the Banksia, though evergreen, does rest and not only takes a long rest, but requires a high temperature to start into vegetation. In Italy the roses start in October to November, with 40 to 50 degrees in the shade after the first good rains, and their vegetation can only be a little regulated by earlier or later pruning. But the Banksia begins to grow only much later; it demands quite 60 degrees to begin life anew. In May to June it is generally in full bloom. It would be interesting to hear from your correspondent whether he made further trials with the Banksia.

T. E.

Vegetable Plants—

Cabbage and Tomato Plants, best leading varieties, fine plants ready to plant out, $1 per 1000; $8 per 10,000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

Yucca Filamentosa

Fine, large plants, **$10.00 per 100.**

SAMUEL C. MOON, Morrisville, Pa.
BUCKS CO.

Mention the Florists' Exchange when writing

SURPLUS FOR SPRING 1900

Can yet do **PEACHES** and **JAPAN PLUMS** in limited quantity; also **MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY, STRAWBERRIES** from best leading varieties. Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.
ALEX. PULLEN, PROPRIETOR.

Mention the Florists' Exchange when writing.

A Picture of the....



EXPANSIVE TREE PROTECTOR.

Absolutely prevents all worms and insects from crawling up fruit and shade trees. For agency, territory and prices, address

EXPANSIVE TREE PROTECTOR CO.,
ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

CATALOGUES RECEIVED.

SEARL & SONS, Sydney, N. S. W.—General catalogue of Seeds, Bulbs and Plants.

WOOD BROS., Fishkill, N. Y.—Trade List of Roses, Chrysanthemums and Miscellaneous Plants.

W. P. PEACOCK, Atco, N. J.—Wholesale Trade List of Dahlias.

LAGER & HURRELL, Summit, N. J.—Price List of freshly Imported Orchids.

HENRY F. MICHELL, Philadelphia.—Wholesale Price List of Hightest Quality Bulbs.

CHANGES IN BUSINESS.

PERTH AMBOY, N. J.—Otto E. Hansen has succeeded John Jespersen & Co. in the florist's business here.

ALAMEDA, CAL.—George N. Tyler has opened a florist's store here, at 154 Park street.

CHESTER, PA.—The firm of Colflesh, Titlow & Co., Market street, has been dissolved.

DUBOIS, PA.—W. G. Jones, formerly of Elmira, N. Y., is now a partner in the Park Greenhouse Co., here.

C. H. JOOSTEN, SPECIAL, CANE PLANT STAKES, 6 to 7 feet, per 1000, $6.00; per 250, $1.75.
KENTIA BELMOREANA SEED, per 1000, $4.50; per 3500, $14.00.
CYCAS REVOLUTA STEMS, small size, 100 lbs., $8.00.
Catalogue of FALL BULBS and PLANTS on application. 85 DEY STREET, NEW YORK.
Mention the Florists' Exchange when writing.

The Consummation of Co-operation.

THE PLANT DRUMMER.—Can I sell you a line of palms to-day; first-class, clean stock, and at as reasonable prices as ——?

FORMER CUSTOMER.—Save your gas, you wandering department store. The co-operative all-providing committee of the S. A. F. buys all my goods for me. I just press the button, send my order and my little check, and they do the rest. You can't palm off anything on me any more.

THE VENTILATOR MAN.—I've got a new ball-bearing, non-puncturable, easy-adjustable ventilating "contrapshun," works like it were human, and a child can operate it. Last year I placed forty

FLORIST.—Whoa! Don't you know this is the twentieth century? There is no need of a man bothering himself about any purchases nowadays. We have a committee that does all that brain-racking work for us—for a consideration. Say, it's a cinch compared with old times! The florist's greatest trouble and loss just now is with his help, and the committee is making arrangements to buy up a lot of that.

THE GLASS MAN.—Want any 16x24 glass this morning? The size is short, but we were fortunate ——

FLORIST.—Hold, enough! I subscribe to the Paint, Oil, Glass, Sash, Squash, Hardware, Putty, Papa Gontier Providing Committee of the S. A. F., and they knock the Trust prices all to smithereens. I tell you, a purchasing trust is a pench. There is nothing like fighting your enemy with his own weapons.

THE PIPE MERCHANT.—I see you are building, old man; suppose you'll need lots of my specialty ——?

FLORIST.—Bah! A Henry Clay is the only pipe, to purchase which I exercise my individual effort nowadays. I am a member of the Do-all-the-buying-Committee of the S. A. F. Say, the "man with the hose" is living in an Elysium now. He beats the man with the hoe of former days.

INSECTICIDE DEALER.—I hear your plants are suffering from malaria; excuse me, bacteria, mildew, thrips, spider. Won't you try my All-Bug-Pest-Exterminator? It ——

FLORIST.—Young fellow, there's no flies on me. I have just received through the co-op—— Where are you going?

INSECTICIDE DEALER.—No need to finish the sentence. Ta-Ta.

THE COAL MAN.—Winter is coming. You had better lay in a supply of our bit ——

FLORIST.—Ah, forget it! Coals are regular black diamonds these days. It's a cold day when we get left now that we have become affiliated with the Co-operative Coal, Coke, Cinder branch of the Pur—— Are you off? Good-bye.

ADVERTISING SOLICITOR.—Say, we only charge 10c. a line for advertising in the most widely read and circulated florist medium of the country. Won't you ——?

THE ONCE ADVERTISING FLORIST.—Young man, it's useless; the jackal of the florists' business has placed all the orders required by the entire trade with Petunia, Cosmos & Co., and "Othello's occupation is gone." Am just biding my time to be called to a fairer region where competition is the life of trade. Here it has been the death of it; the lowest bidder now supplies the entire country with my specialty, and the entire country is the what-do-you-call-it ——? the co-op——, pshaw, I forget. Oh, good day.

GENERAL CHORUS OF DEJECTED SALESMEN:

Where, oh where have our little jobs gone?
Where, or where can they be?
They're higher than a kite; and we are undone
By the Co-op. Purchasing Com-mit-tee.

AMERICAN FLORISTS' REFRAIN:

We've driven care away and banished melancholy.
Troubles never come; this is how it is, you see:
We found that buying singly was the highest height of folly
And so we joined the Co-op. Purchasing Com-mit-tee.

300,000 ROSES SEND FOR LIST.

MISCELLANEOUS STOCK.

FLOWERING BEGONIAS F. de Lesseps, Vernoo, nice 2½ inch stock, at $3.00 per 100; also Rubra, from 3½ inch pots, at $4.00 per 100.
HARDY PINKS Earle of Carlisle, Her Majesty, Laura Wilmer, Brunette, Alma, Fimbriata, Juliette, 2½ inch, $2.50 per 100; 3½ inch, $4.00 per 100.
MOON VINES White and Blue, $3.00 per 100. Pink Moon Vines, $3.00 per 100. Pink Moon Vines, 3 inch, $6.00 per 100.
FINE, LARGE CANNAS from 4 inch pots, Florence Vaughan, Italia, Austria, Chas. Henderson, Mme. Crozy, Queen Charlotte, $6.00 per 100.

GERANIUMS, 2½ in., $3.00 per 100; 3½ in., $4.00 per 100.
SCENTED GERANIUMS, Rose, Nutmeg, Balm, Lemon.
PETUNIAS, mixed, 3 in., $4.00 per 100; 2½ in., $2.50 per 100.
GERMAN IVY, $2.00 per 100.
STROBILANTHES DYERIANUS, $2.50 per 100.
HIBISCUS COOPERI, $3.00 per 100.
SANSEVIERA ZEYLANICA, $4.00 per 100.
TROPÆOLUM PHOEBE (NASTURTIUM) $2.00 per 100.
MARGUERITES, $3.00 per 100.
HONEYSUCKLES, Hall's Japan and Golden Japan, $3.00 per 100.
SMILAX, $2.00 per 100.
VINCAS, $2.50 per 100.
ALTERNANTHERA, rooted cuttings, $1.00 per 100.
ABUTILONS, 3½ in., $4.00 per 100; 2½ in., $2.50 per 100.

TERMS: CASH WITH ORDER.

THE NATIONAL PLANT CO., Dayton, Ohio.
Mention the Florists' Exchange when writing.

Boston.

Market Notes.

There has been little or no change in business conditions the past week. Stock continues very plentiful and the demand is still light, and probably will be so until Decoration Day.

Roses hold out, of very good quality, due largely to the cool weather so far this Spring. American Beauty are plentiful and good; they meet with very little demand, however. Prices range from $16 to $25 per 100 for long-stemmed stock, while the smaller grades fetch from $3 up to $12.50. Bride, Bridesmaid and Kaiserin, too, are plentiful, and of very good quality generally.

Though carnations are in very good supply the prices on the finer grades hold up very well for this season. Fancy carnations still bring from $2.50 to $4 per 100.

Lilies are now getting scarce, being about through with until the Decoration Day lots come in. Valley is very plentiful, quantities of it being cut from frames; $2 is a good figure for No. 1 stock. There is quite a supply of tulips from outdoors in the market, but they do not move very briskly. The demand for sweet peas continues good; but within the past week the supply has increased and the flowers are not cleaned up quite so well. They bring from 50c. to 75c. per 100 for short and ordinary grades, while the select stock realizes $1. Pansies, too, are quite plentiful, as are nasturtiums, cornflowers, etc. Stock-jelly is now quite plentiful, making from $1 to $1.50 per 100, while extra large sprays bring $2.

The plant trade at the market stands has been fairly good so far, but would undoubtedly be much better were the weather a little more seasonable. Frost, of 6 to 8 degrees, two mornings in succession last week, is causing many customers to wait awhile.

Welch Bros. are now receiving a fine lot of American Beauty—the cutting from the new Spring crop.

Wm. Nicholson had a few Lilium auratum of excellent quality in this week, and Wm. Sim is cutting some of the finest candytuft on the market.

M. B. Bunker, of the Parker House, has gone to Philadelphia on a business trip.

Frank Good expects to go to Newport, R. I., for the Summer, starting some time after June 1. He has accepted a position with Mrs. Fadden.

Thomas Capers' white carnation, Conquest, is now coming in of very good quality. F. J. N.

PLANTS and FLOWERS.

EDELWEISS.—Albert Knapper, Frankford, Pa., sends to this office a nice pot specimen of edelweiss, which has been grown from seed obtained direct from Switzerland. Mr. Knapper informs us that treated the same as alternanthera the edelweiss grows and flourishes (the specimen sent us is a very thrifty subject), and the demand for the plants has been very gratifying.

GERANIUMS AND COLEUS.

Geraniums, Double Gen. Grant and mixed varieties, nice stocky plants, 4 in. pots, $5.00 per 100.
Coleus Verschaffeltii, 2¼ in. pots, $2.00 per 100
200 White Verbenas, in full bloom, $2.50 per 100. Cash with order please.
G. RUMMLER, - - Nyack, N. Y.

ROSES

I have the following Surplus Roses in strong plants, from 2½ inch pots, in fine, healthy condition:

Archduke Charles	Hermosa
Agrippina	Kaiserin Augusta Victoria
Bon Silene	La Princess Vera
Bride	Mme. Camille
Beauty of Stapleford	Mme. Margottin
Bridesmaid	Mme. Lombard
Climbing Perle	Marie Guillot
Clara Watson	Marie Van Houtte
Christine de Noue	Maid of Honor
Catherine Mermet	M. Niel
Devoniensis	Mozella
Enchantress	Mme. de Chateney
Ernest Metz	Princess de Sagan
Francois Kruger	Pink Soupert
Gen. Lee	Valle de Chamonix
Golden Gate	Snowflake
Henry M. Stanley	Yellow Rambler

PRICE, $2.25 per 100; $20.00 per 1000
FOR CASH.
R. H. MURPHEY, URBANA, OHIO.
Mention the Florists' Exchange when writing.

Success with House Plants
BY LIZZIE PAGE HILLHOUSE.

A complete text-book and guide to the care, cultivation and propagation of all plants in the garden and the home.

The volume is written by a woman for women, in plain, concise language, easily understood, and the book has the special merit of giving directions which can be readily followed, the methods prescribed being of the simplest, and the material suggested to be used easily within reach of all.

12mo., 232 pp.; profusely illustrated, with complete and ready reference index to all plants enumerated. Price, Cloth, $1.00; Paper, 50 cents.

To Retail Florists. The old thought, that it was dangerous for a customer to know much about the care of plants, has passed away, being superseded by the newer and more intelligent one, viz.: that the more successful a customer is with plants, the greater quantity will he or she buy.

We offer Special Inducements to all who wish to handle this book. It is a good seller.
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1000 AMERICAN BEAUTY
For immediate planting Strong, healthy stock, from 4 inch pots, 8 inch to 12 inch above pot, at the very low price of $10.00 per 100; $80 per 1000.
A Few Hundred "SPECIALS" 12 inch to 15 inch above pot, $12.
Sample plant by mail, 20 cents.
Cash with all orders, please.
JOHN CURWEN, Jr., Glen Head, L. I., N.Y.
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PANSIES AND DAISIES
Large plants in bud and bloom, $1.00 per 100; $8.00 per 1000.
J. C. SCHMIDT, Bristol, Pa.
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J. E. FELTHOUSEN,
Rooted Cutting Specialist,
SCHENECTADY, N. Y.
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CHRYSANTHEMUMS
Major Bonnaffon, and 30 kinds, from 2½ in pots, $2.00 per 100.
ASTERS Strong plants, Queen of Market, White and Mixed, at $1.00 per 100.
SURPLUS ROSES Cheap to close out, Kaiserin, Bride, Maid, Morgan, Carnot.
J. W. HOWARD, Woburn, Mass.
RUSSELL STREET.
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8000 ROSES HEALTHY STOCK.
8000 nice plants of Brides and Bridesmaid, from 3 and 3½ inch pots, at $4.00 per 100, or $35.00 per 1000; 500 at 1000 rates.
Full line of BEDDING PLANTS cheap.
2000 Brides, Kaiserins and Maid roses, from thumb pots, ready for a shift, at $2.00 per 100. A bargain.
Will exchange some stock for Chrysanthemums.
Cash With Order.
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CALIFORNIA ONION SEED
We have a limited supply left of crop 1899,
Yellow Strasburg, "Imperial Strain,"
Yellow Globe Danvers, "Imperial Strain,"
Which we offer at 85c. per lb., including delivery, by mail or express, to any part of the United States.
Sets or full grown Onions raised from California Seed, keep better than stock produced from seed grown elsewhere: Because California Onion Seed is the best and healthiest Seed in the world. All experienced gardeners know this and won't plant any other.
JOHNSON & MUSSER SEED CO.,
113 North Main St., Los Angeles, Cal.
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Cheap, Good Stock
FOR CASH.
Hydrangeas 6 inch pots, in bud, $2.00 per doz.; 4 inch pots, 10 cts. each.
Abutilon Trailing, 4 inch pots, 60 cts. per doz.
Giant Paris Daisy 3½ inch pots, in bloom, $4.00 per 100.
Fuchsias 4 inch pots, in bud and bloom, $7.00 per 100; $1.00 per doz.
Double Petunias 4 inch pots, $7.00 per 100.
Otaheite Orange 4 inch pots, 10 cts. each.
Rudbeckia, Golden, Hardy, $2.00 per 100.
Day Lily White, hardy, $5.00 per 100.
German Ivy (Senecio) R. C., $1.00 per 100; strong plants, $2.00 per 100.
Verbenas R. C., 75 cts. per 100; fine pot plants, $2.00 per 100.
Lobelia C. P., Gem and Trailing, $1.50 per 100.
Heliotrope R. C., $1.00 per 100; plants, $1.50 per 100.
ORANGE FLORAL CO., West Orange, N. J.
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Green House Material

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NEW CROP FERNS

NOW READY

$1.25 per 1000 for No. 1 Stock.

LAURAL and PINE FESTOONING, LAURAL and PINE WREATHS,

Send in your orders for Decoration Day and be sure of your supply.

CROWL FERN CO., Millington, Mass.
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Will begin shipping first week in May, price $1.00 per 1000.

Special discounts to the Wholesale Trade.
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Finest Prepared

CYCAS LEAVES

Most Flexible.
Best Coloring and Finish.

Also Raw Cycas Leaves, pressed, ready for painting. Good 36 inch leaves, $3.00 per 100; $25.00 per 1000.

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New Dagger Ferns

ARE NOW READY.

A No. 1 quality $2.00 per 1000. Order ahead for Memorial Day, and do not get disappointed,

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Henry M. Robinson & Co.,
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BOSTON.

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NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN

WILSON J. PETERS, Troy, O., President; D. S. LAKE, Shenandoah, Ia., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

Marshfield, Wis.—Macklin Bros. recently purchased a tract of land here for the purpose of establishing a nursery business.

Miami, Fla.—Grifling Bros. have bought land at Little River, and will start a nursery there. They have also taken 200 acres south of the Miami River, presumably for nursery purposes.

Park and Outdoor Art Association.

The annual convention of the American Park and Outdoor Art Association is to assemble at the Art Institute, Chicago, Ill., on June 5, 6 and 7, 1900. As a sufficient attendance cannot be guaranteed to secure special railroad rates, each member should make the best terms he can with local agents. The Auditorium Annex Hotel has been selected as the official headquarters of the association, where rates will range from $1.50 to $4 per day.

The program will provide for papers and discussions at the morning sessions of Tuesday, Wednesday and Thursday, to which all interested are invited; stereopticon lectures Tuesday and Thursday evenings, to which the public will be specially invited; and visits to the park systems in the afternoons. On Friday there will be an excursion to the drainage canal, or other places can be visited. A banquet will also be tendered to the association during its sessions.

PAPERS AND DISCUSSIONS.

Mrs. Edwin D. Mead, of the Twentieth Century Club of Boston, will prepare a paper upon municipal improvement, which will be read by President Loring, and Mr. Albert Kelsey, president of the Architectural League of America, will give an address upon the same subject at a joint meeting of the two associations on Thursday evening, June 7, on which day the annual session of the Architectural League begins.

A paper prepared by Mrs. Cyrus H. McCormick, of Lake Forest, Ill., upon "Landscape Gardens" will be presented.

Dr. Albert Shaw, Editor of the American Review of Reviews, will present a paper upon some phase of outdoor art relating to our national growth.

Mr. William R. Smith, director of the Botanic Gardens at Washington, D. C., and ex-president of the Society of American Florists, will write upon a subject relating to the arrangement and grouping of plants about architectural structures.

Mr. William M. R. French, director of the Chicago Art Institute, will present an illustrated paper upon "Composition," giving particular attention to the proper distribution of buildings, of artificial structures and of foliage about such structures.

Mr. J. H. Patterson and Mr. Edwin L. Shuey, of Dayton, Ohio, have consented to lead in the presentation of work that has been done in this and other countries toward making more attractive the surroundings of factory buildings and employees' homes. To this meeting the general public will be specially invited.

Mr. William Ordway Partridge, of New York City, will present a paper upon the proper setting of statuary in public places.

Mr. J. Frank Foster, superintendent of the South Park System in Chicago, will present a paper upon park roads, in which he will call particular attention to their maintenance and administration. The Rev. J. A. Rondthaler, of Chicago, will present a paper upon the influence of public parks upon the morality of a community. Mr. S. M. Millard, of Highland Park, Ill., will present a paper upon a subject connected with outdoor art.

Mr. Frederick Law Olmsted, Jr., of Brookline, Mass., will present a committee report on "Advertising Bill Boards;" Prof. William J. Beal, of Michigan, upon "Prizes for Designs;" Dr. Wm. W. Folwell, of Minneapolis, upon "Park Census," and Mr. C. C. Laney will report for the committee appointed in connection with work of the Pan-American Exposition.

One of the most instructive and interesting features of the meeting is to be an exhibit of photographs, showing the good and bad treatment of various subjects connected with outdoor art and the artist's conception of beauty in various objects in landscape.

A Talk on Strawberries.

A very flattering audience considering this busy season of the cultivator, gathered at the monthly meeting of the New Jersey Floricultural Society on Wednesday, May 2, in the society's rooms in Orange, N. J., to listen to the veteran horticulturalist, Dr. J. B. Ward, of Newark, who delivered an instructive address on the culture of the strawberry. Upon his place at Lyons Farms Dr. Ward has 12 acres devoted to 68 varieties of this fruit, for he is an experimentor as well as a cultivator.

The soil must receive first consideration, said the speaker, for the berry is a rank feeder, and the preparation must be as thorough as for corn or potatoes, and about the same. A heavy coat of composted manure must be afforded, turned three or four times and then turned under; he uses a cutaway harrow to pulverize. This must be followed by continuous use of the cultivator. There is a great deal of material in the soil that a plant fails to get hold of anyway, but the use of the cultivator encourages the growth of roots which enables them to appropriate the more.

Dr. Ward believes in Spring planting, because at this season the weather is peculiarly favorable to the growth of the plants, while in the Fall we have dry periods, which are correspondingly fatal. Plant now and you will only lose one in a thousand. For field cultivation plant rows 3 feet apart 15 inches in the row; if for stock plant rows 4 feet apart, and you will secure good, strong plants, and a fair yield. Keep the cultivator moving at least once a week; it will pay, particularly in dry weather, besides keeping the ground loose and friable. About September 1 give a light dressing of nitrate of soda, or potash; a little later give a heavy dressing of compost. Be careful not to put this on too early or you will smother the plants; but you will find from this treatment that they will come out in the Spring in splendid condition. The past Winter has been quite fatal to the strawberry all over the country, but by pursuing this treatment you will avoid the fatality of the open Winter free from snow, and with frequent freezing and thawing.

As regards varieties Dr. Ward places the Marshall first for market or table, but not for field cultivation; for, like the Sharpless, the yield lasts but two seasons, and third produces only small-sized berries; so destroy after two years. The Belt is a good berry. The Parker Earle requires early Fall planting to fruit and succeed the following year; destroy after two yields.

The Champion of England and Bismarck are good field berries; the latter will supersede the Bubach. Glen Mary and Brandywine are good. Hilton Gem has not succeeded, the third picking hardly paying; it is not nearly as prolific as the others. The Sample was not a success last year, but then it was a poor year for fruiting. Pierson's Seedling has been planted heavy at Lyons Farms, and is an excellent berry—dark in color and a good cropper.

In answer to a question, Whether high or low ground might not determine the variety, the Doctor said, Yes; for instance, the Gandy is raised in southern Jersey in a moist soil, for which it seems peculiarly fitted, and the yield is enormous. In that soil it will do well, and is without question a money maker, but take it from that soil it will not do well. In reference to the Henry, Dr. Ward said he had observed it side by side with the Marshall and could see no difference. Recently he had shown him the Henry grown by Mr. Rockefeller's gardener, which was different, but he alluded to his own experience. In reference to the Sharpless the Doctor said he should as leave eat squash—big, soft, a poor market and poor table berry. The Marshall, on the contrary, is as delicious as anything you can put in your mouth.

After fruiting is over, plow; plant crimson clover or cow peas. This, when plowed in, will supply the necessary humus for the succeeding crop. After turning this in with the plow let it stand a week and then plow again. It will then be ready for planting after you are through pulverizing. If left all Winter the soil will be gathering nitrogen all that time, and be in condition for Spring planting.

In speaking of potted plants, if you can get your plants rooted at the right time and not pot bound, they may do well, otherwise the pot-bound plants will have received a set-back from which they never recover. Do not fail to watch for this condition.

In uncovering look out for early frosts. Remove the covering to cultivate, and replace it. This refers to whether as a Summer or Winter protection.

In manuring use a good compost, both to enrich the soil and as a Winter protection. Broadcast nitrate before a rain in Fall. It is now too late in the season to secure any good result, as the fruit buds form in the Fall.

Mention being made as to perfect and imperfect flowering, Dr. Ward said he uses three or four rows of the pistillate berry and one row of good strong staminate variety. He had lately tried the Hun with Parker Earle, and had done well: last year the yield was not quite as good as in the preceding year. The strawberry has a tendency to run out. The Charles Downing is an example of this. He would give almost anything to have it now as it was 30 years ago.

As to forcing berries, when this subject was introduced Dr. Ward preferred to listen to others who had had more experience, and President Duff was called upon. He mentioned the Marshall as a good forcing berry and the Bubach fertilized with Sharpless. He had given up the idea that plants must be frosted before bringing under glass, and had found that plants lifted from frames and brought into the house when the gardener is ready, do as well as those subjected to more elaborate preparation. Care must be exercised to avoid a check from binding in the pots. Delaying the lifting until actually needed obviates this difficulty.

J. B. D.

Madison, N. J.

Preparations for the Fall show was the main business of the evening at the last monthly meeting of Morris County Gardeners and Florists. President Duckham announced that he had secured the Madison Assembly Rooms for the dates selected, November 7 and 8, and in addition to the main hall he had arranged for a large adjoining room on the same floor, which would form a valuable annex and prove most suitable for the vegetable exhibits, which were a great feature last year and promised to be even more so this.

A general discussion then ensued which resulted in the drafting of a comprehensive schedule, which it is expected to have finally completed by the June meeting.

The special prize feature is being well worked up this year among those who have evinced great interest in the society, its meetings and shows, and although a number of donors have yet to be finally heard from some announcements were already made, showing what may be expected when the committee having this matter in charge has completed its labors.

H. McK. Twombly, Esq., offers a prize of $50 for 36 chrysanthemums in six varieties, six blooms of each. D. Willis James, Esq., offers one of $25 for 18 blooms in three varieties, while the "Fair Oaks" prize, donated by Mrs. G. F. Stone, will be $10 for 12 blooms in four varieties. These specials, supplemented by the society's appropriation in other classes, will make chrysanthemums a great feature, but groups of plants, roses, carnations and vegetables and fruit will be similarly provided for when the schedule is issued next month.

All things point to a highly successful exhibition next November, with substantial prizes announced early, giving growers ample time to prepare.

A.

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For latest prices green and bronze Galax Leaves and Leucothoe, address the introducer,

HARLAN P. KELSEY,
Tremont Bldg., BOSTON, MASS.

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You Will Need Galax Leaves
FOR
DECORATION DAY

Write, Telegraph or Telephone.

GALAX LEAVES Brilliant Bronze, $1.25 per 1000; Brilliant Green, $1.25 per 1000.
LEUCOTHOE SPRAYS Bronze, $1.00 per 100; Green, $1.00 per 100.
PALM LEAVES Fresh Green, $2.00 per 100.
FANCY FERN, DAGGER FERN, Etc. At Market Prices.

HARRY A. BUNYARD, 42 West 28th Street, New York City.
Telephone, 2065 Madison Square.

ECHEVERIA SECUNDA GLAUCA, $3.00 per 100; $25.00 per 1000.

YUCCA ALOIFOLIA Very strong plants, 4 years old, nice for vases and lawns, $20.00 per 100; $3.00 per doz., cash with order.

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BEDDING PLANTS—First-class Stock. **Candytuft,** 2 in. pots, $3.00 per 100. **Giant Dble. Mixed Wallflower,** 3 in. pots, $4.00 per 100. **Petunias,** in bloom, mixed, 2½ in. pots, $3 50 per 100. **Stock,** white, crimson, 2½ in. pots, $3.00 per 100. **Sweet William,** fine, 2 in. pots; **Dahlias,** single, mixed, 2 in. pots; **Lobelia,** Crystal Palace and Speciosa, 2 in pots; **Asters,** Queen of the Market, 2 in. pots; **Asters,** Semple's Branching, 2 in. pots, $3.00 per 100; **Asters,** from flats, same size, $2.00 per 100. 25 at 100 rates. **Tomatoes, Lettuce** and **Cabbage,** 50 cts. per 100; $4 00 per 1000. Cash with order.
FELIX BRIDGER, Westfield, N. J.

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MAURANDYA VINE!

Rosea and Alba, just what you want for baskets and vases, 3 cts.

ALTERNANTHERAS, R. Nana, A. Nana, P. Major, 2½ cts.; R. C., 60 cts. per 100; $5 00 per 1000.
GERANIUMS, Salleroi, Mrs. Taylor, Walnut and Rose, 2½ cts.
VINCA MAJOR, white leaf, 2¼ in., 2½ cts.
BEGONIAS, in variety, 2½ cts.
TRAILING LANTANA, 2½ cts.
GNAPHALIUM, fine for baskets, etc., 2½ cts.
ACHYRANTHES, 2½ cts.
COLEUS, Beckwith Gem, Queen of West and other varieties, 2 cts.
TRADESCANTIA Multicolor, 2 cts.
GIANT SWEET ALYSSUM, 2 cts.

CASH, PLEASE.

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VERBENA KING.



Verbenas Rooted Cuttings
ALL SOLD.
Only a few thousand left of 2 in., at $2 00 per 100; $18.00 per 1000.

CLOSING OUT PRICES ON OTHER STOCK.

Carnations Strong, ready to set out in field:

	100	1000
Flora Hill	$1 00	$9.00
Wm. Scott	.80	7 00
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FUCHSIAS, rooted cuttings, all named and good, $1.00 per 100.
PETUNIAS, the best, $1.00 per 100.
AGERATUMS, 50 cts. per 100.
HELIOTROPES, rooted cuttings, 10 best varieties, 80 cts. per 100; $9.00 per 1000; 2 in., $2 00 per 100; 4 in., very fine, at 80 cts. per doz.; $7.00 per 100.
COLEUS, 70 cts. per 100; $6.00 per 1000.

Express prepaid on all rooted cuttings, and sure to please you.

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FIRST-CLASS STOCK

	Dpz.	100
Ageratum, Cope's Pet, 2½ in. pots	$0.50	$2.50
Alyssum, Giant Double, 2½ pots	.50	2.50
Begonias, assorted, 2½ in. pots.	.60	4.00
Cannas—		
Chas. Henderson, 3 in. pots	.60	3.50
Austria, 3 in. pots	.60	3.50
Italia, 3 in. pots	.60	3.50
Coleus—		
Golden Bedder, 2½ in. pots	.50	2.00
Verschaffeltii, 2½ in. pots	.50	2.00
Dracæna Indivisa—		
4 in. pots, very strong	2.25	18 00
5 " " "	3.50	25.00
6 " " "	4.00	30.00
German Ivy, 2½ in. pots	.50	2.00
Hedera Helix (English Ivy), 2½ in. pots	.50	3.00
Maranta Bicolor, 2½ in pots	.75	5.00
Salvia Splendens, Bonfire, flats	.50	2.00
Swainsona Galegifolia Alba, 2½ in. pots	.60	4.00
Pandanus Veitchii—		
2½ in. pots	3.00	25.00
8 in. high, 5 in. pots	7.50	60.00
15 in. high, 6 in. pots	12.00	

N. B.—All orders amounting to $5 00 and over are forwarded F. O. B. New York City. Orders from unknown correspondents are sent C. O. D.

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P. O. Box 31, **OYSTER BAY, L. I.**
JAS. C. CLARK, Supt. W. L. SWAN, Prop.

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SPECIAL OFFER FOR IMMEDIATE ORDERS. VERY STRONG AND FINE, OUT OF 3½ INCH POTS, IN BUD AND BLOOM, $3.00 PER 100.

ABUTILON, three varieties, and **SAVITZII.**
FUCHSIA PROCUMBENS, choice plant for baskets, etc. Strong vines.
VERBENAS, Mammoths, fine, in mixture. Strictly cash prices.
PANSIES Large flowering very fine, in bl om, $1.50 per 100. Extras added liberally.
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The choicest varieties and healthiest plants grown. Strong plants, in bud and bloom, $2.50 per 100; $20.00 per 1000.

75 finest varieties in cultivation, grown in 3½ inch po s. Strong plants, in bud and bloom, $5.00 per 100.

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COLEUS C. Verschaffeltii, G. Bedder and Queen. $6.00 Select bright fancy, $5.00 a 1000.
New large-leaved vars., grand colors, $1.
Corona, clear scarlet center, broad gold border, fine, 75 cts. a 100
Terms Cash. Extra plants to pay part expressage.
DANIEL K. HERR, Lancaster, Pa.

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CYCLAMEN

PERSICUM SPLENDENS GIGANTEUM. Finest strain in the world. Now ready to ship a splendid stock of plants, in four separate colors, from flats transplanted, $3. 0 per 100, $25 per 1000; from 2 in. pots, $4 00 per 100, $35.00 per 1000; from 2½ in. pots, $5.00 per 100, $40.00 per 1000.

PELARGONIUMS. Mme. Thibaut, Victor, Dr. Masters, Fred Dorner, Mrs. Sandiford, from 2 in pots, $1 00 per doz., $8.00 per 100. Guaranteed strictly first-class stock.

PAUL MADER, East Stroudsburg, Pa

Mention the Florists' Exchange when writing.

BARGAIN!

25,000 Plants of the following:

GERANIUMS, Double Gen. Grant, mixed Ivy and Rose, fine, 4 in., $5 00 per 100.
PETUNIAS, Giant of California; **VERBENAS,** mixed; **PHLOX DRUMMONDI,** fine, 3½ in., in bud and bloom, $3 00 per 100.
CANNAS, F. Vaughan, Mme. Crozy and Paul Marquant, 4 inch, $4.00 per 100.
LOBELIA, trailing; **NASTURTIUM, HELIOTROPE, ROSE GERANIUM,** 2½ and 3 in., $2.50 per 100.
CANNAS, out of flats, $2 50 per 100.
LEMON VERBENA and **SALVIA,** 3 inch, $3.00 per 100.

CASH, PLEASE.

WM. S. HERZOG, Morris Plains, N. J.

Mention the Florists' Exchange when writing.

GERANIUMS.

S. A. Nutt,

Fine stock from 2½ inch pots, ready to shift into 4's,

$3.50 per 100.

VIOLETS.

Princess of Wales.

Strong bench struck cuttings.

$1.00 per 100.

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

Fine Stocky Plants

	Per 100
ALTERNANTHERAS, yellow, $1.50; red	$1 75
OXALIS FLORIBUNDA, fine for vases	1 50
GERANIUMS 12 vars., fine plants, 2½ in. pots	2 75
" " " 3 "	3 75
CENTAUREA GYMNOCARPA, 2 in. pots	2 00
ASPARAGUS SPRENGERI, May 15th	3 50
ASPARAGUS PLUMOSUS NANUS, June 1st	4 00
PRIMULAS, 5 vars., July 1st	2 00
SMILAX, 2 in. pots, May 15th, per 1000, $3.00	1 00

CASH, PLEASE.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Mention the Florists' Exchange when writing.

PEPEROMIA MACULOSA to 3 in. pots, $4 00 per 100.
Bramble Rose, fine large pure white, profuse bloomer, always clean foliage, 6 in. pots, $4.00 a doz.
Ginger Plant, Zaozibar Officinalis, 4 inch pots, strong, $15.00.
Impatiens Sultani, 4 in. pots, $8.00 per 100.
Cobæa Scandens, stsked, 4 in pots, $10.00 per 100.
Nasturtiums, 4 in. pots, $7 00 per 100.
Boston Fern, Nephrolepis Bostoniensis, in 6 inch pots, $6 00 per doz.
5000 Alyssum (Carpet of Snow), new, much dwarfer and better bloomer than Little Gem, out of 3 in. pots, $3 00 per 100.
Crab Cactus, 3 in. pots, $4.00 per 100.
Phlox Drummondi, very dwarf, 3 inch pots, $3 00 per 100.
Centaurea Gymnocarpa, out of 2½ inch pots, $2.50 per 100.
Lobelia Grandiflora, 2½ in. pots, $2 00 per 100.
Lace Fern, 2½ in. pots, $6 00 per 100.
Variegated Stevia, 2 in. pots, $3 00 per 100.
Carnation Lizzie McGowan, very strong, clean, out of 2 in. pots, $1.50 per 100.
Rooted Cuttings L. Canning, best late white Chrysanthemum, 25 cts per 100.
Smilax, from flats, strong plants, 40 cts. per 100.

CASH WITH ORDER.

SAMUEL V. SMITH, 59 Goodman St. Rising Sun, **PHILA., PA.**

Mention the Florists' Exchange when writing.

SURPLUS STOCK

200 **Seedlings of Mme. Crozy,** 3 inch	100 $1.00
200 **Merry Christmas 'Mums,** 2½ inch	2 00
300 **Geraniums,** 3 inch, Gen. Grant	3.00
500 **Geraniums,** 2½ inch; varieties, S. A. Nutt, Gen. Grant, Centaur, etc., in bloom	2.00
400 **Heliotrope,** 2½ inch	2 00
500 **Coleus,** assorted colors	2.00
500 **Alternanthera,** red and yellow, strong	1.50
100 **Rudbeckia, Golden Glow,** 2 inch	2 00
200 **Cobæa Scandens,** 2½ inch,	2 00
Baby Primrose, 2½ inch pots	2 00
" " from flats	1 50
Smilax plants, from flats	1.00

CASH WITH ORDER.

WM. KEIR, Pikesville, Md.

Mention the Florists' Exchange when writing.

Can You Make Use of

	Per 100
Stocks, Double White, good value	$2 00
Mignonette Machet, strong, 2 in.	1 50
Solanum Capsicastum, 2 in.	1 50
Smilax, strong, 2 in.	1 25
Browallia Speciosa Major, 2 in.	1 00
Carex var., strong, fine for vases, 2½ in.	3 00
Boston Ferns, fine young stock, 2½ in.	5 00
Ipomœa, Blue, strong plants, 2 in.	3 00
Ficus, Long Leaved, 3 to 4 shoots	20 00
Aspidistra, to grow on	100 leaves 4 50
Asparagus Sprengeri, 2 in.	2 00
Vinca, Trailing, strong, 4 in.	8 00

A. G. FEHR, Belleville, Ill.

Mention the Florists' Exchange when writing.

GOOD STOCK

	Per 100
5000 **Geraniums,** our selection, 4 in.	$8.00
4000 **Obconica Primula,** 4 in.	6 00
5000 **Alternanthera,** large leaved, 2½ in.	2 00
1000 **Hydrangea,** Dr. Hogg, 5 in.	15.00
1000 **True Maiden Hair Fern,** 2½ in.	4.00
1000 **Salvias,** Clara Bedman, 2¼ in.	2 00
200 **Boston Ferns,** strong, 6 in.	20.00
1000 **Asparagus Plumosus,** from flats	2.00
1000 " " from soil, 7 in	20.00
2000 **Petunias,** double mixed, 3 in.	4.00
2000 **Mixed Geraniums,** 2¼ in.	2.00
1 00 **Hardy Grass Pinks,** pink bloom, clumps	3.00
1000 **Stock Plants, Flowering Begonias,** 6 in.	10.00

THE MORRIS FLORAL CO., Morris, Ill.

Mention the Florists' Exchange when writing.

COLEUS Well-rooted Cuttings. Crimson Ver. and Golden Bedder; also 7 to 10 other best sorts, all at 50c. per 100; free by mail; from 2½ in. pots, splendid plants, at $2 00 per 100. **Large, Bushy Geraniums,** 4 in., at $6.00.

CASH WITH ALL ORDERS.

MRS. M. CAVANAUGH, - Ionia, N. Y.

Mention the Florists' Exchange when writing.

ALTERNANTHERAS!

P. Major and **A. Nana,** from 2 in. pots, at $2.25 per 100, and $20.00 per 1000. Cash, please.

H. STAHLHUT,

New Lots Road & Shepherd Ave., Brooklyn, N. Y.

Mention the Florists' Exchange when writing.

GERANIUMS 3½ and 4 in. pots, $5.00 and $6 00 per 100. Beaute Poitevine, Mme. Bochner, Prof. Poirault, La Favorite, Mme. Jaulin, S. A. Nutt and Gloire de France. Mixed Geraniums, 3, 3½ and 4 in pots, $3.00, $4 00 and $5.00 per 100.
Ivy Geraniums, mixed in bud, 3½ and 4 in., $5.00 and $6 00 per 100
Pansies, second to none, $1.50 per 100.
Victoria Forget-me-nots, ready for 4 in. pots, $4.00 per 100.
Asters, to pots, $1 00 per 100. Victoria and Truffauts, mixed; Semple's, 5 colors; Giant Comet, 4 colors.
J. B. SHURTLEFF, Jr., Revere, Mass.

Mention the Florists' Exchange when writing.

200,000 Aster Plants

Strong, stocky plants, ready to plant out, Queen of the Market, Truffaut's Perfection, Comet, Victoria, and Semple's Branching. Semple's in mixed and separate colors; seed saved from the largest and most double flowers only. 50c. per 100, by mail, $1.50 per 500; $2.50 per 1000, by express.

GUSTAV PITZONKA, Bristol, Pa.

Mention the Florists' Exchange when writing.

BEDDING PLANTS **Geraniums,** 4 inch pots, $6.00 per 100, **Petunias,** fringed varieties, 4 in., $5.00 per 100; 3 in., $3.00 per 100. **Artillery Plant,** 4 in., $5.00 per 100. **Vernon Begonias,** red and pink, 2½ in., $2 00 per 100. **Coleus,** Golden Bedder and Verschaffeltii, 2½ in., $2.00 per 100; in variety, 2½ in., $1.75 per 100; rooted cuttings, 60 cts. per 100. **Alternanthera,** red and yellow, 2½ in., $1.75 per 100. **Mammoth Verbena,** 3 in., $3.00 per 100. **Sweet Alyssum,** Little Gem, 2½ in., $2.00 per 100. **Trailing Lobelia,** blue, 2 in., $1.20 per 100. Satisfaction guaranteed. Low express rates. **J. S. BLOOM, Riegelsville, Pa.**

Mention the Florists' Exchange when writing

Alternantheras

Red and **Yellow.**

2 inch, at **$2.00 per 100.**

JOHN F. HORN, Allentown, Pa.
20 NORTH SIXTH STREET.

Mention the Florists' Exchange when writing.

GERANIUMS and VINCAS

QUEEN OF THE WEST } Extra good, 4 inch
BRUANT, GEN. GRANT } pots, $7.00 a 100

VINCAS Very strong and heavy, $1.50 per doz.; $10.00 per 100. Cash please. Carnation cuttings all sold.

GEO. A. RACKHAM, 880 Van Dyke Avenue, DETROIT, MICH.

Mention the Florists' Exchange when writing.

GERANIUMS

Dbl. Grant, de Tasepede, Gloire de France, Ball of Snow and other equally good varieties, from 2½ inch pots, $2.50 per 100; from 4 in. pots, $8.00 per 100; one year old stock plants, $12.00 per 100.
Cannas, strong plants from 4½ in pots, $8.00 per 100.
English Ivies, bushy, 5-6 ft. high, $20 00 per 100.
Branching Aster Seed, mixed, 50c. per oz.
JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

ASPIDISTRA Nice pot plants, 8 to 10 leaves, 5 cents per leaf.
Vinca var., 3 inch, $3.00 per 100.
Heliotropes, 2½ inch, fine, $2.00 per 100.
Apple or Rose Geranium, strong, for 4 inch, $3.00 per 100.
Started Cannas, $3.00 per 100.
Echeveria Secunda Glauca, young stock to give good plants till spring, 50c. per 100. Cash, please.

WILLIAM STUPPE, Hollis, L.I., N.Y.

Mention the Florists' Exchange when writing.

Seedlings. Grown from the best seed that money can buy **Fine plants. Phlox Drummondi** Nana Compacta, per 100; $2.00 per 1000. **Candytuft,** Empress, 25c. per 100; $2.00 per 1000. **Sweet Alyssum,** Little Gem, 25c per 100; $2 00 per 1000. **Stocks,** Cut and Come Again, white, 30c. per 100; $2.50 per 1000. **Cosmos,** Early Dawn, 35c. per 100; $3 00 per 1000. **Asters,** the best varieties, 35c. per 100; $2.50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

In leading varieties.

3½ and 4 inch pots, $5.00 and $6 00 per 100; extra good stock, $8.00 per 100; $60.00 per 1000.

CANNAS Florence Vaughan, Crozy, 4 inch pots, $6 00 per 100.

R. E. EDE, Parkville, BROOKLYN, N. Y.
CONEY ISLAND AVENUE.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO., LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00.
Payable in advance. The date on the address label indicates when subscription expires.

CHANGES OF ADDRESS.

When notifying the publishers to send the paper to a new address, give both old and new addresses.

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Copy must reach this office not later than Thursday in order to secure insertion in issue of the following Saturday.
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ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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Exhibitions.

TEXAS STATE FLORAL SOCIETY.—The fifth annual chrysanthemum show of this society will take place at Waco, Tex., November 13 to 17 next. Mrs. M. D. Davis is secretary. E. H. Michel, St. Louis, will act as judge.

Firms Who Are Building.

BRACONDALE, ONT.—Messrs. Miller & Sons are preparing for an addition of 25,000 feet of glass.

HOPKINSVILLE, KY.—T. L. Metcalfe is building a greenhouse 30x80 feet. He recently purchased Mr. Postma's florist business.

A CHANCE FOR THE YOUNG MAN.

The third in this series of competitions closed May 7. The judges announce that they have awarded first prize to George H. Bowditch, Park Ridge, Ill. The paper submitted by James A. Lake, Concord, N. H., has also been considered worthy of recognition, and the publishers therefore have pleasure in awarding a suitable prize to Mr. Lake.

The subject for the next contest will be:

"The Horticultural Books I have read, and what I learned from them; the particular work that has been of most practical benefit to me, and why."

PRIZE—$4 worth of books or magazines, or $3 in cash.

CONDITIONS.

(1) Each MS. submitted must be written by an employee, without assistance, and the authenticity of these facts attested by the employer.

(2) No employee who has at any time contributed, or is now contributing to any florist trade journal, will be allowed to compete. Former competitors in this series are elegible.

MSS. must not exceed one thousand words in length.

All MSS. submitted in this competition to become the property of the publishers of the FLORISTS' EXCHANGE.

The awarding of the prize will be based on the most intelligent treatment of the subject, the diversity of the contestant's reading, and his ability to grasp the salient points presented in the books he has read; all as demonstrated in his paper submitted in the competition.

Competition will close June 7 next.

Write plainly on one side of the paper only.

Address all communications,

EMPLOYEES' COMPETITION, FLORISTS' EXCHANGE,
P. O. Box 1697, New York City.

The Nineteenth Century Yearbook.

The Yearbook of the U. S. Department of Agriculture for 1899 is now in press and soon will be ready for distribution.

While the general arrangement of the volume is the same as has been followed for several years a new departure has been made in the selection of subjects and the character of matter which comprise the second part. In accordance with law, the first part is devoted to the annual report of the secretary. The second part consists of 26 papers, giving a comprehensive review of the progress and development of a century in almost every branch of scientific inquiry having a direct, practical bearing upon agriculture. These papers are largely historical and portray the development of science in its application to agriculture in the United States during the nineteenth century. Among those of greatest interest to our readers are:

"Progress in Economic Entomology in the United States," by L. O. Howard; "Agricultural Education in the United States," by A. C. True; "Progress in the Treatment of Plant Diseases in the United States," by B. T. Galloway; "The Relation of Chemistry to the Progress of Agriculture," by H. W. Wiley; "Progress of Forestry in the United States," by Gifford Pinchot; "Soil Investigations in the United States," by Milton Whitney; "Progress of Economic and Scientific Agrostology," by F. Lamson-Scribner; "Progress of Plant Breeding in the United States," by Herbert J. Webber and Ernst A. Bessey; "Agricultural Experiment Stations in the United States," by A. C. True; "Seed Selling, Seed Growing and Seed Testing," by A. J. Pieters; "Progress of Commercial Growing of Plants Under Glass," by B. T. Galloway; "Rise and Future of Irrigation in the United States," by Elwood Mead.

The third part, or Appendix, has been enlarged, and contains much information of value to all persons interested in scientific and practical agriculture. It is a convenient ready-reference book, containing not only the Department directory, the directory of colleges and experiment stations, list of state officials in charge of agriculture, secretaries of state agricultural societies, and officers of various agricultural and kindred associations, but information on agricultural topics of interest to all residents of rural districts. The Yearbook is a volume of 880 pages, and is illustrated with a frontispiece, 63 plates, and 33 text figures.

The regular edition is 500,000 copies, of which 470,000 are by law reserved for the exclusive use of Senators, Representatives and Delegates in Congress, and 30,000 are allotted to the Department of Agriculture. This allotment is fully consumed in the distribution to crop correspondents and others co-operating with the Department or rendering it some service.

In accordance with the recommendation of the Secretary of Agriculture, Congress has by resolution provided a special edition of the Yearbook for 1899, to be bound in extra binding, for distribution abroad during the Paris Exposition.

Doing Business Without Accounts.

The death of a locally well-known and successful business man in a Western city, which occurred quite recently, necessitated an adjustment of the interest of his heirs in the business of the firm of which he was an equal partner with another. This disclosed the fact that for 30 years the firm had kept no account books of any kind. It had done a strictly cash business and the partners divided each day's receipts every night before locking up, share and share alike. When a bill was received for goods purchased each partner pulled out his wallet and contributed one-half the sum needed. In this way they had gone on for more than a quarter of a century—making money, paying their debts, sleeping soundly at night, no doubt, and probably feeling very sorry for their less fortunate neighbors who could not make it go. The incident is extremely interesting, but it is instructive only as showing that where perfect good faith and confidence exists between those associated in business contracts are unnecessary and account books superfluous. Unfortunately, the basis for such a relation does not always exist between partners, and the truth expressed in the homely proverb that "good fences make good neighbors" applies equally in business alliances. As to the dispensing with books of account, the conditions under which that would be quite safe, though unusual, are much more frequent in business than might be supposed. We have known of a good many fortunes built up in just that way. One of the richest and most successful contractors and operators in franchises we know of can neither read nor write, keeps no books, never sends a letter, and if he receives one has to have it read to him. But he has a good memory, attends strictly to business, makes very few mistakes and is a multi-millionaire. The basis of every success so attained is—originally, at least—the cash basis, and, once established, this is rarely widely departed from. To buy for cash—discreetly, of course—is to leave the buyer room for a profit if he sells at the credit buyer's net cost. To sell for cash is to save a profit on the credit seller's interest charges and losses from bad debts. It is not the modern method, of course. It does not offer the road to quick fortune, but it has the incidental advantage of not offering any short cut to bankruptcy. If more of those starting in business would make the attainment and maintenance of the cash basis their objective point, and would confine their operations within the safe limits of their capital, however small this may be, assignments would be infrequent and the proportion of satisfactory business successes would be much larger than statistics now show it to be.—Metal Worker.

OBITUARY.

George A. Solley.

George A. Solley, formerly of Hartford, Conn., died at Memphis, Tenn., Wednesday, May 2. He was born in Ramsgate, Eng., in 1833. His youth was spent working in a nursery there. At the age of 19 he came to America and engaged with T. G. Yeomans, a nurseryman, of Walworth, N. Y. He was at one time a member of the Parce & Solley Nursery Company. He leaves a widow, two daughters and a son.

Chas. F. Baker.

Charles F. Baker, the well-known florist of Utica, N. Y., died suddenly Friday morning, May 11, while at work in his office, 59 and 61 Cornelia street. Mr. Baker's death was due to heart disease, from which he had long been a sufferer. During the past Winter he was for several months in a precarious condition, but lately his health had greatly improved and he was able to give daily attention to business. Deceased was born October 16, 1840, in the town of Marcy, near Stittville. His father, Warren Baker, was one of the pioneer settlers who came from New England, and was a prosperous farmer. Mr. Baker attended the public schools, and remained at his father's home until he reached his majority, when he established himself in the mercantile business, at Stittville, being the proprietor of a general store there. The discovery of oil in Pennsylvania attracted his attention in that direction. He went to Pithole, near Oil City, and opened a store, which he successfully conducted several years. He then went to Utica and became a salesman in a clothing establishment, continuing there until 1876.

The condition of his health was such as to compel him to seek outdoor occupation and he resolved to enter the florists' business, commencing with a small greenhouse, which gradually developed into one of the largest florists' establishments in Utica.

The deceased gentleman was a successful raiser of carnations, the varieties Oneida and Red Jacket, his introductions, being well known. His son, Frank J. Baker, has for some time practically had entire charge of the business. In April last he was admitted into partnership. Mr. Baker was a member of the Society of American Florists, the American Carnation Society, and when the Utica Florists' Club was in existence he served as treasurer of that organization. He was universally esteemed, honorable and upright in his business relations; intelligent, kind and companionable, devoted to his family, and loyal to his friends.

The deceased was twice married. A widow and three children mourn his loss.

The business will be continued under the firm name of Charles F. Baker & Son.

The Utica florists, at a meeting held in the store of Peter Crowe, at which about twenty-five were present, adopted the following resolutions on the death of Mr. Baker:

WHEREAS, the Supreme One, in His wisdom, has seen fit to remove from our midst Charles F. Baker, who, by his integrity, industry and estimable character, found a place in the hearts of those engaged in the trade with him, it is fit that we here assembled should express in some manner our high regard for him who has been taken from us; be it, therefore,

Resolved, That we express to the family our sincere sympathy in this their hour of darkness and sorrow; and be it further

Resolved, That a copy of these resolutions be transmitted to the family of the deceased, and that we attend the funeral in a body.

Our Prize Competitions.

We desire to call the earnest attention of our readers to the Prize Competitions recently inaugurated by this journal for the purpose of stimulating an interest in and a better knowledge of several sections of the industry it covers.

To have the most successful results there must be an active competition; the publishers have done their part in the premises, and they hope their readers will be sufficiently aroused to do the rest.

There are now three different competitions running, as follows:

A CHANCE FOR THE YOUNG MAN. See this page.

COMMERCIAL HOME GROUNDS. See full terms and conditions, page 500, issue of May 12.

PHOTOGRAPHIC COMPETITION, that for this month closing on the 31st inst. Full explanatory particulars of this contest, which runs through every month up to and including September next, will be sent on application.

European Plant Notes.

The War and Trade.—The war is having an unmistakable effect upon florists all over the country. More particularly is it pressing hardly upon the little men who find themselves handicapped at every turn. As I forecasted in an earlier letter the labor problem has proved a big handful, and it is getting more difficult every day to get good men, even at a considerably higher wage than was given a twelvemonth ago. Then, the trade in cut flowers has been dumped down alarmingly. The man with money has so many calls nowadays upon his pocket that he feels constrained to economize somewhere, and, of course, it is upon the poor florist that he begins to practice first of all. In speaking to an emiaent tradesman the other day I was assured that the orders for cut flowers from a certain customer have fallen off $900 during the last six months, and that the war was to blame for it all. Even the meek-as-Moses man of flowers could scarce repress a grumble after this.

The arum season has been a good one if only we reckon the quantities of flowers that have been sent to market and sold. But the grower will not admit that the word sold represents the facts of the case; "given away" is his method of expressing it. Even after making a little allowance there is no denying it that prices have been low this year, and it does not need a very astute personage to forecast a big falling off in the next year's crop. I have heard more than one grower declare that this is the last season he is going to have anything to do with arums. One almost immediate result will be that stock will be cheap; that is, if these good malcontents do as they say.

The daffodil flux has not been characterized by anything remarkable so far; but then we cannot always have sensations served up on the bill of fare. To my way of thinking, decidedly the most promising thing of the season has been a cross between the polyanthus narcissi and the Poet's narcissus. The size and substance of the poet's flower and the fragrance of the polyanthus forms, as well as the number of blooms on an umbel, have been developed in the progeny, and the result is very noteworthy. The habit speaks of plenty of vigor, and the plants appear easy to do. It may be rather previous to be very sanguine, because only a few plants have been seen, but there is a good deal to justify the hope that the new break is going to do good service before long. Of the almost numberless other varieties which have been pasted upon the show board, and have even received certificate honors, the best far and away, in my opinion, is a Dutch variety called "Van Waveren's Giant." The flower is really a giant—full yellow, spreading cup and big lemon-yellow wings.

Petunia Charlotte.—Good, double white petunias are scarce, and yet they are eagerly snapped up. The new variety Charlotte, shown at the Royal Horticultural Society's meeting on April 24, is therefore all the more deserving of attention. An award of merit was given it then, and I shall expect to hear more about it when it gets better known. P. Erselinus, of Romford, holds the stock.—VIATOR.

New York.

Club Meeting.

The meeting on Monday evening last was again largely devoted to Convention matters, which under the able generalship of President O'Mara are progressing most favorably, all the work in connection therewith being well in hand. It was intimated that diagrams showing floor space for the trade exhibit would be distributed shortly, also that Manager Cleary had already received applications for about half the available space. Intending exhibitors should therefore lose no time in securing space, to save disappointment. Chairman Weathered of the Printing Committee reported gratifying success with the Souvenir Book advertising. Those who are to be advertisers in this book, regarding which many encomiums have been received by Mr. Weathered, should secure space at once, in order to help the committee facilitate the work of preparation.

A cup valued at $100 will be donated by Hitchings & Co., in the bowling contest. The alleys and grounds for the shooting competition have been secured, and everything points to a most enjoyable time.

The committee appointed to investigate the matter of lapsed members submitted a report, presenting most reasonable terms of re-instatement, which it is hoped will be largely taken advantage of by those who for one reason or other have meanwhile dropped from the ranks.

Daly Bros. showed a pink sport from geranium Contrast, of which they were asked to exhibit a larger specimen at some future time. Alex. J. Guttmann was proposed for membership. Mr. Ebbinger, of Holland, was a visitor. It is expected that a stereopticon lecture on flower photography will be provided by the entertainment committee at a meeting in the near future. The subject of the appointment of a superintendent for the horticultural exhibition was left in the hands of the Exhibition Committee and Board of Trustees.

The Market.

In our last week's letter we remarked that business was in a demoralized condition. We were then under the impression that trade had got about as poor as it was possible for it to get, but the torrid weather experienced at the beginning of this week, just about brought all the flower business to a standstill. The intense heat resulted in increasing the supply of flowers materially over the receipts of a few days ago and the same conditions shut off what little demand there was (excepting for steamer departures and funerals). The thermometer was climbing up in the nineties on the shady side of the street.

To give an idea of how flowers are selling we may state that white lilac is offered at $1 per barrel, carnations 25c. per 100, or from $1 to $2 per 1,000; ordinary outdoor lily of the valley, 50c. a 100; narcissus, 15c. and upward to 50c.; callas, $2 to $3 per 100; lilies, 30c. to 50c. per dozen.

Roses are the greatest drug in the market, and while a few special blooms may fetch a reasonable figure the majority of those disposed of go in straight slips at prices ranging from $2.50 to $5 per 1,000. In dozen lots special Beauty have realized 15c. each; by the hundred they could be had for 10c., but they were not wanted in such quantities. A few special Bridesmaid have brought 6c., but the number coming in of this grade is infinitesimal as compared with the total supply. Bride do not realize so well as the pink variety; this can only be accounted for by the cheapness of lilies and white lilac, and the demand being mostly for flowers for funeral uses. Pæonies have arrived in limited quantities. The supply of sweet peas is increasing, with little demand for them. Tulips are about over. Violets are only seen occasionally. Cattleyas are to be had anywhere from 25c. to 40c. each; smilax is not meeting with much demand, and has got down to 10c. and 12c.

Auction Sales.

The sales of bedding plants have been very large in the auction marts, and geraniums particularly are bringing good prices.

Among the Retailers.

Steamer trade is fairly good, but other branches of business are comparatively quiet. The excessive heat of Monday and Tuesday was more like that of midsummer than of May, and had a very depressing effect on the trade in general.

Brevities.

F. W. O. Schmitz, with his wife and family, sailed for Antwerp on the S. S. Southwark, Wednesday last.

Erast G. Asmus arrived home on Sunday from Paris, France.

W. F. Sheridan, chairman of the Reception Committee, calls for a meeting of the same in the clubrooms, corner of 27th street and Broadway, Monday the 27th inst., at 4:30 p. m.

John Young had some choice flowers of Miltonia Roezlii album during the past week.

Thomas H. Jackson, retail florist, has removed from 51 East 73d street to 1023 Lexington avenue.

At the recent show of the American Institute, the rose Queen of Edgely was awarded a silver medal. Julius Roehrs, Carlton Hill, N. J., took first prize for the display of orchids, and Lager & Hurrell second. Mr. Roehrs also took the premium for herbaceous calceolarias. Siebrecht & Son took first for cut roses and for h. p. roses in pots, also for violets, and a display of flowering shrubs. John Lewis Childs, Floral Park, was awarded first for collection of hardy herbaceous plants. Mr. Pettit, gardener to the Deaf and Dumb Institute, took second prize in the calceolaria exhibits.

Commercial Violet Culture

Price, $1.50. Send for a copy.

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Roses in California.

Generally speaking the nursery business here is on the move, more or less, for the entire year, stock in most all lines being carried in pots. In the matter of rose bushes very many of the retail buyers in this city do not know what a "dormant" rose bush is, having bought quite generally plants growing in tin cans, such as a lard pail or tomato can. Nearly all buyers in this city prefer to see plants in full foliage when purchasing, and not a few insist upon seeing the plants in bloom before buying having often paid for certain sorts which proved to be some others after maturity. For specimen plants and city trade we have this season used wooden boxes 7 inches square by 8 inches deep, which give a splendid root capacity; and plants can easily be transplanted from these to the open ground and with no tet-back to growth. We have used several thousand of them, and the public generally agree that they are rather ahead of tin cans.

We inclose herewith a photograph, taken last January, showing a partial view of our city salesyard located in the rear of our store and cellar. Unfortunately, your humble servant seems to be the most prominent feature of the illustration. The plants to the immediate front on the right are Maman Cochet, just potted up and not in foliage. The large plants next to the shed near store door are Marechal Niel, which are about 6 to 7 feet high and in full foliage, having been dug with the dirt on roots (balled) and transplanted to boxes.

Our basement for storing dormant plants runs full size of the store—about 30x100 feet. With us enormous cellar room is not necessary, as we are able to dig plants any day during the late Fall and Winter; in fact, having to strip the foliage from the wood regardless of time of digging.

THE CALIFORNIA ROSE COMPANY,
Per C. E. HOWLAND.

BRIEFS FOR BUSY FLORISTS.

MARGUERITES, OR PARIS DAISIES.—Cuttings of these should be put in as soon as possible. Plenty of side shoots will be found at the lower part of the branches, and they need not be over 3 inches in length to make good cuttings. If the propagating bed is crowded, the Marguerite cuttings will strike just as well if four or five be put together in a 3-inch pot and placed in any shaded corner of the greenhouse.

COCOS WEDDELIANA.—There never seems to be too much stock of this useful palm, and those who utilize it in quantities cannot do better than procure young plants now and grow them along through the Summer. A common mistake made with the cocos is to over-pot it; this must be avoided to have well furnished plants. When repotting shift only into one size larger pots, drain thoroughly; do not have the soil fine and do not bury the neck of the plant. Keep them in a well-shaded house through the Summer. If the thermometer registers over 90 degrees they will thrive so much the better, provided they are kept sufficiently moist by regular syringings daily.

CYCAS STEMS.—To start these into growth the quickest way is, after they are potted, to plunge the pots to the rim into a moderate hotbed. A deep frame, with the sash heavily shaded, is an ideal place for them. The sash needs to be kept raised continually to admit air, and as soon as the crown of leaves is 4 or 5 inches long they must be removed to the greenhouse bench, where full light can be had. The stems can also be started without bottom heat, but much longer time is necessary. If potted and placed under the bench in the greenhouse, and kept just moist, they start well; and although they take a little longer time they make very satisfactory growth afterward.

FERN BALLS.—These are approaching their best now and have to be watched carefully that they do not suffer for water. When dormant they will stand almost any harsh treatment, from being dust dry to freezing; in fact, the Japanese dealers say they are better for being frozen slightly; but while they are growing they must not be allowed at any time to get dry and wilt, or their usefulness will be gone. When watering, lift them down and dip overhead in a pail filled with water, then every part of the ball will get thoroughly soaked.

ABUTILON SAVITZII is one of the most ornamental bedding plants we have. Last Summer it proved to be the best of anything in the line for light effect in the beds or borders. Where this plant has not been tried for such a purpose we can heartily recommend it, as in mixed bedding it can be used; and it will also add beauty to any basket, vase, window box or border.

Orchid Culture in Leaf Mould.

Epiphytal orchids, when cultivated in light leaf soil, seem to flower more abundantly than when grown in the ordinary way. The following is the course of procedure recommended by some Belgian growers: "For this culture orchids recently imported should be chosen. Sufficient drainage is placed in the pot and the plant is fixed upon the soil, which is slightly elevated to form a small hill in the pot. The surface is then covered with a layer of living sphagnum. The necessary degree of moisture to maintain the sphagnum always fresh is assured by syringing. No other vegetation, such as moss, fungus, etc., penetrates the soil, of which the roots of the orchids can thus make full use, without the air entering at the center of the pot. The soil should be thoroughly decomposed, and should consist of 30 per cent. of oak leaves, 15 of white beech, 15 of alder, 15 of ash, 15 of red beech, and 10 of coarse white sand. The exact proportion of each of these elements to be applied to one or the other kind of epiphytal orchids cannot be indicated with precision, but has to be found out by experience. The essential point in this method of culture is to place the plants as far as possible under circumstances which answer best to the natural conditions under which they are found in a wild state, and to water very carefully, avoiding every excess, as this compost is more retentive of moisture than the usual one of fibrous peat."—Orchid Review.



Partial View of City Sales-Yard of California Rose Co., Los Angeles, Showing Method of Boxing Rose Plants.

Pan-American News.

During the progress of the exhibition the Horticultural Department will hold several special displays of flowers. Premiums, medals and diplomas will be offered for the best exhibits in various classes at each exhibition. The announcement is thus early made so that intending exhibitors may have an opportunity to prepare suitable stock to produce exhibition quality. The dates are not definitely settled on, and in the case of roses it will be difficult to fix a date to suit wide degrees of latitude; but there is probably not more than two weeks difference between New York City and St. Paul, and the second week in June will find many fine flowers in both localities.

The second week of May will be devoted to carnations; roses the second week of June; sweet peas during the first or second week of July; gladioli, the first and second week of August; dahlias, the first week of September; cannas, the third week of September. The writer would be glad to hear from any who can suggest a better date to suit the majority of our Northern growers.

WILLIAM SCOTT.
Room 726, Ellicott square, Buffalo, N. Y.

Culture of Lilies.

Read before the Pennsylvania Horticultural Society, by Joseph McGregor.

The question has been asked, which lily is the better, Harrisii or longiflorum? So far as my experience has been, I have never obtained the same results from longiflorum that I have from Harrisii, but I think this is on account of not being able to secure as large bulbs of longiflorum. It is claimed that the latter variety is less subject to disease than Harrisii. Both require about the same treatment.

WHEN TO POT THE BULBS.

It has been my custom to pot the bulbs just as soon as received—about the end of August—using any ordinary potting soil, such as is employed in growing roses and carnations; but I would not advise a very liberal use of manure at this potting. Much has been said and written as to whether it is best to pot the bulbs in the pots in which they are to bloom or place in a smaller size pot at first, and then shift the plants into larger size pots later. I have practiced both methods, with good results from each, but prefer to use the small-size pots when starting the bulbs, and then shift them later into larger pots.

For the largest size bulbs of Harrisii a 6-inch pot is best; medium bulbs, 5-inch, and small bulbs, 4-inch. After potting place them closely together in a cold frame, in any out of the way place, and give a good watering; cover to the depth of 2 inches with coal ashes or sphagnum moss. They will now require very little attention for the next two months; or until November 1, when they should be protected with sash or shutters at night, as they will now be pushing through the covering and must be kept from frost.

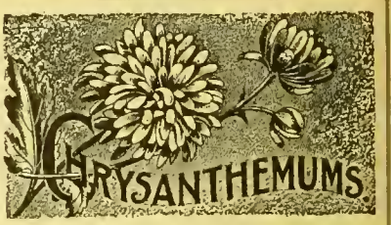
TIME TO REMOVE TO THE HOUSE.

Early in December the plants should be removed to a cool house and kept at a temperature of 50 to 55 degrees at night. By this time the pots should be well filled with working roots, and the plants should be 4 to 6 inches high. They should be shifted into their flowering pots, which should be two sizes larger than those in which they were started. Use good soil, well mixed with one-third well-rotted cow manure. After potting water well. Care must be exercised in watering; do not give too much until the roots have well taken hold of the new soil. When the plants get to be 16 to 18 inches in height they should be staked, otherwise the stems will get crooked and unsightly. The plants will now be in condition when they may be brought into bloom at the will of the grower.

TEMPERATURE.

If wanted to bloom April 1 the flower buds should show by February 10. To keep free from insects syringe occasionally with tobacco extract, or fumigate and water with liquid manure.

Lilies grown in this way will be very satisfactory, more so than those potted late and then finished by forcing in a temperature of 80 to 90 degrees, during the last two weeks before flowering as many growers do. And then they wonder why the plants collapse so soon!



The season for getting this crop into condition and planted is once more at hand. Many florists, I know, cannot plant their chrysanthemums until the bedding stock is disposed of, because their space is limited; but for the very finest flowers we like to plant in good season, to get a good "bottom" on the plants, before the extremely hot weather.

Where the head room is limited to 3 feet or so the benches should not be planted till well into June, and then only small plants used. Many flowers are spoiled every Fall for want of a little foresight at planting time. On side benches only the dwarf varieties should be set, such as Glory of the Pacific, Midge, Bonnaffon, and others.

In making up your mind what kinds to grow it is always well to study your own market, whether you intend to grow for a local trade, or wholesale. For New York market you must grow only clear decided colors. A good white, yellow and pink is all that is needed, and remember that very early kinds sold at a ridiculously low figure in New York last Fall.

For your local trade you doubtless have some varieties that your customers particularly fancied. Those are the kinds to handle, and you are the best judge as to whether you can handle many of the very early ones or not.

In regard to soil the chrysanthemum is not over particular so long as it is moderately rich and the drainage of the bench good. A good free loam, with a fair sprinkling of bone meal through it and a little well-rotted manure suits admirably.

We plant 10 inches apart and grow to single stem, and don't think it any too much when the plants get up 5 or 6 feet. For smaller-sized flowers, of course, the plants can be put in thicker; but we always like to be on top and get the highest price. After planting make the bench firm, the firmer the better, and then the plants make a firm, short-jointed growth, which, when well ripened in the Fall, is bound to produce high-class flowers.

After planting it is not wise to drown out the beds with water. Until the plants begin to make vigorous growth the soil immediately round each plant only should be watered, then the bed will not get soured. Bright, warm days the house should be sprayed well over—walls, paths, plants, and everywhere, to keep down the temperature. Such spraying also keeps down insects to a large extent. The black fly is by far the most troublesome insect that bothers the chrysanthemum, and is only got rid of by the persistent use of tobacco in any of its varied forms—dust, stems, or liquid. The green fly is quite a nuisance some years, and needs more looking for than the black fellow, because he always gets right in the tips of the shoots and injures the foliage while it is very small. There are several other kinds of insects troublesome in their season which will be dealt with some future time.

Nothing is gained without effort, and the man that starts in with the idea of growing good chrysanthemums will find it applies to his particular case just as much as if he were learning Greek or trying to figure out the Filipino question. Always try to get your plants clean as soon as they are planted, to give them every encouragement. I have seen plants growing that were wreaths of black fly, and the owner after a spasmodic effort to clean them late in the Fall figured out that it would have been cheaper to have grown nothing at all than grow chrysanthemums at the price he got. He was probably correct.

IORA.

PRIZE COMPETITION.

SUBJECT—What Benefits Have I Received and Pointers Obtained from My Visits to Other Greenhouse Establishments and the Flower Shows?

FIRST PRIZE PAPER

By Geo. H. Bowditch, Park Ridge, Ill.

The pointers and benefits I have received in attending flower shows, and in visiting other greenhouse establishments are many, and some of them very valuable. I will take the flower show first.

I think one of the greatest benefits derived by florists from visiting flower shows is getting themselves acquainted with all the new plants and flowers, because they can there see them all staged together; they can compare them with each other and also with the older varieties. In visiting a show I always take a note-book with me and put down the names of all new varieties, their forms and colors, their bad and good points as I see them, and keep those notes for future reference. I examine the different classes of plants and cut flowers that are staged for competition; I find the ones which have the first, second and third-prize tags tied to them, and note the difference between them and those which did not take any prizes, thereby getting a pointer as to how good a flower or plant has to be, to be termed first-class, and which will generally take the prizes.

Then there are the table decorations, floral designs and the grouping of palms. In those classes I have received a great many pointers, by getting the different ideas of arrangement of my brother florists, all grouped together, where I could compare them, thereby obtaining the newest, from an artistic standpoint, and a knowledge of the different plants and flowers that are used to create the best effect.

Also the different pot plants, flowering and foliage. I note how they are trained, tied, and the shape and form of each, and the size of pots they are grown in. I get pointers as to which are the best for exhibition and commercial purposes. I can also see the different novelties under one roof, whereas if I did not attend the flower show I would have to spend a great deal of money and time to see all these.

Another great benefit I have received is in having the best products from greenhouses for miles around, all together, so that I could examine and compare them. Before leaving I take a general view of the show, noting the arrangement of everything to bring about the most artistic results.

The benefits and pointers I have received from visiting other greenhouse establishmeats are also many. In the first place I have made the acquaintance of a great number of my brother florists. I have got into conversation with them and found out their opinions on different subjects relating to the business. I have noted the different construction of greenhouses—the even span, long and short span to the south, also where the houses are built separate, or in blocks, and the size of glass, rafters and ventilators, which are mostly used. Then I have seen which houses are the best, those with butted glass or those with lapped glass. As far as I have observed I think the lapped glass the more preferable, as there is not so much drip as with butted glass, and it can be repaired easier. Then I have become acquainted with the different systems of heating, the up and down-hill and overhead ia hot water, and steam heating; the sizes of pipes mostly used and how they are arranged to get the best results. I have also seen the different makes of boilers and noted the good and bad points about them.

Then, too, I have noticed the effect which different soils have on flowers of the same kind and have seen which soil they liked the best; also the arrangement of the benches and which bring the best results. I have received a great many pointers on the different ways of propagating stock of all kinds, and have seen how plants grow when potted under different treatments. I have become acquainted with the different systems of tying and staking plants of all kinds, also the different ways of forcing bulbous stock and the plants and flowers not grown on the place where I work. I have also learned the natures of the different diseases of plants and the various insects that attack them, some of which I had never seen before. I inquire what treatment is given to get rid of them so that I may know what to do should they appear on plants which are under my care. Then I see the different ways of mulching, top dressing with pure manure and with half manure and half soil. I think the last the more preferable, unless the manure is well rotted. Also I have noted the several ways of feeding with manure water. The best I have seen is to have two large tanks, one raised higher than the other. Put the manure in the upper one, then fill it with water, allowing the mixture to stand to ferment, then strain off and run it into the lower tank and pump from there through pipes into the greenhouse, and water with the hose. I have also observed the different ways, and the plants that are used in filling window boxes, vases and hanging baskets; also how much nicer an establishment looks that is kept clean, with "a place for everything and everything in its place."

In conclusion, I think we all ought to visit each other more, exchange ideas, and keep up with the times in everything.



Pansy Cottage, Newport, R. I., after Fire. Gardeners' and Florists' Fire Company in foreground.

The Gardener, Florist and Flowers.

The following extracts are taken from a very interesting paper recently read by George O. Brown before the Gardeners' Club of Baltimore:

"There is something or some line that every florist may become especially skilled in. When one makes a great success in any one branch he is justly recognized as an expert. Such persons are sometimes called 'cranks.' However, when any florist has reached the point where he is called a crank he should go around behind his best greenhouse and heartily shake hands with himself and say, and say it out loud, too: 'Well, old boy, let me congratulate you; you have become a success and are Now envied.' Success in any occupation is not stumbled into. There must be ability, capacity and ambition to bring it about. The true student of nature—and there are many of them who modestly allow themselves to masquerade as simple florists or gardeners—soon becomes a veritable artist. His discernment of artistic effects becomes exceedingly acute, and nature in all her varied forms and moods is studied with pleasurable interest.

"The coming exhibition of the American Carnation Society will be a historical event in the annals of this club. Every member should feel it his duty to aid the worthy president of this club to help give himself and the other members of that society a royal welcome, to extend to them the genuine proverbial Maryland hospitality. I have noted that some of the sayings of the members of this club are in a degree paradoxical. They complain that flowers are sold in the markets at such low prices they cannot make the business pay any longer. If some of them expect to get any longer prices than they asked in the markets the Saturday before Easter Sunday, it will not matter what the market hucksters sell their truck for. The next thing I have noticed of the florist who makes such complaints is that he has started to build one or more new greenhouses, probably to further add to his poverty list.

"Since my association with this club I begin to flatter myself that I have become quite a student of florists' styles. Often I see a handsome woman come sauntering down the street behind a huge corsage bouquet. I study it—the bouquet I mean, of course—I want to satisfy myself whether I can tell by the make-up of the bouquet if it is a Hallidayian, a Feastanian, Seidewitzian, Smithsonian, Grahamania, Cookania, Bergerainan or not.

"There are some shrewd florists. The poem of 'The Man With the Hoe' doesn't fit many florists. I once read of an American florist who advertised in foreign papers giving an elaborate description of 'the Great American velvet plant.' All his orders were filled with the mullein plant. Another florist, a student of human nature, once sold to a rich customer whose financial resources were greater than his floral information a big order of plants. He called everything by their highfalutin Latin names, so that the purchaser didn't know what he was buying. He didn't know what is in a name. The customer came back, however, and reported that there had been some mistakes, as the helianthus that was sent him was nothing but a devilish big sunflower, the celosia was nothing but a blamed little sawed-off coxcomb, salvia was only sage, and the amaranthus was nothing but the princess feather."

Grand Rapids.

The weather has turned from frosty nights to torrid Summer heat, and flowers are becoming very plentiful. It is inferior stock that is a drug; all first grade flowers selling. Prices remain the same as in my last report. Great preparations are making for Decoration Day business.

Mr. and Mrs. Masserman, of Muskegon, were recent visitors. G. F. C.

Camden, N. J.

Through a fire which occurred in the Farmers' Market House, May 14, M. L. Mowns, florist, was a loser to the extent of $5,000.



(112) **These Bulbs Got Mixed.**—I bought 100 bulbs each of Lilium Harrisii and L. longiflorum. One lot was Japan and the other Bermuda-grown. After potting both kinds in 6-inch pots they became so mixed in handling that I don't know which was which. One kind started much earlier than the other, came up to about 2 feet on the average, and bloomed in good time for Easter. The other kind started slowly and the plants were all dwarf, about 9 inches, and very unsatisfactory in every way. Can you from this description tell me which was Harrisii and which longiflorum, so that I may know which to grow next year?—J. H. W.

—The bulbs that started first and came in easily for Easter were the Harrisii. Longiflorum are always the later of the two, providing the same treatment be given to both.

(113) **Soil for Roses and Carnations.**—J. W.—The best soil for roses and carnations is the top, 5 or 6 inches, taken from an old pasture. Make it into a pile and mix with it one-fifth of rotted stable or cow manure.

(114) **Tying Carnations.**—J. W.—There are many ways of tying up carnation plants. The method we prefer is to run wires directly over the space between the rows of plants longitudinally; then run string crosswise, fastening to each wire. It will be necessary to have the first length about 8 or 10 inches from the bed; the second length need not be put in until the plants need it. With this method no sticks are required, and by being adjusted occasionally the foliage goes straight up through the squares formed by the wire and string. There are also on the market some good wire devices for staking carnations any of which is to be preferred over the wooden sticks.

Rochester, N. Y.

A petition has been presented praying for the voluntary dissolution of the W. S. Little Company, and an order has been made returnable the last Monday in June.

The petition states: "The business for which this company was formed has not been successful or lucrative." It is further stated that the petitioners have lost all the money they invested for capital stock. There are no creditors, they say, and no debts. As a further reason for the dissolution of the corporation they state that the firm name "W. S. Little Company" has been many times confused with the firm "W. S. Little & Co.," another corporation doing a nursery business. Their mail has become mixed up, and the two corporations confused in other ways.

Newport, R. I.

Pansy Cottage, the Summer home of Mr. W. Storrs Wells, at the corner of Bellvue and Ruggles avenues, this city, was completely destroyed by fire Friday evening, 4th inst. The grounds have justly been considered among the best kept in Newport, and the loss is all the more regrettable as a considerable part of the lawn had been regraded and almost completed, as was a large addition which has been made to the house during the Winter, there being over 50 men employed at the time on the interior finishings. The work was being rushed so as to have the house ready for occupancy the present season. The building is almost a total loss, and is said to be insured for $200,000.

Hose Co. No. 3, manned chiefly by gardeners and florists, were the first on hand. Reaching the scene about 8:20 p. m. they held to their posts until 6 a. m. Saturday morning, at which time the photograph was taken.

I regret that through extreme modesty several of the members fail to appear in the picture, among them Andrew S. Meikle, the gardener at Pansy Cottage.

Mac.

Chicago.

State of Trade.

The flower business is summerish in the extreme—even before its time. It fell off immediately after Easter, and will now hardly improve before Decoration Day, when it is hoped a better clearance at fair prices will result. Then comes the school commencement demand; afterward a settling down to Summer conditions.

The past week has seen big stocks of roses and carnations thrown on the market. Owing to four days of excessive heat—80 to 87 degrees—nearly all roses opened on exposure, and in too many instances have had to be disposed of for what could be got for them. The color of Bride suffers badly; Meteor is better, and Reinberg's Golden Gate is good, with some monster flowers but deficient in foliage.

Carnations are also very abundant, with good standards now at $1 per 100. Chinese pæonies are coming in, but so far find no great demand. Some good parrot tulips and poet's narcissus are seen, otherwise bulbous stock is about over. There are still plenty of lilies, with slow sales.

Bedding out is now in full swing, and there is no reason why a fair price should not be obtained for all the good stock there is in this market.

The show of 36,000 tulips, in front of the palm houses in South Park, was one of the best displays of tulips ever seen in this city. The colors were well assorted, and all the bulbs bloomed at the same time.

Among Growers.

The exhibits of W. N. Rudd, of Mt. Greenwood, will be missed this year at the Fall exposition, as he is growing no plants for that purpose. Two of the old houses are to be rebuilt. A splendid lot of sturdy zonal geraniums are finely in flower. They are not forced into growth and have reasonable room to grow in.

Mr. Williams, the new foreman, says there is scarcely any sale for singles. Their prime favorites are Heteranthe, John Doyle, Miss Frances Perkins and a pink and white, name not known. They have a fine lot of new kinds, from Ward, which they will put out on trial; also some charming pelargoniums. Among them—real acquisitions in this market—may be noted Dorothy, a soft rosy salmon, dark maroon blotches richly shaded with plum color around the throat; Emperor of Russia, deep purplish maroon with white margin; H. M. Stanley, lower petals soft carmine, upper ones deeper with maroon blotch; Mme. Thibaut, white blotched and marked rose upper petals crimson maroon, white center, petals ruffled; Mrs. R. Sandiford, snow white, faint blotches; Victor, bright cherry red with white markings, upper petals heavily spotted, and Captain Raikes, bright crimson, black blotch. A fine strain of a single petunia is a great favorite with lot owners. Carnations here this year are planted in the field again. The principal varieties to be grown are Crane, The Marquis, Maceo, White Cloud and two seedlings, No. 1, of Daybreak style, and No. 6, a dark red.

The chrysanthemums are all in pots ready for planting when room can be given; the number to be grown is about 5,000.

They have a very useful dwarf canna of their own raising, with dark foliage—just the thing for planting in baskets, vases and the like. It is a fine, bold, dark crimson flower.

Joseph Klimmer, Oak Park, being near cemeteries, is just beginning the Spring trade. As is usual in this city only double geraniums pay to grow. His general stock consists of Alphonse Ricard, Beaute Poitevine, J. J. Harrison and La Favorite, but he is working up a stock of Mme. Jaulin. A general assortment of bedding plants, including the Vernon section of begonias, suitable for cemetery trade, is grown. He has two houses of carnations still in good shape. America is better with him than Crane. As a white he thinks much of Glacier. Cerise Queen is no good; Mrs. Frances Joost did not pay—late in coming in. Melba is good and sells well, as does Mrs. James Dean. He still grows Triumph and Scott for general stock.

The George Wittbold Co. has begun the erection of two houses, each 27x125 feet, to be rushed through as soon as possible. George M. Garland has the contract, and also the wrecking of the old R. J. Lewis place, on Racine avenue, that the Wittbolds have purchased. They will also rebuild connecting houses, front and rear of their Buckingham place. They have planted four tons of cycas stems with three tons more on the way. They are also receiving heavy shipments of palms from Germany, of kinds they cannot grow fast enough to supply their trade. A fine business this year is doing in ground work, and planting suburban residence lots.

John Lang, on Robey street, has a few city lots on which is a greenhouse plant covering 101x100 feet, with half a dozen frames of same lengths as houses. There is also just enough land to grow carnations for his own use. He raises 7,000 chrysanthemums also. As the location is in a part of the city well settled by mechanics and the working classes he has a fair home trade in flowers. His great aim is to so work his houses as to give all possible room to bedding plants in the Spring. To that end he has now some 80,000 plants that will easily find sale between now and the end of the season. Naturally, zonal geraniums stand at the head with 25,000, of which Rev.



The Late Charles F. Baker.
(See Obituary Notice, page 522.)

Atkinson, Clifton, La Favorite, Mme. Charles Moline, Mary Hill, S. A. Nutt, Heteranthe and Centaur are the leaders. He at one time depended upon cut flowers to a large extent, but in this later day of monster cut flower farms he has wisely sought other methods, and by always keeping the houses well filled, his is an example that there is still a chance for the smaller places, even if the houses are of the older type, and the location not the best for pure air.

Fred. Hills, Maywood, is building a house 30x127 feet. When completed it will be planted with chrysanthemums, Asparagus Sprengeri and mignonette. The house is detached and on the back is a mushroom shed, 12x127 feet.

Leo Walz, lately with A. Lange, has started in business for himself, at 40th street and Michigan avenue. Ess.

Cincinnati.

Trade Stationary.

Business remains about the same as last reported, with plenty of stock to fill all orders. Sweet peas are now coming in quite plentifully, and sell fairly well. The general price is 50c. per 100.

I notice your St. Louis scribe is somewhat amazed at my statement regarding the amount of money taken in by the growers attending our flower market the Saturday before Easter. Possibly a short sketch of this market might not be out of order: Fifty-seven growers attend the market house, which, by the way, is a building costing $15,000 and is occupied by florists exclusively, growers only holding stands. At Easter time you all well know that the grower makes his best effort to have plenty of stock for the occasion, and every stand is loaded with cut flowers and plants. Of course, the grower having the choicest material reaps the largest harvest, and many of the standholders sell from $150 to $300 worth upon this occasion. So you can easily figure out the total.

Club Meeting.

Saturday evening last was the regular meeting night of the Florists' Society. Nominations were made from which to select directors for the coming year. The annual meeting takes place June 9, and it is earnestly requested that all members will make a special effort to be present. The Summer meetings will be held at the residences of several of the craft, and invitations are already coming in. We have found these meetings to be very beneficial in many respects. They not only keep the society working, but create a degree of good fellowship that can be got in no other way.

E. G. GILLETT.

Philadelphia.

Market News.

Owing to the extreme warm weather the cut flower business has gone from bad to worse. On three days this week the thermometer registered 90 degrees and over in the shade. This cut down transient trade and made the production of flowers larger; all kinds of stock are a complete glut, with no established price—everything is in favor of the buyer. Around the commission houses it is difficult to find room for the flowers; in fact, many are sold to the street men direct from the boxes.

All the growers of bedding plants are doing a splendid business; many things are already sold out. Cannas are now in great demand, as also are geraniums; many large growers are sold out of both.

Visitors in Town.

M. B. Bunker, Boston, and Miss Scott, daughter of Wm. Scott, Buffalo, who is visiting the family of Robert Craig.

Penna. Hort. Society.

At the monthly meeting of the Pennsylvania Horticultural Society on Tuesday evening there were some good exhibits of hybrid calceolarias in competition for the Ridgway Prize. Thos. Roberts, gardener to Col. E. Y. Morrell, Torresdale, was first, and Wm. Kleinheinz, gardener to Mr. P. A. B. Widener, Ogontz, second. For the Michell Prizes, for herbaceous or shrubby calceolarias, Geo. A. Brown, gardener to Mr. Robt. N. Carson, Chestnut Hill, was first, and John Thatcher, gardener to Mr. Edw. Le Boutillier, Wynnewood, second. For cauliflower, Jas. Campbell, gardener to J. D. Winsor, Haverford, took first; Jos. Hurley, gardener to Mr. Jas. M. Rhodes, Ardmore, second. The latter exhibitor also staged a splendid collection of gloxinias in 4-inch pots, well flowered and with very robust foliage. These had been grown for the past two months in a medium temperature with sphagnum moss banked up between the pots. Alphonse Pericat, gardener to Mrs. Geo. B. Wilson, exhibited a plant each of Cattleya intermedia alba, and Cattleya Skinneri alba; these were awarded a silver medal and certificate in the order given. DAVID RUST.

Chestnut Hill, Pa.

At the regular monthly meeting of the Chestnut Hill Horticultural Society held recently the following premiums were awarded:

For calceolarias, William Kleinheinz, gardener to Mr. P. A. B. Widener; three ferns in not over 6-inch pots, Geo. W. Brown, gardener to Mr. Robert N. Carson; three heads cauliflower, Wm. Robertson, gardener to Mr. J. W. Pepper; three heads lettuce, John Little, gardener to Mr. John Lowber Welsh; one bunch of asparagus of 25 stalks, Harry Harris, gardener to Mr. Gratz. First prize for rhubarb also went to Wm. Robertson, while the premium for the best specimen palm was taken by Geo. W. Brown. Wm. Boyce, gardener to Randal Morgan, Esq., was awarded first for the best collection of vegetables, and Frank Gould, gardener to Mr. J. T. Morris, first for best collection of herbaceous cut bloom. The following items were also of special interest: A collection of very fine double flowering wallflower, grown by Frank Gould; a grand vase of assorted roses, exhibited by Mr. Kleinheinz; specimen plant of weigelia (Eva Rathke) in full bloom, exhibited by Messrs. Landreth & Sons. Robert E. Carey, gardener to Mr. Thos. C. Price, was also given notice for a handsome vase of mixed carnations, and Michael Punch, gardener to Mr. R. Le Boutellier, was awarded special mention for a well-flowered plant of Maxillaria tenuifolia. Another novelty was a small plant of edelweiss (Leontopodium alpinum,) shown by Albert Knapper, of Frankford, Pa.

Ten were admitted to membership and 14 persons proposed. The society is going forward at a good pace, and the indications are that with the end of our first year we will have a fairly established institution. J. H. H.

Hartford, Conn.

Trade Items.

But little fault could be found with trade the past week—a number of funerals, wedding and dinner decorations having taken place which used up quantities of flowers. Roses are fairly good in quality, and the supply is about equal to the demand. Carnations are not overabundant; whites were very scarce the past week owing to the large demand for them. Sweet peas, all colors, are plentiful, but not much called for; quantities of them are used in funeral work. Bulbous stock is over for this season. Some very fine gladiolus and valley are being received.

The pansy plant trade is about over; this branch of the business is getting less satisfactory each year for the florists, the plants being sold by so many grocery stores and meat markets. A few years ago the florists had no trouble in disposing of all their stock at 50c. a dozen; now the grocer or meat man sells pansies at from 25c. to 35c. a dozen. The plants are raised by the near-by farmers and brought to the city by the wagon load.

The bedding plant trade has not fairly commenced yet, owing to the cold weather. The frosts last week did considerable damage to the fruit trees around here, also to the few bedding plants which had been set out. The growers are looking for a rush when trade does open up.

Notes.

John Speelman, of Speelman & Son, Holland, was a recent visitor; he was accompanied by his wife. Mr. Speelman was contemplating buying a Columbia bicycle while in this city to take back to Holland, but I did not learn whether he made his purchase or not.

C. K. Swenson had the decorations for the Schultz-Taft wedding Wednesday at St. John's Church. It was one of the largest weddings that has taken place here in some time.

John Coombs furnished the floral decorations for the Alpha Delta Phi dinner which was given at the Allyn House Friday night. The decorations were composed of asparagus, lily of the valley, roses and carnations. Covers were laid for 125, and at each plate was a boutonniere of lily of the valley.

J. F. C.

Syracuse, N. Y.

The value of having a live horticultural society in a community could not be better illustrated than by the successful efforts of the Central New York Horticultural to inculcate a greater love of flowers among the people, and Mr. A. D. Perry, who was its able president for many years, and labored so hard to keep the society together in its younger days, must feel gratified at the results.

The season here is very backward. Last week the weather was quite cold, with several snow flurries; and on the 6th there was 5 degrees of frost. The fruit buds were not sufficiently advanced to receive much injury. H. Y.

FIRES.

BEAVER FALLS, PA.—The greenhouse of Louis Suter caught fire May 7. He believes it is a case of incendiarism. There was $350 insurance, but his loss exceeds that sum.

Why My Tobacco Dust
Fine or Coarse
"The Black Stuff"
"2 cts per pound
50 to 1000 pounds
The Best for Florists
Is my specialty, I have made the wants in this line by the growers a study and know the grade that kills; if it fails your money back
H. A. STOOTHOFF 116 West St N.Y.C.
Mention the Florists' Exchange when writing.



Flatbush, N. Y.—The following scores were rolled Thursday evening, May 10:

	1	2
C. Wœrner	110	71
P. Riley	142	126
P. Dailledouze	103	127
C. Woeker	175	107
Papa Zeller	61	85
L. Schmutz	138	132
W. Prosser	101	163
G. Thinnes	129	99
H. Dailledouze	153	141
S. S. Butterfield	112	104

Chicago.—The two concluding games in the contest spoken of in my last were bowled by John Degnan and P. H. Hauswirth, with the following result:

Hauswirth	149	128	=277
Degnan	188	125	=313

Showing Degnan an easy winner. Phil, not yet satisfied, challenged his opponent for another ten games, five of which were played with the following scores:

Degnan	178	148	158	156	151	=797
Hauswirth	145	130	129	167	186	=757

The same night were also played the following games, Mr. Evans, of Richmond, Ind., being among the rollers:

	1	2	3	4	5
Evans	119	128	165	..	..
Savage	179	170	132	..	..
Kreitling	125	111	110	..	..
Hartshorne	111	119	130	..	..
Balluff	180	155	184	215	222
Hauswirth	188	190	..	..	..
Degnan	168	195	..	..	..
Pruner	133	141	..	..	..

New York.—Monday was almost too hot to indulge in bowling, but a few enthusiasts peeled off their upper garments and made the following scores:

	1	2	3	4
A. S. Burns	142	139	123	141
J. Thielman	155	182	125	134
L. Hafner	116	132	143	149
F. H. Traendly	111	170	161	145
T. Roehrs	125	153	177	152
J. A. Manda	190	132	138	141
J. I. Donlan	..	..	..	126

Denver.—The following scores were rolled by our bowlers, Tuesday, May 8:

	1	2	3
Berry	154	216	168
Benson	171	119	173
Scott	170	203	198
Valentine	212	111	133
Applegate	..	140	227
Mauff	..	..	157

DENVER.

Newport, R. I.—In the match Thursday night, May 3, on the alley of the Newport Artillery Company, the Artillery team gave the Columbins, the gardeners' second team, a few points as to how the game should be played. The gardeners were beaten at every stage. The scores were as follows:

ARTILLERY COMPANY.

	1	2	3	Total
Priv. J. C. Matley	128	119	97	344
Priv. H. M. Ackers	113	144	152	399
Priv. A. T. Bailey	133	108	180	421
Priv. H. Smith	156	165	181	502
Corp. G. F. Smith	122	124	142	388
Totals	612	660	752	2054

COLUMBIAS.

James Cowles	66	84	115	265
A. Wiles	100	96	93	289
H. Westley	89	93	117	299
W. F. Smith	118	104	104	326
J. G. Kyle	107	110	128	345
Totals	408	487	557	1524

Scorer, Corp. C. H. Barlow and Lieut. F. M. Fullerton; umpires, J. F. Allen and R. Gardiner; referees, A. McLellan and Priv. G. Gillian.

Three Newport bowling teams went to Fall River May 10, and rolled a match on the Casino alleys. The teams were the Artillery, Gardeners and Columbia, the Artillery winning by a large margin, scoring 1,879, the Columbins making 1,598, and the Gardeners 1,497. The Gardeners were short one of their regular players.

Philadelphia.—The florists' team has entered the national bowling match to be held in Schutzen Park, West Hoboken, N. J., July 15-22 next.

To the Florists' National Bowling League.

Greeting:

To an enthusiast of this, which may be called the national game of the American florists, it is a great pleasure to peruse the scores and read the various accounts of the games as they appear weekly in the trade papers, and note the interest that is taken in the contests at the various floral centers of the country. An evening now and then passed in the company of congenial spirits engaged in friendly rivalry at a game of ten pins is not, as some who take a narrow view of life seem to think, time wasted. Such an occasion brings together socially and affords much needed recreation to men whose business demands almost their whole attention, but who manage to get an hour or two occasionally to engage in this popular game and derive much benefit from the amusement and exercise it affords them.

The inter-city matches that take place from time to time are very interesting events, and a source of great pleasure to the contestants as well as their friends who come to cheer them on to victory, or condole with them in defeat, as the case may be. Whatever the result of the game, however, it has no serious effect on the spirits of the players; they have gathered together, had a good time socially, and return home much benefited by their outing.

The last national tournament during the convention at Detroit, and others that have gone before, still linger as pleasant memories, and from the reports of the games now coming in weekly it is seen that the interest is being kept up, with the hope, no doubt, of capturing some of the prizes at the coming contest during the meeting of the S. A. F. in New York next August.

This tournament promises to eclipse all previous contests, and will doubtless exceed in magnitude all similar events that have yet been held. It is safe to say that more clubs will be entered and many more prizes offered than ever before. The New York Club has already secured several valuable trophies, and the National Association also have, in addition to its sweepstake prize of $100 or over, had given to it several handsome cups to be offered as its committee deem best.

In order that there shall be no confusion, and that everything in the matter of prizes and schedule shall be ready when the time for the contest arrives, I have appoiated a committee to attend to these important matters, and assist the officers of the national organization in carrying them out. This committee is composed of the following gentlemen: John Westcott and George C. Watson, of Philadelphia, and Wm. J. Stewart, of Boston.

I would suggest that the clubs in the different cities who intend taking part in this tournament get together individually and talk the matter over. The committee would be glad of any suggestions that the clubs have to make that will further the interests of the game. The rules adopted at the last meeting of the League in Detroit seem all right. I might call attention to the rule which says "That all contestants shall be members of the S. A. F., identified in some manner with the business and a member also of the florist's club of the city he represents." While it is a hardship to those who after coming a long distance find they are short a man, it is at the same time not fair to fully equipped teams to allow perhaps a strong bowler substituted, as it leaves them open to the imputation that the omission was intentional, with the idea of thus gaining strength. Any city who desires can enter the tournament with members from their florists' club, and of the S. A. F. as well, without belonging to the Florists' National Bowling League. Membership in this organization costs each club $10 per year, the membership fee being used as a sweepstake to purchase prizes to be bowled for by the members of the organization only.

Several of the clubs have already forwarded their dues for this year to the treasurer, Mr. J. F. Wilcox, of Council Bluffs, Iowa, and I would request all others who desire to join the League to forward the amount to him at once, as with the membership known the committee can work more intelligently, and having the prizes in readiness before the contest can arrange the schedule so that all shall have an even chance to win.

ROBERT KIFT.
President of A. F. B. L.

Commercial Violet Culture

Price, $1.50. Send for a copy.

A. T. DE LA MARE PTG. & PUB. CO., Ltd.,
2 to 8 Duane St., New York.

NOTICE!

ELWOOD BRANT is the lessee of my Greenhouses.

MADISON, N. J., May 15, 1900. T. J. SLAUGHTER.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Material, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

SITUATION wanted; up-to-date grower of roses and carnations, five years' experience, best references. R. Z., care Florists' Exchange.

YOUNG man of good address, with seven years' experience in the business, wants position in store or on commercial place. R. W., care Florists' Exchange.

POSITION wanted by reliable man, as foreman in roses and carnations, Am. Beauties specialty; 15 years' experience, good references; give full particulars, requirements, wages, etc. Address R. Y., care Florists' Exchange.

WANTED a situation as a grower of roses, carnations, 'mums, violets and general stock; married, no children; best of reference; please state wages and full particulars in first letter. Address F. F. Rentz, Neppesville P. O., Lancaster Co., Pa.

POSITION wanted by a German just arrived from England, 25 years old, single; can read, write and speak German, French and English; have a lifetime's experience in the three above-named countries in all branches of horticulture; can do anything from propagation to making up of all kinds of flowers; have had wide experience in park and outside work—in fact, every department; desire a place where capabilities can be made use of and worth appreciated; strictly sober and capable; would take a position in charge or as private gardener on a gentleman's place; first-class references; please state position and wages. Herman Fink, care Geo. M. Lyon, Poughkeepsie, N. Y.

SITUATION WANTED BY YOUNG Scandinavian gardener and florist; 12 years' experience; first-class California references. Address, with particulars, S. A., care Florists' Exchange.

HELP WANTED.

WANTED—An assistant for roses and carnations; married man preferred; wages, $10 per week; good recommendations required. John Reck, Bridgeport, Conn.

WANTED, landscape draughtsman familiar with nursery stock and nursery work. Good position for an energetic young man. J. Wilkinson Elliott, Carnegie Building, Pittsburg, Pa.

WANTED an experienced rose grower, sober and industrious; steady position to capable man; single man preferred. Address Jos. F. Knzicka, foreman for L. A. Noe, Madison, N. J.

WANTED working foreman, thoroughly competent, steady and sober, must have good reference, no other need apply. Write or stating experience, etc., and salary wanted. Greene & Underhill, Watertown, N. Y.

WANTED a man who has had experience in rose growing; must be sober and industrious and have good references; steady place for the right man. Apply to the foreman at the place of E. G. Asmus, West Hoboken, N. J.

WANTED, a good florist to grow roses, carnations and general bedding stuff; wages, $25 per month and board; after the first year $30 to $35 if he can fill the bill; state experience and references. C. Humfeld, Clay Centre, Kans.

WANTED first-class foreman for commercial place; must be well up in roses, carnations, etc.; the houses are new and well equipped, and to the man who can give good results a liberal salary will be paid. Address, stating former experience, S. D., care Florists' Exchange.

WANTED experienced seedsmen to take full charge of vegetable and flower seed department of Western seed house; good salary and position for right man; must be able to furnish first-class references. Address immediately, giving full particulars, S. C., care Florists' Exchange.

HELP WANTED.

WANTED young man, not over 25 years old, to assist in the rose houses; one who has had some experience in retail work, making up, etc., preferred; must be temperate and a good workman; wages $38 and room per month. Apply to R. Miller, Exeter Rose Conservatories, Exeter, N. H.

WANTED—PROPAGATOR, ONE WHO thoroughly understands summer propagation, first-class man only; apply with experience, recommendations and expectation. R. O., care Florists' Exchange.

WANTED AT ONCE, MIDDLE AGED all-'round florist, good grower and worker, who can take charge at times; married, German preferred, steady position to right man, house furnished, wages $40 to $50 per month. Also second man of experience. Carl Beers, Bangor, Me.

MISCELLANEOUS WANTS.

WANTED 3000 ft. of 10x12 glass, double thick, state price. George I. Laird, 3014 Fulton St., Brooklyn, N. Y.

WANTED, to rent couple of greenhouses with small dwelling and 1 to 2 acres of ground. R. S., care Bollmann, 294 Broadway, Brooklyn.

WANTED—3000 FT. 4 IN. CAST IRON pipe, 9 ft. lengths. Myers Bro's., El Dorado, Pa.

MISCELLANEOUS.

FOR SALE—1000 to 1500 feet 4 inch pipe with all fittings; will sell all or part; price 10 cents per foot as it stands. John McGowan, Orange, N. J.

FOR SALE—3 locomotive pattern boilers; all the above are second-hand steam boilers, in good condition. Address R. F., care Florists' Exchange.

BUSINESS OPPORTUNITIES.

TO LET OR LEASE—Two greenhouses, 20x100, and one 10x75; potting house and land; Long Island, 20 minutes from city. For terms, address 124 E. 27th St., New York.

FOR RENT or sale—Moore's greenhouses at Highland, N. Y., 3 houses, each 23x200 feet, and propagating houses, about 23,000 feet glass; all the Moore violets which took the Madison Square Garden first prizes were raised in these houses. Address Bristor, 206 Broadway, New York City.

FOR SALE—Two greenhouses, one 120x20, other 60x20, office front, double thick glass, hot beds and sash. Large spring stock now on hand. Town of 30,000 inhabitants within 6 miles; no opposition, as nearest greenhouse is 24 miles away; two acres of good land, houses in good condition, steam heat, all new last year, including new boiler; will give possession right away; other business cut of town cause of selling. R. M., care of Florists' Exchange.

FOR SALE—240 ACRES OF LAND ON Isthmus of Tehauntepec, State of Vera Cruz, Mexico. For full particulars write Roland Hughes, 846 New York Life Building, Kansas City, Mo.

FOR SALE OR RENT—GREENHOUSES and 8 acres of land, within 5 miles of center of Philadelphia, in an improving district; 45,000 feet covered with glass, steamheated, stocked with roses, carnations, asparagus, smilax, violets, etc.; 12-room dwelling; stable. For further particulars, address Evans' Rowlandsville Nurseries, Station F, Philadelphia, Pa.

FOR SALE—THE MORRIS FLORAL CO., Morris, Ill., consisting of 12 houses, 20,000 square feet of glass, 2 cottages, barn, 6 acres land; doing a retail and wholesale business; increase of business over last year was $1,282.61 up to April 1st. The plant cannot be built to-day for $20,000. Reason for selling: A. Mitting Sec'y and Mgr., retiring; there is nobody else in the incorporated company that is a florist. Terms, $3,000 cash, balance good paper. Open to the highest bidder; all bids will be opened on July 1st by the directors. If you mean business, come and see this new plant.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A PLOT 220x125 FEET, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues.

This property will be sold cheap to quick cash buyer.

HITCHINOS & CO., 233 MERCER STREET, N. Y.

Buffalo.

Though late in arrival Spring weather now prevails with a showing of cherry blossom displays, and the occasional tulip beds on the city lawns vie with the dandelions now most noticeable everywhere.

Cold weather that was inclined to frosty up till several days ago retarded the plant trade, the which is now starting in, and orders are said to be booking freely. Bedding pansies in flower are noticeably fine and attractive, and plentiful, too—a very fair grade retailing at but 25c. per basket of a dozen clumps.

Last week the flower trade was generally dull, with roses really too abundant to be salable. Buyers hardly seemed to care for them, and Saturday may have been called a "rose day." A department store and also a restaurant, both in the shopping district, seemed to vie in giving out gratis the largest numbers to lady callers. One florist establishment also advertised a special sale at 25c. per dozen, and it is reported that several thousand roses were here thus parted with. Only 40c. a dozen was an asking price in the Chippewa Market for good quality, and Main street stores offered freely at 5c. each.

Jottings.

C. F. Hageman, of New York, was a recent caller, and mentions a satisfactory state of order-taking in his business.

S. A. Anderson was in Philadelphia last week, buying palms, we understand.

Dan'l. B. Long has removed his publishing business to Room 30, of the Lewis block, Swan and Washington streets.

J. H. Gould, of Middleport, was in town on Saturday. He mentions such a recently increasing cut flower trade in his vicinity that he inclines to give the retail trade his better applied attention, and contemplates opening a branch in Medina most directly.

C. S. Ford arrived in town on Saturday of last week. The receipt by him of the unexpected news of the death of his brother caused him to break off his present trip, he leaving at once for his home.

VIDI.

Brooklyn, N. Y.

Chas. Kromback, whose greenhouses are close adjoining Greenwood Cemetery, reports business in a very prosperous state this Spring. For the planting of cemetery lots pansies have been used to a larger extent than was ever before known. The prevailing taste tends to planting in blocks of separate colors. Mr. Kromback has a strain of these which, by the way, were raised from imported seed, that are of more than average size and very beautiful in their colorings; and to compare them with other strains, by which they are growing side by side, they make the latter shrink into insignificance. Although the Spring may be termed a backward one, it is a noticeable fact that the planting of geraniums and such bedding plants is more advanced this year than has been the case in previous ones at the same period. Mr. Kromback has already planted over 15,000 geraniums, with other plants in proportion. The demand for carpet bedding shows a decided increase, and this fact is welcomed by all cemetery florists. There is a great scarcity in this neighborhood of English ivies, and the price of them has advanced materially, proving a good thing to those who were fortunate enough to have some stock on hand.

10,000 FRENCH MAMMOTH PANSIES

Bagnot's and Cassier's strain, cold frame grown in bud and bloom, $1.25 per 100; $12.00 per 1000

CONVERSE GREENHOUSES, Webster, Mass.

Mention the Florists' Exchange when writing.

PANSIES

Large, stocky transplanted plants, showing bud, from cold frames, 50c. a 100; $3.50 a 1000; 5000, $15.00.

Geraniums, Grant, Hill, Nutt, Pink and La Favorite, all in bud and bloom, 4 inch, $6.00 per 100.

Heliotrope, 3 inch, $3.00 per 100.

Lobelia, in bud and bloom, 2½ inch, $2.00 per 100.

WHITTON & SONS, Wholesale Florists,

City and Green Sts., Utica, N. Y.

Mention the Florists' Exchange when writing.

Pansies Worth Raising

Small plants all sold.

Now left but flowering plants from field, at $2 00 per 100, and up.

C. SOLTAU & CO., 199 Grant Avenue, **Jersey City, N. J.**

Mention the Florists' Exchange when writing.

PANSIES Funkia, Lunalia, Mist.

See needs and exchange offer in previous issues.

Good, strong, field-grown **Pansies,** in large variety, commenced flowering in September, per 1000, $12.00; in October, per 1000, $10.00; for May and June flowering, per 1000, $8.00. Strong seed bed Pansies, $3 50 per 1000. **Perennial Phlox,** mixed varieties, $3.00 per 100. **Miet,** $5.00 per 100. **Funkia Lancifolia,** $1.50 per 100. Cash With Order, Please.

W. C. JENNISON, Natick, Mass

Mention the Florists' Exchange when writing.

PANSIES

The Jennings Strain.

Extra fine stocky plants from cold frames, in bud and bloom, **$1.50 per 100; $13.00 per 1000.** Second size, fine plants, in bloom, **$1.00 per 100.** Cash with order.

E. B. JENNINGS, Lock Box, 254. **Southport, Conn**

Grower of the finest Pansies.

Mention the Florists' Exchange when writing.

Farquhar Violets Strong plants from 2½ inch pots, $3.00 per 100, $25.00 per 1000. Cash with order. Rooted cuttings all sold.

THOS. F. O'BRIEN, 26 Folsom Street, **Roslindale, Mass.**

Mention the Florists' Exchange when writing.

MARIE LOUISE

VIOLET CLUMPS

In A No. 1 condition, no disease, at **$5.00 per 100.**

CASH WITH THE ORDER.

W. H. SCHNABEL, Croton Falls, N. Y.

Mention the Florists' Exchange when writing.

MARIE LOUISE VIOLETS,

3 inch pots, **$2 50 per 100.**

FUCHSIAS Mixed, 2½ inch, **$1 50 per 100;** Rooted Cuttings, **75c. per 100.**

W. H. PARSIL Summit, N, J.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

New Imperial Violet

From 2-inch pots; $3 per 100; $25 per 1000.

Satisfaction Guaranteed.

T. G. THRASHER, Avon, Mass.

Mention the Florists' Exchange when writing.

VIOLETS We still have plenty of Lady Campbell and Swanley White, rooted cuttings $6 00 per 1000 now; pot plants, 2½ in., will be ready by June 10th.

CARNATIONS, 1000 R. C., White Cloud, $25.00.

CANNAS, Boavier and Crozy, $8 00 per 100.

GERANIUMS, S. A. Nutt and Bruantii, 4 in. pots, $7.00 per 100 with, and $6.00 per 1000 without, pots.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

Marie Louise and Lady Campbell Violet

Runners and rooted cuttings now ready. Potted plants ready next month. Good healthy stock. ☞ Write for prices, etc.

J. BENNETT, Violet Farm, Blue Point, L.I., N.Y.

Mention the Florists' Exchange when writing.

GERANIUMS In good varieties, in bud and bloom, 3½ in. pots, per 100, $5. IVY GERANIUMS, in good varieties, in bud and bloom, 3½ in. pots, per 100, $5 00. MME. SALLEROI, 2½ in. pots, per 100, $2.00.

Fuchsia, 4 in. pots, per 100, $12.00. **Heliotrope,** 2 varieties, 2½ in. pots, per 100, $2.50. **Salvia,** 2½ in. pots, per 100, $2 50. **Ageratum,** Cope's Pet, 2½ in. pots, per 100, $2 50. **Lobelia,** 2½ in pots, per 100, $2.50. **Single Petunias** 2½ in. pots, per 100, $2.50. **Periwinkle,** 3 in. pots, 100, $3. Cash with order.

WM. J. CHINNICK, Trenton, N.J.

Mention the Florists' Exchange when writing.

Daisies, Violets and Baby Primrose

L. H. Campbell, California, rooted runners, 6 c. per 100; $5.00 per 1000. Princess of Wales, the best single Violet, and Swanley White, 75c. per 100; $7.00 per 1000.

Baby Primrose, by division, 3 c. per doz., by mail per 100, $2.00. ☞ CASH WITH ORDER.

P. M. De Witt, Bridgewater, Bucks Co., Pa.

Formerly of Torresdale, Pa.

Make Money Orders payable at Eddington, Pa.

Mention the Florists' Exchange when writing.

Commercial Violet Culture

Price, $1.50 Per Copy.

CHRYSANTHEMUMS

A large list of the best new and leading standard varieties. Strong, healthy, vigorous plants from 2 to 2½ inch pots. There are none better; most of our customers tell us there are none so good. Send for complete list.

The Following CARNATION PLANTS

Still left. Genevieve Lord, from sand, grand stock. $10.00 per 100; $75.00 per 1000. America, Gomez and Maceo, $5.00 per 100. Joste, Pingree, $2.50 per 100. Gold Nugget, $3.00 per 100.

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

GREEN AND GOLD MRS. SHEPHERD'S NEW FANCY PERENNIAL CHRYSANTHEMUM.

Entirely New and Distinct. A Lovely Variety, with **Foliage Beautifully Variegated Clear Yellow and Light Green, the Yellow Predominating.** Handsome without flowers, but when adorned with its Large, Double, Creamy White, Fluffy Blossoms it is **Beautiful Beyond Description.** It is a Vigorous Grower. **Comes True.** Does equally well bedded out or under glass. **A GRAND NOVELTY.**

Having a fine stock I offer this rare plant at **20c. each; $2 00 per doz.; $10.00 per 100.**

A SPLENDID NOVELTY FOR CATALOGUES.

MRS. THEODOSIA B. SHEPHERD, Ventura-by-the-Sea, Cal.

Mention the Florists' Exchange when writing.

VERBENAS

Best mammoth sorts mixed, 3 in., $3 a 100.

Heliotrope, 2 varieties, 3 in., $3.00 per 100.

Double Petunias, 2 in., $2 00 per 100.

Passiflora Pfordii, 4 in., $10.00 per 100.

Cobæa Scandens, 4 in., $6.00 per 100.

Cash With Order.

JOSEPH F. SMITH, - Burlington, N. J.

Mention the Florists' Exchange when writing.

Healthy, Strong Plants.

Carnations, in pots, Scott, $1 25 per 100; Flora Hill, $1 50 per 100; **Ivy Geraniums,** 3 colors, 60c. per doz.; **Alternanthera,** red and yellow, $1.50 per 100; **Thunbergia,** 60c. per doz.; **Hardy Ivy,** 60c. per doz.; **Rose Geranium,** 60c. per doz.; **Lantana,** 2 kinds, 60c. per doz.; **Vinca,** 4 inch, 75c. per doz.; 3 inch, 50c. per doz. Cash with order, please.

ALEX. SCHULTZ, Phillipsburg, N. J.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Following from 2½ inch and soil, $2.00 per 100; $18.00 per 1000: Bergmann, Lady Fitzwygram, Glory of Pacific, M. Henderson, Lager, Bonnaffon, White Monarch, Yanoma, Mrs. O. P. Bassett, Maud Dean, Robinson, Ivory, Belle of Castlewood.

CASH WITH ORDER, PLEASE.

A. NELSON, Notch Road, **Paterson, N. J.**

Mention the Florists' Exchange when writing.

COLEUS!

Crimson Verschaffeltii, Golden Queen, Golden Bedder, and Mixed Rooted Cuttings, 60c. per 100; $5.00 per 1000. 2 in. pots, $1.50 per 100.

HELIOTROPE, 12 varieties, 2 in. pots, $2 per 100.

GERANIUM, Pink Beauty, 3 in. pots, $3.50 a 100.

ALTERNANTHERAS, 2 in. pots, P. Major, $1.75 per 100; A. Nana, $1.50 per 100.

PANSY PLANTS, in bloom, extra choice colors, stocky plants, $1 00 per 100; $8.00 per 1000.

Cash With Order.

C. A. HARRIS & CO., Delanson, N. Y.

Mention the Florists' Exchange when writing.

IVORY 'MUMS

Fine stock, 2½ in. pots, $2 00 per 100; $17.50 per 1000.

BROWALLIA GIGANTEA

Finest blue bedding plants 2½ in. pots, $3.00 per 100; $25.00 per 1000.

SET OF BEST 1899 GERANIUM NOVELTIES

Including one **America,** $2.00, worth $4 00.

Cash, please.

HENRY EICHHOLZ, Florist, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

20,000 ASTERS

Semple's, Truffants and Victoria, 4 colors each; Vicks Branching and Queen of the Market mixed; Peony flowered, mixed; Pompon, mixed; Dwarf Chinese, mixed; Giant Comet, mixed; Quilled, mixed; Heart leaved, mixed; Cocardeau, mixed; Hohenzollern, mixed; Victoria, mixed; Ostrich Plume, mixed; Japanese, mixed; Crego, mixed; Perfection, mixed; Mammoth Branching, mixed; Dwarf Bouquet, mixed; Dwarf German, mixed; Dwarf Victoria, mixed; Dwarf Truffaut's Perfection, mixed; Dwarf Queen of the Market, mixed; Dwarf Comet, mixed; Dwarf Ostrich Plume, mixed; Dwarf Cocardeau, mixed; Dwarf Hohenzollern, mixed; Dwarf Heart leaved, mixed; Dwarf Quilled, mixed; Dwarf Japanese, mixed; Dwarf Crego, mixed; Dwarf Perfection, mixed; Dwarf

Bangor, Me.

The weather in this vicinity is very cold and damp with recurring cold rains. Heavy frosts were experienced in the last couple of weeks. This has a retarding effect on bulbous stock for Memorial Day. Spring cuttings, carnations, spiræas, violets, etc., are for the most part out. The florists all report business fairly good.

Carl Beers has launched out as a horticultural auctioneer, holding weekly sales, with a success hardly to be expected in a locality small as ours, but he is a hustler, and it is the novelty of the thing that attracts. The sales were first held in the Winter Garden, which is now much too small and necessitates opening a large store on Main street, where future auctions will be held. Branches are to be opened in Ellsworth, Dover, Belfast and Houlton, in which latter place a greenhouse will be erected this year. In addition to his large area of glass at present under cultivation, four large, commodious modern houses are to be built this year for roses and carnations; the heating apparatus to be hot water under pressure.

Bedding stock this year is of the finest.

V. P. V.

Strong Plants.

BRIDES and BRIDESMAIDS

2½ in. pots, $3.00 per 100; $30.00 per 1000.
3 in. pots, $6.00 per 100; $50.00 per 1000.
3½ and 4 in. pots, $7.00 per 100; $60.00 per 1000.

EOW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

ETHEL CROCKER

30,000 plants, from soil, for April and May delivery. Crocker has filled every claim made for it and is worth a trial by every grower who wants the best pink carnation in the market.

25 for $2.50; 100 for $10.00; 250 for $18.75; 1000 for $75.00.

PANSIES FREYA AND FAIRY QUEEN.

Two good bedding novelties. Transplanted seedlings at $1.00 per 100. A few of my regular strain. Write for prices.

DWARF PETUNIA.

Adonis, carmine, with pure white throat, And **Snowball**, a pure white. They are always in bloom and a good plant for retail.

25 of each for $1.00, or $2.00 per 100, from 2 inch pots.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

ROSE PLANTS

From 2½ inch pots.

	Per 100
Kaiserin	$3.00
Perle	3.00
Golden Gate	3.50

CARNATIONS

ROOTED CUTTINGS.

	Per 100	Per 1000
MRS. BRADT	$2.00	$15.00
America	2.00	15.00
Melba	2.00	15.00
Gov. Griggs	2.00	15.00
Leslie Paul	2.00	15.00
Gold Nugget	1.00	7.50
McGowan	.75	5.00
Wm. Scott	.75	5.00
Nivea	.75	5.00

PETER REINBERG

51 Wabash Ave.,

CHICAGO, ILL.

Mention the Florists' Exchange when writing.

ROSES

Extra Strong Stock, from 2½ in. pots.

Splendid Assortment of Hardy Sorts.

Send for Price List.

JACKSON & PERKINS CO., Newark, New York.

Mention the Florists' Exchange when writing.

Rooted Cuttings of New and Standard

CARNATIONS.

SEND FOR PRICE LIST.

WM. SWAYNE, Kennett Square, Penn.

Mention the Florists' Exchange when writing.

ROSES.

Well established plants, from 3 inch pots, average 6 inches high.

	Per 100.	Per 1000.
Bride	$6 00	$50 00
Bridesmaid	6 00	50 00
Perle	6 00	50 00
Meteor	6 00	50 00
Morgan	8 00	

W. T. & F. P. BUTZ, New Castle, Pa.

Mention the Florists' Exchange when writing.

CARNATIONS

From 2½ in. pots and soil.

Maceo and Crane, $5.00 per 100. White Cloud, Mrs. Bradt and Gomez, $4.00 per 100.

VINCAS VAR., 4 in., 3 in. and 2½ in., $6.00, $4.00 and $2.50 per 100.

GERANIUMS, 2½ in., S. A. Nutt, B. Poitevine, Riccard, Grant and La Favorite, ready for 4 in., $3.50 per 100; 4 in., $6.00 per 100.

CASH WITH ORDER, PLEASE.

A. NELSON, Notch Road, **Paterson, N. J.**

Mention the Florists' Exchange when writing.

Extra Strong Plants of

JOOST

FROM SOIL.

$15.00 and $20.00 per 1000, according to size.

Chicago Carnation Co., Joliet, Illinois.

Mention the Florists' Exchange when writing.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing.

WM. MURPHY,

Wholesale Carnation Grower.

Sta. F., CINCINNATI, O.

Mention the Florists' Exchange when writing.

BRIDES AND 'MAIDS

2½ inch, ready for a 3 inch shift.

$3.00 a 100; $25.00 a 1000.

CASH WITH ORDER.

J. B. HEISS, The Exotic Nurseries, **Dayton, Ohio.**

Mention the Florists' Exchange when writing.

CARNATIONS

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BRIDES, BRIDESMAIDS and PERLES,

From 2¼, 3, 3½ and 4 in. pots.

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ASPARAGUS SPRENGERI, 2½ in., $3.50 per 100; $30.00 per 1000.

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	Per 100	Per 1000
McGowan	$0.75	$5.00
Pingree	.75	5.00
Scott	1.00	7.50
Flora Hill	1.25	10.00
Armazindy	1.25	10.00

ROSE PLANTS.

From 2½ inch Pots.

	Per 100	Per 1000
Meteor	$3.00	$25.00
Bridesmaid	3.00	25.00
Bride	3.00	25.00
La France	3.50	30.00

American Beauty Rose Bushes.

	Per 100	Per 1000
From benches	$2.50	$20.00

LA FRANCE

	Per 100	Per 1000
Lifted from benches	$2.50	$20.00

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From 3 inch pots, $9.00 per 100; $80.00 per 1000.

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GENERAL MACEO	4 00	35.00
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...Wholesale Prices of Cut Flowers...

	Names and Varieties	New York May 18, 1900	Boston May 17, 1900	Philadelphia May 17, 1900	Baltimore May 17, 1900	Buffalo May 15, 1900
Roses	A. BEAUTY, fancy—special	6.00 to 10.00	18.00 to 25.00	25.00 to 40.00	.... to	.... to ....
	" extra	5.00 to 6.00	12.50 to 16.00	15.00 to 30.00	.... to 25.00	20.00 to 25.00
	" No. 1	2.00 to 5.00	5.00 to 8.00	12.00 to 20.00	12.00 to 20.00	10.00 to 15.00
	" Culls & ordinary	.50 to 1.00	2.00 to 4.00	5.00 to 8.00	4.00 to 8.00	5.00 to 6.00
	Bride, 'Maid, fancy—spc'l	3.00 to 6.00	6.00 to 8.00	.... to	.... to	.... to ....
	" extra	1.00 to 3.00	4.00 to 5.00	4.00 to 6.00	.... to 6.00	6.00 to 8.00
	" No. 1	.50 to 1.00	.... to 3.00	.... to	4.00 to 5.0	4.00 to 6.00
	" No. 2	.25 to .50	1.00 to 2.00	.... to	.... to 3.00	2.00 to 3.00
	K. A. Victoria	.... to	2.00 to 8.00	3.00 to 8.00	.... to	.... to ....
	La France	.... to	.... to	.... to	3.00 to 5.00	.... to ....
	Meteor	1.00 to 3.00	2.00 to 5.00	2.00 to 8.00	4.00 to 6.00	2.00 to 8.00
	Papa Gontier	.... to	.... to	.... to	.... to 2.00	.... to ....
	Perle	.50 to 2.00	1.00 to 4.00	3.00 to 5.00	2.00 to 4.00	2.00 to 4.00
	Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
	ORCHIDS—Cattleyas	25.00 to 35.00	.... to	40.00 to 50.00	.... to	.... to ....
	Cypripediums	.... to	.... to	.... to 25.00	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	.50 to .75	.50 to 1.0	.75 to 1.00	.50 to .75	.50 to .75
	STANDARD VARIETIES White	.50 to .75	1.00 to 1.50	1.00 to 1.50	1.00 to 1.25	1.00 to 1.50
	STANDARD VARIETIES Pink	.50 to .75	1.00 to 1.5	1.00 to 1.50	1.00 to 1.25	1.00 to 1.50
	STANDARD VARIETIES Red	.50 to .75	.... to 1.00	1.00 to 1.50	1.00 to 1.25	1.00 to 1.50
	STANDARD VARIETIES Yel.&Var	.50 to .75	1.00 to 1.50	1.00 to 1.50	1.00 to 1.25	.... to ....
	*FANCY— White	1.00 to 3.00	1.50 to 2.00	1.50 to 2.50	1.50 to 2.00	2.00 to 3.00
	*FANCY— Pink	1.00 to 3.0	1.50 to 2.00	1.50 to 2.50	1.50 to 2.00	2.00 to 3.00
	*FANCY— Red	1.00 to 3.00	1.25 to 1.50	1.50 to 2.50	1.50 to 2.00	2.00 to 3.00
	*FANCY— Yel.&Var	1.00 to 3.0	1.50 to 2.00	1.50 to 2.50	1.50 to 2.00	.... to ....
	(*The highest grades of standard var) NOVELTIES	1.00 to 3.00	3.00 to 4.00	3.00 to 4.50	.... to	.... to ....
	ADIANTUM	.50 to .75	.... to .50	.75 to 1.00	... to 1.00	.75 to 1.25
	ASPARAGUS	35.00 to 50.00	.... to 50.00	35.00 to 50.00	25.00 to 75 00	50.00 to 60.00
	CALLAS	2.00 to 4.00	4.00 to 6.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00
	DAISIES	.25 to .5	.50 to .75	1.00 to 1.50	.... to	.... to ....
	HYACINTHS	... to	.... to	.... to	.... to	.... to ....
	LILIES	2.00 to 4.0	3.00 to 5.00	6.00 to 8.00	6.00 to 8.00	6.00 to 8.00
	LILY OF THE VALLEY	.50 to 2.5	1.00 to 2.00	2.00 to 4.00	1.00 to 2.00	3.00 to 4.00
	MIGNONETTE—ordinary	.25 to 1.00	1.00 to 1.50	2.00 to 3.00	.75 to 1.50	1.00 to 1.50
	" fancy	1.00 to 2.00	.... to	.... to	.... to	2.00 to 3.00
	NARCISSUS	.15 to .50	.... to	.... to	.30 to .50	.... to ....
	SMILAX	10.00 to 12.00	8.00 to 12.50	15.00 to 20.00	12.00 to 25.00	15.00 to 20.00
	SWEET PEAS	.25 to .50	.50 to 1.00	.25 to .75	.... to .75	.50 to .75
	TULIPS	.... to .50	1.50 to 2.00	.... to	.... to 2.00	1.00 to 2.00
	VIOLETS	.... to	.40 to .60	.... to	.... to	.... to ....
	VIOLETS, special	.... to	.... to	.... to	.... to	.... to ....

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

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In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work.
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...Wholesale Prices of Cut Flowers...

	Names and Varieties	Chicago May 16, '00	St. Louis May 14, '00	Cincinnati May 15, '00	Milwaukee May 15, '00	Pittsburg May 15, '00	Toronto May 15, '00
Roses	A. BEAUTY, fancy—special.	15.00—18.00	...—25.00	....—25.00	....—25.00	15.00—25.00	25.00—30.00
	" extra	6.00—10.00	15.00—20.00	....—10.00	12.00—15.00	....—....	....—25.00
	" No. 1	4.00— 5.00	8.00—12.00	....— 5.00	8.00—10.00	6.00—12.00	....—20.00
	" Culls & ordinary	.75— 1.00	1.00— 5.00	....— 3.00	4.00— 6.00	3.00— 5.00	....—10.00
	Bride, Maid, fancy-spec'l	2.00— 5.00	2.00— 5.00	4.00— 5.00	4.00— 6.00	....—....	....—12.00
	" extra	....—	....—	3.00— 4.00	4.00— 6.00	2.00— 6.00	1.00—10.00
	" No. 1	....—	....—	2.00— 3.00	....— 4.00	2.00— 6.00	....— ....
	" No. 2	....—	....—	1.00— 2.00	....— 2.00	2.00— 4.00	1.00— 6.00
	K. A. Victoria	2.00— 5.00	2.00— 5.00	....—	4.50— 6.00	2.00— 5.00	....— ....
	La France,	4.00— 5.00	....—	....—	....—	....—	....— ....
	Meteor	2.00— 5.00	2.00— 4.00	2.00— 4.00	4.00— 6.00	2.00— 6.00	1.00—10.00
	Papa Gontier	....—	....—	....—	....—	....—	....— ....
	Perle	2.00— 3.00	2.00— 3.00	2.00— 3.00	3.00— 5.00	2.00— 4.00	1.00— 4.00
	Souv. de Wootton	....—	....—	....—	....—	....—	1.00— 6.00
	ORCHIDS—Cattleyas	....—	....—	....—	....—	....—	....—25.00
	Cypripediums	....—	....—	....—	....—	....—	....—10.00
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	Inf'r grades, all colors	.50— .75	....— .50	....— .50	....—	.50— .75	....— .75
	STANDARD VARIETIES: White	1.00— 1.25	....— .75	1.00— 1.50	1.00— 1.50	1.00— 1.50	1.00— 2.00
	STANDARD VARIETIES: Pink	1.00— 1.25	....— .75	....— 1.00	1.00— 1.50	1.00— 1.50	1.00— 2.00
	STANDARD VARIETIES: Red	1.00— 1.25	....— .75	....— .50	1.00— 1.50	1.00— 1.50	1.00— 2.00
	STANDARD VARIETIES: Yel.&Var.	1.00— 1.25	....— .75	....—	1.00— 1.50	1.00— 1.50	1.00— 2.00
	*FANCY— White	1.50— 2.00	1.00— 1.50	1.50— 2.00	2.00— 3.00	2.00— 2.50	....— 3.00
	*FANCY— Pink (*The highest grades of standard var)	1.50— 2.00	1.00— 1.50	2.00— 3.00	2.00— 3.00	2.00— 2.50	....— 3.00
	*FANCY— Red	2.00— 3.00	1.00— 1.50	2.00— 3.00	2.00— 3.00	2.00— 2.50	....— 3.00
	*FANCY— Yel.&Var.	1.50— 2.00	1.00— 1.50	....—	2.00— 3.00	2.00— 2.50	....— 3.00
	NOVELTIES	....—	....—	....—	....—	....—	....— ....
	ADIANTUM	.75— 1.00	.50— 1.00	....— 1.00	1.00— 1.50	.75— 1.00	....— .50
	ASPARAGUS	40.00—50.00	....—	....—60.00	35.00—50.00	....—50.00	
	CALLAS	6.00— 8.00	5.00— 8.00	....— 8.00	....— 8.00	8.00—10.00	4.00— 6.00
	DAISIES	.25— .30	.25— .35	....—	....— .50	.50— 1.50	.25— 1.00
	HYACINTHS	....—	....—	....—	....—	....—	2.00— 7.00
	LILIES	4.00— 6.00	5.00— 8.00	....—	8.00—10.00	6.00— 8.00	5.00— 6.00
	LILY OF THE VALLEY	3.00— 4.00	1.00— 2.00	3.00— 4.00	4.00— 5.00	2.00— 4.00	2.50— 3.00
	MIGNONETTE—ordinary	2.00— 4.00	....—	....—	....— 3.00	.75— 1.00	1.00— 6.00
	" fancy	....—	....—	....—	....— 4.00	1.50— 2.00	....— ....
	NARCISSUS	1.00— 1.50	....—	....—	....—	....—	....— 1.00
	SMILAX	12.00—15.00	....—12.50	....—15.00	....—	12.00—15.00	....—15.00
	SWEET PEAS	.50— 1.00	.35— .50	.50— .75	.75— 1.00	.50— .75	.75— 1.50
	TULIPS	2.00— 3.00	....—	....—	2.00— 4.00	....—	.50— 2.00
	VIOLETS	....—	....—	....—	....—	....—	....— ....
	VIOLETS—special	....—	....—	....—	....—	....—	....— ....

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PALM LEAVES Green, for decorating. or Dried for preparing; also Prepared Pressed Leaves, ready for painting; smallest to largest sizes. All varieties, Sabals, Chamærops, Cycas, Arecas, Chamadoreas, Date, Thrinax (Excelsa and Argentea), Macrozamia, Zamia, Cabbage and Cocos Palm Leaves, Palm Fibre. Unlimited Supplies; Lowest Prices; Low Freights. Prepared Palms. Needle Pines, Cape Flowers.
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EVERY GROWER . . . . . COMMISSION DEALER RETAILER, EVERYBODY
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Its use will save its cost several times over inside of one year. Every live man must eventually subscribe for a copy, then why not order one now? Sample sheets free on application.
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SPECIALTIES
Jacqs., Brides, Maids, Violets, Valley, Carnations, Lilies and all Bulbous Flowers.
J. K. ALLEN,
Wholesale Commission Florist,
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Telephone, 167 Madison Square.
LONG EXPERIENCE AND EVERY FACILITY.
CONSIGNMENTS SOLICITED.

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Wholesale Florists
RICHMOND, INDIANA.

PITTSBURG CUT FLOWER CO., Ltd.
Roses, Carnations, Lilies, Valley, Smilax, Sprengeri, Ferns.


No. 504 Liberty St., PITTSBURG, PA.
SPECIAL
ASPARAGUS PLUMOSUS NANUS,
35 to 50c. per string
FLORISTS' SUPPLIES

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GERANIUMS

Finest varieties, mixed, 3 in. stocky plants, at $5.00 per 100.

	Per 100
Roses, Bridesmaid, 2 in.	$2 50
Cobæa Scandens, 2½ in.	2.00
Rudbeckia, Golden Glow, 2½ in.	2.50
Abutilon, Souv. de Boun, 3 in.	4.00
Feverfew, Little Gem, 3 in.	3.75
Dusty Miller (Gym.), 3 in.	2.50
Cigar Plant, 3 in.	3.00
Verbenas (Mammoth), 2 in.	1.50
Caladium Esculentum, 5 in.	5.00

A BARGAIN IN SURPLUS BULBS.

Caladium Esculentum—	Per 100
Small size	$1.25
Medium	2.10
Extra large	4.00
Tuberose Bulbs—	
Excelsior Dwarf Pearl, A No. 1 stock, 75 cts. per 100; $6.00 per 1000.	

SWEET PEA SEED.

Very best quality, mixed, per lb., 20 cts.; 6 lbs. for $1.00. N. Y. express SATISFACTION GUARANTEED.

Cash with order.

GEO. L. MILLER, Newark, Ohio.

Mention the Florists' Exchange when writing.

A Few Good Things You Want

Asparagus Plumosus, 3 in., $8.00 per 100. **Rex Begonia**, 3 in., mixed, $4.00 per 100. **Marguerite Daisy**, large flowering white, 2 in., $3.00 per 100. **Nephrolepis Cordata Compacta and Boston Fern**, 2 in., $4.00 a 100. **Kentia Belmoreana and Forsteriana**, 4 in., nice plants, 40c. each; 3 in., 20 cts. each.

GERANIUMS Bonnatt, Single and Double Grant, Rev. Atkinson, Mrs. E. G. Hill and S. A. Nutt, 3 in., $5.00 per 100.

DRACÆNA INDIVISA 3 in., $5.00 per 100.

ENGLISH IVY and **Ampelopsis Veitchii**, 2 in., $3.00 per 100.

CAMPBELL VIOLETS, Rooted runners, 50 cts. per 100.

COLEUS Rooted cuttings, 60c. per 100; 2 in., $2.00 per 100.

SALVIA **Clara Bedman**, best variety, 2 in., $2.00 per 100.

VINCA VAR. 2 in., $3.00 per 100; 3 in., $5.00 per 100.

AGERATUM Blue and white, 2 in., $2.00 per 100.

SMILAX 2 in., $2.00 per 100.

BRIDESMAID ROSE 3 in., $5.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

Unequaled Varieties **VERBENAS** Vigorous Stock.

IN BUD AND BLOOM.

	100	1000
Best Mammoths, strong pot plants	$3.00	$25.00
Older " strong pot plants	2.50	20.00

ROSES.

Bridesmaid, Bon Silene, Catherine Mermet, Duchess of Albany, Golden Gate, Maid of Honor, Perle des Jardins, Sunset, The Bride. from 2¼ in. pots, $4.00 per 100, $38.00 per 1000; from 3 in. pots, $7.00 per 100; $60.00 per 1000.

FROM 2¼ INCH POTS **CARNATIONS** STRONG PLANTS

America, Gen. Maceo, Gen. Gomez, $6.00 a 100. **White Cloud, Buttercup**.....$5.00 per 100. **New York**.....3.50 per 100. **Flora Hill, John's Scarlet, Sea Shell, Thos. Cartledge, Victor**.....$3.00 per 100. **Lizzie McGowan, Wm. Scott, Portia**, $2.00 per 100.

CHRYSANTHEMUMS.

For Varieties and Prices see issue of April 28. Rooted Cuttings all sold.

MISCELLANEOUS PLANTS.

Ready for Immediate Sales.

	Per 100
Anthemis, Dbl. Golden Marguerite, 2¼ in. pots,	$3.00
Alternanthera, red and yellow, 2¼ in. pots.	3.00
Ageratum, blue and white, 2¼ in. pots	3.00
" Princess Pauline, 2¼ in. pots	4.00
Cuphea, Platecentra, 2¼ in. pots	3.00
Carnations, in bud and bloom, 4 in. pots	12.00
Fuchsias, double and single, 2¼ in. pots	3.00
" " " " 3½ in. pots	8.00
Geraniums, double and single, 3½ in. pots	7.00
" " " " 3 in. pots	5.00
Heliotrope, light and dark, 3½ in. pots	5.00
" " " " 2¼ in. pots	3.00
Ivy, German, 2¼ in. pots	3.00
Moon Flower, white, 2¼ in. pots	4.00
Petunia, single, 2¼ in. pots	3.00
Pansies, transplanted	2.50
Salvias, Splendens and Bedman, 2¼ in. pots	3.00
" " " " 3½ in. pots	5.00
Violets, M. Louise, $25.00 per 1000; 2¼ in. pots.	3.00

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

BEDDING PLANTS



OVER 100,000 OF THEM!

Large Assortment, Suitable for Planting, at Remarkably Low Prices. Prices Rated Per 100.

THE FOLLOWING OUT OF 4 INCH POTS:

AGERATUM, blue	$6.00
CALENDULAS (Prince of Orange)	5.00
CANDYTUFT, 3 in. and 4 in. pots	6.00
COBÆA SCANDENS, nice plants, 2½ in. pots	3.00
Fine plants, 4 inch, 3 feet high,	8.00
CYPERUS, 4 in., per doz.	1.00
DRACÆNA INDIVISA, 6 in. pots, each	25c.
GERANIUMS, Le Pilote (double red), **Mme. Thibaut** (pink), and other good varieties, out of 4 inch, without bud, per 100, $5.00; in bud, per 100, $6.00 to	$7.00
FUCHSIAS, 4 inch, showing buds	5.00
ROSE GERANIUMS	7.00
HELIOTROPE, 4 inch	6.00
MOON VINES (Ipomœa Noctiflora). Staked up, 4 in. pots	8.00
TEN-WEEKS STOCKS, Double only	6.00
SCARLET SAGE, 4 in.	6.00
" " 3 in.	5.00

THE FOLLOWING PLANTS FROM 2½ AND 3 INCH POTS:

ALTERNANTHERAS, red and yellow	$3.00
ALYSSUM (Little Gem)	3.00
COLEUS (Best mixed colors), 3 in. pots	5.00
2 and 2½ in. pots	3 00
CUPHEA	4.00
I have an immense quantity of the finest **VERBENAS**, best varieties, in bud, at $3.00 per 100.	
PYRETHRUM PARTHENIUM (Golden Feverfew)	3.00
KENILWORTH and PARLOR IVY	3.00
PETUNIAS (single)	3.00
PHLOX DRUMMONDI	3 00
THUNBERGIA (Black-eyed Susan). 2½ in. pots	3 00
3 in. pots, staked up	5 00

In small plants we have also **Centaurea Gymnocarpa** (Dusty Miller), 2½ in. pots, $3.00; **Musk**, in bloom, 4 inch, $7.00; 2½ inch, $3.00; **Vinca Variegata** (Periwinkle), 3 inch, $5.00; **Lobelia**, 2½ inch, $3.00.

HARDY CLEMATIS I have a fine stock of the best varieties and leading colors, such as: **Bangholme Belle**, pure white; **Duchess of Edinburg**, double white; **Lucie Lemoine**, white, rosette-shaped; **Fairy Queen**, pale flesh, pink bar; **Gypsy Queen**, rich dark velvety purple; **Jackmanni**, violet purple; **Anderson Henryi**, single white; **Boskoop Seedling**, large lavender; **Kermesina** and **Madame Louise**, and many others. Clematis, 3 years old, 35c. each; second size, 30c.; 2 years old, 25c. each.

HYDRANGEA PANICULATA, 6 inch, 20c. each. **ARISTROLOCHIA SIPHO** (Dutchman's Pipe), 7 inch pots, large plants, 5 to 6 feet high, 50c. each.

"We can highly recommend Godfrey Aschmann's plants. They always give us good satisfaction. HENRY F. MICHELL."
"May 2d, 1900."

All pots will be taken off unless mentioned that pots are wanted.

GODFREY ASCHMANN, 1012 Ontario Street, Rising Sun, Philadelphia, Pa.

IMPORTER AND WHOLESALE GROWER OF POT PLANTS.

Mention the Florists' Exchange when writing.

ACALYPHA SANDERII 2½ inch, $3.00 a 100.

BOSTON FERN 2½ inch, $5.00 a 100.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

WHAT DO YOU WANT?

I have 10,000 **Scott, McGowan** and **Portia** Carnations, from flats, $10.00 per 1000.

L. H. Campbell and **California Violets**, 10,000 strong, Fall runners, ready to plant, $8.00 per 1000; **Princess of Wales**, $15.00 per 1000. All above by 100 same price.

5000 Ampelopsis Veitchii, long, live tops, pot-grown, dormant, at $3.00 per 100 or $25.00 per 1000.

5000 Vinca Major var., 2½ in. strong, $3.00 a 100. **Carex Japonica, Golden Glow, Blue Moon Vines, Hulleana** and **Golden Honeysuckle, Blue** and **Crimson Spiræa**, all from 2½ in. pots, good, 3 cts. each, as many as you want.

Also **Lady Washington Geranium, Genista**, assorted. **Flowering Begonias, Manettia Bicolor**, 4 cts each; **Sprengeri**, 3½ in., fine, 8 cts.

Cash with order, please. **BENJ. CONNELL, Florist, WEST GROVE, PA.**

Mention the Florists' Exchange when writing.

VINCAS AND DRACÆNA INDIVISA FINE STOCK

VINCAS, 3 in., $6.00 per 100; 3½ in., $8.00 per 100; 4 in., $10.00 per 100; 5 in., $15.00 per 100.

DRACÆNA INDIVISA, extra fine, 3 in., $10.00 per 100; 3½ in., $15.00 per 100; 4 in., $25.00 per 100; 5 in., $35.00 to $50.00 per 100.

	Per 100
Abutilon Var., trailing, 2¼ in.	$4.00
Alternanthera, 2¼ in.	2.50
Authericum, 3 in.	6.00
BEGONIAS—	
Rex, 4 inch	10.00
" assorted, 2¼ in.	4.00
" named, 2¼ in.	6.00
Coleus, 2¼ in.	3.00
Forget-Me-Not (Winter Flowering) 2¼ in.	4.00
Fuchsias, 2¼ in.	4.00
GERANIUMS—	
Mars, Excellent plants	8.00
Ivy Leaved, 2¼	4.00
S. A. Nutt, 2¼ in.	6.00
" 3 in.	8.00
La Favorite, 3 in.	6.00
Silver Leaf, 2¼ in.	4.00
Mignonette, 2 in.	$2.00
Manettia Bicolor, 2¼ in.	4.00
Palm Washingtonia Filifera, 2¼ in.	4.00
Pansy Plants, in bud and bloom	2.00
Pansy Plants, $8 a 1000.	1.00
" " $5 a 1000.	.60
Salvia, 2¼ in.	3.00
" 3½ in.	6.00
Single Petunias, 2¼ in.	3.00
" " 3 in.	5.00
Lemon Verbenas	6.00
Vinca, 2¼ in.	3.00

100,000 CUTTINGS.

	Per 100
Achryanthes	$1.00
Alternantheras, red and yellow	.60
Ageratum blue and white,	1.00
" Princess Pauline,	1.25
Alyssum, Double Giant,	1.00
Begonia Erfordii	2.00
" Rex	2.00
" Inc. Gigantea	2.00
COLEUS—	
Fancy and large leaf	1.00
Verschaffeltii, yellow and selected kinds, $7 a 1000,	.80
Mixed colors, $5 per 1000,	0.60
Forget-Me-Not (Winter Flowering)	2.00
GERANIUMS—	
Named	$2.00
Mixed	1.50
Mrs. Parker (Double Pink) Silver Leaf	4.00
Silver Leaf, Rose Scented	1.50
Mme. Salleroi	1.25
Double New Life	4.00
Mrs. Pollock and Happy Thought	2 00
Bronze	2.00
Mars, Freak of Nature	3.00
Mme. Bruant	2.50
Fuchsias, assorted	1.50
" Sun Ray (variegated)	4 00
Fuchsias, Trailing Queen	1.50
German Ivy	$1.25
Heliotrope, purple and white	1.25
Impatiens Sultani	2.00
Lantana, trailing	2.00
Lemon Verbena	1.50
Lobelia	1.00
Manettia Bicolor	2.00
Tradescantia Tricolor	2.00
Salvia	1.25
Stevia Var	1.50
Verbenas, $7.00 per 1000.	.75
Vinca Var., extra strong	1.50
Anthemis Cronaria (Double yellow Marguerite)	2.00

Terms, Cash or C. O. D. **GREENE & UNDERHILL, Watertown, N. Y.**

Mention the Florists' Exchange when writing.

St. Louis.

Railroad Strike Hurts Trade.

This city is suffering the inconvenience and loss attending a long and determined street railway strike. All this week business has been practically at a standstill in the downtown places; uptown and in the suburbs it has not suffered quite so much, although things are bad enough all around. Stock is abundant, on which no price can be set. Some carnations were sold as low as $4 per 1,000, and lots are going to waste. All festive events that can be are postponed. Small car deliveries are troublesome and in some cases almost impossible. Some of our wholesale men advised their consignors of the state of affairs, and these parties, in consequence, reduced shipments, which will be to their benefit, as nothing can be done here until after the strike is settled, which, we are sorry to say, is uncertain, as both sides do not seem inclined to give in.

The greenhouse men put in a busy week bedding out; the weather is very favorable for the work. Market sales have been paralyzed—almost nothing doing the entire week. This is bad, as the first week in May is the very best for the craft, except Easter week.

Club Meeting.

The regular monthly meeting was held on the 10th inst., the attendance, owing to season and lack of transportation, being only seven. Everything, including the mixed flower show, was laid over till next month.

Notes.

We are sorry to report that John M. Hudson is quite ill.

John Steidel has finished a fine new house, 20x25 feet, for carnations. There is no better stock sent to this market than is produced by Mr. Steidel.

Owing to the mild Winter and favorable Spring the display of hardy shrubs is unusually fine this year—weigelias, Spiræas Reevesii, Van Houtei and snowballs are as good as they can possibly be, as is the outlook for h. p. roses and pæonias, both of which will be in bloom very shortly. C. C. S.

Toronto.

Trade News.

Business during the past week was very good. Until Sunday the weather was quite cool, and roses came along in good shape, but somewhat slowly for the time of the year. Since then we have had very hot days, and stock has come in very lively; but there is no overstock as yet and as the weather is much cooler now, and the demand still good, the bloom that has been rushed on with the heat is likely to work off all right. The beds of bulbous plants in our public parks are looking grand. Thousands of tulips and hyacinths are out, and as the weather has been, and is very dry, our people are taking full advantage of the show. There has been a wonderful change in the parks of our city during the last few years. More bulbs are now used in each of our parks than were planted in the whole of them five years ago. In several of the beds pansies will succeed the tulips, and the pansies will be replaced later on by exotic bedding plants.

Funeral Designs.

The trade in funeral designs here has been very good this season. The style of these has considerably improved and artistic and beautiful pieces are now the rule. Most of the designs called for here now are of a simple character, in which the finest long-stemmed flowers can be used—handsome long-stemmed roses and cycas leaves; cycas leaves and callas; wreaths of galax leaves with a large bunch of fine roses at one side, etc.; of course, there are many formal pieces still employed, but they are not so fashionable as they were.

On Saturday last St. Lawrence Market was dressed for Spring; the flower stands were all filled with good stock, and a very fair business was done. Nearly all the material offered was bright and clean, the most noticeable stock being the pansies of Fogarty and Dean, which sold well. T. M.

Washington, D. C.

Ex-President S. A. F. Wm. F. Gude has suffered a sad bereavement in the death of his youngest boy. The funeral took place May 7 last.

Pittsburg.

Trade Notes.

Funeral work was the main feature of the week's business. Flowers are very abundant and prices mighty unsteady. Outdoor material is very plentiful and is hurting sales of other stock. Lilacs sold remarkably well, but are not so plentiful this season.

Plant business is going pretty lively, the warm spell helping it much, people being anxious to plant. For three days the heat was a little too much for stock under glass, the thermometer reaching way up in the eighties in the shade. It is also bad for stock planted out, for rain is badly needed.

Jottings.

C. H. Harrison, who a short time ago was promoted from assistant superintendent of Schenley Park to a better position in Highland Park, is again chosen for a still and more important position—that of superintendent of the Bureau of Highways and Sewers of the City of Pittsburg.

Ed. Reid, of Philadelphia, was a visitor during the week. E. C. R.

500 CYPRIPEDIUM INSIGNE
5 cents per growth.
5000 CARNATIONS In flats, $1.00 per 100.
ACACIA PUBESCENS 4 feet high, $2.00 each.
CASH WITH ORDER PLEASE.
JOHN BOLL, 549 Fulton St., JAMAICA, N. Y.
Mention the Florists' Exchange when writing.

AZALEAS - PALMS - - NEW PLANTS BAY TREES — **SANDER** BRUGES, **BELGIUM.**
The largest and finest stock on the Continent.
A. DIMMOCK, our representative, is now in the U. S. and will be pleased to reply to any communications addressed to **60 Vesey Street, New York.** Lists on application.
Mention the Florists' Exchange when writing.

ORCHIDS
Arrived in perfect condition the long-looked for
CHRISTMAS CATTLEYA.
(Cattleya Percivaliana.) Also C. Mossiæ.
LAGER & HURRELL,
Correspondence Solicited. **SUMMIT, N. J.**
Mention the Florists' Exchange when writing.

ORCHIDS!
To Be Closed Out At Once.
THE KOFFMAN COLLECTION
WALDEN, N. Y.

Well established, prolific bearing Cypripedium, in perfect condition, will be sold by the hundred or thousand growths.

Choice Specimens, also a few rare Dendrobium and Cœlogynes.

J. B. BLOOMINGDALE,
78 Fifth Avenue, . NEW YORK.
Mention the Florists' Exchange when writing



JUST RECEIVED.
LARGE CONSIGNMENT
KENTIAS-
Belmoreana,
Forsteriana.
BAY TREES.
ARAUCARIAS



Call, Inspect Stock, or Write for Prices and Sizes.

BOBBINK & ATKINS, Rutherford, N. J.
Mention the Florists' Exchange when writing.

Smilax Plants.
Extra Strong Plants out of 2½-inch pots, $2.50 per 100. Cash with order.
WILLIAM SCHWEINFURTH,
Ridgewood, N. J.
Mention the Florists' Exchange when writing.

SMILAX
From flats, by mail, 50 cts. per 100; $4.00 per 1000. From 2 in. pots, $1.50 per 100; $13.00 per 1000.
HYDRANGEA, 5 in. pots, $3.00 per doz; 4 in pots, $2.00 per doz; Rooted Cuttings, $1.25 a 100; $10 a 1000.
LARGE-FLOWERING CANNA ROOTS, $1.00 per 100.
Cash with the order. Send for samples.
FRED BOERNER, Cape May City, N. J.
Mention the Florists' Exchange when writing.

LATANIA BORBONICA

4 inch pots.....	$2.50 per doz;	$20.00 per 100.		
5 "	4.75 "	35.00 "		
6 "	9.00 "	70.00 "		
7 "	1.25 each, and fine specimen plants from $6.00 and upwards.			

Areca Lutescens, fine plants from $5.00 upwards.
Kentia Belmoreana and Forsteriana—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, well grown, from $2.50 and upwards.
Phœnix reclinata, 4 in. pots, 25c. each, $20 per 100; 5 in. pots, 40c. each, $35.00 per 100; 6 in. pots, 60c. each, $55.00 per 100; 7 in. pots, $1.25 each.
Phœnix Canariensis, Rupicola and Reclinata, fine specimen plants, from $3.00 to $5.00 each.
Cocos Weddeliana, from 2 in. pots, $1.50 per doz.
ASPARAGUS SPRENGERI 3 in. pots, $1.00 a doz. 5 in. pots, 25c. each.
JOHN BADER, Troy Hill, **Allegheny, Pa.**
L. D. TELEPHONE 872.
Mention the Florists' Exchange when writing.

NEPHROLEPIS WASHINGTONIENSIS
Now is the time to start this giant among the Nephrolepi ferns; with proper treatment it will make fronds in one summer 5 to 6 feet long by 12 to 15 inches broad. They are very durable. The variety "erecta," five young plants, for $1.00, free by mail; 4 inch pot plants, 50 cts. each; larger ones from $1 to $5 each.
BEDDING PLANTS **ROSES—Bride, Maid, C. Cook, Golden Gate,** for early planting or bedding out, fine healthy plants, from 3 in. pots, $5.00 per 100; from 4 in. pots, $7.00 per 100; from 5 in. pots, $15.00 per 100. **Am. Beauty** and **Hybrid Roses,** from 3 in. pots, $7.00 per 100. **Climbing Roses,** from 3 in. pots, $6.00 per 100. Other varieties in good mixture, same price.
Geraniums in variety, $7.00 per 100, from 4 inch pots; $3.00 per 100, from 2¼ inch pots. **Ageratum** (blue), **Cigar Plants, Scarlet Sage, Sweet Alyssum, Verbenas, Carnations, Hardy** and **China Pinks, Lobelias, Ivies, Coleus, Alternantheras,** from 2¼ inch pots, $2.50 per 100. **Dahlias** and **Cannas,** from benches, strong rooted plants, in variety, $5.00 per 100. Seedlings of Annuals and Perennials, $1.50 per 100. **ALL FOR CASH. 25 AT 100 RATES.**
DECORATION AND FOLIAGE PLANTS Large, medium and young plants of Palms, Ferns, Dracænas, Marantas, Dieffenbachias, Pandanus Utilis, Anthuriums, Clerodendrons, Allamandas, Stephanotis, Clasus, Ruellias, Jessamines, Cyperus, Etc.
Please state what you wish, and I will quote you lowest prices, as I issue no catalogue.
N. STUDER, Anacostia, D. C.
Mention the Florists' Exchange when writing.

BOSTON FERNS
N. Exaltata Bostoniensis.
Small plants, $5.00 per 100 or $40.00 per 1000; large plants, $6.00 to $20.00 per 100. Orders only taken for June delivery.
—ALSO A FINE LOT OF—
Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 inch, $3.00 per doz.
Asparagus Plumosus, $1.00 to $1.50 doz.
Asparagus Sprengeri, 3½ in. pots, $1.50 per doz.
Geraniums, 3½ to 4 in. pots, $7.00 to $8.00 per 100.
Heliotrope, $6.00 per 100.
Fuchsias, 3½-5 in. pots, $6.00 to $12.00 a 100.
Coleus, $3.00 to $5.00 per 100.
Hydrangeas, 25 cts. to $1.50 each.
Also a general assortment of Bedding Plants.
WM. A. BOCK, No. Cambridge, Mass.
Unknown correspondents will send cash with orders. **Connected with Telephone.**
Mention the Florists' Exchange when writing

Fern Spores Extra large packet of fresh Spores. Best varieties assorted, sufficient for 3000 or more plants, $1.00. **Collection** of 12 best varieties, each separate, $5.00.
E. C. McFADDEN, Short Hills, N. J.
Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis
The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.
Mine is the Genuine Stock.
FRED. C. BECKER, Cambridge, Mass.
1730 CAMBRIDGE ST.
Mention the Florists' Exchange when writing.

TELEPHONE, 108, SHORT HILLS
EMERSON C. McFADDEN
UNITED STATES EXOTIC NURSERIES
SHORT HILLS, N. J.
PALMS, FERNS AND ASPARAGUS
Mention the Florists' Exchange when writing



FERNS FANCY AND DAGGER.
New crop now being shipped, $1.00 per 1000; $8.50 per 10.000. Cash with order. Write or wire. Pressed Dried Ferns always on hand.
Florida Natural Products Co.
Box 327. ORLANDO, FLA.
Mention the Florists' Exchange when writing.

BOSTON FERN
Ready now. Cut from bench for 6 in. and 7 in. pots at $4 50 and $6 00 per doz., very fine. Small plants (orders booked for June Delivery) at $5.00 per 100; $40.00 per 1000.
100,000 BEDDING PLANTS, Very Fine.
Geraniums of kinds. **Coleus, Alternanthera,** etc., etc. Send for list. **Rooted Cuttings, Coleus.**
L. H. FOSTER, 45 KING STREET, **Dorchester Mass.**
Mention the Florists' Exchange when writing.



Send for Our List of
Kentias, Latanias, Ficus,
Asparagus, Dracænas, etc. Ask for our price list of Perpetuated Palms. Samples sent on request. Address
THE GEO. WITTBOLD CO., Chicago,
1708 N. Halsted Street.
Mention the Florists' Exchange when writing.

BOSTON FERNS
Small plants, $5.00 per 100; $40.00 per 1000. Large plants, $25.00 to $75.00 per 100. } Orders taken for any quantity for June delivery only.
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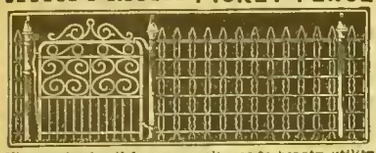

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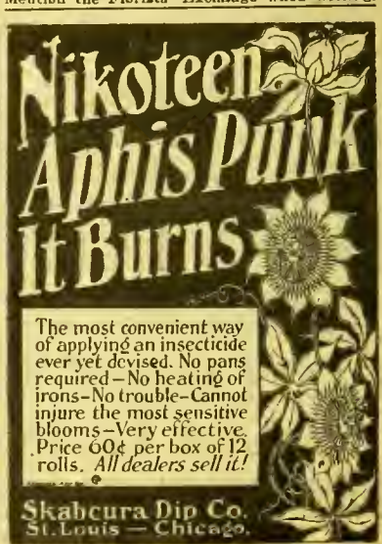

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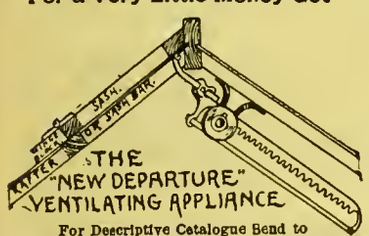

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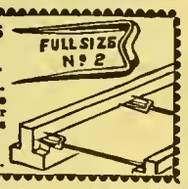

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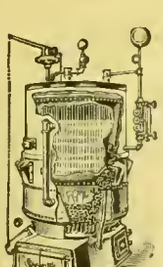

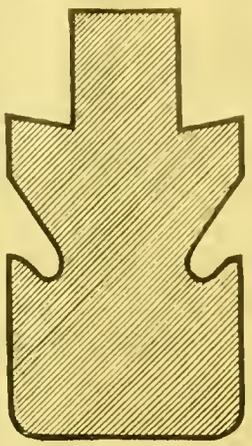

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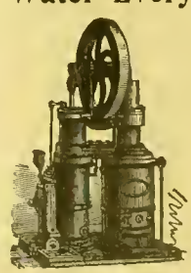



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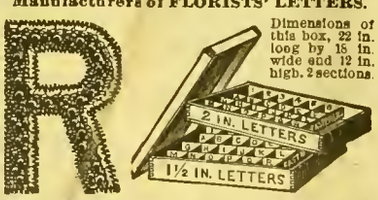

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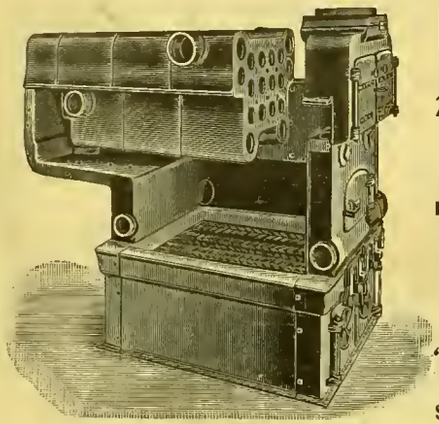

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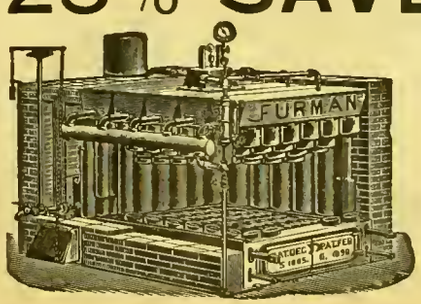

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We are a straight shoot and aim to grow into a vigorous plant.

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Vol. XII. No. 21. NEW YORK, MAY 26, 1900. One Dollar Per Year.

We have to offer a fine lot of extra-sized

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For Large Vases.

Fine large plants, 7 in. pots,	2½ ft. high	$9 00 per doz.
" " 8 "	3 ft. "	12 00 "
Extra heavy plants, 9 "	3½ ft. "	2 00 each
Very large specimens, 10 in. pots,	4 ft. "	3 00 "

This is fine stock for large vases, and is the best plant that can be used for that purpose.

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Strong Started Pot-grown Plants.

We have a large lot of these with fine tops, grown in 5 in. and 6 in. pots, fine plants, ready for immediate effect. **$12.00 per 100.**

We have also a large stock of **Dormant Roots,** which we can supply as follows:—

Bulbs, 6-9 in. in circumference, $3 00 per 100.
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These are in the very best possible shape, and will be found exceedingly good value. This is one of the best selling plants for florists that there is. It makes a fine plant for summer decoration. We can supply as follows:—

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In medium sizes; can supply same as follows:—

Extra strong plants, 4 in. pots, $3.00 per doz.
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We would also call attention to our stock of extra large

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These are large plants for the money, and will be found to be exceedingly good value.

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Fine specimens, well trimmed, 3 to 4 ft. high, $2.00 each.

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Fine plants, about 3 ft. in diameter, 7 ft. high, $10.00 each.

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All perfectly sound with centre shoots.

	Per doz.	100	1000
MONSTERS, VERY LARGE, 9 to 11 inches and over around...	$1.00	$5.00	$45.00
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Fine, Strong Plants, in 3 inch pots, 15 inches high above pots, all ready to be potted on. Price, **$2.00 per doz., $15.00 per 100**

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50 cts. a Bunch.

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THE BEST SCARLET CARNATION EVER INTRODUCED.

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Some growers who have not grown Maceo think this is the best of the two varieties. Our experience shows Maceo to be the most profitable of the two. Gomez has a longer stem, is lighter in color and sells at 20 per cent. higher price than Maceo.

If you are in doubt as to which to plant, buy an equal quantity of each variety. That will enable you to determine which is best suited for your requirements.

15,000 Cuttings ready, $5.00 per 100; $40.00 per 1000.

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Clear, delicate, chaste, silvery-pink, largely grown as a standard light pink.

$3.00 per 100; $25.00 per 1000.

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Diameter of Bowl, 10 inches . . .	$0 90	$10 00
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Made of Red Cedar, strong and ornamental, $7.00 each.

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Red Cedar, $4.00 each. White Birch, $4.00 each.

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6 to 8 feet long, can be cut to any desired length, $1.00 per 100; $6.00 per 1000.

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FOR FLORISTS.

All Home-Grown Seeds.

	¼ Oz.	Oz.
Aster, Vick's Daybreak, Pink	$1.50	$4.00
" " Purity, White	2.00	6.00
" Branching Comet, White	2.50	8.00
" Vick's Branching, in colors, White, Pink, Crimson and Purple, each	.25	.75

Trade List, also Garden and Floral Guide, now ready. Send for it.

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Vaughan's International.

Best strain for florists, includes Giants, Fern Leaved, Blue, etc., besides best Reds, Pinks and Whites, pkt., 350 seeds, 50 cts.; 5 pkts., 1750 seeds, $2.25.

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Write for Lowest Price.

CALADIUM ESCULENTUM Cleão, sound bulbs, 5-7 in., $2.50; 7-9 in., $4.00; 9-12 in., $7.00. Lots of 250 at 10 per cent. lower.

Now Ready—Our Import Bulb List.

FREESIA, LILIUM HARRISII, ROMAN HYACINTHS, TULIPS, AZALEAS, ETC.

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Dwarf Double Pearl. First size, 4½ to 6 inch bulbs, $1.00 per 100; $7.00 per 1000.

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Semple's Branching. In white pink, lavender, crimson and purple. Per ½ oz., 15c.; per oz., 75c.

Chinese Fringed, Alba Magnifica, Cœrulea Blue, Chiswick Red, Coccinea Superba, crimson Giant Rose, Magenta Queen, Magnum Bonum, Village Maid, striped, per 100 seed, 25c.

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The finest strain of Pansies in the World.

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Before ordering any goods anywhere send in **your list of wants** for lowest **GUARANTEED** prices.

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THE PEARL.

A1 Bulbs, $5.50 per 1000; 5000 at $25.00.

Free on cars, New York City.

No. 2, $3.00 per 1000. 500 at 1000 rate.

HULSEBOSCH BROS., Englewood, N. J.

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PALM SEEDS

FRESH ON HAND.

	100	1000	3000
Phœnix Tenuis	$0.75	$5.00	$13.50
" Pumila	1.00	8.00	22.50
Pandanus Utilis	1.25	10.00	27.50
Asparagus Plum. Nanus, true	1.25	9.00	26.50
" Sprengeri	.75	6.50	18.00

I. L. SCHILLER, 404 E. 34th Street, New York.

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Danish Cauliflower Seed

Early Dwarf Danish Snowstorm, selected up and grown by the leading specialist of Denmark. Always uniform; fine large white heads, early. No better seed offered at any price.

One Quality Only. The Best.

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WHOLESALE PRICE LIST FOR FLORISTS AND MARKET GARDENERS

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California Saved Palm Seeds, Etc.

FRESH ON HAND.	100	1000	5000
Phœnix Canariensis		$0.50	$2.00
" Reclinata	$0.25	2 00	8.75
Asparagus Sprengeri	.65	4.50	20 00
Bruhea Glauca	per pound, 75c.		
" Edulis	"		75c.
Chamærops Excelsa	"		40c.
Coreopsis Lanceolata	per pound, $1.25		

Australian Salt Bush (Atriplex Semibaccatum), per pound, 75c.; 50 lb. lots, 60c.; 100 lb. lots or over, 50c.

Now Booking Orders for

CALLAS AND FREESIAS.

Send for Quotations.

GERMAIN FRUIT CO., Los Angeles, Cal.

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NOW Is the PROPER TIME TO SOW FOLLOWING SEEDS:

PRIMULA SEED EUROPEAN Prize Strains. Largest flowers, brilliant coloring.

	100	1000
Very choicest mixed	20c.	$1.50
Kermesina Splendens, the richest red	20c.	1 50
Alba Magnifica, the very best white	20c.	1 50
Atrosanguinea, blood red	20c.	1.50
Cœrulea, beautiful "TRUE BLUE"	20c.	1.50
Double Primula, mixed	75c.	5.00

PANSIES Our Giant Exhibition Strains, in separate colors. 1000 seeds, 25c; 5000 seeds, $1. Trimardeau, Bugnot, Odier, Cassier, 1000 seeds, 25c.; 5000 seeds, $1.00.

CINERARIA Giant Flowering, Choicest Mixed, medium tall, packet, about 500 seeds, 25c.; 5 pkts, $1.00

Cineraria Dwarf, extra giant flowering, pkt., about 500 sds., 25c. " 1.00

Calceolaria, Giant, per packet, 25 cts.

" Rugosa, shrubby, packet, 25 cts.

SPECIAL NOTICE! To close out a consignment of BRAZILIAN PALM SEEDS, we offer ARECA LUTESCENS SEED, 50c. per 100; $4.00 per 1000; ASPARAGUS SPRENGERI SEED, 50c. per 100; $4.00 per 1000; ASPARAGUS PLUMOSUS NANUS SEED, $1.00 per 100; $8.00 per 1000. Send for our New List of all Forcing Bulbs. SWEET PEA SEED, to close out, any popular sort you want for 20c. a lb; $1.75 for 10 lbs. Address

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BEANS | CLOVER | GRASS | ONIONS | PARSNIP

SEED TRADE REPORT

Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Chicago, Ill., President; ALBERT MCCULLOUGH, Cincinnati, First Vice-President; F. W. BOLGIANO, Washington, Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

The Philadelphia Ledger is authority for the statement that "a flower seed industry, employing 200 hands, is to be established at Paradise, Lancaster County, Pa."

Long Island Seed Crops.—What are the prospects for the coming seed crop? is the cry from every quarter that looks to Long Island for its specialties. Just at this time it is a difficult question to answer. It is safe to say that Long Island will hardly honor all the drafts that will be presented for this year's crops, because of the fact that there was not nearly the acreage of cabbage and kale put out that was expected—this because of drought and insect pests innumerable last season. Many of the growers lost their plants by the grasshoppers, and others could not set their plants for the want of water, which was a necessity. The situation is about as follows:

CABBAGE—But little more than half the amount contracted for was set, but what there is out was never in finer condition; the stems are strong and perfectly healthy—not the slightest indication of stem rot, which is the only trouble that would present itself as yet. The plants are making a vigorous growth and are already coming into flower. Now commences the critical period with the cabbage seed crop. If we can have dry weather for the next three weeks there will be the best show for a large yield per acre ever known on the Island, excepting for the Wakefield varieties, which, as a rule, are smaller than the other sorts. If, on the other hand, we should have rainy weather, as was the case the past two years, the crop will be ruined, as fertilization cannot be effected here under such conditions. All we can say is the prospects for the acreage set was never better. After the seed pods are well filled, blight, mildew and aphis are to be dreaded, and the conditions that will insure us against the two former are quite liable to bring the latter, which, at the best, renders the crop a most uncertain one.

KALE was looking better than we anticipated, but the heavy rains of the past few days may have prevented fertilization, as most of the Scotch is coming well into bloom. Should the rain stop short now, as it seems likely to do, we have hopes of a fair crop. The Siberian is coming on fairly well, but the drought kept it back in October, and the plants are not all sufficiently strong to send up their flowering stalks. However, growth is now rapid and under favorable conditions we hope for an average crop.

SPINACH is starting finely, we might say never better, which is all that can be said at present, it being too early to make anything like a safe calculation. At the best the crop here is of but little importance, as under the most favorable conditions we cannot hope for more than 40,000 pounds.

RUTABAGAS—The small acreage out is looking as well as it is possible to do, but the amount is too small to make any showing in the trade.

BRUSSELS SPROUTS are coming on fairly well, but this is a crop you can estimate after it is secured, but never before.

Seasonable Seeds, Plants and Bulbs

TUBEROSES. No. 2, Double Pearl, fine bulbs, 30 cts. per 100; $2.50 per 1000.

CANNA—Robusta Perfecta. Fine large bulbs, 60 cts. per doz.; $4.00 per 100.

OXALIS. Summer flowering, 7 cts. per doz.; 15 cts. per 100; $1.00 per 1000.

BEGONIA—Rex Plants. Named sorts in 2½ inch pots, just ready for a shift, $5.00 per 100.

CALCEOLARIA. Jamcs' Giant, per packet, 25 cts.

MIGNONETTE. Allen's Defiance, large trade packet, 20 cts.; per oz., 75 cts.

PRIMULA. Johnson & Stokes, prize mixed, 25 cts. per 100 seeds.

PANSY. Johnson & Stokes' kingly collection, comprising Bugnots, Cassier, Trimardiau, etc., 1000 seeds, 25 cts.; per oz., $5.00.

Write for quotations on Roman Hyacinths, Narcissus (Paper White) and Dutch Bulbs.

JOHNSON & STOKES, 217 and 219 Market Street, PHILA., PA.

Mention the Florists' Exchange when writing.

BEANS.—For Long Island, which is not a bean growing country, there is quite a large acreage planted, the product being, to a large extent, for the Southern market. All that can now be said for this crop is, the "come up" is thus far very satisfactory.

European Notes.

Another sharp frost, with a probability of repetition, has cut down dwarf and pole beans, cucumbers, vegetable marrows and potatoes. Within two days we shall know if our second sowings of cabbages, etc., have suffered to the same extent as before. If they have there is no probability of our being able to resow with any chance of success. The young and tender shoots of plants growing for this year's crops have been severely nipped; but where the plants are not past recovery fresh shoots may amply compensate for the injury thus done.

Spinach, radish, cress, sweet peas and such like articles, "make haste slowly," and will need a lot of helping on to bring them into the barn in the proper season.

The season for market seeds is now practically over, and on the whole it has been quite disappointing. A lot of seed has changed hands, but the margin of profit has been very small and in some cases nil. Several of the best informed dealers prefer to hold over good stocks for a possible revival of trade in the Autumn, but only new seed is adapted for this purpose. Rape still keeps high, and holders confidently expect much higher figures in the early Autumn. As regards mustard high prices are easily obtained just now, but as a very large acreage has been sown for next season it will in all probability be obtainable after harvest on very reasonable terms.

Thousand-headed kale has proved a veritable gold mine to the few fortunate possessors, for it is being sold to-day at an advance of from 500 to 600 per cent. above the price quoted 18 months ago. As a sheep feed for very early Spring use it is without a rival.

Novelty seekers should pay attention to Asparagus Sprengeri variegata (Sander)—a very beautiful form of a most useful decorative plant.

EUROPEAN SEEDS.

CATALOGUES RECEIVED.

A. C. CARTER & Co., Evergreen, Ala.—Price List of Decorative Evergreens.

WE beg to acknowledge the receipt from Messrs Ellwanger & Barry, Rochester, N. Y., of a cloth-bound copy of their General Catalogue for 1900. This already handsome catalogue is still further improved by the binding, which insures it quite an extended period of longevity, and a handy reference guide for all time.

Lord & Burnham Co.'s Catalogue.

We have been favored by the Lord & Burnham Co., New York, with a copy of their "Catalogue of Greenhouses." The pamphlet is an extremely handsome one, containing 74 pages, mostly devoted to half-tone engravings of the interiors and exteriors of structures erected by the firm, fully fulfilling the objects aimed at in the issuance of the catalogue, viz., "to give an idea of the grace and beauty to which it is possible to attain in the construction of greenhouses, and to furnish a basis for correspondence to those who propose their erection."

Magazines.

THE DELINEATOR for June contains some very handsome colored plates, showing attractive Summer styles, also much other information useful to ladies. The magazine is published by The Butterick Publishing Company, Limited, New York. Price $1 per year, or single copy, 15c.

Philadelphia.

Market Notes.

The supply of cut flowers has at last begun to fall off, yet there are too many for the amount of business. Roses are selling better, but there is only about one-third as many coming in, compared with the past two weeks. For the best Beauty $3 per dozen is asked. Teas are selling at from $2 to $6 per 100. Sweet peas are still too plentiful, and only very choice flowers are wanted. Carnations are also in over-supply, the stores using only the very choicest. The balance goes to the street men. S. S. Pennock is receiving some very good flowers of Ethel Crocker from Albert M. Herr. This variety is flowering as well now as during the Winter, that is, the flowers are just as good in quality. It is also proving an excellent keeper, as during the glut last week some blooms, four days old, were sold, and apparently were as good as when first received.

Outdoor flowers, such as paeonies, etc., are now arriving, but so far are selling slow.

The demand for bedding plants continues and prices are stiffening a little. The bulk of the geraniums have been sold off at $7 per 100, and growers having stock on hand are holding it at higher rates. Pot roses are also well sold out at low values; early sales only brought 20c. and 25c. for 6-inch pot plants; now 30c. could easily be had—but roses are not to be got. All bedding plants are becoming scarce; business in this line has been very good.

Visitors in town: D. H. Mish, Lebanon, Pa.; H. J. Huesman, Reading, Pa.

Bayersdorfer & Co. have been very busy with Decoration Day demands, having had to work several nights to keep up with orders. DAVID RUST.

Cincinnati.

Trade News.

Business still remains stationary, with no special improvement over former weeks. Extreme hot weather during the fore part of the week rushed stock into bloom and put a damper on trade, but toward the latter part of the week heavy rain set in, with a tendency to drop the temperature, and stock slackened up somewhat; but we still have plenty left to fill all orders. Decoration Day will help out a little, and commencement exercises are about due, so we expect much better business for the tail end of May.

Plant trade remains good with the growers, and many are already sold out of cannas and geraniums.

Wm. Bertermann was a caller on his way home from the South, where he has been during the Winter. He is much improved in health, and on a fair road to recovery.

No decision has been made as yet by the City Fathers as to the park superintendency. The latest news is that they will abolish the office entirely and appoint a florist at each of the parks. The matter will probably be settled this week.

Wm. Rodgers, of Price Hill, is spending a few weeks at French Lick Springs, Ind., on account of poor health.

E. G. GILLETT.

CALIFORNIAN SEEDS

Contract Prices for 1900 Harvest on Application.

WHOLESALE ONLY.

PERRY WATSON & CO.,

SACRAMENTO, CAL.

Mention the Florists' Exchange when writing.

50,000 ROSES FOR SALE.

The Following Varieties, from 2 inch Pots, $3.00 per 100.

Most of These Varieties, from 4 inch Pots, $10.00 per 100. Some at $8.00 per 100.

3500 Champion of the World,	400 Souv. de Wootton,	800 Yellow Soupert,
3 00 Snowflake,	350 Mme. Schwaller.	600 Clothilde Soupert
4000 The Bride,	450 Countess Rlza du Parc,	800 Niphetos,
700 Meteor,	350 Duchess de Brabant,	150 Devoniensis,
6 0 Souv. du Pres. Carnot,	700 Pink Soupert,	250 Priscilla,
300 Etoile de Lyon,	350 George Pernet,	4000 Bridesmaid,
900 Catherine Mermet,	3000 Highland Mary,	250 Souv. Jeanne Cabaud,
500 Maman Cochet,	1200 Perle des Jardins,	250 Mrs. DeGraw,
1000 White La France,	2000 Hallowe'en,	500 Bon Silene,
300 La Princess Vera,	600 Marechal Niel.	300 Pink Daily,
500 Safrano,	250 The Queen,	600 Mad. Abel Chatenay,
100 Mme. F. Kruger,	1300 Marie Guillot,	350 Gen. Iob't E. Lee,
1000 Climbing Meteor,	800 Henry M. Stanley,	200 Mme. Hostc.

The Following Varieties, from 2 inch Pots, $4.00 per 100:

2000 Hallowe'en, 600 Marechal Neil, 1400 White Maman Cochet, 175 Mad. Helen Cambier.

	Per 100		Per 100
Am. Beauty, grafted, 4 in. pots	$15.00	Kaiserin Augusta Victoria, 2 inch pots	$5.00
" " own roots, 3 in. pots	10.00	Climb. Kaiserin Aug. Vic., 3 in. pots	10.00
Kaiserin Augusta Victoria, 3 inch pots	10.00	" " " " 2 in. pots	5.00

NEW EVERGREEN ROSES.

Evergreen Gem, Jersey Beauty, Gardenia, 4 inch pots.....$10.00 per 100

PHLOX—Very Fine, $4.00 per 100; Our Selection, $3.00 per 100.

Mme. P. Langier,	Queen,	Richard Wallace,
Terre Neuve,	Bouquet Fleure,	Alceste,
Hector,	Jean de Arc,	Epopee,
Jules Juoy,	Premier Minister,	White Swan.
J. H. Slocum,	Aurora Borealis,	

CHOICE CANNAS.

The Following Varieties, from 3 inch Pots, $6.00 per 100.

Alphonse Bouvier,	Chas. Henderson,	J. C. Vaughan,
Austria,	Duchess de Montmort,	Queen Charlotte.
Burbank,	Madame Crozy,	Sennholz.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Mention the Florists' Exchange when writing

Rochester, N. Y.

A Fatal Accident.

Lewis Donnelly fell from a moving train near Newark, N. Y., on the 20th inst., and was fatally crushed. Mr. Donnelly was a well-known and respected florist of Charlotte. He had been engaged in landscape gardening for some time, and was on his way to New York at the time of his death to get new ideas to use in embellishing the grounds of the Ontario Beach Improvement Co. Mr. Donnelly was 33 years of age, had been successful in business, and will be missed by a wide circle. G. A., JR.

FOR SALE CHEAP Violet runners must be sold as we need the room for other stock. Write for prices.

10,000 MARIE LOUISE

DEAN & PARSE. - Summit, N. J.

Mention the Florists' Exchange when writing

SEEDS Primula chinensis fimbriata, Cineraria, Calceolaria, Cyclamen, Pansy, Germ. Oiant, Benary and Cannell's strain, mixed or separate colors, trade pkt. 25c.; Cryptomeria and Cupressus Lawsoniana, fresh crop, 1000 seeds, $1. Shellroad Greenhouse & Seed Company, Grange P. O., Baltimore, Md.

Mention the Florists' Exchange when writing

CALADIUM ESCULENTUM

(Elephants Ear).

4-6 inches circumference	...per 100,	$0.75
7-9 "	"	1.25
9-10 "	"	2.50
Tuberoses, Pearl, 4-6 inch	"	.50

H. G. FAUST & CO. 64 & 66 N. Front St. PHILA., PA.

Mention the Florists' Exchange when writing.

NOW IS THE TIME TO BUY

Michell's European Prize Mixture of Choicest Chinese Primrose

(Primula Sinensis Fimbriata.)

NEW SEED—$1.00 per trade packet; 60 cts. per ½ trade packet.

HENRY F. MICHELL

1018 Market St., Phila.

WHOLESALE PRICE LIST OF SEEDS, BULBS &c. ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS.

Mention the Florists' Exchange when writing.

Farquhar Violets Strong plants from 2½ inch pots, $3.00 per 100, $25.00 per 1000. Cash with order. Rooted cuttings all sold.

THOS. F. O'BRIEN, 26 Folsom Street, Roslindale, Mass.

Mention the Florists' Exchange when writing.

VIOLETS We still have plenty of Lady Campbell and Swanley White, rooted cuttings, $5.00 per 1000; 2¼ in. pots, of all varieties, ready about June 10th.

GERANIUMS, S. A. Nutt and Brunttl, $7.00 per 100 with, and $6.00 per 100 without, pots. Mme. Salerol, 3 in., $3.50 per 100

CANNAS, Star of '91, like Bouvier, also a mixed lot of Florence Vaughan, Burbank, Austria, Egendale, Cabos, etc., at $3.00 per 100.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

Carnation Cuttings All Sold.

Have a Few

LADY CAMPBELL

Sand Struck Cuttings, $5.00 per 1000

WILLIAM SWAYNE, Kennett Square, Pa.

Mention the Florists' Exchange when writing.

MARIE LOUISE VIOLETS.

Clumps, $10.00 per 100, or Divided Rooted Plants from Clumps, $1.00 per 100; $7.00 per 1000. Plants are Clean.

CASH WITH ORDER.

At GLEN COVE GREENHOUSES, F. G. MENSE, Prop.

GLEN COVE, L. I., N. Y.

Mention the Florists' Exchange when writing.

MARIE LOUISE

VIOLET CLUMPS

In A No. 1 condition, no disease, at **$5.00 per 100.**

CASH WITH THE ORDER.

W. H. SCHNABEL, Croton Falls, N. Y.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

New Imperial Violet

From 2-inch pots: $3 per 100; $25 per 1000.

Satisfaction Guaranteed.

T. G. THRASHER, Avon, Mass.

Mention the Florists' Exchange when writing.

EVERGREENS.

Black Hills Spruce, 3-4 ft., transplanted, $0.50
" " " 4-6 ft., " 1 00

English Yew, Hemlock, Koster's Blue Spruce and other choice varieties in FINE SPECIMENS.

CLEMATIS PANICULATA, JACKMANNI, ETC., STANDARD RYDRANGEAS, STANDARD ROSES, PYRAMID BOX, RHODODENDRONS, AZALEAS.

HIRAM T. JONES,
Union County Nurseries, ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

TREES Fruit Trees, Small Fruits, including grapes. Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. Rochester, N. Y.

Mention the Florists' Exchange when writing.

F. & F. NURSERIES

SPRINGFIELD, NEW JERSEY.

Wholesale Growers. TREES AND PLANTS in full assortment. Trade Catalogue Free.

Mention the Florists' Exchange when writing.

SURPLUS FOR SPRING 1900

Can yet do PEACHES and JAPAN PLUMS in limited quantity; also MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY, STRAWBERRIES from best leading varieties. Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.
ALEX. PULLEN, PROPRIETOR.

Mention the Florists' Exchange when writing.

EDWARD B. JACKSON,

Wholesale Florist.

Hardy Herbaceous Plants Only

In any quantity for the least money.

STAMFORD, CONN.

Mention the Florists' Exchange when writing.

CABBAGE. CABBAGE

10 acres of plants now ready, leading varieties, $1.00 per 1000; $8.50 per 10,000.

LETTUCE Boston Market, Tennis Ball, Curled Simpson, Grand Rapids, and other vars., 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

TOMATO Small plants for transplanting, in several varieties, 15 cts. per 100; $1.00 per 1000.

PEPPER Small plants for transplanting, in several varieties, 25c. per 100; $2.00 per 1000. If by mail, add 10c. per 100.

EGG PLANTS New York Improved for transplanting, 25c. per 100, $2.00 per 1000.

CELERY Golden Self Blanching and White Plume, 15c. per 100, $1.00 per 1000

Other vegetable plants in season. Cash with order. If by mail, add 10c. per 100.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

FRUIT and ORNAMENTAL TREES,

Shrubs, Vines and Roses

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., Geneva, N. Y.

Mention the Florists' Exchange when writing.

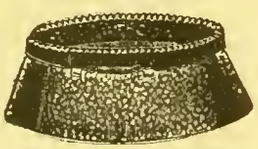
Yucca Filamentosa

Fine, large plants, $10.00 per 100.

SAMUEL C. MOON, Morrisville, Pa.
BUCKS CO.

Mention the Florists' Exchange when writing.

A Picture of the....



EXPANSIVE TREE PROTECTOR.

Absolutely prevents all worms and insects from crawling up fruit and shade trees. For agency, territory and prices, address

EXPANSIVE TREE PROTECTOR CO.,
ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

AMERICAN HOLLY (Ilex Opaca)

This is one of America's most beautiful evergreens. Its foliage varies very little from that of the English Holly, and its rich clusters of scarlet berries make a good substitute for flowers in the Winter shrubbery. It is hardy in almost any locality. To insure safety in transplanting, the leaves should be removed from the plant at that time.

1 to 2 ft., transplanted, heavy.....$4.00 per 10; $30.00 per 100.
2 to 3 ft., " " .....$6.50 " $50.00 "
3 to 4 ft., " " .....$9.00 "

ANDORRA NURSERIES, Wm. Warner Harper, Proprietor, Chestnut Hill, PHILA., PA.

Mention the Florists' Exchange when writing

THE STORRS & HARRISON CO., Painesville, Ohio

Desire to call the attention of Florists and Nurserymen to their 40 acres of HARDY ROSES, their complete assortment of FRUIT and ORNAMENTAL TREES and SHRUBS, and their 44 Greenhouses of ROSES, PALMS, FICUS, FERNS, ETC.

Correspondence and personal inspection solicited. Trade List and Catalogues free.

Mention the Florists' Exchange when writing

OAKS 10,000 Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogues on application. Send estimate of wants for prices.

THE WM. H. MOON CO., GLENWOOD NURSERIES, Morrisville, Pa.

Mention the Florists' Exchange when writing.

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN

WILSON J. PETERS, Troy, O., President; D. S. LAKE, Shenandoah, Ia., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

San José Scale, Tree and Plant Diseases in Ohio.—A law was enacted by the last General Assembly of Ohio "to prevent the introduction and spread of the San José scale and other dangerous insects and dangerously contagious diseases affecting trees, shrubs, vines, plants and fruits." The law provides for an annual inspection of every nursery in the state and forbids the transportation or sale within the state of uninspected nursery stock, whether grown within or outside of the state. It also provides for the inspection of orchards and the compulsory treatment of infected orchards, or the destruction of those in which the infection has progressed so far as to render treatment impracticable. Black Knot and Peach Yellows are declared to be dangerous within the meaning of the law. The execution of this law is lodged with the Board of Control of the Ohio Agricultural Experiment Station, and the Board has organized the work as a department of the station, under the general control of the director of the station, as representative of the Board of Control, and under the immediate supervision of a chief assistant to be known as horticultural inspector. Mr. Lowell Roudebush, of Clermont County, a member of the State Horticultural Society, has been appointed to this position. The inspector will visit suspected orchards on request, so far as his time will permit, and will give advice respecting their treatment. This will be done without any charge to the owner of the orchard, except to convey the inspector from the nearest railway station to the orchard and back again. Orchardists throughout the state are urged to avail themselves of this opportunity to obtain expert advice, and to do so without any fear that valuable trees will be hastily condemned by the inspector. On the contrary, no tree will be destroyed so long as there remains any reasonable chance of saving it, nor until its existence becomes a source of positive danger to trees adjoining. As the inspector is himself a practical horticulturist the fruit growers of the state need have no fear but that this question will be treated from a business standpoint. As nurserymen can no longer carry on their business in Ohio without a certificate from the Experiment Station they should make application for such certificate at once. Correspondence should be addressed to Experiment Station, Wooster, Ohio.

Rochester, N. Y.—John Hall, secretary of the Western New York Horticultural Society, recently met with an accident by being thrown from his wheel, seriously injuring his left hand.

THE PINEHURST NURSERIES,

OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.

Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda nitida, Fothergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Dionæa muscipula, Lupinus diffusus, Phlox subulata, Sarracenias, etc., etc. Ask for Trade Lists.

Mention the Florists' Exchange when writing.

VEGETABLE PLANTS

Fine, large stocky plants plants, ready to plant out.

Egg Plants, New York Improved.
Peppers, Bull Nose.
Tomato, Stone Improved.
Cauliflower, Early Snowball.

All at $2.00 per 1000. 500 at 1000 rate.

GUSTAV PITZONKA, - Bristol, Pa.

Mention the Florists' Exchange when writing.

CLEMATIS PANICULATA

Strong plants from soil, $2.00 per 100, post paid.

Hardy Pinks Young plants; 5 sorts, as follows: Alba Fimbriata, May, Laura Wilmer, Earl of Carlisle and Brunette, 60c. per 100, post paid; $5 00 per 1000, express.

Madeira Vine Roots 50c. per 100; $4.00 per 1000.

SATISFACTION GUARANTEED.

A. B. DAVIS & SON, Purcellville, Va.

Mention the Florists' Exchange when writing.

CLEMATIS.

Large flowering, fine plants in best condition for immediate planting, of the following varieties: Jackmanni, purple; Henryi, white; Grand Duchess, large white; Ramona, lavender; General Grant, crimson; Marvel, snow white; Star of India, purple and red; Duchess, double white; Countess Lovelace, double lavender; Princess, blue, white border; Mad. Andre, red; Gipsy, maroon; Duke of Norfolk, large blue; Reomesina, red; Belle of Woking, beautiful full double blush; new Jackmanni Superba, a grand variety, much superior to Jackmanni; Mme. Baron Veillard, pink; Gen'l Wolseley, purple and red. Strong-growing 2-year plants, 15c.; $1.75 per doz.; $14.00 per 100. 25 at 100 rates.

CLEMATIS PANICULATA A fine lot in three sizes, $1.00, $1.50, $2.00 per dozen, very heavy plants.

F. A. BALLER, Bloomington, Ill.

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM
PÆONIES, BLEEDING HEART
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing

Vegetable Plants—Cabbage and Tomato Plants, best leading varieties, fine plants ready to plant out, $1 per 1000; $8 per 10,000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

SMILAX

From flats, by mail, 50 cts. per 100; $4.00 per 1000. From 2 in. pots, $1.50 per 100; $13.00 per 1000.
HYDRANGEA, 5 in. pots, $3.00 per doz; 4 in pots, $2.00 per doz; Rooted Cuttings, $1 25 a 100; $10 a 1000.
LARGE-FLOWERING CANNA ROOTS, $4.00 per 100.

Cash with the order. Send for samples.

FRED BOERNER, Cape May City, N. J.

Mention the Florists' Exchange when writing.

Smilax Plants.

Extra Strong Plants out of 2½-inch pots, $2.50 per 100. Cash with order.

WILLIAM SCHWEINFURTH,
Ridgewood, N. J.

Mention the Florists' Exchange when writing.

CLEARY & CO.,

Horticultural Auctioneers,
Sales Every Tuesday and Friday,
60 Vesey St., NEW YORK.

Mention the Florists' Exchange when writing.

GERANIUMS

In leading varieties.

3½ and 4 inch pots, $5.00 and $6.00 per 100; extra good stock, $8 00 per 100; $60.00 per 1000.

CANNAS Florence Vaughan, Crozy, 4 inch pots, $6 00 per 100.

R. E. EDE, Parkville, BROOKLYN, N. Y.
CONEY ISLAND AVENUE.

Mention the Florists' Exchange when writing.

GERANIUMS and VINCAS

QUEEN OF THE WEST } Extra good, 4 inch
BRUANT, GEN. GRANT } pots, $7.00 a 100

VINCAS Very strong and heavy, $1.50 per doz.; $10.00 per 100

Cash please. Carnation cuttings all sold.

GEO. A. RACKHAM, 880 Van Dyke Avenue, DETROIT, MICH.

Mention the Florists' Exchange when writing.

Alternantheras

Red and Yellow.

2 inch, at $2.00 per 100.

JOHN F. HORN, Allentown, Pa.
20 NORTH SIXTH STREET.

Mention the Florists' Exchange when writing.

C. H. JOOSTEN, SPECIAL, CANE PLANT STAKES, 6 to 7 feet, per 1000, $6.00; per 250, $1.75.
KENTIA BELMOREANA SEED, per 1000, $4.50; per 3500, $14.00.
CYCAS REVOLUTA STEMS, small size, 100 lbs., $8.00. 85 DEY STREET, NEW YORK.
Catalogue of FALL BULBS and PLANTS on application.
Mention the Florists' Exchange when writing.

St. Louis.

Trade Notes.

There is little change in the situation here. The big street railway strike is still on, and business downtown amounts to little or nothing. Not only the florist's, but all trades are suffering; it has long since ceased to be a joke, and as one florist remarked, "the novelty of the thing has indeed worn off." The wholesale men are not getting in very much stock. Roses are rather poor in quality and would not be over plentiful were business anything like normal. Sweet peas are quite abundant and sell at 50c. per 100. Carnations also are in good supply, but bring only 1½c. for the very best, down to $5 per 1,000.

Most of the heavy bedding is over, and we are of the opinion that stock will not be sold out as clean as was expected and hoped for, as the strike simply paralyzed the market trade, and by the time business is resumed it will be late and people will not take hold as they should. We figure it that we have done less than one-half the ordinary business during the past two weeks, and that being in our very best season it will certainly make a big difference in the total sales.

Carnations in the field look fine this year, having had abundance of rain. Some of our rose men are already tearing out their old stock preparatory to replanting.

Scarcity of Good Help.

Good help is scarce here; it seems almost impossible to get capable greenhouse hands, the tendency among them being to drift back East, where, we presume, wages are better. We are of the opinion that tradesmen in this section do not pay enough wages to keep good men; on the other hand we pay as much as can be afforded. The only way out of the difficulty is to get more money for our goods, and that seems hard to do.

C. C. S.

Boston.

Market News.

Business continues fairly good for this season, though there is no rush; and everything seasonable is plentiful. However, the drugginess of the market usual at this time has so far been averted, owing to the backward Spring, and probably will be, until next month, as Decoration Day next week will likely use up quantities of flowers.

Roses are getting rather poor in quality now, but are in good supply, moving somewhat slowly. American Beauty are plentiful, and a few flowers of the new crop are coming in pretty good. The specials make $20 to $25 per 100, while ordinary grades realize from $1 to $8, with No. 1 running to $16. Bride and Bridesmaid are coming smaller, and the latter are bleaching out somewhat. Kaiserin are in fair supply. A few Carnots have been brought in.

Carnations are still plentiful but generally hold out of very good quality. Fancy carnations continue to fetch from $2.50 to $4 per 100.

Bulbous stock is now about done in this market, after a long season, which has proved quite successful to the larger growers. Lilies are plentiful enough to meet the demand, which is rather light, and the quality is none too good. Valley is in good supply, and does fairly well, at $1.50 to $2 per 100. Sweet peas are still favored with quite a brisk demand and clean up well, at 50c. to 75c. per 100, extra quality making $1.

The demand for dried stuffs—cape flowers, immortelles, milk weeds, etc., has been very good with the wholesalers this year, much of this stock going to out-of-town buyers. Though there is quite a display of designs executed in these flowers in the retail stores, yet this practice is not so general as last year, which excelled any for some seasons past. Among the best trade there is little of this dried-flower work, the galax or ivy leaf being in greater demand.

Flowers will probably be in good supply next week, though many of the out-of-door varieties will not be in time, owing to the dull, backward weather. Lilac will be in good shape for the first time in years; it generally is gone by the last of May. This fact may lighten the demand for other flowers among the out-of-town dealers, especially if prices are boosted, as is customary at this season.

Jottings.

It has been announced by the committee in charge of the banquet to be tendered to the veteran gardener, Frederick L. Harris, by his many friends, as a testimonial of their regard and high esteem for him, that the banquet will be held at Hotel Brunswick, Boston, on the evening of June 9.

William F. Malloy, for many years salesman for the Waban Rose Conservatories, is now in charge of N. F. McCarthy & Co.'s auction room.

Wm. Sim, of Cliftondale, is now cutting some very fine candytuft with enormous heads of flower and stems 2 feet in length. It is the best candytuft brought into this market.

F. J. N.

GERANIUMS AND COLEUS.
Geraniums, Double Gen. Grant and mixed varieties, nice stocky plants, 4 in. pots, $5.00 per 100.
Coleus Verschaffelti, 2¼ in. pots, $2.00 per 100
200 White Verbenas, in full bloom, $2.50 per 1 0. Cash with order please.
G. RUMMLER, - - Nynch, N. Y.

DOUBLE PETUNIAS
4 inch pots, $6.00 to $8.00 per 100; 3 inch pots, $3.00 to $4.00 per 100; 2 inch pots, $2 50 per 100.
GERANIUMS, 10 variety, 3 inch, $4.00 per 100.
HELIOTROPES, in sizes.
CASH, PLEASE.
WILLIAM STUPPE, Hollis, L.I., N.Y.
Mention the Florists' Exchange when writing.

BEDDING PLANTS—First-class Stock. **Candytuft,** 2 in. pots, $3.00 per 100. **Giant Dble. Mixed Wallflower,** 3 in. pots, $4 00 per 100. **Petunias,** in bloom, mixed, 2½ in. pots, $3 50 per 100. **Stock,** white, crimson, 2½ in. pots, $3.00 per 100. **Sweet William,** fine, 2 in. pots; **Dahlias,** single, mixed, 2 in. pots; **Lobelia,** Crystal Palace and Speciosa, 2 in. pots; **Asters,** Queen of the Market, 2 in. pots; **Asters,** Semple's Branching, 2 in. pots, $3.00 per 100; **Asters,** from flats, same size, $2.00 per 100. 25 at 100 rates. **Tomatoes, Lettuce** and **Cabbage,** 50 cts. per 100; $4 00 per 1000. Cash with order.
FELIX BRIDGER, Westfield, N. J.
Mention the Florists' Exchange when writing.

CYCLAMEN
PERSICUM SPLENDENS GIGANTEUM. Finest strain in the world. Now ready to ship a splendid stock of plants, in four separate colors, from flats transplanted, $3.00 per 100, $25 per 1000; from 2 in. pots, $4 00 per 100, $35.00 per 1000; from 2½ in. pots, $5.00 per 100, $40.00 per 1000.
PELARGONIUMS. Mme. Thibaut, Victor, Dr. Masters, Fred Dorner, Mrs. Sandiford, from 2 in. pots, $1.00 per doz., $8.00 per 100. Guaranteed strictly first-class stock.
PAUL MADER, East Stroudsburg, Pa
Mention the Florists' Exchange when writing.

Fine Stocky Plants

	Per 100
CENTAUREA GYMNOCARPA, 2 in. pots	$2 00
GERANIUMS 12 vars., 2½ in. pots, strong	2 75
" " " "	3 75
SMILAX, 2 in. pots, per 1000, $8.00	1 00
ASPARAGUS SPRENGERI, 2 in. pots	3 00
ASPARAGUS PLUMOSUS NANUS	4 00
PRIMROSES, July 1, Chinese Forbesi, Obconica Grandiflora and Roses	2 00

CASH, PLEASE.
JOS. H. CUNNINGHAM, Delaware, Ohio.
Mention the Florists' Exchange when writing.

GERANIUMS in good varieties, in bud and bloom, 3½ in. pots, per 100, $5. Ivy Geraniums, in good varieties, in bud and bloom, 3½ in. pots, per 100, $5 00.
Fuchsia, 4 in. pots, per 100, $12.00. **Heliotrope,** 2 varieties, 2½ in. pots, per 100, $2.50. **Sulvia,** 2½ in. pots, per 100, $2.50. **Ageratum,** Cope's Pet, 2½ in. pots, per 100, $2.50. **Lobelia,** 2½ in. pots, per 100, $2.50. **Single Petunias,** 2½ in. pots, per 100, $2.50. **Periwinkle,** 3 in. pots, 100, $3. Cash with order.
WM. J. CHINNICK, Trenton, N.J.
Mention the Florists' Exchange when writing.

CANNAS
From 4 inch pots, good varieties, $8.00 per 100.
Geraniums, double Grant and Tasepede, 3 in. pots, $3.00 per 100.
Funkia Variegata, strong clumps, $8.00 per 100.
Salvia Splendens, from 2½ inch pots, $3.00 per 100.
Branching Aster Seed, mixed, 50c. per oz.
JOHN RECK, Bridgeport, Conn.
Mention the Florists' Exchange when writing.

Healthy, Strong Plants.
Carnations, in pots, Scott, $1.25 per 100; Flora Hill, $1.50 per 100; **Ivy Geraniums,** 3 colors, 60c. per doz.; **Alternanthera,** red and yellow, $1.50 per 100; **Thunbergia,** 60c. per doz.; **Hardy Ivy,** 60c. per doz.; **Rose Geranium,** 60c. per doz.; **Lantana,** 2 kinds, 60c. per doz.; **Vinca,** 4 inch, 75c. per doz.; 3 inch, 50c. per doz. Cash with order, please.
ALEX. SCHULTZ, Phillipsburg, N. J.
Mention the Florists' Exchange when writing.

Daisies, Violets and Baby Primrose
L. H. Campbell, California, rooted runners, 60c. per 100; $5.00 per 1000. **Princess of Wales,** the best single Violet, and **Swanley White,** 75c. per 100; $7.00 per 1000.
Baby Primrose, by division, 30c. per doz., by mail per 100, $2.00. CASH WITH ORDER.
P. M. De Witt, Bridgewater, Bucks Co., Pa.
Formerly of Torresdale, Pa.
Make Money Orders payable at Eddington, Pa.
Mention the Florists' Exchange when writing.

200,000 Aster Plants
Strong, stocky plants, ready to plant out, Queen of the Market, Truffaut's Perfection, Comet, Victoria, and Semple's Branching, Semple's in mixed and separate colors; seed saved from the largest and most double flowers only, 50c. per 100, by mail, $1.50 per 500; $2.50 per 1000, by express.
GUSTAV PITZONKA, Bristol, Pa.
Mention the Florists' Exchange when writing.

ECHEVERIA
$3.00 to $8.00 per 100, according to size.
Fuchsias and **Heliotrope,** 4 inch, $6.00 per 100.
Achyranthes, 2 inch, $2.50 per 100.
Santolina, 1½ inch pots, $2.00 per 100, and all kind of Spring bedding plants.
CASH WITH ORDER.
HENRY ENGLER, 4651 Lancaster Av., PA.
Mention the Florists' Exchange when writing.

COLEUS!
Crimson Verschaffeltii, Golden Queen, Golden Bedder, and Mixed Rooted Cuttings, 60c. per 100; $5.00 per 1000. 2 in. pots, $1.50 per 100.
HELIOTROPE, 12 varieties, 2 in. pots, $2 per 100
GERANIUM, Pink Beauty, 3 in. pots, $3.50 a 100.
ALTERNANTHERAS, 2 in. pots, P. Major, $1.75 per 100; A. Nana, $1.50 per 100.
PANSY PLANTS, in bloom, extra choice colors, stocky plants, $1.00 per 100; $8.00 per 1000.
Cash With Order.
C. A. HARRIS & CO., Delanson, N. Y.
Mention the Florists' Exchange when writing.

WHAT DO YOU WANT?
I have 10,000 **Scott, McGowan** and **Portia Carnations,** from flats, $10.00 per 1000.
L. H. Campbell and **California Violets,** 10,000 strong, Fall runners, ready to plant, $8.00 per 1000; **Princess of Wales,** $15.00 per 1000. All above by 100 same price.
5000 Ampelopsis Veitchii, long, live tops, pot-grown, dormant, at $3.00 per 100 or $25.00 per 1000.
5000 Vinca Major var., 2½ in. strong, $3 00 a 100. **Carex Japonica,** Golden Glow, **Blue Moon Vines, Hulleana** and **Golden Honeysuckle, Blue** and **Crimson Spiraea,** all from 2½ in. pots, good, 3 cts. each, as many as you want.
Also **Lady Washington Geranium, Genista,** assorted. **Flowering Begonias, Manettia Bicolor,** 4 cts each; **Sprengeri,** 3½ in., fine, 8 cts.
Cash with order, please. **BENJ. CONNELL, Florist, WEST GROVE, PA.**
Mention the Florists' Exchange when writing.

SALVIA SPLENDENS At $6.50 per 100
PACKING INCLUDED.
FROM 4 INCH POTS.
D. LANDRETH & SONS, 1001 Market Street, PHILADELPHIA.
Mention the Florists' Exchange when writing.

AZALEAS - PALMS - NEW PLANTS BAY TREES SANDER BRUGES, BELGIUM.
The largest and finest stock on the Continent.
A. DIMMOCK, our representative, is now in the U. S. and will be pleased to reply to any communications addressed to **40 Vesey Street, New York.** Lists on application.
Mention the Florists' Exchange when writing.

EDELWEIS Gnaphalium Alpinum, from Switzerland. The first in America, in good condition, in bloom, 1 year old plants, per doz., $2 00. Order booked now, for fall delivery, per 100, $10.00.
PATSHOULI The finest French perfume plant, per doz., $1.00.
ALBERT KNAPPER, Frankford, Philadelphia, Pa.
Mention the Florists' Exchange when writing.

GERANIUMS
Good varieties, from 4 in. pots, $50 a 1000.
Strictly Cash With Order.
L. I. NEFF, Florist, 218 Sixth Street, PITTSBURG, PA.
Mention the Florists' Exchange when writing.

BARGAIN **Geraniums,** Double Gen Grant and Rose in bud and bloom, fine 4 in., $5 00 per 100. **Coleus,** Vershaffeltii and good bedder, 2½ and 3 in., strong, $2.00 per 100. **Verbenas,** finest mixed, **Phlox Drummondi,** fine stock, 3½ in., in bud and bloom, $3.00 per 100. **Lobelia,** trailing.
Nasturtiums and **Rose Geraniums,** extra strong, 2½ and 3 in., $2.00 per 100.
Stevia, dwarf, best for winter flowering, strong 2½ in., $4 00 per 100.
Cash Please.
WM. S. HERZOG, - Morris Plains, N. J.
Mention the Florists' Exchange when writing.

GERANIUMS
In 4 inch pots, in bud and in bloom, composed of the following varieties:

Beaute Poitevine,	E. G. Hill,
La Favorite,	Jas. Garr,
Marguerite De Lyas,	Mrs. F. Perkins,
Roy Bias,	Alphonse Riccard
Van Dale,	Wilhelm Pfitzer.

And several other No. 1 varieties, all in fine condition or no sale.

FUCHSIAS
In variety, 4 inch pots. The selection of sorts to remain with us.
Price, $5.00 per 100.
PACKING FREE. CASH PLEASE.
J. E. FELTHOUSEN, Schenectady, N. Y.
Mention the Florists' Exchange when writing.

MAURANDYA VINE!
Rosea and Alba, just what you want for baskets and vases, 3 cts.
ALTERNANTHERAS, R. Nana, A. Nana, P. Major, 2½ cts.; R. C., 60 cts. per 100; $5.00 per 1000.
GERANIUMS, Salleroi, Mrs. Taylor, Walnut and Rose, 2½ cts.
VINCA MAJOR, white leaf, 2½ in., 2½ cts.
BEGONIAS, in variety, 2½ cts.
TRAILING LANTANA, 2½ cts.
GNAPHALIUM, fine for baskets, etc., 2½ cts.
ACHYRANTHES, 2½ cts.
COLEUS, Beckwith Gem, Queen of West and other varieties, 2 cts.
TRADESCANTIA Multicolor, 2 cts.
GIANT SWEET ALYSSUM, 2 cts.
CASH, PLEASE.
A. J. BALDWIN, Newark, Ohio.
Mention the Florists' Exchange when writing.

20,000 ASTERS
Semple's, Truffants and Victoria, 4 colors each; Vicks Branching and Daybreak;
250 by mail, $1.00; per 1000, $3.00.

Fuchsias, in variety, 3 inch	$4 00
Abutilons, in variety, 2 inch	2 50
Baby Primrose, 2 inch, strong	3 00
Lobelia, Crystal Palace Gem, 2 in.	2 00
Phlox Drummondi, 4 colors, 2 in.	1 50
Mars Geranium, strong, r. c.	2 00

Cash With Order, Please.
GEORGE J. HUGHES, - Berlin, N. J.
Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, and ten cents to cover expense of forwarding.

SITUATIONS WANTED.

WANTED situation as gardner-florist, by thoroughly experienced Hollander: A1 references. Address F. Th. C., care of Franklin & Crosby, Brooklyn, Conn.

WANTED situation as working foreman, well up in all branches of the business, first-class references; English, married. Address, with full particulars and wages, to S. F., care this paper.

SITUATION wanted as foreman, by first-class grower of cut flowers and general greenhouse stock; capable of handling men; strictly temperate and reliable; disengaged May 31. Address S. E., care Florists' Exchange.

GARDENER, young German, single, wishes steady situation near New York, where good stuff is grown; 5 years' experience in this country; capable to take charge of houses; can give good reference. H. B., Room 8, 475 Pearl St., New York.

WANTED a situation as a grower of roses, carnations, 'moms, violets and general stock; married, no children; best of reference; please state wages and full particulars in first letter. Address F. F. Rentz, Neffsville P. O., Lancaster Co., Pa.

HELP WANTED.

WANTED—An assistant for roses and carnations, married man preferred; wages, $10 per week; good recommendations required. John Keck, Bridgeport, Conn.

WANTED—An experienced all-around greenhouse man, must be sober, industrious and well recommended; steady position to right party, good wages. H. Blakey, Sea Girt, N. J.

WANTED, landscape draughtsman familiar with nursery stock and nursery work. Good position for an energetic young man. J. Wilkinson Elliott, Carnegie Building, Pittsburg, Pa.

WANTED, July 1st, 1900, young married man, who thoroughly understands growing carnations and bedding stock. Strictly temperate. References required. W. F. Jagger, Westhampton, N. Y.

WANTED working foreman, thoroughly competent, steady and sober, must have good reference, no other need apply. Write us stating experience, etc., and salary wanted. Greene & Underhill, Watertown, N. Y.

WANTED experienced seedsmen to take full charge of vegetable and flower seed department of Western seed house; good salary and position for right man; must be able to furnish first-class references. Address immediately giving full particulars, S. C., care Florists' Exchange.

WANTED—PARTNER WITH A WORKing capital, $500 to $600, must be willing to work same as myself; place of 8 houses located opposite two cemeteries; a good opportunity. Address S. H., care Florists' Exchange.

MISCELLANEOUS WANTS.

WANTED 3000 ft. of 10x12 glass, double thick, state price. George I. Laird, 3014 Fulton St., Brooklyn, N. Y.

WANTED—100 Adiantum Farleyense from 3 or 4 inch pots. Will exchange Adiantum Cuneatum Grandiceps or Adiantum Gracillimum from 2¼ pots. Mrs. Flora T. Howell, Pine Bush, N. Y.

Mention the Florists' Exchange when writing.

MISCELLANEOUS.

FOR SALE—3 locomotive pattern boilers; all the above are second-hand steam boilers, in good condition. Address R. F., care Florists' Exchange.

FOR SALE. Lot 10x12 double thick glass, bothed sash 3x6, three ventilator apparatus, steam pump, upright boilers, sash bars, standard pots, 2 to 4 in. H. S. Roop, Westminster, Md.

BUSINESS OPPORTUNITIES.

FOR SALE or to rent, cheap, 4 greenhouses, 2 acres ground, with dwelling, in Philadelphia. Apply to Wm. Laycock, 910 Walnut St., Phila., Pa.

MUST sell at once, cheap, 9 greenhouses, together or separate, boilers and piping as good as new. M. L. Tavns, Kings Highway and Coney Island Road, Gravesend, L. 1.

FOR sale, greenhouse property; 6 greenhouses, 8000 sq. ft. glass; the only florist near a cemetery; established 12 years, 20 miles from New York City, and 3 minutes from station. Price, $3,500; the ground alone is worth the price as building land. Address S. G., care Florists' Exchange.

P. GORMLEY, on account of death in family, offers his greenhouse property for sale; the best stand to be found in New England, everything convenient, a chance of a lifetime for someone, as I am going to sell at a sacrifice. For any information, address P. Gormley, Worcester, Mass.

FOR SALE—14,000 feet of glass, used mostly for roses, 4 acres of ground and 2 dwelling houses; 3 minutes from station, city improvements, hot and cold water, and good forcing water in greenhouses supplied by Summit Water Co. Will sell whole or part interest. A. Harth, Millburn, N. J.

FOR SALE—Two greenhouses, one 120x20, other 60x20, office front, double thick glass, hot beds and sash. Large spring stock now on hand. Town of 30,000 inhabitants within 6 miles; no opposition, as nearest greenhouse is 24 miles away; two acres of good land, houses in good condition, steam heat, all new last year, including new boiler; will give possession right away; other business out of town cause of selling. H. M., care of Florists' Exchange.

FOR SALE—A WELL LOCATED Retail florist's business. For particulars, apply to Sigmund Geller, 108 West 28th Street, New York.

FOR SALE—240 ACRES OF LAND ON Isthmus of Tehauntepec, State of Vera Cruz, Mexico. For full particulars write Roland Hughes, 846 New York Life Building, Kansas City, Mo.

FOR SALE OR RENT—GREENHOUSES and 8 acres of land, within 5 miles of center of Philadelphia, in an improving district; 45,000 feet covered with glass, steamheated, stocked with roses, carnations, asparagus, smilax, violets, etc.; 12-room dwelling; stable. For further particulars, address Evans' Rowlandsville Nurseries, Station F, Philadelphia, Pa.

FOR SALE—THE MORRIS FLORALCO, Morris, Ill., consisting of 12 houses, 20,000 square feet of glass, 2 cottages, barn, 6 acres land; doing a retail and wholesale business; increase of business over last year was $1,282.61 up to April 1st. The plant cannot be built to-day for $20,000. Reason for selling: A. Mitting Sec'y and Mgr., retiring; there is nobody else in the incorporated company that is a florist. Terms, $3,000 cash, balance good paper. Open to the highest bidder; all bids will be opened on July 1st by the directors. If you mean business, come and see this new plant.

Mention the Florists' Exchange when writing

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A PLOT 220x125 FEET, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 MERCER STREET, N. Y.

Mention the Florists' Exchange when writing.

FOR SALE—100 HOT BED SASHES, 9x3 FEET, 8x10 GLASS; 75 HOT BED SASHES, 6x3 feet, 8x10 glass; 1000 lights 18x24 Single Thick Glass; One Force Pump; Upright Boiler, good order. Price on application. Must be sold immediately.

PATRICK WELCH, Welch Bros., 15 PROVINCE ST., BOSTON, MASS.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

A large list of the best new and leading standard varieties. Strong, healthy, vigorous plants from 2 to 2½ inch pots. There are none better; most of our customers tell us there are none so good. Send for complete list.

The Following CARNATION PLANTS

Still left. Genevieve Lord, from sand, grand stock, $10.00 per 100; $75.00 per 1000. America, Gomez and Maceo, $5.00 per 100. Jcoste, Pingree, $2.50 per 100. Gold Nugget, $3.00 per 100.

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

Firms Who Are Building.

MORRISVILLE, VT.—W. F. Steele is building a greenhouse plant here, and will start in the business.

HERKIMER, N. Y.—James Barclay is making extensive improvements in his Park avenue greenhouses.

SPRINGFIELD, PA.—Joseph Harris will erect another greenhouse in the Fall—the third in two years.

RHINEBECK, N. Y.—William Weckesser will build a violet house here.

George M. Garland is putting up six houses for Adolph Poehlman, Morton Grove, Ill. Each house is 250 feet long by 27 feet wide. The iron gutter is used throughout.

Springfield, Mass., is to have a rose show in June next.

SOUTHAMPTON, N. Y.—William F. Halsey has rented a cut flower store here for the Summer.

FOR DECORATION DAY!

Nasturtium, Gunter's Hybrids, all colors, in full bloom, 12 to 24 inches long, nice for trailing, $2.50 a 100.

Ageratum, white, 2½ inch, in bloom, $2.00 per 100; Princess Pauline, 2½ inch, in full bloom, $2.00 per 100.

Shipped same day order is received.

RICHARD INSALL, - West Moorestown, N. J.

Mention the Florists' Exchange when writing

CHRYSANTHEMUMS

Bergmann, Lager, Glory of Pacific, Nevens, M. Dean, Yanoma, Bigelow, White and Pink, Ivory, Philadelphia, Bonnaffon, Robinson, Bassett and others, from 2¼ in. pots and soil, at $2.00 per 100; $15.00 per 1000.

CASH WITH ORDER, PLEASE.

A. NELSON, P. O. Box 1450. Paterson, N. J.

Mention the Florists' Exchange when writing.

VALUABLE NOVELTY Beautiful New Foliage Plant.

CHRYSANTHEMUM GREEN AND GOLD

Leaves exquisitely variegated; pale lemon, yellow and light green, the yellow predominating. Lovely at all times, but when adorned with its immense double, fluffy, cream white flowers, beautiful to behold. Comes true, rarely giving green shoots. DON'T FAIL TO TRY IT. $2.00 per doz.; $10.00 per 100. Send for Catalogue and Trade List

Mrs. Theodosia B. Shepherd, Ventura-by-the-Sea, Cal.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Major Bonnaffon, and 30 kinds, from 2¼ in pots, $2.00 per 100.

ASTERS Strong plants, Queen of Market, White and Mixed, at $1.00 per 100.

SURPLUS ROSES Cheap to close out, Kaiserin, Bride, Maid, Morgan, Car not.

J. W. HOWARD, Woburn, Mass.
RUSSELL STREET.

Mention the Florists' Exchange when writing.

IVORY 'MUMS

Fine stock, 2½ in. pots, $2.00 per 100; $17.50 per 1000.

SET OF 15 GERANIUM NOVELTIES

Including one **American,** $2.00, worth $4.00. Cash, please.

HENRY EICHHOLZ, - Waynesboro, Pa.

Mention the Florists' Exchange when writing.

Chrysanthemums

FOR ALL PURPOSES.

NOVELTIES AND STANDARD VARIETIES.

Send us a list of your wants for LOWEST CASH PRICES.

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Bergmann, Whilldin, Modesto, Midge, Glory of Pacific, M. Henderson, Lager, Bonnaffon, Robinson, Nivens, M. Dean, Florence Pullmann, Merry Monarch, Childs, Phoebus, Ermineids, Shrimpton, Evangeline, Boehmer, Iora, E. Prass, Bigelow, Yanoma, F. Hardy, Merry Christmas, Queen, L. Canning, V. Morrell, Silver Cloud, White and Pink Ivory, Pitcher & Maods. 12 Pennsylvanis and Philadelphia gratis with each order for 100 plants; from 2¼ and 2 inch pots, $2.50 per 100; from soil, $2.00 per 100.

BABY PRIMROSES, 3 in., $4.00 per 100.

CYPERUS, 3 in., $3.00 per 100.

YELLOW PARIS DAISIES, in bud and bloom, 3 in., $3.00 per 100.

J. G. EISELE, 20th and Ontario Sts., Phila., Pa.

Mention the Florists' Exchange when writing.

New Chrysanthemums for 1900

BONITA Beautiful deep golden orange; a bold handsome flower, with good stem and foliage, 50 cts. each; $4.50 per dozen; $30.00 per 100.

EULALIE The best anemone ever introduced for cut flowers, extra good stem and foliage, 60c. each; $5.00 per doz.; $35 a 100.

LUCIOLE A combination of pink cerise and lavender, a grand exhibition variety, 50 cts. each; $4.50 per doz.; $25 per 100.

SOUCI Beautiful clear yellow, form and color of Modesto but superior in every way. 50 cts each; $4.50 per dozen; $30.00 per 100.

WINONA White base veined with clear pink; a grand commercial variety, 50 cts. each; $4.50 per dozen; $30.00 per 100

Also grand **New Set** of **Early Pompons,** 12 varieties, one of each for $2.25.

All the **New Varieties** of **other raisers** at advertised rates.

JOHN N. MAY, Summit, New Jersey.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Bessie Burton	**Mrs. John J. Glessner**
Bonnaffon	**Modesto**
Cullingsfordii	**Mrs. S. T. Murdock**
Glory of Pacific	**Mrs. O. P. Bassett**
Ivory	**Nivens**
J. H. Woodford	**Rose Owen**
Minerva	**The Queen**
Mme. F. Bergmann	**Mrs. J. G. Whilldin**

Miss Minnie Wannmaker.

And others from 2¼ to. pots, $2.00 per 100, $15.00 per 1000

HARDY POMPON CHRYSANTHEMUMS

In 10 named varieties, 2½ in. pots, $2.00 per 100; $15.00 per 1000. 10 named varieties rooted cuttings, $1.00 per 100; $7.50 per 1000.

CARNATIONS.

Ben Tan	**McGowan**	**Partin**
New York	**Wm. Scott**	

2½ in. pots, $2.00 per 100; $15.00 per 1000.

Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

FOR SALE

Making a change in our method of heating, we offer the following Boilers for sale:

Two No. 17 Hitchings' Boilers, shaking grates. Been in use three seasons, are in first-class order. Price $125 00 each.

One No. 8 Furman Brick Set Hot Water Boiler. Been in use four months, as good as new. Price, $225.00

One No. 6 Furman Brick Set Hot Water Boiler. In use five months, as good as new. Price, $140 00.

One No. 8 Furman Brick Set Hot Water Boiler. In use three seasons, in first-class condition. Price $200.00.

One No. 7 Furman Brick Set Hot Water Boiler. In use five seasons, in good order every way. Price $150 00.

One No. 7 Furman Brick Set Boiler, steam or hot water. In use six six seasons, in good order. Price $100 00.

One No. 8 Furman Brick Set Boiler, steam or hot water. Been in use five seasons, in good condition. Price $150 00.

All of these Boilers are in the best condition. Shaking grates in all. Have just been taken out to make room for two large boilers. Will deliver F. O. B. Richmond.

Address **W. A. HAMMOND,**

107 East Broad Street, - RICHMOND, VA.

Mention the Florists' Exchange when writing.

CANNAS From pots. Austria, Italia, Pappa, F. R Pierson, H. Vaughan and Best Mixed, strong, from pots, $4 00 per 100.

Ageratum, dwarf blue; **Cineraria** Maritima; **Coleus,** Verschaffeltii and assorted, from 2½ in., $2 00 per 100; **English Ivy,** from pots, 3 to 4 feet, $10.00 per 100; **Verbenas,** mammoth, strong, from 3 in., $3 00 per 100. CASH WITH ORDER.

JAS. AMHACHER, Long Branch, N. J.

Mention the Florists' Exchange when writing.

AN EXTRA FINE LOT OF

CALIFORNIA GIANTS.

From 3 in. pots, in bloom, at $3.50 per 100.

FINE FRENCH CANNAS, Bouvier, Florence Vaughan, Philadelphia, Gloriosa, from 4 and 4½ in. pots, at $8.00 per 100. Will Exchange for good Geraniums and Coleus in seperate colors.

D. B. Edwards, Floral Hall, Atlantic City, N. J.

Mention the Florists' Exchange when writing.

FINE STOCKY PLANTS

	Per 100	1000
ASTERS, the best varieties....	$0.35	$2 50
STOCK, Princess Alice.....	.30	2.50
COSMOS, Early Dawn.....	.35	3 00
CANDYTUFT, Empress.....	.25	2.00
SWEET ALYSSUM, Little Gem.....	.25	2.00
ZINNIA, Dwarf Double.....	.35	2.50
AMPELOPSIS VEITCHII	.50	4.00
BALSAM, Camellia-flowered...	.35	3.00
CARNATIONS, Margaret, semi-dwarf.....	.35	3.00
SMILAX, plants from flats.....	.50	4.50

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing

Unequaled Varieties **VERBENAS** Vigorous Stock.

IN BUD AND BLOOM.

	100	1000
Best Mammoths, strong pot plants...	$3.00	$25.00
Older " strong pot plants...	2.50	20.00

ROSES.

Bridesmaid, Bon Silene, Catherine Mermet, Duchess of Albany, Golden Gate, Maid of Honor, Perle des Jardins, Sunset, The Bride, from 2¼ in. pots, $4.00 per 100, $38.00 per 1000; from 3 in. pots, $7.00 per 100; $60.00 per 1000.

CHRYSANTHEMUMS.

Adula, Eclipse, Idavan, Kuno, Mrs. Barr, Meta, Mrs. F. A. Constable, Nagoya, Silver Wedding, W. H. Chadwick, Xeno, Pennsylvania, Philadelphia. Price, from 2¼ in. pots, $6.00 per 100.

Autumn Glory, Black Hawk, Dolores, Dorothy Devins, Eureka, Elvena, Evangeline, Golden Trophy, G. F. Atkinson, G. W. Childs, Golden Wedding, H. W. Longfellow, J. H. Woodford, H. L. Sunderbruch, Iora, Lany Fitzwygram, Marsia Jones, Mrs. H. Weeks, Minnie Wanamaker, Miss Helen Wright, Maude Adams, Mrs. S. T. Murdock, Mrs Perrin, Miss M. M. Johnson, Maud Dean, Modesto, Mrs. O. P. Basset, Nemesis, Pitcher & Manda, Pink Ivory, Pride, Surprise, Viviand-Morel, Yellow Fellow. Price, from 2¼ in. pots, $3.50 per 100, $30.00 per 1000.

Ada Spaulding, Belle of Castlewood, Benj. M. Girond, Cullingfordii, Gladys Spaulding, Glory of the Pacific, Helen Bloodgood, Harry May, Ivory, J. E. Lager, J. H. Troy, Mrs. Jerome Jones, Merry Monarch, Marion Henderson, Major Bonnaffon Mrs. S. Humphreys, Marguerite Graham, Mme. Ferd. Bergmann, Minerva, Mrs. H. Robinson, Nivens, Riverside, Rose Owen, T. B. Morse, Thos. H. Brown, W. H. Lincoln. Price, 2¼ in. pots, $3 00 per 100; $27.00 per 1000.

MISCELLANEOUS PLANTS.

Ready for Immediate Sales.

	Per 100
Anthemis, Dbl. Golden Marguerite, 2¼ in. pots,	$3.00
Alternanthera, red and yellow, 2¼ in. pots..	3.00
Ageratum, blue and white, 2¼ in pots.....	3 00
" Princess Pauline, 2¼ in pots.....	4.00
Cuphea, Platycentra, 2¼ in. pots.....	3 00
Carnations, in bud and bloom, 4 in. pots	12.00
Fuchsias, double and single, 2¼ in. pots	3.00
" " " 3½ in. pots.....	8.00
Gerraniums, double and single, 3½ in. pots....	7.00
" " " " 3 in. pots.....	5.00
Heliotrope, light and dark, 3½ in. pots.....	5.00
" " " " 2¼ in. pots.....	3.00
Ivy, German, 2¼ in. pots	3.00
Moon Flower, white, 2¼ in. pots	4.00
Petunia, single, 2¼ in. pots.....	3 00
Pansies, transplanted	2.50
Salvias, Splendens and Bedman, 2¼ in. pots...	3.00
" " " " 3½ in. pots ..	5.00
Violets, M. Louise, $25.00 per 1000; 2¼ in. pots..	3.00
Feverfew, dwarf, from 2¼ in. pots.....	4.00
Impatiens Sultani, from 2½ in pots.....	4.00
" " from 3 in. pots	6.00
Pelargoniums, from 2½ in. pots	6.00

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

8000 ROSES HEALTHY STOCK.

8000 nice plants of Brides and Bridesmaid, from 3 and 3½ inch pots, at $4.00 per 100, or $35.00 per 1000; 500 at 1000 rates.

Full line of BEDDING PLANTS cheap. 2000 Brides, Kaiserins and Maid roses, from thumb pots, ready for a shift, at $2.00 per 100. A bargain.

Will exchange some stock for Chrysanthemums.

Cash With Order.

W. T. HILLBORN, - Newtown, Bucks Co., PA.

GERANIUMS, CANNAS, COLEUS.

Geraniums, dbl. Gen. Grant, strong, 3 in., $5.00 per 100. 1200 2½-in., 3 var., $30.00 the lot or $3.00 per 100. 500 R. C., 5 var., mostly dbl. red, the lot, $5.00, or $1.25 per 100.

Cannas, 3½ in., P. Marquant, Mme. Crozy, $4.00 per 100.

Coleus, R. C., 10 varieties, strong and clean, 90c. per 100; $7.00 per 1000.

McBRIDE'S NURSERY, Alpinus, N. Y.

Cash with order. E. FOUNTAIN, Mgr.

STRONG PLANTS

	Per 100
Passiflora Pfordii, 4 inch.....	$10 00
Cobæa Scandens, 4 inch.....	6 00
Rose Geraniums, Ageratum, 4 inch....	6 00
Heliotrope, Vinca Variegata, 3 inch....	3 00
Thunbergia, 3 inch..	3 00
Single Petunias, 3 inch.....	2 50
Double Petunias, 2 inch.....	2 00

Cash With Order.

JOSEPH F. SMITH, - Burlington, N. J.

GERANIUMS

Alphonse Riccard, Mme. Jaulin, Mme. Buchner, Eulalia, Marvel, Poitevine, 3 and 4 inch, $6.00 per 100.

Verbenas, 2½ in., bud and bloom, $2.50.
Ageratum, Princess Pauline. 2½ in., $2.00.
Single Petunias, 2½ in., $2.00.
Cannas, 4 in., $4.00 per 100.

PHILLIPS & DODGE, Billerica, Mass.

GERANIUMS

S. A. Nutt, Poitevine, Riccard, La Favorite, Grant and others, 2¼ inch, ready for 4 inch, $3.50 per 100; $30.00 per 1000.

VINCAS VAR. 4 in., 3 in. and 2½ in., $6.00, $4.00 and $2.50 per 100.

DRACÆNA INDIVISA, 6 inch, $3.00 per doz.; 5 inch, heavy, $2.50 per doz.

CASH WITH ORDER, PLEASE.

A. NELSON, P. O. Box 1450, **Paterson, N. J.**

Mention the Florists' Exchange when writing.

HELIOTROPE

2 inch, $2.00 per 100.

Merry Christmas 'Mums, 2 inch, $2.00 per 100.
Baby Primrose, $1.50 per 100.
Smilax, from flats, $1.00 per 100.
Geraniums, 4 inch, single Gen. Grant, $6.00 per 100.

CASH WITH ORDER.

WM. KEIR, - Pikesville, Md.

Mention the Florists' Exchange when writing.

CHEAP FOR CASH

Clematis Paniculata.

Strong healthy seedlings, ready for 2 inch pots, **$3.00 per 1000.**

SEND FOR SAMPLES.

FRANK JENCEK, 87 Webster Street, **Newport, R. I.**

Mention the Florists' Exchange when writing

40,000 COLEUS

VERSCHAFFELTII and other varieties, in 2½ inch pots.

$2.00 per 100; $20.00 per 1000.

ALEXANDER MEAD & SON,

349 Lake Ave., GREENWICH, CONN.

Mention the Florists' Exchange when writing.

PEPEROMIA MACULOSA—

In 3 in. pots, $4.00 per 100; in 2 in. pots, $3.00 per 100.

Bramble Rose, fine, large, pure white, profuse bloomer, clean foliage, 6 in. pots, $4.00 per doz.
Ginger Plant, Zanzibar Officinalis, 4 inch pots, strong, $15.00 per 100.
Cobæa Scandens, staked, 4 in. pots, $3.00 per 100.
Nasturtiums, 4 in. pots, $6 00 per 100.
Boston Fern, Nephrolepis Bostoniensis, in 6 inch pots, $6 00 per doz.
5000 Alyssum (Carpet of Snow), dwarf, much better bloomer than Little Gem, out of 3 in. pots, $2 50 per 100.
Crab Cactus, 3 in. pots, $4.00 per 100.
Phlox Drummondi, very dwarf, out of 3 in. pots, $2 50 per 100.
Centaurea Gymnocarpa, out of 2½ inch pots, $2.50 per 100.
Lace Fern, 3 in. pots, $6.00 per 100.
Variegated Stevia, out of 2 in. pots, $3.00 per 100,
Lizzie McGowan Carnation, out of 2 in. pots, clean and healthy, 75 cts. per 100.
Rooted Cuttings L. Canning, best late white Chrysanthemum, 75 cts per 100.
Smilax, from flats, strong, 40 cts. per 100.
White Hollyhock, young plants, 75 cts. per 100. Positively white only.
Heliotrope, dark purple, out of 3 in. pots, very strong, $3 50 per 100.
Nasturtium, out of 4 in. pots, $6 00 per 100
Single Petunia, mottled stripe, out of 3 in. pots, $3.00 per 100.
Umbrella Palms, out of 2 in. pots, strong, short and bushy, $3.00 per 100. Cash with order.

S. V. SMITH, 59 Goodman St. Rising Sun, **PHILA., PA.**

Mention the Florists' Exchange when writing.

YOU WILL NEED

GALAX LEAVES

FOR

DECORATION DAY

Write, Telegraph or Telephone.

Brilliant Bronze, $1.25 per 1000. Brilliant Green, $1.25 per 1000.

LEUCOTHOE SPRAYS
Bronze, $1.00 per 100; Green, $1.00 per 100.

PALM LEAVES
Fresh Green.....$2.00 per 100.

FANCY FERN, DAGGER FERN, Etc. At Market Prices.

HARRY A. BUNYARD, 42 West 28th Street, Telephone, 2065 Madison Square. **New York City.**

GALAX LEAVES

For latest prices green and bronze Galax Leaves and Leucothoe, address the introducer,

HARLAN P. KELSEY,
Tremont Bldg., **BOSTON, MASS.**

Mention the Florists' Exchange when writing.

MERCER FLORAL CO.

CARL E. TAUBE, Proprietor,
TRENTON, N. J.
Wholesale Florists.
CARNATIONS A SPECIALTY

Mention the Florists' Exchange when writing.

Galax Leaves

CHAS. H. RICKSECKER, Linville, N. C.

Mention the Florists' Exchange when writing.

NEW CROP FERNS

NOW READY

$1.25 per 1000 for No. 1 Stock.
LAURAL and PINE FESTOONING, LAURAL and PINE WREATHS,

Send in your orders for Decoration Day and be sure of your supply.

CROWL FERN CO., Millington, Mass.
Telegraph Office, New Salem, Mass.

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TELEPHONE, 108, SHORT HILLS

EMERSON C. McFADDEN
UNITED STATES EXOTIC NURSERIES
SHORT HILLS, N. J.

PALMS, FERNS AND ASPARAGUS

Mention the Florists' Exchange when writing



PALMS
AND OTHER
DECORATIVE PLANTS
At Greatly Reduced Prices.

Stock large and in fine condition.
Send for new Wholesale list.
Special prices on large orders.
Send in list of your wants.

W. J. HESSER,
Plattsmouth, Neb.

Mention the Florists' Exchange when writing.

BOSTON FERN—A Specialty

$5.00 per 100; $40.00 per 1000.

Large plants at from $20.00 to $50.00 per 100.

MME. SALLEROI GERANIUMS, COLEUS and ALTERNANTHERA.

L. H. FOSTER, 45 KING STREET, **Dorchester, Mass.**

Mention the Florists' Exchange when writing.



Send for Our List of

Kentias, Latanias, Ficus,

Asparagus, Dracænas, etc. Ask for our price list of **Perpetuated Palms.** Samples sent on request. Address

THE GEO. WITTBOLD CO., Chicago,
1708 N. Halsted Street.

Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.
1730 CAMBRIDGE ST.

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Finest Prepared

CYCAS LEAVES

Most Flexible.
Best Coloring and Finish.

Also Raw Cycas Leaves, pressed, ready for painting Good 36 inch leaves, $3.00 per 100; $25.00 per 1000.

FLORIDA NATURAL PRODUCTS CO.,
BOX 327, ORLANDO, FLA.

Mention the Florists' Exchange when writing.

DRACÆNA INDIVISA

Fine stock, 3 years old, out of 5 inch pots, very stocky, 2½ to 3 feet, $3.00 per dozen; 2 to 2½ feet, very stocky, $2.75 per dozen; $18.00 per 100. **Cash with order, please.**

Address all orders to

ROWEHL & GRANZ, Hicksville, L. I., N. Y.

Mention the Florists' Exchange when writing.

New Dagger Ferns

ARE NOW READY.

A No. 1 quality **$2.00 per 1000.** Order ahead for **Memorial Day,** and do not get disappointed,

FROM

Henry M. Robinson & Co.,
36 COURT SQUARE, BOSTON.

Mention the Florists' Exchange when writing.

PREPARED TROPICAL PALMS AND CYCAS LEAVES



Send for Catalogue.

OSTERTAG BROS., Florists,
Washington and Jefferson Aves., ST. LOUIS, MO.

Mention the Florists' Exchange when writing.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing.

WM. MURPHY,

Wholesale Carnation Grower.

Sta. F., CINCINNATI, O.

Mention the Florists' Exchange when writing.

Extra Strong Plants of

JOOST

FROM SOIL.

$15.00 and $20.00 per 1000, according to size.

Chicago Carnation Co., Joliet, Illinois.

Mention the Florists' Exchange when writing.

CARNATIONS

F. DORNER & SONS CO., LaFayette Ind.

ROBT. CRAIG & SON,

ROSES, PALMS, CROTONS,

...CARNATIONS...

and Novelties in Decorative Plants.

Market and 49th Sts., PHILADELPHIA, PA.

Pansies Worth Raising

Small plants all sold.

Now left but flowering plants from field, at $2 00 per 100, and up.

C. SOLTAU & CO., 199 Grant Avenue, Jersey City, N. J.



SPECIAL OFFER **PANSY PLANTS**

WE have about fifty thousand Pansy Plants in superb mixture, left out of a quarter million wintered over, and to close out before Decoration Day we offer them:—Five hundred (500) plants for $3.00; One thousand (1000) plants for $5.00; Five thousand (5000) plants for $22.50; Ten thousand (10,000) plants for $40.00, net cash. F. O. B., nursery; no charge for packing or boxes. These plants were wintered in open ground and are medium size and hardy. Every one is in bloom. The root development is simply wonderful and they will give much greater satisfaction than large frame plants that will be exhausted in a few weeks. **Clovenn Nurseries**, "Home of the Pansy," is headquarters for **Pansy Seed** and **Plants**. **We can grow your plants cheaper**, either from your own or our seed, than you can. Write for contract giving prices. Seeds and plants can be supplied the entire year. Address **New York Market Gardeners' Association, 39 Cortlandt St., P. O. Box 2341, New York.**

Mention the Florists' Exchange when writing.

Ottawa.

The weather for the past two weeks has been anything but favorable to gardening operations—cold, wet days, and frosty nights. The rain has made the planting out of carnations quite a difficulty. Some that were set out early had to stand 5 degrees of frost. The plant business is starting slow; pansies are selling at 40c., and good geraniums at $1.50 per dozen.

Cut flower trade continues good and stock plentiful, especially roses, which retail at from $1 to $1.50.

The Horticultural Society held its first monthly show last week, and a good exhibition of hyacinths, narcissus and tulips was made. E. I. Mepsted was appointed judge of plants and cut flowers for the season. The prizes were mostly shared between our two leading amateurs—Messrs. Ellis and Whyte, the first named getting the best of it. Professor McKeown gave a good talk on botany in relation to gardening.

D. Cooper, for some years with C. Serim, has left Ottawa to take a position with Mr. Dunlop, of Toronto. Our city is fast recovering from the fire, and in many respects parts of the city will be greatly improved in rebuilding.

E.

Bucksport, Me.

F. H. Moses has gone to Bar Harbor and is making preparations to open his flower store there.

PANSIES Second to none, $1.50 per 100. **Victoria Forget-me-nots**, ready for 4 in. pots, $4.00 per 100. **Asters**, in pots, $1.00 per 100. Victoria and Truffauts, mixed; Semple's, 5 colors; Giant Comet, 4 colors.

J. B. SHURTLEFF, Jr., Revere, Mass.

Mention the Florists' Exchange when writing.

PANSIES

Strong field-grown plants in bloom, good assortment, stong stocky plants.

$1.25 per 100; $10.00 per 1000.

CASH WITH ORDER.

CARL SWENSON, - Winsted, Conn.

Mention the Florists' Exchange when writing.

PANSIES AND DAISIES

Large plants in bud and bloom, $1.00 per 100; $8.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

PANSIES

The Jennings Strain.

Extra fine stocky plants from cold frames, in bud and bloom, **$1.50 per 100; $13.00 per 1000.** Second size, fine plants, in bloom, **$1.00 per 100.** Cash with order.

E. B. JENNINGS, Lock Box, 254. Southport, Conn

Grower of the finest Pansies.

Mention the Florists' Exchange when writing.

PANSIES **Funkia, Eulalia, Mist.**

See needs and exchange offer in previous issues. Good, strong, field-grown **Pansies**, in large variety, commenced flowering in September, per 1000, $12.00; in October, per 1000, $10.00; for May and June flowering, per 1000, $8.00. Strong seed bed Pansies, $3 50 per 1000. **Perennial Phlox**, mixed varieties, $3.00 per 100. **Mist**, $5.00 per 100. **Funkia Lancifolia**, $1.50 per 100. Cash With Order, Please.

W. C. JENNISON, Natick, Mass.

Mention the Florists' Exchange when writing.

ROSES FINE PLANTS, FROM 2½ INCH POTS, $2.50 per 100; $20.00 per 1000.

Golden Gate, La France, Bride, Muriel Graham, The Queen, Marie Lambert, Maman Cochet, Striped La France, Abel Chatenay, C. Soupert, Mosella, Marie van Houtte, Bridesmaid, Sylph, H. M. Stanley, Gen. Lee, Mrs. R. Garrett, A. S. Gray, Media, Mme. Berthol, Empress of China, Yellow Rambler, Mme. Elie Lambert.

GERANIUMS 25 varieties, double and single, our selection, $2.50 per 100; $20.00 per 1000. Ivy Geraniums, best double, $2.50 per 100.

CHRYSANTHEMUMS 2 inch, Fisher's Torch, Cullingfordi, J. C. Vaughan, Major Bonnaffon, Mrs. Perin, Glory of Pacific, Mrs. Whilldin, $2.00 per 100; $15.00 per 1000.

SWORD FERN, Cordata Compacta, 2½ inch, $4.00 per 100.

BABY PRIMROSE, 2½ inch, in bloom, $2.50 per 100.

ASPARAGUS SPRENGERI, 2½ in., $3.50 per 100; $30.00 per 1000.

JOHN A. DOYLE CO., Springfield, Ohio.

Mention the Florists' Exchange when writing.

Carnation Cuttings.

	Per 100	Per 1000
McGowan	$0.75	$5.00
Scott	1.00	7.50
Flora Hill	1.25	10.00

ROSE PLANTS.

From 2½ Inch Pots.

	Per 100	Per 1000
Meteor	$3.00	$25.00
Bridesmaid	3.00	25.00
Bride	3.00	25.00
La France	3.50	30.00

American Beauty Rose Bushes.

	Per 100	Per 1000
From benches	$2.50	$20.00

GEORGE REINBERG,

51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

ETHEL CROCKER

30,000 plants, from soil, for April and May delivery. Crocker has filled every claim made for it and is worth a trial by every grower who wants the best pink carnation in the market.

25 for $2.50; 100 for $10.00; 250 for $18.75; 1000 for $75.00.

PANSIES FREYA AND FAIRY QUEEN.

Two good bedding novelties. Transplanted seedlings at **$1.00 per 100.** A few of my regular strain. Write for prices.

DWARF PETUNIA.

Adonis, carmine, with pure white throat, And **Snowball**, a pure white. They are always in bloom and a good plant for retail.

25 of each for $1.00, or $2.00 per 100, from 2 inch pots.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

PHILADELPHIA ROSES KAISERNI

Strictly first-class stock out of 2½ inch pots.

MYERS & SAMTMAN, Chestnut Hill, PHILA.

Mention the Florists' Exchange when writing.

BRIDESMAID ROSE PLANTS!

I have still left a few thousand in 2 inch pots, in splendid condition.

STEPHEN MORTENSEN, (Near Phila.) Southampton, Penna.

Mention the Florists' Exchange when writing.

PERLE ROSES

2½ inch stock, $3.50 per 100; $30.00 per 1000.

A1 STOCK. BEST IN MARKET.

WIETOR BROS., 51 WABASH AVENUE, CHICAGO.

THREE HUNDRED THOUSAND **ROSES**

Fine, Young Plants from 2½ Inch Pots.

Following List, $2.25 per 100; $20.00 per 1000.

Marie Lambert	Purple China
Safrano	Mrs. De Graw
Marie Van Houtte	Clothilde Soupert
Christine de Noue	Lucullus
Andre Schwartz	Triumph Pernet Pere
Duchess Brabant	Etoil de Lyon
Princess Sagan	Empress of China
Coquette de Lyon	Golden Rambler
White Rambler	Lady Warrender
Marquis de Viviens	Louis de la Rive
Yellow Soupert	Tennessee Belle
Aggrippina	Yellow Rambler
Climbing White Pet	Media
Marie Guillot	La Pactole
Mme. Elie Lambert	Maman Cochet
Maman Cochet White	Vera de Flora
Marechal Niel	Seven Sisters
Reine M. Henriette	

Following List, $2.75 per 100; $25.00 per 1000.

Hermosa	Climbing Bridesmaid
Duchess of Albany	Climbing Meteor
Mme. F. Kruger	Bertha Clavel
Universal Favorite	Bridesmaid
Climbing M. Guillot	Rainbow
Climbing Wootton	Meteor
Crimson Rambler	Princess Bonnie

Following List, $3.00 per 100; $30.00 per 1000.

White La France	Climbing Kaiserin
Papa Gontier	Perle
La France	Sunset
Kaiserin	Pierre Guillot
President Carnot	Golden Gate

Following H. P. Roses at $4.00 per 100.

Mme. Plantier	Gloire Margottin
Alfred Rougemont	Coquette des Alpes
Mme. Chas. Wood	Clio
Paul Neyron	

Following Roses from 3½ in. pots, $4.00 per 100.

Bride	Empress of China
Marie Lambert	Yellow Rambler
Yellow Soupert	C. Soupert
Purple China	Tennessee Belle
Seven Sisters	Mrs. De Graw
President Carnot	

We also have a limited quantity of the following H. P.'s budded, from 6 in. pots, at $10.00 per 100.

Paul Neyron	General Jack
Ulrich Brunner	Mme. Chas. Wood
Mrs. John Laing	Magna Charta
Marshall P. Wilder	Diesbach
Prince C. de Rohan	

GRUSS AN TEPLITZ, $5 00 per 100.

CRIMSON RAMBLER, 2 year old, from 4 in. pots, $8.00 per 100.

MISCELLANEOUS STOCK.

HARDY PINKS Earle of Carlisle, Her Majesty, Laura Wilmer, Brunette, Alma, Fimbriata, Juliette, 2½ inch, $2.50 per 100; 3½ inch, $4.00 per 100.

MOON VINES White and Blue, $3.00 per 100. Pink Moon Vines, $3 00 per 100. Pink Moon Vines, 3 inch, $6.00 per 100.

GERANIUMS, 2½ inch, $3.00 per 100; 3½ inch, $4.00 per 100.

SCENTED GERANIUMS, Rose, Nutmeg, Balm, Lemon.

PETUNIAS, mixed, 3 inch, $4.00 per 100; 2½ inch, $2.50 per 100.

GERMAN IVY, $2.00 per 100.

STROBILANTHES DYERIANUS $2.50 per 100.

TROPÆOLUM PHOEBE (NASTURTIUM), $2.00 per 100.

HIBISCUS COOPERI, $3.00 per 100.

SANSEVIERA ZEYLANICA, $4.00 per 100.

HONEYSUCKLES, Hall's Japan and Golden Japan, $3.00 per 100.

SMILAX, $2.00 per 100.

VINCAS, $2.50 per 100.

ALTERNANTHERA, rooted cuttings, $1.00 per 100.

ABUTILONS, 3½ inch, $4.00 per 100 2½ inch, $2.50 per 100.

TERMS: CASH WITH ORDER.

THE NATIONAL PLANT CO., Dayton, Ohio.

Mention the Florists' Exchange when writing.

ROSE PLANTS

From 2½ inch pots.

	Per 100
Kaiserin	$3.00
Perle	3.00
Golden Gate	3 50

CARNATIONS

ROOTED CUTTINGS.

	Per 100	Per 1000
MRS. BRADT	$2.00	$15.00
America	2.00	15.00
Melba	2.00	15 00
Gov. Griggs	2.00	15.00
Leslie Paul	2.00	15.00
Gold Nugget	1.00	7.50
McGowan	.75	5.00
Wm. Scott	.75	5.00
Nivea	.75	5.00

PETER REINBERG

51 Wabash Ave.,

CHICAGO, ILL.

Mention the Florists' Exchange when writing.

IF YOU NEED ROSES
Send us your list for prices.

THE C. A. REESER CO.

URBANA, OHIO.

Wholesale Rose Growers.

ROSES

Extra Strong Stock, from 2½ in. pots.

Splendid Assortment of Hardy Sorts.

Send for Price List.

JACKSON & PERKINS CO., Newark, New York.

Mention the Florists' Exchange when writing.

ROSES

From 5 in. pots, 9c.

Fine, clean plants, Clothilde Soupert, Gen. Jacqueminot, La France, Malmaison, Coquette des Alps, Coquette des Blanches, etc.

LARGE FLOWERED CLEMATIS Finest Purple, White and Lavender sorts, extra strong, 3 year plants, at 33c.; fine, 2 year plants, from 5 in. pots, at 15c. Also some 1 year plants at moderate prices.

W. H. SALTER, Rochester, N. Y.

Strong Plants.

BRIDES and BRIDESMAIDS

2½ in. pots, $3.00 per 100; $30.00 per 1000.
3 in. pots, $6.00 per 100; $50.00 per 1000.
3½ and 4 in. pots, $7.00 per 100; $60.00 per 1000.

EDW. J. TAYLOR, Southport, Conn.

BRIDES AND 'MAIDS

2½ inch, ready for a 3 inch shift.

$3.00 a 100; $25.00 a 1000.

CASH WITH ORDER.

J. B. HEISS, The Exotic Nurseries, Dayton, Ohio.

YOUNG ROSE PLANTS

BRIDES, BRIDESMAIDS and PERLES,

From 2¼, 3, 3½ and 4 in. pots.

JOHN PRITCHARD, Newtonville, Mass.

Mention the Florists' Exchange when writing.

ROSES

3 and 3½ Inch Pots,

$5.00 per 100; $45.00 per 1000.

BRIDE and BRIDESMAID,

Extra Strong Plants.

RHODE ISLAND GREENHOUSES,
Pawtucket, R. I.

Mention the Florists' Exchange when writing.

Last Chance to Get Stock Cheap.

ROSES! ROSES!

We make the growing of Roses a specialty and carry an immense stock of them. Our aim is to give value for value.

The following varieties at $2.00 per 100 or $17 50 per 1000; 25 at 100 rates, 250 at 1000 rates; 30c. a doz.

Augusline Halem
Aline Sisley
Antoine Verdier
Adam
Anna Ollivier
Archduke Charles
America
Alister Stella Gray
Bertha Clavel
Bridesmaid
Bougere
Baltimore Belle
Bennett's Seedling
Caroline Marniesse
Christine de Noue
Climbing La France
Crown Princess Victoria
Clothilde Soupert
Catherine Mermet
Comtesse de Frigneuse
Cornelia Cook
Chas. Legrady
Claire Carnot
Coquette de Lyon
Comtesse Riza Du Parc
Duchess of Albany
Devoniensis
Dr. Grill
Duchess de Brabant
Empress Eugenie
Empress of China
Enchantress
Etoile de Lyon
Golden Gate
Genl. Tartas
Genl. Robert E. Lee
Golden Chain
Heury M. Stanley
Helen Cambier
Isabella Sprunt
Joseph Metral
Jules Finger
La France
Letty Coles
La Princesse Vera
Louise Phillippe
Louis Richard
Mme. de Watteville
Mme. Hoste
Mme. Lombard
Mme. Pernet Ducher
Mme. Welche
Mme. Abel de Chatney
Mme. Elie Lambert
Mme. Schwaller
Mme. Scipion Cochet
Mme. Caroline Kuster
Mme. Margottin
Mme. Pauline Laboute
Mme. Jure
Mme. de St. Joseph
Mdlle. C. Berthod
Mdlle. F. Kruger
Marie Van Houtte
Meteor
Media
Maman Cochet
Mrs. Robert Garrett
Muriel Graham
Marie Guillot
Maurice Rouvier
Marechal Robert
Monsieur Furtado
Marie Ducher
Mosella
Marechal Niel
Ophelia
Perle des Jardines
Princess Venosa
Pink Rambler
Queen's Scarlet
Reine Olga de Wurtenburg
Royal Cluster
Reine Marie Henrietta
Safrano
Souv. de Un Ami
Snowflake
Sombreuil
Souv. de la Malmaison
Souv. de Pres. Carnot
Souv. de Catherine Guillot
Souv. de Mme. E. Verdier
Striped La France
The Queen
The Bride
Triumph de Pernet Pere
Viscountess de Wautier
White Daily
White Rambler
White La France
W. A. Richardson
Yellow Rambler

NEWER ROSES.

	Doz.	100
Admiral Dewey	$1 50	
Balduin	1 00	$7 00
Bardou Job	60	4 00
Climbing Bridesmaid	75	4 00
Climbing Paul Neyron	60	4 00
Ferdinand Jamine	60	4 00
Helene, The New Rambler	60	4 00
Mrs. Robert Peary, or Climbing Kaiserine	60	4 00
Maid of Honor	60	4 00

Manda's Evergreen Memorial Roses.

	Doz.	100
Jersey Beauty	$0 75	$5 00
Evergreen Gem	75	5 00
Gardenia	75	5 00

Memorial, or Wichuraiana Roses.

Price 40 cts. per doz.; $2.50 per 100; $20 00 per 1000.

Manda's Triomph, Pink Roamer,
Universal Favorite, Mrs. Lovett,
South Orange Perfection, Rosa Wichuralana.

WE ALSO OFFER CHOICE STOCK OF THE FOLLOWING

LAST CALL

PLANTS

LAST CALL

All Plants are from 2½ inch pots, unless otherwise mentioned.

	Doz.	100
Abutilons, 6 leading sorts	$0 30	$2 00
Alonsia Citriodora, Lemon Verbena	25	1 50
Achania Malvaviscus	25	1 50
Apple Geranium	40	2 50
Ampelopsis Veitchii, Boston Ivy	40	2 50
Abelia Rupestris	40	
Agathæa Coelestis, the blue Maguerite	30	2 00
Ageratum, three kinds, Princess Pauline, blue, white and variegated	25	1 50
Asparagus Sprengerii	30	2 00
Anemone Whirlwind	30	2 00
Antigonon Leptopus, or Mountain Beauty	40	2 50
Araucaria Excelsa, five and six tiers, $1.00 each	9 00	
Alyssum, Sweet, double	25	2 00
Aspidistra Lurida	60	4 00
Acalypha Sanderii	75	
Amaryllis Equestre	75	5 00
Blue Spiræa (Caryopteris Mastacanthus)	40	2 50
Begonias, flowering, 8 best varieties	40	3 00
Cyperus Alternifolius, Umbrella Plant	25	1 50
Cestrum, night blooming Jasmine	25	2 00
Cryptomeria Japonica, Japan Cedar	40	2 50
Caladium Esculentum, fine bulbs	40	3 00
Carnations, leading sorts	30	2 00
Chrysanthemums, leading varieties	25	2 00
Cereus Grandiflora, the Queen of Night Cactus	30	2 00
Campylobotays Regia	40	2 50
Coleus, leading sorts	30	2 00
Camellias, 18 to 24 in. in height, well branched	50	5 00
" per 100, $40.00.		
Calla Ethiopica, fine bulbs	50	3 50
Calla Little Gem, blooms when 6 inches high	40	3 00
Carex Japonica Variegata	30	2 00
Cyclamen Giganteum	30	2 00
Crinum, milk and wine lily		75
Crotons, 10 leading sorts	40	2 50
Dracæna Indivisa	30	2 00
Ficus Elastica, India Rubber tree, 12 to 15 in. high	3 00	20 00
Fuchsias, all best vars., including double and single	25	1 50
Fern, Nephrolepis Cordata Compacta	40	2 50
Fern Nephrolepis Exaltata	40	2 50
Fern Nephrolepis Pectinata, dwarf sword fern	40	2 50
Fern Lygodium Scandens, climbing fern	40	3 00
Genista Canariensis	30	2 00
Grevillea Robusta	25	2 00
Hydrangeas, Otaksa, Hortensis, Monstrosa and Thomas Hoag	40	2 50
Honeysuckles, Chinese Evergreen, Red Coral, Halleana and Golden Leaved	30	2 00
		75
Helliborus, or Christmas Rose		
Hibiscus, 10 leading sorts, including Cooperii Tricolor	30	2 00

	Doz.	100
Ivy, German	$0 25	$1 50
Ivy, English	40	3 00
Impatiens Suliani	25	2 00
Jasmine Gracilimum	40	2 50
" Grandiflora	40	2 50
" Grand Duke	50	3 00
Justicia, two kinds	30	2 00
Latanias, leading sorts	30	2 00
" Weeping	25	1 50
Laurestinus	50	3 50
Lemon of Sicily	40	2 50
Linum Trigynum	30	2 00
Lily of the Valley Pips	20	1 25
Mairimony Vine	30	2 00
Meyenia Erecta, two kinds, white and blue	30	2 00
Mabernia Odoraia, Honey Bells	30	2 00
Myrtus Communis, sweet scented foliage	40	2 50
Nierembergia	25	2 00
Orange Otahelle	30	2 00
" 3 inch pots	50	4 00
Oleanders, double pink, yellow and white	50	4 00
Olea Fragrans	1 50	
Pomegranates	30	2 00
Primrose, Chinese	40	2 50
Primula Obconica	40	2 50
Primula Forbesii, Baby Primrose	30	2 00
Pittosporum Tobiva, 3 inch pots		75
Plumbago, Lady Larpent, hardy	40	2 50
" Sanguinea	40	2 50
Passiflora Constance Elliott, hardy	40	2 50
Phlox, hardy perennial, choice assortment	40	3 00
Palm, Latania Borbonica, 2½ inch	50	4 00
" Latania Borbonica, 3 inch, fine plants	1 00	8 00
" Phœnix Canariensis, 2½ inch	50	3 50
" Phœnix Reclinata, 3 inch	1 00	8 00
" Livistonia Rotundifolia, 3 inch	2 00	
" Areca Lutescens, 2½ inch pots	50	4 00
" Washingtonia Filifera, 2½ inch pots	25	1 50
" Rhyncospermum Jasmineodies	40	2 50
Rhododendron, two colors, crimson and pink 75 cents each	7 00	
	40	2 50
Russelia Juncea	25	1 50
Smilax	30	2 00
Stapelia	30	2 00
Swainsona, pink and white	30	2 00
Strobilanthes, or Royal Purple	30	2 00
Salvia Splendens	30	2 00
Sanseviera Zeylanica	30	2 00
Selaginella Emmeliana	30	2 00
Vinca Variegata	40	2 50
Violets, California, Hardy Russian and Lady Humes	30	2 00
Verbenas		

THE GOOD & REESE CO., Springfield, Ohio

Mention this paper. THE LARGEST ROSE GROWERS IN THE WORLD.

FOUNDED IN 1888.

FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.

To foreign countries in postal union $2.00. Payable in advance. The date on the address label indicates when subscription expires.

CHANGES OF ADDRESS.

When notifying the publishers to send the paper to a new address, give both old and new addresses.

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Copy must reach this office not later than Thursday in order to secure insertion in issue of the following Saturday.

Orders from unknown parties must be accompanied by cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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A Chance for the Young Man.

Publishers Florists' Exchange.

I was very pleased to hear I had been awarded first prize in your employes' contest, especially as it was my first writing for anything of that kind. I am sure it is a great credit to your paper in offering prizes to encourage us employes to think and write our experiences in different branches of the florist's trade. It impresses more fully on my mind that which I have always thought, that the FLORISTS' EXCHANGE is the most useful paper for information pertaining to the florist trade.

GEO. H. BOWDITCH.

Park Ridge, Ill.

The Massachusetts Horticultural Society will retain possession of their old building for a year longer, during which time it is expected that the erection of the new building on the site recently purchased, at the corner of Huntington and Massachusetts avenues, will be completed. The society purchased its present building in the year 1865, paying at that time $101,000 for the estate, and $145,889 to erect its building, and while the asking price, $700,000, was not quite realized at its sale, it is understood that a figure pretty close to this was paid for it.

Present Status of the Florist Industry.

Professor B. T. Galloway, Chief of the Division of Vegetable Pathology and Physiology of the Department of Agriculture, Washington, has prepared for the "Nineteenth Century Year Book" of the Department a most interesting article on the subject of "Progress of Commercial Growing of Plants under Glass." The article is really an epitome of the industry from earliest times up to the present day. We shall give other extracts therefrom in future issues. Meantime we present Professor Galloway's remarks on the present status of the business. He says:

THE MONEY INVESTED.

It is a difficult matter to reach even approximate conclusions as to the amount of capital invested in the work, the value of the products, etc. A careful investigation of the question has been made by means of a special circular of inquiry, and also through representative men in various parts of the country. More than 12,000 copies of the circular referred to were sent out, but for one reason or another the returns were not very satisfactory. From all the data at hand, however, we are led to believe that there are now in the United States not less than 10,000 commercial establishments devoted to growing plants under glass. Of this number, probably 1,000 are engaged exclusively, or nearly so, in the forcing of Winter vegetables, such as lettuce, cucumbers, tomatoes, and some minor crops. Within 15 miles of Boston there are probably not less than 40 acres of glass, or 1,742,400 square feet, devoted to vegetables alone. Two-thirds of this is in houses, the rest being in hotbeds and frames. Around Providence, R. I., there are probably not less than 10 acres of glass, while the amount devoted to vegetable growing about New York, Chicago, and other cities will bring the total up to 100 acres, or about 4,500,000 square feet. Including all equipments, such as boilers and other accessories used in connection with the industry, this glass represents an average value of not less than 50 cents per square foot, or $2,250,000 in all, and this will bring to the grower 50 cents per square foot annually, or $2,250,000 from the producers' standpoint. Nine-tenths of the products are sold at retail, either by the grower himself, or by the retailer, who may not be a grower. The valuation from this standpoint represents double what it is from the standpoint of the wholesaler, or $4,500,000 for forced vegetables.

Summarizing the forcing of vegetables under glass in the United States, therefore, we have the following:

Number of square feet devoted to the industry	4,500,000
Value of establishments	$2,250,000
Wholesale value of annual product	$2,250,000
Retail value of annual product	$4,500,000
Number of men employed	2,250

NUMBER OF ESTABLISHMENTS.

There are probably not less than 9,000 commercial florists' establishments in the United States. Some of these contain areas of glass which cover acres, while others contain only a few hundred square feet. Taking the country as a whole, it is estimated that there is an average of 2,500 square feet of glass for each establishment, or 22,500,000 square feet in all. New York has the largest number of establishments, there being not less than 1,100 or 1,200, with glass amounting to nearly 4,500,000 square feet; Illinois, with 600 to 800 establishments and over 4,250,000 square feet of glass, is second; while Pennsylvania, with 800 or 900 establishments and about 4,000,000 square feet of glass, is third. The estimated value of the establishments in this country, including houses, boilers, and all fixtures, is placed at 50 cents for each square foot of glass, or $11,250,000 in all. The income to the producer will average 50 cents per square foot annually, or $11,250,000, and double that amount when viewed from the standpoint of the retailer. Considering the matter from the retailer's standpoint, therefore, the total value of the annual output is $22,500,000, or $1 for each square foot of glass.

It is estimated that the retail value of cut flowers sold annually is $12,500,000, the estimated apportionment of this sum being, for

Roses	$6,000,000
Carnations	4,000,000
Violets	750,000
Chrysanthemums	500,000
Miscellaneous flowers, including lilies, etc	1,250,000

Estimating the average retail value of roses, carnations and violets at $6, $4 and $1 per 100, respectively, the total number of each sold annually, based on the above values, would be, of

Roses	100,000,000
Carnations	100,000,000
Violets	75,000,000
Total	275,000,000

The retail value of the plants sold is placed at $10,000,000. Taking the plant trade as a whole and the country in the aggregate, the average-sized pot used is estimated to be 3 inches, and the average retail price 10 cents per pot. This means that there are no less than 100,000,000 plants sold every year.

To handle this business in its entirety requires probably an average of not less than one man for every 1,500 square feet of glass, or 15,000 men in all. Fifteen hundred square feet of glass per man may seem like a low estimate, and such is the fact when considering commercial establishments of any size. The larger the area of glass, other things being equal, the more square feet one man can handle. As a matter of fact, some of the large rose growing establishments do not use more than one man for each 10,000 square feet. Large carnation establishments will run about the same as roses, while violets, owing to the great amount of work involved in cleaning the plants and picking the flowers, average higher. It is the many thousand small establishments that increase the amount of labor required.

SALES AT RETAIL.

In close touch with the commission houses and exchanges are the retail stores, which are by far the most important factors in connection with this business in the matter of handling and disposing of stock. The amount of flowers and plants handled by these establishments in some of the large cities is almost incredible. Undoubtedly the annual sales of some of the best establishments of this kind in New York City will not fall short of three or four hundred thousand dollars. The stores themselves are looked after with the greatest care, every attention being given to the satisfying of artistic desires on the part of the customers. As already pointed out, the successful men in this business are those having sufficient artistic ability not only to cater to the demands of the customers, but to create new fads. The arrangement and handling of the flowers, the boxes, ribbons, delivery wagons, messenger boys, and every detail must be of the most artistic kind in order to attract attention and draw trade.

A COMPARISON OF PRICES.

Through the trade journals growers, wholesalers and retailers are kept in close touch with each other. These journals are published weekly, and each has its staff of special correspondents, who watch the markets and call attention to every detail worth noting. A review of the market reports in them for the past ten years brings out some interesting points. For instance, by averaging their weekly quotations from January, 1890, to December, 1899, it is seen that while there has been an enormous increase in the production of cut flowers, prices have not decreased as much as would naturally be expected. The following table shows the average prices received for roses, carnations and violets in four of the principal markets during the period named:

Average wholesale price per 100 of roses, carnations and violets, from 1890 to 1899, inclusive, in the four principal cut flower markets.

Market.	Roses.*	Carnations.	Violets.
Chicago	$5.65	$1.63	$1.09
Boston	6.55	1.61	.84
Philadelphia	6.29	1.48	.87
New York	4.32	1.35	.89
General average	$5.70	$1.51	$0.92

* The American Beauty rose is excluded from this estimate on account of the high price it commands in comparison with other varieties.

It will be seen by this table that Chicago leads in the prices of carnations and violets, and that Boston stands at the head in the prices quoted on roses. The change in prices for the past ten years is shown in the following table, the averages being given for two periods of five years each:

Average wholesale price per 100 of roses, carnations and violets, in five-year periods, from 1890 to 1899, inclusive, in the four principal cut flower markets.

Flowers.	Chicago.	Boston.	Philadelphia.	New York.
Roses:				
1890–1894	$6.77	$7.11	$6.57	$5.10
1895–1899	4.52	6.00	6.01	3.56
Carnations:				
1890–1894	1.85	1.73	1.61	1.65
1895–1899	1.49	1.53	1.40	1.17
Violets:				
1890–1894	1.17	.93	.60	1.07
1895–1899	1.01	.74	.73	.71

The following table shows the percentage of decrease in prices during the past five years as compared with the previous five:

Percentage of decrease in wholesale prices of roses, carnations and violets, from 1895 to 1899, as compared with those received from 1890 to 1894.

Market.	Roses.	Carnations.	Violets.
	Per cent.	Per cent.	Per cent.
Chicago	33	19	9
Boston	16	12	20
Philadelphia	8	13	*22
New York	30	29	34

* Increase.

Viewing the work as a whole, and considering its marvelous development, it stands out as one of the most striking examples of the advance of wealth and culture. The increasing love for flowers denotes a growing refinement and a higher appreciation of all things artistic, which promises well both for the individual and the nation.

Directions for Making Surveys.

We publish this week, on page 548, in connection with the FLORISTS' EXCHANGE Commercial Home Grounds Competition, and by permission of Mr. Warren H. Manning, of Boston, who has compiled and copyrighted same, a chart of character drawings, with "Directions for Making Surveys," copies of which, printed on heavy paper, will be sent free, together with the cross-section drawing paper, to every competitor in the FLORISTS' EXCHANGE Contest, now under way. Subscribers who are interested in the betterment of their own home ground surroundings are cordially invited to compete. Full particulars will be mailed concerning terms, conditions, etc., on application to the publishers.

City Forester Gale, of Springfield, Mass., has lodged a complaint with the Mayor against the gas company for laying its pipes under trees. It is said that trees have been killed by gas poisoning in various parts of the city.

Post Check Currency.

THE FLORISTS' EXCHANGE has, oftener than once, called attention to the very pressing necessity of a cheaper and more convenient system of forwarding money by mail, in small amounts, than at present exists. All who have had to do with procuring a money order know full well the loss of time generally experienced in obtaining same, while its recipient, at the other end of the line, has nearly as much trouble in cashing same.

The McMillan-Lentz Post Check Bill, now before Congress, comes nearer to the ideal than any other suggested remedy which has been hitherto brought to our attention, and it deserves to be heartily indorsed by all our trade.

This bill has the merit of extreme simplicity; it will be the means of giving us also not only a fractional as well as the regular $1, $2 and $5 currency now in use, but a perennially clean paper money—a consummation to be truly thankful for.

The working of the proposed new system is herewith briefly described:

Two-thirds of all the post offices in the United States are not money-order offices. Such offices are among agricultural communities, where it is especially inconvenient for the citizens to secure safe money to send in the mail.

It is proposed to reprint all $1, $2 and $5 bills now in existence, and have their faces provided with blank spaces, in the style of a commercial check.

Each Treasury note, coin certificate, silver certificate or other form of currency of $1, $2 and $5 denomination, will be replaced with a post check note of like denomination, based on the same foundation, and existing under the same law as the note retired, thus in no way changing the present financial system of the Government.

This money, with the new face, will pass from hand to hand in the ordinary transactions of the day. Then when one wishes to send money in small amount, $2 for instance, by mail to subscribe for magazine or newspaper, pay a bill, or transact any of the multitudinous pieces of business necessary by letter, he will take a $2 bill from his pocketbook, write on its face the name of the person or firm to be sent to, the city and state, and affixing a two-cent postage stamp in the square indicated (one-cent stamp for the fractional bills), sign his initials in ink, with date; the initials and date to cross and cancel the stamp.

Thus the piece of currency which up to this time has passed from hand to hand as negotiable money, has been instantly transformed into a personal check on the United States Government for $2, as safe for transmission as any piece of exchange.

This is inclosed in a letter to the person or firm desired, and when received is deposited, with other checks, in the bank, or can be collected by the receiver upon identification at bank or post office.

The tedious and inconvenient trip to the post-office to secure a money order is done away with, and a convenient, safe and instantly available form of transmissible money is supplied, with which the American public can transact business by mail, which now aggregates, in the small sums represented by inclosed postage stamps, silver pieces, money orders, express orders and other inconvenient and sometimes unsafe mediums, upward of a billion dollars per year.

Congress has also been asked to authorize an issue of $50,000,000 in fractional bills of the post check form, in denominations of 5, 10, 15, 25 and 50 cents, in place of that amount of large notes now in circulation; this fractional currency to pass current from hand to hand when left with the blank spaces unfilled. These can be transformed into checks, payable to payee, and will require a one-cent postage stamp for the Goverament fee when so transformed.

The continual retirement and re-issue of post check bills will insure a clean and crisp paper currency, and remove the objection to the present money, from a sanitary point of view.

The ordinary sender of the post check money through the mail will not care to take the trouble to register his remittance, any more than he would make special registration of a check payable to order, for experience shows that on an average not one such check is lost in a year to houses receiving large quantities of checks daily! With money, silver coin, stamps, etc., it is different.

The cautious individual can have his post check money duly registered at the post office if he desires, and the amount repaid to him if it fails to reach destination. It is safe to say, however, that this excess of caution will rarely be employed.

It is requested by friends of this bill that all in favor of same write their Senators and Representatives at once.

New York.

Market Notes.

The tone of the cut flower trade has brightened up considerably since our last report, with good prospects of remaining so for some little time yet.

The supply for Decoration Day, as relates to greenhouse products, will no doubt be limited, though outdoor flowers will be in in their usual abundance.

Roses have fallen off in quantity almost suddenly and special grades may be mentioned as very scarce. In the early part of the week it was seen that special Beauty were on the decline, and $2 per dozen was asked for them; by Thursday morning for the very best the price had been advanced to $3 per dozen, and the supply was not sufficient to meet the demand. Bride and Bridesmaid show a fair sprinkling of mildew, and have to be sold cheap on that account. There is business enough to clear up the supply, and clean, good stock brings $6 per 100, with very little of it to be had. The very poorest quality realizes 50c., and when we compare this with the price obtaining last week, we note a good improvement, as at that time plenty of long-stemmed flowers were bringing a similar price. Kaiserin A. Victoria have begnn to arrive; they are of good quality, bringing from $8 to $10 per 100. Brunner and Jacq. are over for the present; their discontinuance was a great help to Beauty.

Frame valley is now the most plentiful of this bloom, and is selling fairly well. Indoor grown stock is only in limited supply, but owing to its extra length and size it is salable at $3 per 100, while the frame product brings from $1 to $2 per 100.

Sweet peas are only of moderate quality. Pæonies have not got very plentiful yet. A few iris are seen occasionally, but the demand for them is only light. Callas are rather scarce. Good lilies bring $6 per 100. Lilac has been unsatisfactory and is about over.

Auction Sales.

In Wm. Elliot & Sons' auction rooms large specimen kentias and bay trees have been a feature this week.

On Thursday and Friday there were auction sales of Japanese plants at 19 West 125th street.

Cleary & Co. had large crowds at the auction sales this week.

Jottings.

By a typographical error the call for the meeting of the Reception Committee of the Florists' Club was made to read Monday the 27th, instead of the 28th.

On Tuesday, while Samuel Henshaw, head gardener of Bronx Park Botanical Garden, was driving a spirited horse, the animal took fright and run away; Mr. Henshaw was thrown out of the buggy, suffering severe scalp wounds and had to be carried home. No serious results are expected form the accident however.

Senator Clark's daughter is to be married on Monday, the 28th, in St. Thomas' Church. The church decorations will be elaborate. Specianen palms, averaging 40 feet high, will be used; these will be made-up specimens and will be the work of S. J. Limprecht, who is a past master in that kind of work. The arches and columas will be covered with evergreens and flowers. Thorley has full charge of the church decoration. The home of the bride will be decorated by P. Bogart, Sixth avenue.

Sigmund Geller has got two spacious floors at 108 West 28th street. Fancy baskets of all descriptions are made a speciality by him. A full and complete line is carried and the newly acquired premises give ample room for displaying the goods. Mr. Geller imports direct from the makers on the other side of the Atlantic, and the newest and latest designs are always on hand. Wire frames and all trade requisites are also dealt in largely, and the move from Broome street (where he was located for several years) to the center of the cut flower district, is a good one, being convenient to all the flower buyers of the city.

Quite a number of the trade are expecting to visit the Paris Exposition this Summer, among them J. Fleischman, A. Warrendorf, H. Kuhn, and one of the Hanft Bros.

R. W. Cluess sailed for England last Saturday on the S. S. Etruria.

J. J. Van Waveren, representing L. Van Waveren & Co., Hillegon, Holland, sails for home June 2, per S.S. Potsdam.

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The Planting of Home Grounds.

At the last meeting of the Chicago Florists' Club, Mr. Walter Retzer delivered an address on this subject. He said in part, beauty, simplicity and harmony are the three principal objects to be sought after, and when they have been obtained you may depend upon it the effect will be pleasing to the eye. Beauty without simplicity would not be attractive. An object can be beautiful in itself, but when associated with others its beauty may be enhanced or deteriorated, depending upon the colors of the object placed in contact with it. How often do we see a beautiful bed of tulips, say the bright scarlet varieties, and in its immediate vicinity a glaring yellow, with no sort of introduction to each other. Each bed effective as it would be by itself loses over half of its beauty by coming in direct contact with the other. Again, take a specimen plant of any of our native trees and bring it in close contact with other trees, how much of the beauty is lost? How grand and majestic appear some of our native oaks, lindens and elms when standing alone, and how inferior do they appear when grouped with other trees of the same variety.

Simplicity without beauty would show a lack of taste. What can be more pleasing to the eye than to see Nature's beautiful colors all harmonizing, none more conspicuous than the other, and each showing itself to the best advantage.

Again we cannot omit harmony. It is most difficult to say which one of the three principles can be omitted in laying out the surroundings of a residence, without causing an eye-sore spot in the general view.

Follow the dictates of Nature wherever and whenever possible. Even in this a gardener may go to extremes who will try to make a house on a 25-foot lot appear as though it were situated in a forest of native shrubs and trees. We frequently see a little lot so completely filled with plants that not a square foot of lawn is to be seen, and where all colors, beautiful as they may be in themselves, become completely lost in the vast quantity of them.

Architecture and landscape gardening are two quite distinct arts, but where we have one, we frequently meet with the other. Perhaps that is the reason why you see so frequently the name of landscape architect. Architects they may be, but landscape gardeners, never! Alas, the architects who at the same time are landscape gardeners are very few. It will never do for an architect to ever try to practice his art on a bit of turf. His sharp and angular lines are just the ones we must avoid in landscaping. Nature's beautiful flowing curves are the most attractive. Avoid all sharpness in lines and angles. Have Nature's lines to all your beds.

In selecting your colors for a bed take only such as will harmonize. Never, under any circumstances, place two colors, both of which are primary, together. An example: Avoid planting red and yellow, or blue, in close proximity without the necessary relief between them. A pink color in the center of a bed bordered by a scarlet will be heightened, and the border's brightness reduced. Any of the colors which Nature has given us can be used to good advantage. One must know where and how to use them.

Pan-American News.

The past two weeks have brought about considerable changes in the landscape work of the grounds. Many hundreds of large trees, mostly maples, elms, poplars and horse chestnuts, have been brought to the grounds and planted. The lake connecting the canals is about completed, and the banks planted with a large assortment of shrubs. In the Music Garden have been planted several thousand hardy roses in masses of 500 of one variety. Two thousand of these are an exhibit by Messrs. Ellwanger & Barry, of Rochester, N. Y. With the careful planting they have received, and the heavy enriched loam they are in, they should make a splendid show in 1901. Mr. Rudolph Ulrich, the landscape gardener, is the busiest of men. The grounds surrounding the Service or Administration Building are seeded, sodded and planted, and have already a most finished appearance. Work is progressing rapidly on all the most important buildings.

WILLIAM SCOTT.

DIRECTIONS FOR MAKING SURVEYS.

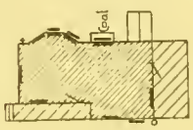
Copyright, 1900, by Warren H. Manning, Boston, Mass., and reproduced in the FLORISTS' EXCHANGE by courtesy of that gentleman.

The accompanying Cross Section paper, which should be attached by the corners to a board with tacks that can be pulled out, is divided into ⅛ inch squares, which will serve as a scale for lines drawn at right angles; at other angles the edge of a card, on which the scale is marked, can be used. Make free hand drawings first with a pencil; when correct, re-draw with black ink.

In locating the position of the principal buildings on paper be sure that sufficient room is provided to get in boundaries on all sides.

The Following Signs are Recommended:

BOUNDARIES.—If without fence or wall, ———— ; FENCE —·—·—·—·— ; WALL ═══



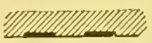
BUILDINGS are indicated by wall lines filled in with oblique parallel lines (cross hatching), and when there are piazzas or open sheds every other cross-hatch line is omitted.



DOORS and their manner of swinging.



STEPS.—Each space between lines representing a tread.



WINDOWS in first story.



BASEMENT OR CELLAR WINDOWS which may or may not be under a first-story window.



Incline for carts to cellars.



SILL COCK or outside hose faucets.

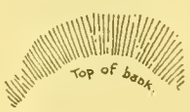
PRINCIPAL ROOMS of a house: "H," hall; "L," living room; "D," dining-room; "K," kitchen; "S," shed; "W. C.," water closet; in other buildings designate by words.





OUTLINE AREAS and use such terms as ledgy, rocky, swamp, good soil.

BANKS



BOULDERS and LEDGES



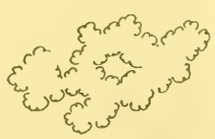
THE EDGES OF ROADS and walks by solid lines; indistinct paths and roads by dotted lines at edges; a rill by a single line; a stream or pond by a line showing each shore, the direction of the flow by an arrow; springs, wells, cisterns and cesspools by a circle O.

Indicate accurately located single plants by a dot at trunk, with a dotted line representing actual spread of branches.





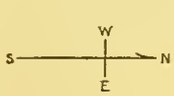
Indicates a hedge or close row.



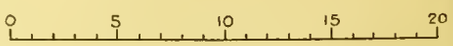
FOR PLANTATIONS use irregular lines, with the convex sides of the lines always toward the open ground or outside of the group.

Indicate by arrows and brief descriptive term the direction and character of outside views.

Points of the compass. You can locate the south point by pointing the hour hand of your watch to the sun. South will be one-half way between the hour hand and the Figure XII.



A foot rule is more accessible than an engineer's scale, so the scale ⅛ of an inch to the foot is recommended.



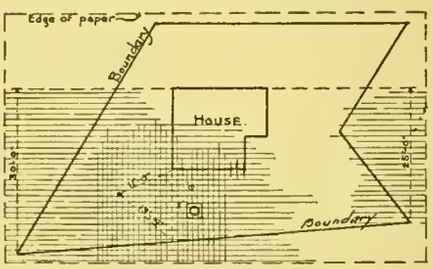
We show at the same time a scale of 1-20 of an inch to the foot.



It is convenient to mark these subdivisions on the edge of a stiff, thin card and use it as a scale.

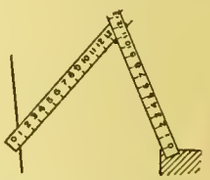
Use one prime mark to indicate feet, thus ('); use two prime marks to indicate inches, thus (").

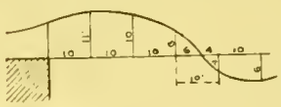
Sight along lines of the principal buildings, or extend through grounds by stakes at regular intervals to form base lines from which to locate other objects.



For example this sketch, 1-32 of an in. to foot. The cistern is 6' down the base line made by continuing the side line of the house, and three feet off from it at a right angle.

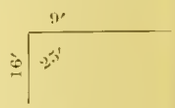
Measurements are easily located on the plan by the squares, or a point can be located by measurements from two points already located. It is convenient to use two scales in locating such measurements on the plan.



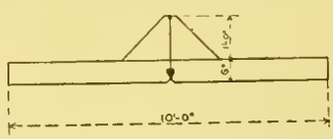


Locate curving lines by measuring at right angles from equidistant points on a straight base line, then draw in the curve by eye.

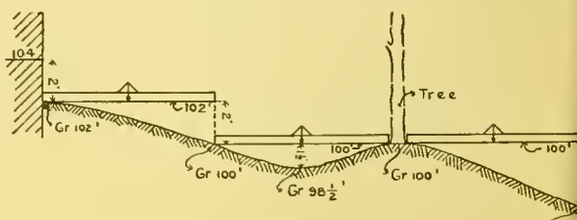
Check up angles by three measurements, a right angle measure being as follows: 16-9-25.



With a few principal points located on irregular areas, intervening lines can be sketched in.



Secure levels with a "slope rod" made of a light, stiff, straight-edged board, say 10 feet long and 6 inches wide, with a piece about a foot high attached to the center. On the exact center through this piece make a mark exactly at right angles with the bottom of the board. Attach a line to a nail at the top of this mark with a pointed flat weight hanging loose on the lower end of the string. When the point of this weight, hanging loose, coincides with the lower part of the mark, then the bottom of the board is level. By placing the end of the rod at a known elevation, the difference of the elevation at other points can be found by measuring. If the slope was down hill, the elevation would be taken at the forward end; if up hill, at the back end.



These directions, printed on heavy paper, will be sent free to contestants in the FLORISTS' EXCHANGE HOME GROUNDS COMPETITION, and to all others, at 15 cts. each, postpaid, on application to Warren H. Manning, Tremont Building, Boston, Mass.

BRIEFS FOR BUSY FLORISTS.

Decoration Day is close upon us, and as this is the one day in the year when rich and poor alike buy either a few flowers or a flowering plant, we should try to have something on hand that will suit the size of either a large or small pocketbook. To supply the cheaper trade we cannot do better than have a lot of pansies, alyssum, stocks, petunias, verbenas and such annuals as are in flower, potted up in 3-inch or 4-inch pots. These can be sold as single plants at a sufficient advance over what they can be sold by the dozen (as they usually are), to more than compensate for the labor of potting them, and the small cost of the pots used, besides making it possible for the very poorest of people to place a flowering plant upon the grave of their departed friends or relatives. Geraniums usually are in greatest demand at Decoration Day, and every plant that has a flower on will probably be disposed of. To avoid difficulties later all those intended for planting on the places of regular patrons, if they cannot be put out before Decoration Day, should be set aside, then there will be no danger of having to use inferior or smaller stock where only the best ought to be supplied. While on the subject of geraniums we would mention that that very dwarf variety Mars is proving a useful one where a real, free flowering, low growing kind is needed. It blooms profusely right through the season and does not attain more than a few inches in height; for massing where only a low effect is desired it is invaluable.

THE WORK OF PLANTING URNS AND VASES will be done to a great extent during the next few days, and, when filling them, the importance of having some choice plant or other for the center should not be lost sight of, as the beauty of the whole thing hinges thereon. For cheap work grevilleas do fairly well, but taken all round the dracænas are the best, and generally the most satisfactory. Where a light effect is needed D. Sanderiana can be used, and if the plants are not stocky enough two or more should be put together. If color is desired D. terminalis still heads the list. There are some showier kinds but none of them is so well adapted for outdoor work as this. Then there is D. indivisa, that looks well with all kinds of flowering plants, and can be used in the most exposed situations, as the foliage is not broad enough to be torn by any wind storm. To use palms as center plants is, in most cases, only a waste of material; they never blend with flowering plants as does a dracæna, and, excepting in very sheltered situations, the wind shakes them loose in the soil and they put on a yellow appearance before the Summer is half over. Rather than use palms for that purpose we would prefer cannas of a dwarf variety.

STOCK PLANTS of every description should be selected and planted in the garden before the selling season is over. Leaving this till the last, and then having only the culls to grow on for stock for another year, is an unsatisfactory method and should be avoided by planting now, when there is enough of all kinds to select from.

Work Around the N. Y. Cemeteries.

As Decoration Day approaches the work of planting beds and mounds in the cemeteries is being pushed with vigor. The taste for carpet bedding is becoming more emphasized each year, and this is a feature that will be welcomed by all plant growers who cater to the beautifying of the "silent cities."

John Condon, who has several extensive greenhouse establishments in the neighborhood of Greenwood Cemetery, has already planted over 50,000 pansies, the demand for Spring planting being much in excess of previous years. The planting for color effects is just about beginning, and a visit to the greenhouses reveals immense quantities of the necessary bedding stock. Of geraniums there are over 50,000, and the alternantheras number 150,000. Abutilon Savitzii has proven a good subject for either borders or center plants, and is grown in increasing numbers. Torenia Fourneri and T. Fourneri alba are much used for the edging of baskets and urns, as also is the gleehoma and the improved varieties of ivy-leaved geraniums. Shrubby calceolarias are also coming into vogue again; quite a large stock is on hand of the old yellow variety and there is a good demand for them.

The Roosevelt command of Spanish war veterans is having an immense panel of immortelles made to place over the graves of their comrades, whose remains were brought from Cuba and are resting in Greenwood. John H. Nugent, who is Mr. Condon's floral designer, showed us the plan of the panel, which will measure, when finished, 6 feet by 3½ feet. The Eagle and the Stars and Stripes are set in the center surrounded by the words "Roosevelt Command, Spanish War Veterans." The panel will be on view in a prominent store window in Brooklyn a few days previous to Decoration Day.

A. Wolmers has his houses and frames filled with choice plants, and finds business well up to the average of other years. The call for Spring bedding was satisfactory, and everything sold out well. Summer planting is now well under way and the stock to draw from is in the best possible condition. Fortunately a good stock of ivies is on hand, and owing to the scarcity of this material is bringing an advanced price over what has ruled for some seasons. Alternantheras and acalyphas are plunged in hotbeds; the sash, of course, is removed by this time, but they show the benefit of their treatment in their splendid coloring. In geraniums Snowflake is grown in great numbers, the pure white color of its flowers, together with its thrifty habit, makes it one of the most desirable sorts. For scarlet Mr. Wolmers sticks to a seedling of his own; it is unnamed, but is a splendid variety, its strongest features being its remarkable freeness in blooming and its medium low growing habit. Coleus, iresines, vincas and phlox are also grown extensively, and they are all looking in good order.

James Weir, Jr., & Sons have their store and conservatories on Fifth avenue, directly opposite the entrance to Greenwood Cemetery, with greenhouses but a short distance away. The conservatory is always kept filled with choice flowering and foliage plants, and a large cut flower business is maintained along with the planting of cemetery lots and caring for the same through the Summer. Pansies are now being lifted from the beds to be replaced by Summer bedding stock, which, by the way, is running more to dwarf or carpet bedding every year. A large force of men is continually employed for outdoor work, and as everything has to be planted before Decoration Day they are particularly rushed just now.

D. Y. Mellis is located close to the gates of Holy Cross Cemetery, having two stores but a short distance apart, and a range of greenhouses in the immediate neighborhood. Planting and caring for cemetery lots is a main feature of the business, though an extensive cut flower trade is also conducted. Last Summer a considerable piece of property was purchased and a line of nursery stock added, giving improved facilities for meeting the ever-increasing demand for evergreens and shrubs for cemetery work. We were sorry to find at the time of our visit that Mr. Mellis was very sick and unable to be out. Mrs. Mellis and daughters are in charge of the stores, and prove able managers.

James Shanley's greenhouses are situated on 25th street, just below the Fifth avenue entrance to Greenwood Cemetery. One new house was added last Fall, and as it was finished too late to install the heating apparatus, the house was planted entirely with pansies. Although far from the glass they did excellently and made fine large plants for early Spring sales. All are by this time disposed of, and proved a very profitable crop. In the remainder of the houses suitable stock for cemetery bedding is grown chiefly, those kinds raised in the largest numbers being alternanthera, coleus, Begonia Vernon, variegated stevia, mesembryanthemum and geraniums. Among the latter was a fine batch of Mars, this being considered for some kind of work the very best. A few well-shaped plants of Cryptomeria japonica were seen in one house. It is believed these can take the place of araucarias and are much quicker in growth, therefore not so costly.

There are also a few plants under special cultivation, for a customer that wanted the real thing, and had imported the seed himself from its native habitat. We can assert that the plants are in fine shape and will surely satisfy the most critical—they are specimen pot grown Scotch thistles.



Standing Wreath, Designed to Represent Human Existence from Infancy to the Autumn of Life.



(115) **Trouble with Rhododendrons.**—Please tell me what is the matter with my rhododendrons. I have several beds outdoors but they don't do as well as they should. They are in a half-shaded place. I placed leaf mould, rich compost and some sand in the beds. Some branches with buds dry off and some grow nice and bloom well.—M. K. E.

—Probably the ground is too rich. Soil suitable for rhododendrons is not a favorable harborage for worms. It should be from one to two feet deep, and consist largely of leaf soil and sand. As the plants are largely surface rooting, and the roots very fine, they will not stand drought. Give them a mulch of short grass, mixed with half-decayed leaves, keeping it on the ground all through the Summer, renewing it in the Spring each year. In dry weather water the plants thoroughly at least twice a week.—G.

(116) **Plant for Name.**—Otto E. Hansen.—The name of the flower is Bougainvillea Sanderiana. Perhaps it can be obtained from either Henry A. Dreer or Robt. Craig & Son, both of Philadelphia, Pa.

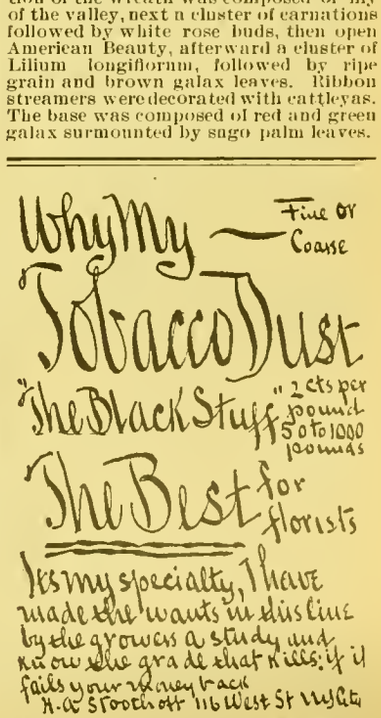
(117) **Pelargoniums as Pot Plants for Spring Sales, Geraniums, Stocks.**—As the best twelve pelargoniums for pot sales we would recommend Sandiford's Wonder, Sandiford's Surprise, Sandiford's Best, Victor, Mrs. Layal, Fimbriata alba, Mme. Thibaut, Dorothy, Mrs. Robert Sandiford, Captain Raikes, H. M. Stanley and The Bride.

Double white geraniums, Mme. Rozain and Mme. Buchner. Single white geraniums, L. Aube and Mrs. J. M. Gaar.

Brompton stock for Winter and Spring flowering should be sown the first week in July.

A Handsome Wreath.

Our illustration is reproduced from a photo of a large wreath arranged by order of General Congdon and others, connected with the Phoenix Silk Manufacturing Co., for the funeral of the late Mr. Albert Tilt, 5 East 67th street, which was constructed by Alex. McConnell, Fifth avenue, New York. The arrangement of the flowers was designed to represent human existence from infancy to the autumn of life; the lower right portion of the wreath was composed of lily of the valley, next a cluster of carnations followed by white rose buds, then open American Beauty, afterward a cluster of Lilium longiflorum, followed by ripe grain and brown galax leaves. Ribbon streamers were decorated with cattleyas. The base was composed of red and green galax surmounted by sago palm leaves.



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...Wholesale Prices of Cut Flowers...

	Names and Varieties	New York May 25, 1900	Boston May 24 1900	Philadelphia May 23, 1900	Baltimore May 22, 1900	Buffalo May 23, 1900
Roses	A. BEAUTY, fancy special	12.00 to 25.00	20.00 to 25.00	20.00 to 25.00	to	25.00 to 30.00
	" extra	8.00 to 10.00	12.50 to 16.0	15.00 to 20.00	20.00 to 25.00	15.00 to 20.00
	" No. 1	4.00 to 7.00	4.00 to 8.00	10.00 to 12.00	10.00 to 15.00	6.00 to 10.00
	" Culls & ordinary	.50 to 1.00	1.00 to 4.00	5.00 to 8.00	3.00 to 8.00	.... to ....
	Bride, Maid, fancy—spc'l	5.00 to 6.00	8.00 to 10.00	5.00 to 6.00	.... to	.... to ....
	" extra	3.00 to 4.00	4.00 to 6.00	5.00 to 6.00	3.00 to 5.00	6.00 to 8.00
	" No. 1	2.00 to 3.00	3.00 to 4.00	.... to	3.00 to 5.00	4.00 to 6.00
	" No. 2	.50 to 1.00	1.00 to 3.00	.... to	.... to	2.00 to 3.00
	K. A. Victoria	8.00 to 10.00	3.00 to 10.00	5.00 to 6.00	3.00 to 5.00	.... to ....
	La France	.... to	.... to	.... to	3.00 to 5.00	.... to ....
	Meteor	1.00 to 3.00	.... to	5.00 to 6.00	3.00 to 5.00	3.00 to 8.00
	Papa Gontier	.... to	1.00 to 3.00	.... to	.... to	.... to ....
	Perle	.50 to 2.00	1.00 to 4.00	4.00 to 5.00	2.00 to 3.00	2.00 to 4.00
	Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
	ORCHIDS—Cattleyas	25.00 to 35.00	.... to	35.00 to 50.00	.... to	.... to ....
	Cypripediums	.... to	.... to	.... to 25.00	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	.... to 25.00	.... to	.... to ....
Carnations	Inf'r grades, all colors	.50 to .75	1.00 to 1.50	.... to	.50 to .75	.50 to .75
	STANDARD VARIETIES White	.50 to 1.25	1.50 to 2.00	1.00 to 1.50	.75 to 1.00	1.00 to 1.50
	STANDARD VARIETIES Pink	.50 to 1.25	1.50 to 2.00	1.00 to 1.50	.75 to 1.00	1.00 to 1.50
	STANDARD VARIETIES Red	.50 to 1.25	1.10 to 1.25	1.00 to 1.50	.75 to 1.00	1.00 to 1.50
	STANDARD VARIETIES Yel.&Var.	.50 to 1.25	1.50 to 2.00	1.00 to 1.50	.75 to 1.00	.... to ....
	*FANCY— White	2.00 to 3.00	2.00 to 2.50	1.50 to 2.00	1.25 to 1.50	2.00 to 3.00
	*FANCY— Pink	2.00 to 3.00	.... to 2.00	1.50 to 2.00	1.25 to 1.50	2.00 to 3.00
	*FANCY— Red	2.00 to 3.00	.... to 2.50	1.50 to 2.00	1.25 to 1.50	2.00 to 3.00
	*FANCY— Yel.&Var.	2.00 to 3.00	.... to 2.00	1.50 to 2.00	1.50 to 2.00	.... to ....
	(*The highest grades of standard var) NOVELTIES	2.00 to 3.00	2.50 to 4.00	3.00 to 4.50	.... to	.... to ....
	ADIANTUM	.50 to .75	.... to .5	.... to 1.00	.... to 1.00	.75 to 1.25
	ASPARAGUS	35.00 to 50.00	.... to 50.00	40.00 to 50.00	25.00 to 75.00	50.00 to 60.00
	CALLAS	4.00 to 6.00	.... to	6.00 to 8.00	5.00 to 6.00	6.00 to 8.00
	DAISIES	.25 to .5	.... to	1.00 to 1.50	.... to .30	.... to ....
	HYACINTHS	.... to	.... to	.... to	.... to	.... to ....
	LILIES	5.00 to 6.00	4.00 to 6.00	6.00 to 8.00	6.00 to 8.00	.... to 8.00
	LILY OF THE VALLEY	1.00 to 2.00	1.00 to 2.0	3.00 to 4.00	.... to	.75 to 1.00
	MIGNONETTE—ordinary	.25 to 1.00	1.00 to 2.00	2.00 to 3.00	.50 to 1.00	1.00 to 2.00
	" fancy	1.00 to 2.00	.... to	.... to	.... to	2.00 to 3.00
	NARCISSUS	.15 to .50	.... to	.... to	.... to	.... to ....
	SMILAX	10.00 to 12.00	.... to	.... to 20.00	12.00 to 25.00	15.00 to 20.00
	SWEET PEAS	.25 to 1.00	.50 to 1.00	.25 to .60	.30 to .50	.25 to .60
	TULIPS	.... to .50	.... to	.... to	.... to	1.00 to 2.00
	VIOLETS	.... to	.... to	.... to	.... to	.... to ....
	VIOLETS, special	.... to	.... to	.... to	to	.... to ....

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	Names and Varieties	Chicago May 23, '00	St. Louis May 23 '00	Cincinnati May 22, '00	Milwaukee May 15 '00	Pittsburg May 22, '00	Toronto May 15, '00
	A. BEAUTY, fancy—special	18.00—20.00	30.00—35.00	....—25.00	....—25.00	20.00—25.00	25.00—30.00
Roses	" extra	12.00—15.00	20.00—25.00	....—15.00	12.00—15.00	15.00—18.00	....—25.00
	" No. 1	6.00— 8.00	10.00—15.00	....—10.00	8.00—10.00	10.00—12.00	....—20.00
	" Culls & ordinary	.50— 3.00	5.00— 8.00	....— 5.00	4.00— 6.00	3.00— 6.00	....—10.00
	Bride, Maid, fancy-spec'l	4.00— 5.00	3.00— 5.00	3.00— 4.00	4.00— 6.00	....	....—12.00
	" extra	2.00— 4.00	3.00— 5.00	3.00— 4.00	4.00— 6.00	2.00— 8.00	1.00—10.00
	" No. 1	.75— 1.00	....	....	.... 4.00	2.00— 8.00	....
	" No. 2	....	....	....	....— 2.00	2.00— 4.00	1.00— 6.00
	K. A. Victoria	4.00— 5.00	....	....	4.50— 6.00	2.00— 8.00	....
	La France	3.00— 4.00	....	....	....	....	....
	Meteor	2.00— 5.00	3.00— 5.00	2.00— 4.00	4.00— 6.00	2.00— 6.00	1.00—10.00
	Papa Gontier	....	....	....	....	....	....
	Perle	1.00— 3.00	2.00— 3.00	2.00— 3.00	3.00— 5.00	2.00— 4.00	1.00— 4.00
	Souv. de Wootton	....	....	....	....	....	1.00— 8.00
	ORCHIDS—Cattleyas	....	....	....	....	....	....—25.00
	Cypripediums	....	....	....	....	....	....—10.00
	Dendrobium formosum	....	....	....	....	....	....
Carnations	Inf'r grades, all colors	.50— .75	....— .75	....— .50	....	.50— .75	....— .75
	STANDARD VARIETIES White	1.00— 1.25	....— 1.00	.75— 1.50	1.00— 1.50	.75— 1.00	1.00— 2.00
	STANDARD VARIETIES Pink	1.00— 1.25	....— 1.00	.50— 1.50	1.00— 1.50	.75— 1.00	1.00— 2.00
	STANDARD VARIETIES Red	1.00— 1.50	....— 1.00	.50— 1.00	1.00— 1.50	.75— 1.00	1.00— 2.00
	STANDARD VARIETIES Yel.&Var	1.00— 1.25	....— 1.00	....	1.00— 1.50	.75— 1.00	1.00— 2.00
	*FANCY— White	1.50— 2.00	1.50— 2.00	1.50— 2.00	2.00— 3.00	1.50— 2.50	....— 3.00
	*FANCY— Pink	1.50— 2.00	1.50— 2.00	1.50— 2.00	2.00— 3.00	1.50— 2.50	....— 3.00
	*FANCY— Red	2.00— 3.00	1.50— 2.00	1.75— 2.00	2.00— 3.00	1.50— 2.50	....— 3.00
	*FANCY— Yel.&Var (*The highest grades of standard var)	1.50— 2.00	1.50— 2.00	....	2.00— 3.00	1.50— 2.50	....— 3.00
	NOVELTIES	....	....	....	....	....	....
	ADIANTUM	.75— 1.00	75— 1.00	....— 1.00	1.00— 1.50	.75— 1.00	....— .50
	ASPARAGUS	40.00—50.00	....—	....	....—60.00	35.00—50.00	....—50.00
	CALLAS	4.00— 8.00	5.00— 8.00	....—10.00	....— 8.00	8.00—10.00	4.00— 6.00
	DAISIES	.25— .50	.25— .35	....	.... .50	.50— 1.50	.25— 1.00
	HYACINTHS	....	....	....	....	....	2.00— 7.00
	LILIES	6.00— 8.00	....— 6.00	....—10.00	8.00—10.00	6.00—10.00	6.00— 6.00
	LILY OF THE VALLEY	3.00— 4.00	....— 2.00	3.00— 4.00	4.00— 5.00	2.00— 4.00	1.50— 3.00
	MIGNONETTE—ordinary	....	....	....	....— 3.00	.50— 1.00	1.00— 6.00
	" fancy	....	....	....	.... 4.00	1.50— 2.00	....
	NARCISSUS	....	....	....	....	....	....— 1.00
	SMILAX	12.00—15.00	12.50—15.00	....—15.00	....	12.50—15.00	....—15.00
	SWEET PEAS	.40— .50	....— .35	.50— 1.00	.75— 1.00	.25— .50	.75— 1.50
	TULIPS	....	....	....	2.00— 4.00	1.00— 1.50	.50— 2.00
	VIOLETS	....	....	....	....	....	....
	VIOLETS—special	....	....	....	....	....	....

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ASPARAGUS PLUMOSUS NANUS,
35 to 50c. per string.
Mention the Florists' Exchange when writing.

ALTERNANTHERAS!

P. Major and **A. Nana**, from 2 in. pots, at $2 25 per 100, and $20.00 per 1000. Cash, please.

H. STAHLHUT,

New Lots Road & Shepherd Ave., **Brooklyn, N.Y.**

Mention the Florists' Exchange when writing.

BEDDING PLANTS **Geraniums,** 4 inch pots, $6.00 per 100. **Petunias,** fringed varieties, 4 in , $5.00 per 100; 3 in., $3.00 per 100. **Artillery Plant,** 4 in., $5.00 per 100. **Vernon Begonias,** red and pink, 2¼ in., $2 00 per 100. **Coleus,** Golden Bedder and Verschaffeltii, 2¼ in. $2.00 per 100; in variety, 2¼ in., $1.75 per 100; rooted cuttings, 60 cts. per 100. **Alternanthera,** red and yellow, 2¼ in., $1.75 per 100. **Mammoth Verbena,** 3 in., $3.00 per 100. **Sweet Alyssum,** Little Gem, 2¼ in., $2.00 per 100. **Trailing Lobelia,** blue, 2 in., $1.20 per 100. Satisfaction guaranteed. Low express rates. **J. S. BLOOM, Riegelsville, Pa.**

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CALADIUMS

Started 5 inch pots, good stock, at **$5.00 per 100.**

	Per 100
Roses, Bridesmaid, 2 in	$2.50
Cobæa Scandens, 2½ in	2.00
Rudbeckia, Golden Glow, 2½ in	2.50
Abutilon, Souv. de Bonn, 3 in	4.00
Feverfew, Little Gem, 3 in	3.75
Daisy Miller, (Gym). 3 in	2 50
Verbenas (Mammoth), 2 in	1.50

Alternantheras—
A. Nana, rooted cuttings, strong, 1 per 100, 60c.; per 1000, $5 00.

Smilax—
Seedlings, per 100, 50c.; per 1000, $4.00

Tuberose Bulbs—
Excelsior Dwarf Pearl, A No. 1 stock, 75 cts. per 100; $5.00 per 1000.

Satisfaction Guaranteed. Cash with Order.

GEO. L. MILLER, Newark, Ohio.

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Can You Make Use of

	Per 100
Stocks, Double White, good value	$2 00
Mignonette Machet, strong, 2 in.	1 50
Solanum Capsicastrum, 2 in	1 50
Smilax, strong, 2 in	1 25
Browallia Speciosa Major, 2 in.	1 00
Carex var., strong, fine for vases, 2½ in.	3 00
Boston Ferns, fine young stock, 2½ in.	5 00
Ipomœa, Blue, strong plants, 2 in.	3 00
Ficus, Long Leaved, 3 to 4 shoots	20 00
Aspidistra, to grow on.....100 leaves	4 50
Asparagus Sprengeri, 2 in	2 00
Vinca, Trailing, strong, 4 in	8 00

A. G. FEHR, Belleville, Ill.

Mention the Florists' Exchange when writing.

GOOD STOCK

		Per 100
5000	**Geraniums,** our selection, 4 in	$8.00
4000	**Obconica Primula,** 4 in	6.00
5000	**Alternanthera,** large leaved, 2½ in.	2 00
1000	**Hydrangea, Dr. Hogg,** 5 in	15.00
1000	**True Maiden Hair Fern,** 2½ in	4.00
1000	**Salvias,** Clara Bedman, 2½ in	2 00
200	**Boston Ferns,** strong, 6 in	20.00
11000	**Asparagus Plumosus,** from flats	2.00
1000	" " from soil, 7 in	20 00
2000	**Petunias,** double mixed, 3 in	4.00
2000	**Mixed Geraniums,** 2¼ in	2.00
1000	**Hardy Grass Pinks,** pink bloom, clumps	3.00
1000	**Stock Plants, Flowering Begonias,** 6 in	10.00
2000	**Verbenas,** named, 2 in	1.00
10000	**Coleus,** named, 2 in	1.50
2000	**Iresines,** yellow, also red	1.50

THE MORRIS FLORAL CO., Morris, Ill.

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A Few Good Things You Want

Asparagus Sprengeri, 3 in., $8.00 per 100; **Rex Begonia,** 3 in., mixed, $6.00 per 100; 2½ in. $4.00 per 100. **Marguerite Daisy,** large flowering white, 2 in., $3.00 per 100. **Nephrolepis Cordata Compacta and Boston Fern,** 2 in., $4.00 a 100. **Kentia Belmoreana and Forsterlana,** 4 in., nice plants, 40c. each; 3 in., 20 cts. each.

GERANIUMS Bonnatt, Single and Double Grant, Rev. Atkinson, Mrs. E. G. Hill and S. A. Nutt, 3 in., $5.00 per 100.

DRACÆNA INDIVISA 3 in., $5.00 per 100.

ENGLISH IVY and **Ampelopsis Veitchii,** 2 in., $3.00 per 100.

CAMPBELL VIOLETS, Rooted runners, 50 cts. per 100.

COLEUS Rooted cuttings, 60c. per 100; 2 in., $2.00 per 100.

SALVIA **Clara Bedman,** best variety, 2 in., $2.00 per 100.

VINCA VAR. 2 in., $3.00 per 100; 3 in., $5.00 per 100.

AGERATUM Blue and white, 2 in., $2.00 per 100.

SMILAX 2 in., $2.00 per 100.

BRIDESMAID ROSE 3 in., $5.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

FOR SALE—KLONDIKE COSMOS

Fine, large, field-grown seedlings, $3.00 per 100.

Rudbeckia, GOLDEN GLOW, fine roots, $2 per 100.

Cash, please, or will exchange for Palms and other stuff.

WANTED, 50 to 100 Centaurea Margaritæ plants.

SEA SIDE GREENHOUSES, - Charleston, S. C.

Mention the Florists' Exchange when writing.

COLEUS C. Verschaffeltii, G. Bedder and Queen. $6.00 Select bright fancy, $5.00 a 1000.

New large-leaved vars., grand colors, $1.

Coronа, clear scarlet center, broad gold border, fine, 75 cts. a 100

Terms Cash. Extra plants to pay part expressage.

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VERBENAS GERANIUMS

The choicest varieties and healthiest plants grown. Strong plants, in bud and bloom. $2.50 per 100; $20 00 per 1000.

75 finest varieties in cultivation, grown in 3½ inch pots. Strong plants, in bud and bloom, $6 00 per 100.

J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

100,000 PLANTS EXTRA FINE STOCK.

	Per 100
Alternanthera, 2¼ in	$2.50
Anthemis (Dble. yellow Marguerite), 2¼ in	4.00
Anthemis (Dble. yellow Marguerite), 3 in	6.00
Begonia Rex, 2¼ in	4.00
" " 4 in	10.00
Coleus, 2¼ in	3.00
Cobæa Scandens, 2¼ in.	3.00
" " 3 in	5.00
Dracæna Indivisa, 3 in.	10.00
" " 3½ in.	15.00
" " 4 in.	25.00
" " 5 in.	$35.00 to 50.00
Fuchsias, 2¼ in	$4.00
" 3 in	6.00
Geraniums—	
Mars, 2 in	6.00
" 3 in	8.00
S. A. Nutt, 2¼ in	6.00
La Favorite, 3 in	6.00
Mme. Salleroi, 2 in	3.00
" " 2¼ in	4.00
" " 3 in	8.00
Ivy, 2¼ in	4.00
Lobella, 2¼ in	3.00
Maurandya Vine, 2¼ in.	3 00
Petunia, single, 2¼ in	3.00
" " 3 in	5 00
" double, 2¼ in	6.00
Petunia, double, 3 in	$8.00
Palm, Washingtonia Filifera, 2¼ in	4.00
Palm, Washingtonia Filifera, 3 in	6.00
Pansy Plants, bud and bloom	2.00
Pansy Plants, medium, $8.00 per 1000;	1.00
Salvia, 2¼ in	3 00
" 3½ in	6.00
Vinca, 2¼ in	3.00
" 3 in	6.00
" 3½ in	8.00
" 4 in	10.00
" 5 in	15.00

Terms, Cash or C. O. D. **GREENE & UNDERHILL, Watertown, N.Y.**

Mention the Florists' Exchange when writing.

XXX STOCK

VERBENAS, Mammoths, in bud and bloom, good per cent. of white, very fine, 3¼ in., $2.50 per 100.

LOBELIA, Emperor William, finest dwarf blue, in bloom, 2½ in., $2.00 per 100.

ALYSSUM, Pumilum Compactum, the very finest dwarf-grower, in bloom, 3 in., $2.00 per 100.

ACHYRANTHES, dark red foliage, very fine bedder, better than coleus, 3 in., $2.50 per 100.

PANSIES, large flowering, fine in bloom, $1.50 per 100.

Extras added liberally. Strictly cash prices.

The Home of Primroses, **JOHN F. RUPP, Shiremanstown, Pa.**

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BEDDING PLANTS



OVER 100,000 OF THEM!

Large Assortment, Suitable for Planting, at Remarkably Low Prices. Prices Rated Per 100.

THE FOLLOWING OUT OF 4 INCH POTS:

AGERATUM, blue $6.00
CALENDULAS (Prince of Orange) 5.00
CANDYTUFT, 3 in. and 4 in. pots 6.00
COBÆA SCANDENS, nice plants, 2½ in. pots 3.00
Fine plants, 4 inch, 3 feet high, 8.00
CYPERUS, 4 in., per doz. 1.00

DRACÆNA INDIVISA, 6 in. pots, each ..... 25c.
GERANIUMS, Le Pilote (double red), **Mme. Thibaut** (pink), and other good varieties, out of 4 inch, without bud, per 100, **$5.00**; in bud, per 100, $6.00 to $7.00
FUCHSIAS, 4 inch, showing buds ... 5.00
ROSE GERANIUMS 7.00
HELIOTROPE, 4 inch 6.00
MOON VINES (Ipomœa Noctiflors). Staked up, 4 in. pots 8.00
TEN-WEEKS STOCKS, Double only 6.00
SCARLET SAGE, 4 in 6.00
" " 3 in 5.00

THE FOLLOWING PLANTS FROM 2½ AND 3 INCH POTS:

ALTERNANTHERAS, red and yellow $3.00
ALYSSUM (Little Gem) 3.00
COLEUS (Best mixed colors), 3 in. pots 5.00
2 and 2½ in. pots 3.00
CUPHEA 4.00
I have an immense quantity of the finest **VERBENAS,** best varieties, in bud, at **$3.00** per 100.
PYRETHRUM PARTHENIUM (Golden Feverfew) 3.00
KENILWORTH and PARLOR IVY 3.00
PETUNIAS (single) 3.00
PHLOX DRUMMONDI 3.00
THUNBERGIA (Black-eyed Susan), 2½ in pots 3.00
3 in pots, staked up 5.00

In small plants we have also **Centaurea Gymnocarpa** (Dusty Miller), 2½ in. pots, **$3.00**; **Musk,** in bloom, 4 inch, **$7 00**; 2½ inch, **$3.00**; **Vinca Variegata** (Periwinkle), 3 inch, **$5.00**; **Lobella,** 2½ inch, **$3.00.**

HARDY CLEMATIS I have a fine stock of the best varieties and leading colors, such as: **Bangholme Belle,** pure white; **Duchess of Edinburg,** double white; **Lucie Lemoine,** white, rosette-shaped; **Fairy Queen,** pale flesh, pink bar; **Gypsy Queen,** rich dark velvety purple; **Jackmanni,** violet purple; **Anderson Henryi,** single white; **Boskoop Seedling,** large lavender; **Kermesina** and **Madame Louise,** and many others. Clematis, 3 years old. 35c. each; second size, 30c.; 2 years old, 25c. each. **HONEYSUCKLE,** 5½ inch pots, 20 cts.

HYDRANGEA PANICULATA, 6 inch, 20c. each. **ARISTROLOCHIA SIPHO** (Dutchman's Pipe), 7 inch pots, large plants, 6 to 6 feet high, 50c. each.

"We can highly recommend Godfrey Aschmann's plants. They always give us good satisfaction. HENRY F. MICHELL."
"May 2d, 1900."

All pots will be taken off unless mentioned that pots are wanted.

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IMPORTER AND WHOLESALE GROWER OF POT PLANTS.

Mention the Florists' Exchange when writing.

DOUBLE FRINGED PETUNIAS,

2 inch, per 100, $2.00.

Geraniums, mixed, strong, 2 in	per 100,	$2 50
Humulus Variegata, (Japan Hop) 2 in	"	2 00
Cobæa Scandens, 2 in	"	2.00
Selaginella Denticulata, 2 in	"	1 50

E. I. RAWLINGS, - Quakertown, Pa,

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Cheap, Good Stock

FOR CASH.

Imantophyllum Miniatum Fine large plants, 25 cts. each
Otaheite Orange 4 inch pots, 10 cts. each.
Rudbeckia, Golden, Hardy, $2.00 per 100.
Day Lily White, hardy, $5.00 per 100.
German Ivy (Senecio) R. C., $1.00 per 100; strong plants, $2.00 per 100.
Lobelia C. P., Gem and Trailing, $1.50 per 100.
Heliotrope R. C., $1.00 per 100; plants, $1.50 per 100.
Russelia Elegantissima Fine, 4 inch, in bloom, $1.00 per doz.
Verbenas Rooted Cuttings, 50 cts. per 100.
Solanum, Jas. Alba 4 inch pots, 60 cts. per doz. $4 00 per 100.
Umbrella Plants Very large, at 10 cts.

ORANGE FLORAL CO., West Orange, N. J.

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VERBENA KING.



Verbenas Rooted Cuttings **ALL SOLD.**

Only a few thousand left of 2 in., at $2 00 per 100; $18.00 per 1000.

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Carnations Strong, ready to set out in field:

	100	1000
Flora Hill	$1 00	$9.00
Wm. Scott	.80	7 00
L. McGowan	.80	7.00

FUCHSIAS, rooted cuttings, all named and good, $1.00 per 100.

PETUNIAS, the best, $1.00 per 100.

AGERATUMS, 50 cts. per 100.

HELIOTROPES, rooted cuttings, 10 best varieties, 80 cts. per 100; $9.00 per 1000; 2 in., $2 00 per 100; 4 in., very fine, at 80 cts. per doz.; $7 00 per 100.

COLEUS, 70 cts. per 100; $6.00 per 1000.

30,000 Violet, runners, California. $1.00 per 100; $8.00 per 1000.

20,000 Smilax, fine 2 inch plants, $1.25 per 100; $10.00 per 1000.

Express prepaid on all rooted cuttings, and sure to please you.

C. HUMFELD,
CLAY CENTER, KANSAS.

Mention the Florists' Exchange when writing.

FIRST-CLASS STOCK

	Doz.	100
Ageratum, Cope's Pet, 2½ in. pots	$0.50	$2.50
Begonias, assorted, 2½ in. pots.	.60	4.00
Coleus—		
Golden Bedder, 2½ in. pots	.50	2.00
Verschaffeltii, 2½ in. pots	.50	2.00
Dracæna Indivisa—		
4 in. pots, very strong	2.25	18 00
5 " " "	3.50	25.00
German Ivy, 2½ in. pots	.50	2.00
Hedera Helix (English Ivy), 2½ in. pots	.50	3.00
Lemon Verbena, 2½ in. pots.	.75	4.00
Maranta Bicolor, 2½ in. pots	.75	5.00
Salvia Spiendens, Bonfire, flats	.50	2.00
Swainsona Galegifolia Alba, 2½ in. pots	.60	4.00
Pandanus Veitchii—		
15 in. high, 6 in. pots	12.00	
Vinca, Variegated trailing, 2½ in. pots	.50	3.00
Vinca, Green trailing, 2½ in. pots	.50	3.00
Vinca, shrubby, 2½ in. pots	.75	4.00

N. B.—All orders amounting to $5 00 and over are forwarded F. O. B. New York City.

Orders from unknown correspondents are sent C. O. D.

SEAWANHAKA GREENHOUSES,
OYSTER BAY, L. I.

Lock Box 227. W. L. SWAN, Prop.

Mention the Florists' Exchange when writing.

Denver.

There is just enough going on to keep us busy—funeral work and light table decorations. They may not read well together but they get away with the flowers. Sweet peas have been very popular this Spring. The quality has been very fine, and although a great many have been grown none have found their way to the ash can. Pæonies are in over-supply. Some ranchman near here has evidently gone into growing pæonies, judging by the way they are coming in. Although Spring flowers are here in abundance yet the sale of roses, carnations, etc., has not greatly diminished, and prices have held up fairly well.

Carnation growers have had a busy week planting out young stock. Quite a few of them have gone into the new ones, particularly the Park Floral Co., they having ordered heavily of Lawson, Marquis, Olympia and Ethel Crocker.

Arnold Ringier, representing Barnard & Co., was a recent visitor. During his sojourn here we took him out for a little bowling on those easy alleys. He only tried two games and rolled 204 and 215. There were one or two others in the game, but Mr. Ringier was on top and refused to roll any more. He claims he can do as well at St. Louis. What have you got over there?

What's the matter with those Buffalo boys? Now Billy Kasting "has gone and done it." All gone now but one, and he did the next best thing, "jumped out," or he, too, might likewise have fallen a victim. Best wishes, Billy, from Buffalo boys in Denver, and may your only troubles be little ones.

DENVER.

Buffalo.

Though the apple trees are beautiful with bloom cool weather continues, and on most sides trade is inclined to slowness, there seeming to be nothing of note stirring. While amply plentiful, flowers are not seen in the quantities of a week ago. Roses show a warm weather growth of weakened quality and size.

On Wednesday of last week Wm. F. Kasting was married to Miss Laura LaTour. The affair was conducted most quiet and almost unknown to the craft. Only a brief bridal trip was indulged in, and William is back at work in Decoration Day trade preparations. Congratulations all aroond.

John Barclay, of New York, representing J. C. Vaughan, was a visitor on Tuesday.

VIDI.

Brooklyn, N. Y.

A. L. Miller, Jamaica avenue, has purchased a piece of property adjoining his premises to give him more space for the cultivation of herbnceous flowers. Business has been very heavy this Spring and indications point to a continuance of the same. In one of the greenhouses we noticed quite a large batch of that pretty flowering plant, Nierembergia gracilis. This is a most useful subject for boxes or vases.

In the cold frames are thousands of transplanted stock, all of which are being hardened off gradually; chief among them are alternanthera in variety, alyssum, dahlias, auriculas, petunias, asters and stocks; also several frames full of nice, clean young stock of hardy roses.

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Inodorous, not expensive. Full information, booklets, prices on request. Leading Eastern Dealers handle it. Eastern Chemical Co., Mfrs., 620 Atlantic Avenue, Boston, Mass.
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SEND FOR PRICE LIST.
Stock Cuts, 10c. per square inch. Engraving by all processes. Printing and lithographing.
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Exactly, but the commencement dates of the leading colleges in Souvenir shape with space reserved for adding local commencement dates and individual advertisement. A number of attractive styles at various prices.
Samples, six cents in stamps.
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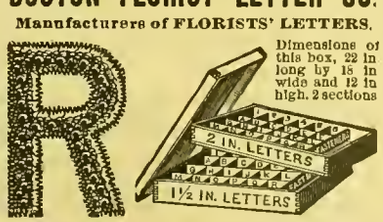

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This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1¼ or 2 inch size, per 100, $2.00.
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Fastener with each letter or word.
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applied in proper proportions with other agricultural chemicals. Insures vigorous and healthy growth of vines, develops the largest and finest clusters of highest market value. Write for Professor Wagner's "Experiment on Manuring the Grapes," to be had free by addressing John A. Myers, 12 F John St., New York. *Nitrate for sale by fertilizer dealers everywhere.*
Write at once for List of Dealers.
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PRICE, $38.00 per ton. Single Bags of 167 lbs., $3.50.
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Does not injure the most sensitive plants. Used for fumigation or spraying indoors or out. 200 pounds of tobacco in one pint of Nikoteen

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Vapor Insecticide
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1¾ in., per 1000	$2 40		3½ in., per 1000	$4 95	
2 in., "	2 75		4 in., "	6 20	
2½ in., "	3 35		5 in., "	10 80	
3 in., "	4 70		6 in., "	16 50	

Packages extra.

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Packed in small crates, easy to handle.

1500	2 in. pots	in crate,	$4.88	120	7 in. pots	in crate,	$4.20
1500	2½ "	"	5.25	60	8 "	"	3.00
1500	2¾ "	"	6.00	48	9 "	"	3.60
1000	3 "	"	5.00	48	10 "	"	4.80
800	3½ "	"	5.80	24	11 "	"	3.60
500	4 "	"	4.50	24	12 "	"	4.80
320	5 "	"	4.51	12	14 "	"	4.80
144	6 "	"	3.16	6	16 "	"	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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NO. CAMBRIDGE MASS.
L. I. CITY N.Y.
CATALOGUE FREE.

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Chicago.

State of Trade.

This week opened up affording some relief from the enormous quantity of stock thrown on the market after the hot spell. All agree no such gluts ever were known before at this season of the year. Most of the stock was disposed of at some price, often at a ridiculous one. But, then, retailers, even those on the outskirts, complain that drug stores, ice cream shops, and even bootblack parlors, to say nothing of more pretentious stores downtown pin on a boutonniere, give a bunch of flowers, and, some groceries, plants with small purchases. This would not happen but for very cheap prices.

There is also a complaint anent trade in general, supposed in part to be induced by the strikes in all building operations existing in this city for many months past. As we are nearing Decoration Day the chances are that we have seen the worst of the trouble, until after that date at any rate.

Roses have slackened up in supply very materially. Carnations are still very plentiful, and really good for the season. Paonies will interfere somewhat from now on with other stock, but so far they have moved very sluggishly. What few Drop whites are in are the only good sellers, at 75c. per dozen, other kinds bring from 50c. Sweet peas are abundant.

Hardy Ferns.

A very important factor in the flower trade to-day is hardy ferns. As the season for closing for the cold storage supply, and the first of the new crop is expected to arrive May 23, the quantity sold by the wholesale florists in this city for the past year can be figured out. My estimate, after diligent inquiry among the trade, is, that for the year ending June 1, 1900, the sales will reach between thirteen and fourteen million. This will include all that arrive in the green state and those cold storaged, also brackea from nearby. A large quantity is put in cold storage here in the Fall, the larger quantity, however, being shipped in both from the East and from Michigan. Ferns, as well as other greens, are used now by fruit men and others to a great extent, all the supplies coming from the florists. Many of the wholesale men the past month or so found it difficult to get all the ferns wanted. Two to three million was sold by each of several of the priacipal handlers. The price has lately ranged from $1.25 up to $2 per 1,000. As a rule stock has been good with an occasional mishap in the heating of shipments.

Club Meeting.

The club met on the 18th inst., President James Hartshorne in the chair, P. J. Hauswirth acting as secretary pro tem. An interesting paper was read by Walter Retzer on "The Planting of Home Grounds." It was accompanied with a number of plans illustrating his ideas, that may be considered as of the advanced order of natural arrangement, as against floral displays. In the discussion, however, the speaker said he was not averse to the use of parterres in their proper place. He also read a more lengthy paper on "Water Plant Gardening," in pretty full detail, including construction of ponds, planting and other interesting matter.

W. N. Rudd, on behalf of the Committee on Coal Purchase, asked that all growers send him the total tonnage of coal required by each, and the kind preferred. Forward a postal to Mt. Greenwood, Ill., with the information. G. L. Grant reported progress for Committee on Transportation to New York in August.

The committee is making very satisfactory progress, and an economical and enjoyable trip is assured. Florists in the West and Northwest will be invited to travel with the Chicago party and share the advantages obtained by the club.

Jottings.

J. J. Steinfield has opened up a neat retail store at Cottage Grove avenue and 31st street.

The glass men of Chicago are authority for the statement that more glass is being used in the environs of this city this year, in new greenhouses, than ever before in its history. We heard of another big addition coming, which will call for 70,000 feet more in three houses, each 30x600 feet.

Walter S. Heffron will leave E. C. Amling July 1.

Thomas J. Corbrey, on West Madison, has a fine new delivery wagon, which indicates progress. Ess.

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Hot Bed Sash. Red Cedar Posts.

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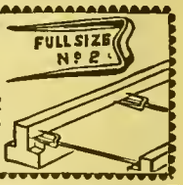

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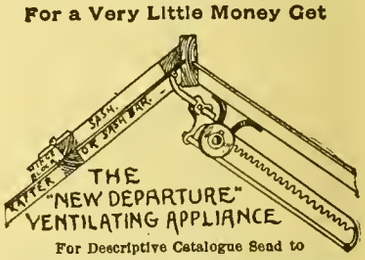

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Is specially constructed so that it will maintain a steady fire all night without attention, which is a very important item to be considered in selecting a greenhouse boiler.
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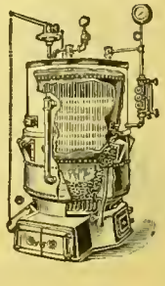
96 Liberty Street, New York. Mention this paper





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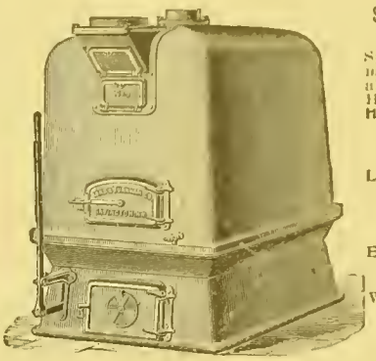

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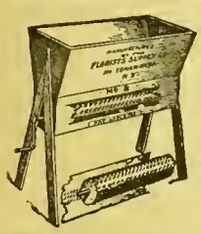

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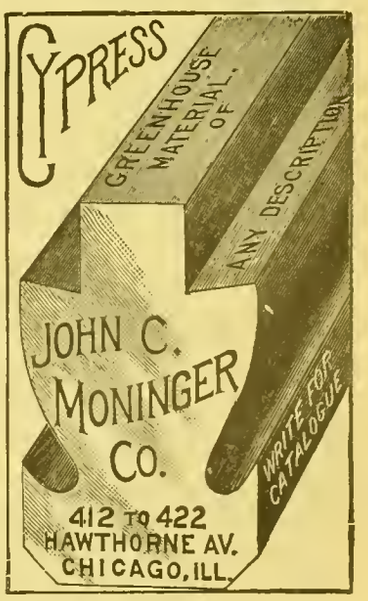

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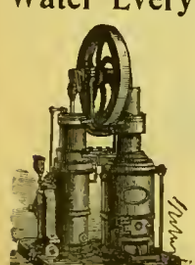



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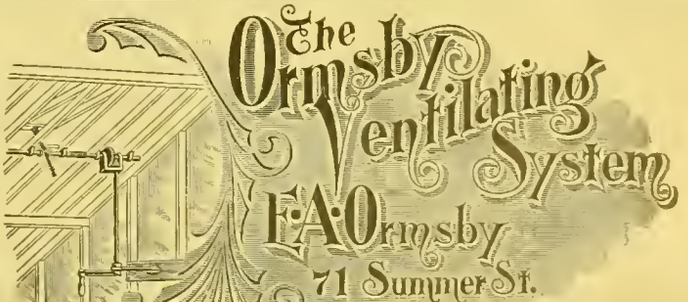

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4 inch pots..... $2.50 per doz; $20.00 per 100.
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Areca Lutescens, fine plants from $5.00 upwards.
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Phœnix reclinata, 4 in. pots, 25c. each, $20 per 100; 5 in. pots, 40c. each, $35.00 per 100; 6 in. pots, 60c. each, $55.00 per 100; 7 in. pots, $1.25 each.
Phœnix Canariensis, Rupicola and Reclinata, fine specimen plants, from $3.00 to $5.00 each.
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Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea.
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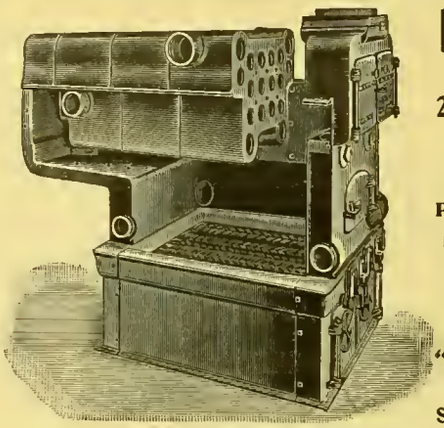

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KENTIA BELMOREANA	3 in. pot, 4 to 5 leaves,	10 to 12 in.,	$3.00 a doz.; $25 a 100
	4 " 5 to 6 "	15 to 18 "	6.00 " 50 "
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LATANIA BORBONICA	10 inch pots, 9 to 10 leaves, 30 to 36 inches high, 42 inches wide, $4.00 each.		

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Extra heavy plants,	9 "	3½ ft. "	2 00 each
Very large specimens,	10 in. pots,	4 ft. "	3 00 "

This is fine stock for large vases, and is the best plant that can be used for that purpose.

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Strong Started Pot-grown Plants.

We have a large lot of these with fine tops, grown in 5 in. and 6 in. pots, fine plants, ready for immediate effect. **$12.00 per 100.**

We have also a large stock of **Dormant Roots,** which we can supply as follows:—

Bulbs, 6-9 in. in circumference, $1 00 per 100.
" 9-12 " " 6 00 "

We also have a fine stock of large plants of

THE BOSTON FERN.

These are in the very best possible shape, and will be found exceedingly good value. This is one of the best selling plants for florists that there is. It makes a fine plant for summer decoration. We can supply as follows:—

Large plants, 10 in. pans.....$1.50 each.
Selected, heavier plants, 10 in. pans, 2.00 "

We also have to offer a large quantity of

NEPHROLEPIS CORDATA COMPACTA.

In medium sizes; can supply same as follows:—

Extra strong plants, 4 in. pots, $3.00 per doz.
" " 5 " 4 20 "
" " 6 " 6 00 "

We would also call attention to our stock of extra large

ARAUCARIA EXCELSA.

These are large plants for the money, and will be found to be exceedingly good value.

Large plants, 7 in. pots, 2½ ft. high, $2 50 each.
" 7 in. " 3 ft. " 3 00 "

PYRAMIDAL BOX.

Fine specimens, well trimmed, 3 to 4 ft. high, $2.00 each.

BAY TREES.

Pyramids and Standards.

Fine plants, about 3 ft. in diameter, 7 ft. high, $10.00 each.

PANDANUS VEITCHII.

Large specimens, 2 ft. high.....$2.00 each.
" " 2½ ft. " ..... 3.50 "

We also have a fine stock of Dormant Stems

CYCAS REVOLUTA.

These are medium sized stems, best size for florists' use, and will make fine stock for starting and growing on for plants for fall trade. We offer it as follows:—

In small quantities. .....$10.00 per 100 lbs.
In full case lots, about 300 lbs. to the case, 8 cts. per lb.

☞ Write us for special quotations on larger quantities.

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Strong, transplanted plants, from seed bed, sown last January—2, 3 and more growths, well-rooted and ready for 2½ inch pots.

50 cts. per dozen; $3.00 per 100; $25.00 per 1000.

FREE DELIVERY UNITED STATES AND CANADA.

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50 cts. per 100, $4 50 per 1000.

PRIMROSES, Giant Fringed, Finest English Strain Mixed, 75c. per trade pkt.; White, 75c. per trade pkt.

Crimson, Pink and Blue, separate, each. $1.00 per trade pkt.

CINERARIA GRANDIFLORA

Prize Strain, tall, $1.00 per trade packet. Prize Strain, dwarf, $1.00 per trade packet.

CALCEOLARIA HYBRIDA GRANDIFLORA

Spotted and mottled, mixed, $1.00 per trade pkt,

COCOS WEDDELIANA Fine, Strong Plants, in 3 inch pots, 15 inches high above pots, all ready to be potted on. Price, $2.00 per doz., $15.00 per 100

WE CAN MAKE YOU PRICES THAT ARE ATTRACTIVE

If you will send us your list of wants in

Roman Hyacinths, Narcissus Paper White Grandiflora, Japan Longiflorums, Dutch Bulbs, etc.

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... FOR ...

June Weddings

Cut Strings, 8 feet long, 50c.

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Now Ready.

G. H. CRANE THE BEST SCARLET CARNATION EVER INTRODUCED.

We have the finest and best selected stock of this Carnation in the country. We have 25,000 selected cuttings now ready, and can ship promptly on receipt of order.

Price, $6.00 per 100; $50.00 per 1000.

GENERAL MACEO THE BEST CRIMSON CARNATION.

Pure, Rich, Clear, Effective Color, the Best Keeper of all Crimsons. The Most Profuse Bloomer of all. Produces 25 per cent. More Flowers than any other Carnation we have ever grown. Sells Out Clean in Quantity. Is Liked by Everybody.

$6.00 per 100; $50.00 per 1000.

GENERAL GOMEZ Some growers who have not grown Maceo think this is the best of the two varieties. Our experience shows Maceo to be the most profitable of the two. Gomez has a longer stem, is lighter in color and sells at 20 per cent. higher price than Maceo.

If you are in doubt as to which to plant, buy an equal quantity of each variety. That will enable you to determine which is best suited for your requirements.

15,000 Cuttings ready, $5.00 per 100; $40.00 per 1000.

MRS. JAMES DEAN Clear, delicate, chaste, silvery-pink, largely grown as a standard light pink.

$3.00 per 100; $25.00 per 1000.

GERANIUMS

NOW READY. From 2 1-2 Inch Pots.

Mme. Barney, Countess de Castris, L. Kellway, S. A. Nutt, Mme. Jaulin, $3.50 per 100.

Alphonse Riccard, $4 50 per 100.

Mars, $5.00 per 100.

Surprise, Mme. Guevellet, J. J. Harrison, Griffith, Marquese de Montmort, $4.00 per 100.

John Doyle, $6.00 per 100.

Double H. Jacoby, $10.00 per 100.

IVY-LEAVED GERANIUMS. A Fine Collection, from 2 in. Pots.

THE COTTAGE GARDENS, Queens, N. Y.

Mention the Florists' Exchange when writing.

RUSTIC HANGING BASKETS



	Each	Dozen
Diameter of Bowl, 10 inches . .	$0 90	$10 00
Diameter of Bowl, 12 inches . . .	1 15	12 00

RUSTIC SETTEES

Made of Red Cedar, strong and ornamental, $7.00 each.

RUSTIC VASES

Red Cedar, $4.00 each. White Birch, $4.00 each.

BAMBOO CANES

6 to 8 feet long, can be cut to any desired length, $1.00 per 100; $6.00 per 1000.

Mention this paper. **WM. ELLIOTT & SONS, 54 and 56 Dey St., N. Y.**

TUBEROSES Dwarf Double Pearl. First size, 4½ to 6 inch bulbs, $1.00 per 100; $7.00 per 1000.

ASTER Semple's Branching. In white, pink, lavender, crimson and purple. Per ⅛ oz., 15c.; per oz., 75c.

PRIMULA SEED Chinese Fringed, Alba Magnifica, Cœrulea Blue, Chiswick Red, Coccinea Superba, crimson Giant Rose, Mageata Queen, Magnum Bonum, Village Maid, striped, per 100 seed, 25c.

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NOW Is the PROPER TIME TO SOW FOLLOWING SEEDS:

PRIMULA SEED EUROPEAN Prize Strains. Largest flowers, brilliant coloring. 100 1000

Very choicest mixed	20c.	$1.50
Kermesina Splendens, the richest red	20c.	1.50
Alba Magnifica, the very best white	20c.	1.50
Atrosanguinea, blood red	20c.	1.50
Cœrulea, beautiful "TRUE BLUE"	20c.	1.50
Double Primula, mixed	75c.	5.00

CINERARIA Giant Flowering, Choicest Mixed, medium tall, packet, about 500 seeds, 25c.; 5 pkts, $1.00

Cineraria Dwarf, extra giant flowering, pkt., about 500 sds., 25c. " 1.00

Calceolaria, Giant, per packet, 25 cts.

" Rugosa, shrubby, packet, 25 cts.

PANSIES Our Giant Exhibition Strains, in separate colors, 1000 seeds, 25c; 5000 seeds, $1. Trimardeau, Bugnot, Odier, Cassier, 1000 seeds, 25c.; 5000 seeds, $1.00.

SPECIAL NOTICE! To close out a consignment of BRAZILIAN PALM SEEDS, we offer ARECA LUTESCENS SEED, 50c. per 100; $4.00 per 1000; ASPARAGUS SPRENGERI SEED, 50c. per 100; $4.00 per 1000; ASPARAGUS PLUMOSUS NANUS SEED, $1.00 per 100; $8.00 per 1000. Send for our New List of all Forcing Bulbs. SWEET PEA SEED, to close out, any popular sort you want for 20c. a lb; $1.75 for 10 lbs. Address

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LILY OF THE VALLEY

"Conv. Maj. Prolificans."

To be sold per whole stock, partly or single crowns, actually in bloom at the Nursery, where it is on show. Dried sample flowers sent on application to

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VICK'S SEEDS

FOR FLORISTS.

All Home-Grown Seeds.

	¼ Oz.	Oz.
Aster, Vick's Daybreak, Pink	$1.50	$4.00
" " Purity, White	2.00	6.00
" Branching Comet, White	2.50	8.00
" Vick's Branching, in colors, White, Pink, Crimson and Purple, each	.25	.75

Trade List, also Garden and Floral Guide, now ready. Send for it.

JAMES VICK'S SONS, Rochester, N.Y.

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California Saved Palm Seeds, Etc.

FRESH ON HAND.	100	1000	5000
Phœnix Canariensis		$0.50	$2.00
" Reclinata	$0.25	2 00	8.75
Asparagus Sprengeri	.65	4.50	20 00
Bruhea filifera	per pound, 75c.		
" Edulis	"		75c.
Chamærops Excelsa	"		40c.

Coreopsis Lanceolata, per pound, $1.25

Australian Salt Bush (Atriplex Semibaccatum), per pound, 75c.; 50 lb. lots, 60c.; 100 lb. lots or over, 50c.

Now Booking Orders for

CALLAS AND FREESIAS.

Send for Quotations.

GERMAIN FRUIT CO., Los Angeles, Cal.

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PRIMULA

VAUGHAN'S INTERNATIONAL.

Best strain for florists, includes Giants, Fern Leaved, Blue, etc., besides best Reds, Pinks and Whites, pkt., 350 seeds, 50 cts.; 5 pkts., 1750 seeds, $2.25.

SEPARATE SHADES:

GIANT PINK, GIANT PURE WHITE, CHISWICK RED, SKY BLUE — Trade Packet, 50 Cents.

OBCONICA GRANDIFLORA, trade pkt., 25c.

CINERARIA.

VAUGHAN'S INTERNATIONAL. Choicest French, English and German strains, perfect in form and substance of flowers and habit of plants, trade pkt., 1000 seeds, 50c.

CALADIUM ESCULENTUM

Clean, sound bulbs, 5-7 in., $2.50; 7-9 in., $4.00; 9-12 in., $7.00. Lots of 250 at 10 per cent. lower.

Now Ready—Our Import Bulb List.

FREESIA, LILIUM HARRISII, ROMAN HYACINTHS, TULIPS, AZALEAS, ETC.

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Danish Cauliflower Seed

Early Dwarf Danish Snowstorm, selected up and grown by the leading specialist of Denmark. Always uniform; fine large white heads, early. No better seed offered at any price.

One Quality Only, The Best.

$2.50 Per Ounce. Per Ounce, $2.50.

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PHILADELPHIA

WHOLESALE PRICE LIST FOR FLORISTS AND MARKET GARDENERS

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COX SEED CO.

Wholesale Seedsmen

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NEW YORK. SAN FRANCISCO.

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NOW IS THE TIME TO BUY

Michell's European Prize Mixture of Choicest Chinese Primrose (Primula Sinensis Fimbriata.)

NEW SEED—$1.00 per trade packet; 60 cts. per ½ trade packet.

HENRY F. MICHELL

1018 Market St., Phila.

WHOLESALE PRICE LIST OF SEEDS, BULBS &c ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS

Mention the Florists' Exchange when writing.

$5 Makes You a Member of the SOCIETY OF AMERICAN FLORISTS

THE LARGEST ASSOCIATION OF EXPERT HORTICULTURISTS IN THE WORLD.

Supplies at wholesale rates through the Co-operative Purchase Department.

Free registration of new plant introductions.

Dues after first year..... $3.00 annually.

Life membership..... 30.00

Next Convention, New York City, August, 1900. Write to Secretary,

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DAFFODILS For Sale

150,000	Telamonius plenus	6s. per 1000.
50,000	" single (Spurius)	8s. "
100,000	Poeticus Ornatus	8s. "

Above have been greatly forced, will make grand stuff in two years.

COLLINS BROS., Hampton, Middlesex, ENGLAND.

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TUBEROSES

THE PEARL.

A1 Bulbs, $5.50 per 1000; 5000 at $25.00.

Free on cars, New York City.

No. 2, $3.00 per 1000. 500 at 1000 rate.

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SEED CASES and DRAWERS.

Send for Catalogue.

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SEEDS for Profit

FLORISTS' FLOWER SEEDS **Sweet Peas**

Wholesale Catalogue on application.

WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., New York City.

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IMPORTANT

Before ordering any goods anywhere send in **your list of wants** for lowest **GUARANTEED** prices.

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ROEMER'S SUPERB PRIZE PANSIES

The finest strain of Pansies in the World.

Introducer and Grower of all the leading Novelties

Highest Award, International Exhibition, Hamburg, 1897. Crtalogue free on application.

FRED. ROEMER, Seed Grower,

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CALADIUM ESCULENTUM

(Elephants Ear).

4-6 inches circumference	per 100,	$0.75
7-9 "	"	1.25
9-10 "	"	2.50
Tuberoses, Pearl, 4-6 inch	"	.50

H. G. FAUST & CO., 64 & 66 N. Front St. **PHILA., PA.**

R. VAN DER SCHOOT & SON,

Wholesale Bulb Growers,

HILLEGOM, - - HOLLAND.

Our bulb stocks, now covering an area of over 150 acres, are by far the largest in Holland.

Established 1830.

PALM SEEDS

FRESH ON HAND.

	100	1000	5000
Phœnix Teenie	$0.75	$5.00	$13.50
" Pumila	1.00	8.00	22.50
Pandanus Utilis	1.25	10.00	27.50
Asparagus Plum. Nanus, true	1.25	9.00	26.50
" Sprengeri	.75	6.50	18.00

J. L. SCHILLER, 404 E. 34th Street, New York.

Best Quality at Lowest Rates.

ROMAN HYACINTHS, NARCISSI, FREESIA,

and other French Bulbs for forcing.

BERNARD SON, 29 Boulevard du Musée Marseille, France.

Bulb Grower and Exporter.

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ESTABLISHED 1802

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FLORISTS ARE INVITED to send for our quotations on

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ROMAN HYACINTHS
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Etc., Etc.

We are large importers of High Class Bulbs

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XXX SEEDS

CINERARIA GRANDIFLORA NANA

The finest large-flowering dwarf varieties, very showy, in choicest mixture, 1000 seeds, 50 cts.

PRIMULA OBCONICA GRANDIFL. HYBRIDA

The very finest of the improved Obconicas; large-flowering and choice colors, truly grand, 1000 seeds, 50 cts.

PANSY—FINEST GIANTS

The finest large-flowering varieties to be had; best colors and strong growing, 3500 seeds, $1.00. A packet of the Grand New Forget-Me-Not "Triumph," added to every order.

The Home of Primroses, **JOHN F. RUPP,** Shiremanstown, Pa.

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Seasonable Seeds, Plants and Bulbs

TUBEROSES. No. 2, Double Pearl, fine bulbs, 30 cts. per 100; $2.50 per 1000.

CANNA—Robusta Perfecta. Fine large bulbs, 60 cts. per doz.; $4.00 per 100.

OXALIS. Summer flowering, 7 cts. per doz.; 15 cts. per 100; $1.00 per 1000.

BEGONIA—Rex Plants. Named sorts in 2½ inch pots, just ready for a shift, $5.00 per 100.

CALCEOLARIA. James' Giant, per packet, 25 cts.

MIGNONETTE. Allen's Defiance, large trade packet, 20 cts.; per oz., 75 cts.

PRIMULA. Johnson & Stokes, prize mixed, 25 cts. per 100 seeds.

PANSY. Johnson & Stokes' kingly collection, comprising Bugnots, Cassier, Trimardiau, etc., 1000 seeds, 25 cts.; per oz., $5.00

Write for quotations on Roman Hyacinths, Narcissus (Paper White) and Dutch Bulbs.

JOHNSON & STOKES, 217 and 219 Market Street, PHILA., PA.

Mention the Florists' Exchange when writing.



Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Chicago, Ill., President; ALBERT MCCULLOUGH, Cincinnati, First Vice-President; F. W. BOLGIANO, Washington, Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

Vitality and Purity of Seeds.

Editor Florists' Exchange.

Having read with much interest Mr. Burnet Landreth's letter to A. J. Pieters, Esq., on a question of vital importance not only to the seedsmen of our country but to the consumer as well, you will, I trust, pardon me for expressing a few thoughts that Mr. Landreth's letter has suggested.

In the first place there is a principle in plant reproduction that our Washington savants have entirely lost sight of, or have failed to appreciate, viz.: the plant's value is proportionate to the quality of the flowers, fruits or the vegetables produced, and it is almost invariably the case that these good qualities are increased just in proportion as the seed's vitality is decreased or impaired. To that end our best horticulturists, our market gardeners, do not think of sowing many kinds of seeds until they have lost much of what is known as the active principle of reproduction.

To be more explicit, let us state a few instances: Take the cabbage, the higher the development the weaker the seed vitality; where the cabbage is grown to the greatest perfection, so far as regards size and solidity of head, the seed is proportionately small and apparently shrunken. Where the heads grow loose, the seed product is invariably larger and of higher vitality. Our expert growers for the market usually keep their seed until its vitality becomes impaired by age, because such seed produces the largest and best heads. Such heads produce but little seeds, but that little is proportionately valuable. The seed grower could not use such seed; that is, old seed, as the crop would not be a paying one. On the other hand the type cannot be kept up to a high, or the highest, standard if the seed saved one year is sown the next.

The same is true with vine seeds; the lower the vitality the less will be the seed production, and the thicker will be the flesh. The English frame cucumbers are esteemed more valuable because of the entire absence of seed, which is the result of continued growth under unnatural conditions. To this cause is due the excellent quantities of many of our field and garden vegetables.

Time and space will not permit our taking up the question of science of plant physiology, which would make more clear the principles as stated, and what time we have must be given to another branch of Government work.

No one can carefully read the bulletins sent out by the Department of Agriculture during the past five years without being convinced that the writers regard the seedsmen of the world as a set of unmitigated cheats—a set of men whose only mission, only object in life, is to palm off on the innocent farmer and gardener seeds of questionable vitality and character, when the facts of the case are, there cannot be found in any mercantile pursuit a more intelligent, painstaking, hard working and upright class than the world's seedsmen. The nature of the business demands earnest thought constantly applied. Other merchants deal in products which speak for themselves. The seedsman must know what he offers for sale to be just what he represents it; to that end he seeks the most reliable growers in all parts of the world, places with them his contracts, then watches the plant's growth from start to finish. He knows just where to get seeds that will give the best results. He knows, too, full well, that the best appearing seeds do not always give the best results, and he smiles when he thinks of the doings at the fountain of agricultural intelligence.

Much has been said regarding the free seed distribution; much needs be said before this wanton, wicked waste can be stopped. What an anomaly. A Department throwing all manner of safeguards around an industry, in order that the consumers may be fully protected against the loss that would invariably occur from the use of poor seeds, then buying the poorest the world affords for their own distribution, claiming their work is in the interest of agriculture. What a farce! What a travesty!

The Department for the testing of seeds may be useful in its way. It is, but not sufficient to warrant its cost. Many tree and shrub seeds, many seeds of ornamental plants, if judged by their standards, would be declared worthless, while there are many forms that the florist would be more than satisfied with if they would test 25 per cent. in germination.

The question is often asked, "Is the Seed Department in all its branches as conducted at Washington of any benefit to the country." We are compelled to say "No," and that very emphatically. The Department was founded to introduce new industries, which was highly commendable, but it soon became a part of the machine, or a machine to grind out money for those in control. Now the Department is not half as active in building up new industries as it is in destroying old ones. The number of packets of seeds sent out free would cost the consumers about $1,000,000, fully 75 per cent. of which would be paid out by the dealers scattered all over the country for labor, which would be so distributed that each merchant could keep his force steadily employed. While this would greatly benefit both the seedsman and his employes, it would also benefit those who get their seeds for nothing, inasmuch as the seed they would buy would be far more valuable, so that the small expenditure for seeds would be a profitable investment.

To the credit of the present Secretary of Agriculture, as well as to the two that preceded him, it may be said he is not in favor of this wicked waste, being powerless in the hands of those who misrepresent their constituencies.

C. L. ALLEN.

Floral Park, N. Y.

European Notes.

Western Europe is basking in bright sunshine, but the winds are keen and dry and the nights continue cold. In Eastern Europe severe frosts and heavy falls of snow are the order of the day.

On the day that we learned by cable of the excessive heat on your side the seed growers at Quedlinburg, Germany, had one-fifth of an inch of ice on their ponds. Further south, in Austria, the cold was even more severe, and the damage to vegetation of all kinds is simply enormous.

As usual, the northeasterly winds have brought myriads of destructive insects to feed upon the tender plants and the young shoots of our cabbages, so that matters with us are going from bad to worse.

In both the south and west of France the lack of rain is doing very great mischief. Much of the radish has yet to be transplanted, and the seed beds are looking almost worthless.

The oldest inhabitant does not remember such an unfavorable time, and, so far, we can see, there is no prospect of any immediate improvement. As a result, prices are rising all round, and the upward tendency is bound to continue.

This will not only affect the values of the coming harvest but also contract prices for next year's delivery.

EUROPEAN SEEDS.

Detroit, Mich.—The H. N. Hammond seed house, at Fifield, was destroyed by fire, May 20. The loss will reach $32,000.

Portland, Mich.—W. Taat, representing M. Van Waveren, Hillegom, Holland, was a caller Saturday last.

ROSES FOR SALE

The following varieties, from 2 inch pots, $3.00 per 100.
Varieties marked * also in 3 and 4 inch pots, $8.00 per 100.

Champion of the World,
*Snowflake,
*The Bride,
*Meteor,
*Souv. du Pres. Carnot,
Catherine Mermet,
*Maman Cochet,
*White La France,
*Mme. F. Kruger,
*Climbing Meteor,
*Mme. Schwaller.
*Countess Riza du Parc,
*Duchess de Brabant,
*Pink Soupert,
*George Pernet,
*Highland Mary,
*Hallowe'en,
*Marechal Niel,
*The Queen,
*Marie Guillot,
*Gen. Rob't E. Lee.
Henry M. Stanley,
*Yellow Soupert,
*Niphetos,
*Priscilla,
*Bridesmaid,
*Souv. Jeanne Cabaud,
Mrs. DeGraw,
*Bon Silene,
*Pink Daily,
*Mad. Abel Chatenay,

The Following Varieties, from 2 inch Pots, $4.00 per 100:

2000 Hallowe'en, 600 Marechal Neil, 1400 White Maman Cochet, 175 Mad. Helen Cambier.

	Per 100		Per 100
Am. Beauty, grafted, 4 in. pots	$15.00	Kaiserin Augusta Victoria, 2 inch pots	$5.00
" " " own roots, 3 in. pots	10.00	Climb. Kaiserin Aug. Vic., 3 in. pots	10.00
Kaiserin Augusta Victoria, 3 inch pots	10.00	" " " " 2 in. pots	5.00

CHOICE GERANIUMS

In variety, 3 and 4 inch pots, $6.00 per 100.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Mention the Florists' Exchange when writing.

CALIFORNIAN SEEDS

Contract Prices for 1900 Harvest on Application.

WHOLESALE ONLY.

PERRY WATSON & CO.,
SACRAMENTO, CAL.

Mention the Florists' Exchange when writing.

CLEARY & CO.,

Horticultural Auctioneers,
Sales Every Tuesday and Friday,
60 Vesey St., NEW YORK.

Mention the Florists' Exchange when writing.

SMILAX

From flats, by mail, 50 cts. per 100; $4.00 per 1000. From 2 in. pots, $1.50 per 100; $13.00 per 1000.
HYDRANGEA, 5 in. pots, $3.00 per doz; 4 in. pots, $2.00 per doz; Rooted Cuttings, $1.25 a 100; $10 a 1000.
LARGE-FLOWERING CANNA ROOTS, $1.00 per 100.
Cash with the order. Send for samples.

FRED BOERNER, Cape May City, N. J.

Mention the Florists' Exchange when writing.

Smilax Plants.

Extra Strong Plants out of 2½-inch pots, $2.50 per 100. Cash with order.

WILLIAM SCHWEINFURTH,
Ridgewood, N. J.

Mention the Florists' Exchange when writing.

AN EXTRA FINE LOT OF

CALIFORNIA GIANTS.

From 3 in. pots, in bloom, at $3.50 per 100.

FINE FRENCH CANNAS, Bouvier, Florence Vaughan, Philadelphia, Glorious, from 4 and 5½ in. pots, at $8.00 per 100. Will Exchange for good Geraniums and Coleus to seperate colors.

D. B. Edwards, Floral Hall, Atlantic City, N. J.

Mention the Florists' Exchange when writing.

200,000 Aster Plants

Strong, stocky plants, ready to plant out, Queen of the Market, Truffaut's Perfection, Comet, Victoria, and Semple's Branching, Semple's in mixed and separate colors; seed saved from the largest and most double flowers only, 50c. per 100, by mail, $1.50 per 500; $2.50 per 1000, by express.

GUSTAV PITZONKA, Bristol, Pa.

Mention the Florists' Exchange when writing.

Vegetable Plants—Cabbage and Tomato Plants, best leading varieties, fine plants ready to plant out, $1 per 1000; $8 per 10,000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

VEGETABLE PLANTS

Fine, large stocky plants plants, ready to plant out.

Egg Plants, New York Improved.
Peppers, Bull Nose.
Tomato, Stone Improved.
Cauliflower, Early Snowball.

All at **$2.00** per 1000. 500 at 1000 rate.

GUSTAV PITZONKA, - Bristol, Pa.

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CABBAGE. CABBAGE

H. Succession, Early and Late Flat Dutch, Drumhead, Savoy and other varieties, field-grown plants, 15 cts. per 100; $1.00 per 1000; $8.50 per 10,000.

CELERY White Plume, Golden Self Blanching, Giant Pascal, New Rose and other varieties; 10 acres will soon be ready, 15 cts. per 100; $1.00 per 1000; $8.50 per 10,000. (Large enough now for transplanting at 75 cts. per 1000.)

TOMATO Stone, Paragon, Royal Red and other varieties, field-grown, 15 cts. per 100; $1.00 per 1000; $8.50 per 10,000.

Any of the above plants by mail, add 10 cts. per 100. Cash with order.

R. VINCENT JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

SMILAX

From Pots. Ready Now.

$1.50 per 100; $15.00 per 1000.

ASPARAGUS PLUMOSUS

From 3 in. Pots. Ready July 15.

$6.00 per 100; $50.00 per 1000.

You will make no mistake in sending me your order. This stock is of the same high quality as that furnished last season. Samples furnished to new customers if desired.

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EVERGREENS.

Black Hills Spruce, 3-4 ft., transplanted, $3.50
" " " 4-6 ft., " 1 00

English Yew, Hemlock, Koster's Blue Spruce and other choice varieties in FINE SPECIMENS.

CLEMATIS PANICULATA, JACKMANNI, ETC., STANDARD HYDRANGEAS, STANDARD ROSES, PYRAMID BOX, RHODODENDRONS, AZALEAS.

HIRAM T. JONES,

Union County Nurseries, ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

CLEMATIS PANICULATA

Strong plants from soil, $2.00 per 100, post paid.

Hardy Pinks Young plants; 5 sorts, as follows: Alba Fimbriata, May, Laura Wilmer, Earl of Carlisle and Brunette, 60c per 100, post paid; $5 00 per 10.0, express.

Madeira Vine Roots 50c. per 100; $4.00 per 1000.

SATISFACTION GUARANTEED.

A. B. DAVIS & SON, Purcellville, Va.

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CLEMATIS.

Large flowering, in 20 splendid kinds, from pots, outdoors, sure to grow, 25c. each; $2.50 per doz. Strong young plants of above, unrivaled collection, $1.00 per doz; $8.00 per 100, free by mail or express.

CLEMATIS PANICULATA, fine young plants, 25c. per doz.; $1.00 per 100.

All will make first-class salable plants for Fall

F. A. BALLER, Bloomington, Ill.

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P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS,	AZALEAS,
SPIRÆA JAPONICA,	LILIUM SPECIOSUM
PÆONIES,	BLEEDING HEART
POT GROWN LILACS,	HYDRANGEA IN SORTS.

CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.

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CHEAP FOR CASH

Clematis Paniculata.

Strong healthy seedlings, ready for 2 inch pots. $3.00 per 1000.

SEND FOR SAMPLES.

FRANK JENCEK, 87 Webster Street, Newport, R. I.

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FRUIT and ORNAMENTAL TREES,

Shrubs, Vines and Roses

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., Geneva, N. Y.

Mention the Florists' Exchange when writing.

Yucca Filamentosa

Fine, large plants, $10.00 per 100.

SAMUEL C. MOON, Morrisville, Pa.

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THE PINEHURST NURSERIES,

OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.

Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda nitida, Fothergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Dionæa muscipula, Lupinus diffusus, Phlox subulata, Sarracenias, etc., etc. Ask for Trade Lists.

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F. & F. NURSERIES SPRINGFIELD, NEW JERSEY.

Wholesale Growers. TREES AND PLANTS in full assortment. Trade Catalogue Free.

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OAKS 10,000

Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogues on application. Send estimate of wants for prices.

THE WM. H. MOON CO., GLENWOOD NURSERIES. Morrisville, Pa.

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THE STORRS & HARRISON CO., Painesville, Ohio

Desire to call the attention of Florists and Nurserymen to their 40 acres of HARDY ROSES, their complete assortment of FRUIT and ORNAMENTAL TREES and SHRUBS, and their 44 Greenhouses of ROSES, PALMS, FICUS, FERNS, ETC.

Correspondence and personal inspection solicited. Trade List and Catalogues free.

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AMERICAN HOLLY (Ilex Opaca)

This is one of America's most beautiful evergreens. Its foliage varies very little from that of the English Holly, and its rich clusters of scarlet berries make a good substitute for flowers in the Winter shrubbery. It is hardy in almost any locality. To insure safety in transplanting, the leaves should be removed from the plant at that time.

1 to 2 ft., transplanted, heavy.....$4 00 per 10; $30.00 per 100.
2 to 3 ft., " " ..... $6 50 " $50.00 "
3 to 4 ft., " " .....$9.00 "

ANDORRA NURSERIES, Wm. Warner Harper, Proprietor, Chestnut Hill, PHILA., PA.

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TREES

Fruit Trees, Small Fruits, including grapes, Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. Rochester, N. Y.

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NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN

WILSON J. PETERS, Troy, O., President; D. S. LAKE, Shenandoah, Ia., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

Western New York Horticultural Society.

The Western New York Horticultural Society is acknowledged to be one of the most energetic and healthy associations of its kind. Its meetings are always very largely attended, and its membership is held intact year after year. As a pointer for other similar bodies we asked Secretary John Hall to tell us how all this is accomplished. His letter follows:

Editor Florists' Exchange.

Your request for "a few remarks" on how we succeed "in maintaining the interest in the workings" of our society imposes upon me a more difficult task than you probably realize.

The Western New York Horticultural Society is in its forty-sixth year. We have a splendid ancestry. I recently read that "the best way to honor one's ancestors is to show that their descendant is worthy having been begotten." While I am free to admit that there are many men the possessors of a good ancestry, who reflect very little, if any, credit upon their progenitors, we believe our society has honored its ancestors. We are proud of the men who nearly half a century since organized "The Fruit Growers' Society of Western New York," a name which, in 1870, gave place to that which it at present bears. Most of those pioneers in horticulture have entered into rest; some few are with us still, greatly honored for their fidelity to the interests of our organization, and for the valuable help they are in the councils of the society, and their devotion to the great industry which they have heped to nurse into its present gigantic proportions.

Our executive officers are: President, W. Crawford Barry, Rochester; vice-presidents, S. D. Willard, Geneva; Albert Wood, Carlton Station; J. S. Woodward, Lockport; T. B. Wilson, Hall Corners. Any of your readers engaged in fruit growing will at once recognize these names as representing men, to be associated with whom is no small privilege. Then, our standing committees are composed of some of the formost men interested in horticulture.

One great factor in the streagth of our society lies in the popularity and value of our annual gatherings. The aim of those charged with responsibility of preparing the program is to procure as essayists men having the widest knowledge of horticulture, scientific and practical. In the selection of topics the object is to provide for the greatest good to the largest number, always having in view the maintenance of a high standard. The result is that the "Proceedings" of the Western New York Horticultural Society has come to be recognized as a publication of intrinsic value, and as authority on horticultural subjects. Copies of the publication are eagerly sought by kindred organizations and experiment stations in the United States and Canada, and also in foreign countries. I think, too, it has been a great advantage to have the president and secretary reside in the same city. The possibility of immediate consultation, either in person or by 'phone, is of the greatest value, so that questions arising from correspondence may be promptly and intelligently answered, as also many matters of detail equally promptly disposed of.

In regard to my own work as secretary I naturally feel somewhat loth to speak for fear of being charged with "blowing my own horn." It has been my aim, in all dealings with members, to come into personal touch with them, even though it be by correspondence only. There are different ways of treating letters. They may be answered in a perfunctory manner way, or so that the inquirer is made to realize the fact that his communication has received full and courteous attention, not merely an acknowledgment. Nor do I confine myself to matters relating purely to the business of the society. In any way where I think a line from me will be acceptable, whether of sympathy or congratulation, to a member, the pen is used. It doesn't cost much to be thoughtful, and a cheery word at the right time to a live man is better than the largest bouquet of the most fragrant blooms laid on his casket when he is cold in death. In short, I endeavor to make a friend of every person with whom I correspond or transact business.

In the matter of maintaining our membership "eternal vigilance" is a quality in great demand. There are so many "busy" men these days who begrudge even the time required to address an envelope, and who will everlastingly procrastinate rather than give immediate attention. Hence, I find a printed return envelope a good thing to inclose where reply is wanted. You cannot always use the same letter for every delinquent. If familiar with your "patient," you know his most susceptible point, and treat accordingly. Some you must arouse to a sense of duty or obligation, others must be coaxed. Those of our members who do not respond to the "first call" for renewal of membership can testify to the nearest they endure till the "eagle" has been let loose and permitted to fly into the society's cash box.

You would be amused could you read the letters written to me in reply to the various "reminders" regarding unpaid dues, in which the writer usually declares that it was his intention not to renew his membership, but admits that he has been "converted" and "can't refuse." It is much better to appeal to a man's sense of obligation than to pound him. If he has only a half dozen fruit trees of good varieties he owes a debt of gratitude to the organized body which has used its best efforts in the promotion of all that pertains to the elevation of horticulture, and he ought to be willing and glad to be enrolled on its membership list.

The chairman of committees are occasionally corresponded with a long time in advance of our annual meeting, reminding them of the importance of securing data for annual reports. We endeavor as far as possible, to anticipate every reasonable want of members at the annual meetings, and to make the surroundings as comfortable and attractive as the conveniences will permit.

To sum up, we are a harmonious whole, working for the extension and elevation of the most ancient and one of the most important of all industries that has claimed the attention of man since our first parents were put in possession of the Garden of Eden. JOHN HALL.

Secretary-Treasurer Western New York Horticultural Society.

407 Chamber of Commerce Bldg., Rochester, N. Y.

P. S.—If any reader's curiosity should be aroused let me say that $1 pays for an annual membership, and "all are welcome."

SURPLUS FOR SPRING 1900

Can yet do PEACHES and JAPAN PLUMS in limited quantity; also MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY, STRAWBERRIES from best leading varieties.

Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.

ALEX. PULLEN, PROPRIETOR.

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EDWARD B. JACKSON,

Wholesale Florist.

Hardy Herbaceous Plants Only

In any quantity for the least money.

STAMFORD, CONN.

Mention the Florists' Exchange when writing.

PAMPHLETS RECEIVED

HOW TO GROW CHRYSANTHEMUMS, AND HINTS TO AMATEUR FLORICULTURISTS.—This pamphlet is used by the New Jersey Floricultural Society, Orange, N. J., and covers the subject fully. The aim of the publishers is to provide instruction in growing plants for the children who are to enter for competition at the society's show next Fall—a most commendable effort, and one worthy of emulation by all similar organizations. The price of the pamphlet is 10c.

FLOREGIUM HARLEMENSE.—The October, 1899, issue of this useful publication contains beautiful colored plates and descriptions of hyacinth King of the Yellows, tulips Golden Standard, Bride of Haarlem and Le Matelas, and Iris xiphioides (anglica) var.

The January, 1900, number is devoted to hyacinth Sir William Mansfield, tulips Crown of Gold and Rubra maxima, and Ranunculus asiaticus superbissimus. August Rolker & Sons, Dey street, New York, are American agents for this publication.

C. H. JOOSTEN,

SPECIAL, CANE PLANT STAKES, 6 to 7 feet, per 1000, $6.00; per 250, $1.75.
KENTIA BELMOREANA SEED, per 1000, $4.50; per 3500, $14.00.
CYCAS REVOLUTA STEMS, small size, 100 lbs., $8.00.
Catalogue of FALL BULBS and PLANTS on application.

85 DEY STREET, NEW YORK.

Mention the Florists' Exchange when writing.

FIRST-CLASS STOCK

	Doz.	100
Ageratum, Cope's Pet, 2½ in. pots	$0.50	$2.50
Begonias, assorted, 2½ in. pots.	.60	4.00
Coleus—		
Golden Bedder, 2½ in. pots	.50	2.00
Verschaffeltii, 2½ in. pots	.50	2.00
Dracæna Indivisa—		
4 in. pots, very strong	2.25	18 00
5 " " "	3.50	25.00
German Ivy, 2½ in. pots	.50	2.00
Hedera Helix (English Ivy), 2½ in. pots	.50	3.00
Lemon Verbena, 2½ in. pots.	.75	4.00
Maranta Bicolor, 2½ in. pots	.75	5.00
Salvia Splendens, Bonfire, flats	.50	2.00
Swainsona Galegifolia Alba, 2½ in. pots	.60	4.00
Pandanus Veitchii—		
15 in. high, 6 in. pots	12.00	
Vinca, Variegated trailing, 2½ in. pots	.50	3.00
Vinca, Green trailing, 2½ in. pots	.50	3.00
Vinca, shrubby, 2½ in. pots	.75	4.00

N. B.—All orders amounting to $5 00 and over are forwarded F. O. B. New York City.
Orders from unknown correspondents are sent C. O. D.

SEAWANHAKA GREENHOUSES,
OYSTER BAY, L. I.
Lock Box 227. W. L. SWAN, Prop.
Mention the Florists' Exchange when writing.

A Few Good Things You Want

Asparagus Sprengeri, 3 in., $8 00 per 100; **Rex Begonia,** 3 in., mixed, $6.00 per 100; 2½ in. $4.00 per 100. **Marguerite Daisy,** large flowering white, 2 in., $3.00 per 100. **Nephrolepis Cordata Compacta and Boston Fern,** 2 in., $4.00 a 100. **Kentia Belmoreana and Forsteriana,** 4 in., nice plants, 40c. each; 3 in., 20 cts. each.

GERANIUMS Bonnatt, Single and Double Grant, Rev. Atkinson, Mrs. E. G. Hill and S. A. Nutt, 3 in., $5 00 per 100.

DRACÆNA INDIVISA 3 in., $5.00 per 100.

ENGLISH IVY and **Ampelopsis Veitchii,** 2 in., $3 00 per 100.

CAMPBELL VIOLETS, Rooted runners, 50 cts. per 100.

COLEUS Rooted cuttings, 60c. per 100; 2 in., $2.00 per 100.

SALVIA **Clara Bedman,** best variety, 2 in., $2 00 per 100.

VINCA VAR. 2 in., $3.00 per 100; 3 in., $5.00 per 100.

AGERATUM Blue and white, 2 in., $2.00 per 100.

SMILAX 2 in., $2.00 per 100.

BRIDESMAID ROSE 3 in., $5.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.
Mention the Florists' Exchange when writing.

BEDDING PLANTS

Over 100,000 of Them.

Large Assortment, Suitable for Planting, at Remarkably Low Prices. Prices Rated per 100.

OUT OF 4 INCH POTS.

Geraniums, mixed, per 100 rates	$5.00
Ageratum, blue	5.00
Calendula	5.00
Heliotrope	5.00
Scarlet Sage	5.00
Fuchsias	5.00
Cobæa Scandens	8.00

OUT OF 2½ TO 3 INCH POTS.

Petunia	3.00
Phlox Drummondi	3.00
Coleus, all sorts (no Verschaffeltii)	3.00
Sweet Alyssum	3.00
Alternanthera, red and yellow	3.00
Verbenas	3.00
Musk	3.00
Thunbergia	3.00
Pyrethrum Aureum	3.00
Dusty Miller	3.00
Kenilworth Ivy	3.00
Clematis, all vars. (except Jackmanni, are all sold), 5 to 6 inch pots	25
Hydrangea Paniculata, 6 inch	20

All pots will be taken off unless mentioned that pots are wanted.

GODFREY ASCHMANN, 1012 Ontario St. Rising Sun,
PHILADELPHIA, PA.,
Importer and Wholesale Grower of Pot Plants.
Mention the Florists' Exchange when writing.

BEDDING PLANTS—First-class Stock. **Candytuft,** 2 in. pots, $3.00 per 100. **Giant Dble. Mixed Wallflower,** 3 in. pots, $4 00 per 100. **Petunias,** in bloom, mixed, 2½ in. pots, $3 50 per 100. **Stock,** white, crimson, 2½ in. pots, $3 00 per 100. **Sweet William,** fine, 2 in. pots; **Dahlias,** single, mixed, 2 in. pots; **Lobelia,** Crystal Palace and Speciosa, 2 in pots; **Asters,** Queen of the Market, 2 in. pots; **Asters,** Semple's Branching, 2 in. pots, $3.00 per 100; **Asters,** from flats, same size, $2 00 per 100. 25 at 100 rates **Tomatoes, Lettuce** and **Cabbage,** 50 cts. per 100; $1 00 per 1000. Cash with order.
FELIX BRIDGER, Westfield, N. J.
Mention the Florists' Exchange when writing.

FOR SALE CHEAP

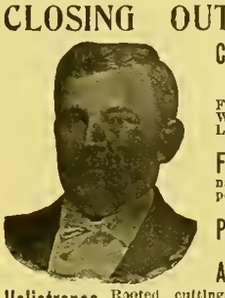
A No. 1 nice stock, in bud and bloom.

Verbenas, Petunias and Fuchsias, 2½ in. pots, 35c. per doz.; $2.50 per 100.
Pansies, extra fine strain, in fine shape, 2½ in. pots, $2 50 per 100; 3 in. pots, $3.00 per 100.
Coleus, 2½ in. pots, 4 to 5 inches, 10 to 15 varieties, $2.50 per 100.
Smilax, 2½ in. pots, $2.50 per 100.
Carnations, all sold.
Orders booked now for **Smilax** and **Campbell Violets,** 2½ in. pots, $2.50 per 100.

CASH WITH ORDER, PLEASE.

E. J. CLOUD, L. B. 32. **Avondale, Pa.**
Mention the Florists' Exchange when writing.

CLOSING OUT PRICES



Carnations Strong, ready to set out in field:

	100	1000
Flora Hill	$1 00	$9 00
Wm Scott	.80	7 00
L. McGowan	.80	7.00

Fuchsias rooted cuttings, all named and good, $1.00 per 100.

Petunias the best, $1.00 per 100

Ageratums 50 cts. per 100.

Heliotropes Rooted cuttings, 10 best varieties, 80 cts. per 100; $9.00 per 1000; 2 in., $2.00 per 100; 4 in., very fine, at 80 cts. per doz., $7.00 per 100.

Coleus 70 cts. per 100; $6.00 per 1000.

30,000 Violet Runners, California, $1.00 per 100; $8.00 per 1000.

20,000 Smilax Fine 2 inch plants, $1 25 per 100; $10.00 per 1000.

VERBENAS ALL SOLD.

Express prepaid on all rooted cuttings, and sure to please you.

C. HUMFELD.
VERBENA KING,
CLAY CENTER, KANSAS.
Mention the Florists' Exchange when writing.

COLEUS 1000 well-rooted cuttings, more Verschaffelti and crimson sorts than others, 10 to 15 altogether for $4; splendid plants, 2½ in. pots, $2 per 100, $15 per 1000; strong bushy Geraniums, good bedders, 4 and 4½ in. pots, $6.
MRS. M. CAVANAUGH, Inala, N. Y.

HELIOTROPE

2 inch, $2.00 per 100.

Merry Christmas 'Mums, 2 inch, $2.00 per 100.
Baby Primrose, $1.50 per 100.
Smilax, from flats, $1.00 per 100.
Geraniums, 4 inch, single Gen. Orant, $6.00 per 100.

CASH WITH ORDER.

WM. KEIR, - Pikesville, Md.

CYCLAMEN

PERSICUM SPLENDENS GIGANTEUM. Finest strain in the world. Now ready to ship a splendid stock of plants, in four separate colors, from flats transplanted, $3.0 per 100, $25 per 1000; from 2 in. pots, $4 00 per 100, $35.00 per 100; from 2½ in. pots, $5.00 per 100, $40.00 per 1000.

PELARGONIUMS. Mme. Thibaut, Victor, Dr. Masters, Fred Dorner, Mrs. Sandiford, from 2 in pots, $1 00 per doz., $8.00 per 100. Guaranteed strictly first-class stock.

PAUL MADER, East Stroudsburg, Pa
Mention the Florists' Exchange when writing.

MAURANDYA VINE!

Rosea and Alba, just what you want for baskets and vases, 3 cts.

ALTERNANTHERAS, R. Nana, A. Nana, P. Major, 2½ cts.; R. C., 60 cts. per 100; $5 00 per 1000.
GERANIUMS, Salleroi, Mrs. Taylor, Walnut and Rose, 2½ cts.
VINCA MAJOR, white leaf, 2¼ in., 2½ cts.
BEGONIAS, in variety, 2½ cts.
TRAILING LANTANA, 2½ cts.
GNAPHALIUM, fine for baskets, etc., 2½ cts.
ACHYRANTHES, 2½ cts.
COLEUS, Beckwith Gem, Queen of West and other varieties, 2 cts.
TRADESCANTIA Multicolor, 2 cts.
GIANT SWEET ALYSSUM, 2 cts.

CASH, PLEASE.

A. J. BALDWIN, Newark, Ohio.
Mention the Florists' Exchange when writing.

Commercial Violet Culture

Price, $1.50. Send for a copy.

VERBENAS

The choicest varieties and healthiest plants grown. Strong plants, in bud and bloom. $2.50 per 100; $20.00 per 1000.

GERANIUMS

75 finest varieties in cultivation, grown in 3½ inch pots. Strong plants, in bud and bloom, $6 00 per 100.

J. L. DILLON, Bloomsburg, Pa.
Mention the Florists' Exchange when writing.

WHAT DO YOU WANT?

I have 10,000 **Scott, McGowan** and **Portia Carnations,** from flats, $10.00 per 1000.
L. H. Campbell and **California Violets,** 10,000 strong, Fall runners, ready to plant, $8 00 per 1000; **Princess of Wales,** $15 00 per 1000. All above by 100 same price.
5000 Ampelopsis Veitchii, long, live tops, pot-grown, dormant, at $3.00 per 100 or $25.00 per 1000.
5000 Vinca Major var., 2½ in. strong, $3 00 a 100.
Carex Japonica, Golden Glow, Blue Moon Vines, Hallenna and **Golden Honeysuckle, Rose** and **Crimson Spiræa,** all from 2½ in. pots, good, 3 cts. each, as many as you want.
Also **Lady Washington Geranium, Genista,** assorted. **Flowering Begonias, Manettia Bicolor,** 4 cts each; **Sprengeri,** 3½ in., fine, 8 cts.

Cash with order, please.

BENJ. CONNELL, Florist, WEST GROVE, PA.
Mention the Florists' Exchange when writing.

100,000 PLANTS

EXTRA FINE STOCK.

	Per 100
Alternanthera, 2¼ in.	$2.50
Anthemis (Dble. yellow Marguerite), 2¼ in.	4.00
Anthemis (Dble. yellow Marguerite), 3 in.	6.00
Begonia Rex, 2¼ in.	4.00
" " 4 in.	10.00
Coleus, 2¼ in.	3 00
Cobæa Scandens, 2¼ in.	3 00
" " 3 in.	5.00
Dracæna Indivisa, 3 in.	10.00
" " 3½ in.	15.00
" " 4 in.	25.00
" " 5 in.	$35.0 to 50.00

	Per 100
Fuchsias, 2¼ in.	$4.00
" 3 in.	6.00
Geraniums—	
Mars, 2 in.	6.00
" 3 in.	8.00
S. A. Nutt, 2¼ in.	6.00
La Favorite, 3 in.	6.00
Mme. Salleroi, 2 in.	3.00
" " 2¼ in.	4.00
" " 3 in.	8 00
Ivy, 2¼ in.	4.00
Lobelia, 2¼ in.	3.00
Petunia, single, 2¼ in.	3.0
" " 3 in.	5 00
" double, 2¼ in.	6 00
" " 3 in.	8.00

	Per 100
Manrandya Vine, 2¼ in.	$3 00
Palm, Washingtonia Filifera, 2¼ in.	4.00
Palm, Washingtonia Filifera, 3 in.	6.00
Pansy Plants, bud and bloom	2.00
Pansy Plants, medium, $8.00 per 1000;	1.00
Salvia, 2¼ in.	3.00
" 3¼ in.	6 00
Vinca, 2¼ in.	3.00
" 3 in.	6.00
" 3½ in.	8.00
" 4 in.	10.0
" 5 in.	15.00

Terms Cash or C. O. D.

GREENE & UNDERHILL, Watertown, N. Y.
Mention the Florists' Exchange when writing.

DOUBLE PETUNIAS

4 inch pots, $6.00 to $8.00 per 100; 3 inch pots, $3.00 to $4.00 per 100; 2 inch pots, $2 50 per 100.

GERANIUMS, in variety, 3 inch, $4.00 per 100.
HELIOTROPES, in sizes.

CASH, PLEASE.

WILLIAM STUPPE, Hollis, L.I., N.Y.
Mention the Florists' Exchange when writing.

FINE STOCKY PLANTS

	Per 100	1000
ASTERS, the best varieties	$0.35	$2.50
STOCK, Princess Alice	.30	2.50
COSMOS, Early Dawn	.35	3.00
CANDYTUFT, Empress	.25	2.00
SWEET ALYSSUM, Little Gem	.25	2.00
ZINNIA, Dwarf Double	.35	2.50
AMPELOPSIS VEITCHII	.50	4.00
BALSAM, Camellia-flowered	.35	3.00
CARNATIONS, Margaret, semi-dwarf	.35	3.00
SMILAX, plants from flats	.50	4.50

J. C. SCHMIDT, Bristol, Pa.
Mention the Florists' Exchange when writing.

Unequaled Varieties VERBENAS Vigorous Stock.

IN BUD AND BLOOM.	100	1000
Best Mammoths, strong pot plants	$3.00	$25.00
Older " strong pot plants	2.50	20.00

CANNAS.

Austria, strong plants from 3½ in. pots,	$6.00 per 100
Burbank, " " 3½ "	6 00 "
Other varieties, our selection, 3½ "	6.00 "

ROSES.

Bridesmaid, Bon Silene, Catherine Mermet, Duchess of Albany, Golden Gate, Maid of Honor, Perle des Jardins, Sunset, The Bride, from 2¼ in. pots, $4.00 per 100. $38.00 per 1000; from 3 in. pots, $7.00 per 100; $60.00 per 1000.

CHRYSANTHEMUMS.

Adula, Eclipse, Idavan, Kuno, Mrs. Barr, Meta, Mrs. F. A. Constable, Nagoya, Silver Wedding, W. H. Chadwick, Xeno, Pennsylvania, Philadelphia. Price, from 2¼ in. pots, $6.00 per 100.

Autumn Glory, Black Hawk, Dolores, Dorothy Devins, Eureka, Elvena, Evangeline, Golden Trophy, G. F. Atkinson, G. W. Childs, Golden Wedding, H. W. Longfellow, J. H. Woodford, H. L. Sunderbruch, Iora, Lady Fitzwygram, Marsia Jones, Mrs. H. Weeks, Minnie Wanamaker, Miss Helen Wright, Mande Adams, Mrs S. T. Murdock, Mrs. Perrin, Miss M. M. Johnson, Maud Dean, Modesto, Mrs. O. P. Bassett, Nemesis, Pitcher & Manda, Pink Ivory, Pride, Surprise, Viviand-Morel, Yellow Fellow. Price, from 2¼ in. pots, $3.50 per 100, $30.00 per 1000.

Ada Spaulding, Belle of Castlewood, Benj. M. Girond, Cullingfordii, Gladys Spaulding, Glory of the Pacific, Helen Bloodgood, Harry May, Ivory, J. E. Lager, J. H. Troy, Mrs. Jerome Jones, Merry Monarch, Marion Henderson, Major Bonnaffon, Mrs. S. Humphreys, Marguerite Graham, Mme. Ferd. Bergmann, Minerva, Mrs. H. Robinson, Niveus, Riverside, Rose Owen, T. B. Morse, Thos. H. Brown, W. H. Lincoln. Price, 2¼ in. pots, $3.00 per 100; $27.00 per 1000.

MISCELLANEOUS PLANTS.

Ready for Immediate Sales.

	Per 100
Anthemis, Dbl. Golden Marguerite, 2¼ in. pots,	$3.00
Alternanthera, red and yellow, 2¼ in. pots	3.00
Ageratum, blue and white, 2¼ in. pots	3 00
" Princess Pauline, 2¼ in. pots	4.00
Cuphea, Platycentra, 2¼ in pots	3 00
Carnations, in bud and bloom, 4 in. pots	12.00
Fuchsias, double and single, 2¼ in. pots	3.00
" " " 3½ in. pots	8.00
Geraniums, double and single, 3½ in. pots	7.00
" " " 3 in. pots	5.00
Heliotrope, light and dark, 3½ in. pots	5.00
" " " 2¼ in. pots	3.00
Ivy, German, 2¼ in. pots	3.00
Moon Flower, white, 2¼ in. pots	4.00
Petunia, single, 2¼ in. pots	3 00
Pansies, transplanted	2.50
Salvias, Splendens and Bedman, 2¼ in. pots	3.00
" " " 3½ in. pots	8.00
Violets, M. Louise, $26.00 per 1000; 2¼ in. pots	3.00
Feverfew, dwarf, from 2¼ in. pots	4.00
Impatiens Sultani, from 2½ in pots	4.00
" " from 3 in. pots	6.00
Pelargoniums, from 2½ in. pots	6.00

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.
Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, and ten cents to cover expense of forwarding.

SITUATIONS WANTED.

I CAN fill any position in a seed store; want a position; can furnish good references. S. J., care Florists' Exchange.

WANTED situation as working foreman, well up in all branches of the business, first-class references; English, married. Address, with full particulars and wages, to S. F., care this paper.

POSITION wanted at once by German, 28, single, 14 years' experience in roses, carnations, 'mums, smilax and general stock. A1 designer and decorator, strictly temperance; store or commercial place. G. Gottschlich, 2081 2d Ave., Birmingham, Ala.

SITUATION WANTED by a young man, age 21, strictly temperate, 3 years' experience with roses, carnations, general bedding stock and design work; good references; state wages offered and size of place. S. N. Young, Florist, care Florists' Exchange.

LANDSCAPE GARDENER, GARDENER and architect, with 18 years' experience, draughtsman, able designer, also thoroughly familiar with every detail of construction work, will be open for engagement in near future. Address correspondence S. M., care Florists' Exchange.

HELP WANTED.

WANTED—An assistant for roses and carnations, married man preferred; wages, $10 per week; good recommendations required. John Keck, Bridgeport, Conn.

WANTED—An experienced all-around greenhouse man, must be sober, industrious and well recommended; steady position to right party, good wages. H. Blakey, Sea Girt, N. J.

WANTED, July 1st, 1900, young married man, who thoroughly understands growing carnations and bedding stock. Strictly temperate. References required. W. F. Jagger, Westhampton, N. Y.

WANTED, a good florist to grow roses, carnations and general bedding stuff; wages, $25 per month and board; after the first year $30 to $35 if he can fill the bill; state experience and references. C. Humfeld, Clay Centre, Kans.

WANTED experienced seedsmen to take full charge of vegetable and flower seed department of Western seed house; good salary and position for right man; must be able to furnish first-class references. Address immediately, giving full particulars, S. C., care Florists' Exchange.

WANTED—A GOOD GROWER OF roses, carnations, 'mums, etc., on wholesale and retail place; will pay $15 per week for a man who can do good work and a hustler. State where last employed. S. O., care Florists' Exchange.

HELP WANTED.

SEEDSMAN—A FIRST-CLASS MAN, experienced in all departments. Give particulars to A. B. C., Lock Box 1618, Philadelphia.

WANTED ASSISTANT, THOROUGHLY posted in the seed, bulb and plant business, and well up in flower seeds. Good position with Eastern retail house. Address S. K., care Florists' Exchange.

MISCELLANEOUS WANTS.

WANTED—About 1500 grafted Brides and Maids, good stock. Wm. S. Wilson, Concord, N. H.

WANTED 3000 ft. of 10x12 glass, double thick, state price. George I. Laird, 3014 Fulton St., Brooklyn, N. Y.

WANTED.—Two Oleanders, about 4 feet high; one Araucaria Imbricata (Monkey Puzzle), 6 to 8 ft.; Box, in large quantity, give size and price, and say when transplanted. T. H. Troy, The Roseries, 388 Fifth Ave., New York.

MISCELLANEOUS.

FOR SALE—3 locomotive pattern boilers; all the above are second-hand steam boilers in good condition. Address R. F., care Florists' Exchange.

BUSINESS OPPORTUNITIES.

FOR SALE or to rent, cheap, 4 greenhouses, 2 acres ground, with dwelling, in Philadelphia. Apply to Wm. Laycock 900 Walnut St., Phila., Pa.

P. GORMLEY, on account of death in family, offers his greenhouse property for sale; the best stand to be found in New England, everything convenient, a chance of a lifetime for someone, as I am going to sell at a sacrifice. For any information, address P. Gormley, Worcester, Mass.

FOR SALE—14,000 feet of glass, used mostly for roses, 4 acres of ground and 2 dwelling houses; 3 minutes from station, city improvements, hot and cold water, and good forcing water in greenhouses supplied by Summit Water Co. Will sell whole or part interest. A. Harth, Milburn, N. J.

FOR SALE—240 ACRES OF LAND ON Isthmus of Tehauntepec, State of Vera Cruz, Mexico. For full particulars write Roland Hughes, 846 New York Life Building, Kansas City, Mo.

FOR SALE—THE MORRIS FLORAL CO., Morris, Ill., consisting of 12 houses, 20,000 square feet of glass, 2 cottages, barn, 6 acres land; doing a retail and wholesale business; increase of business over last year was $1,282.61 up to April 1st. The plant cannot be built to-day for $20,000. Reason for selling: A. Mitting Sec'y and Mgr., retiring; there is nobody else in the incorporated company that is a florist. Terms, $3,000 cash, balance good paper. Open to the highest bidder; all bids will be opened on July 1st by the directors. If you mean business, come and see this new plant.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.

LARGE GREENHOUSES AND FLORAL BUSINESS For Sale at a great bargain. Centrally located in a flourishing and growing city of nearly 150,000 people. The leading house in that line within a radius of 200 miles. A large and fine trade with the best class of customers. No house has a better reputation. No debts of any kind. This plant is offered for sale at a great bargain because the proprietors have gone into other business. Address for particulars

S. L., care Florists' Exchange.

Montreal.

Trade Notes.

Considering the time of year, trade has been quite brisk the past few days, a condition of things due largely to the continued demand for funeral work, which has been steady for some time. The sale of cut flowers has been fair. Roses are of good quality for the end of the season; and very good carnations are being sent in in largely increased quantities, quite sufficient for all demands. Valley just now is scarce, as the imported stock is about finished; and owing to the very backward season the outdoor flowers are not yet arriving in any quantity.

The sale of bedding plants is only fairly started, the season being at least two weeks behind the average, very heavy frosts continuing up to the middle of May, followed by wet and stormy weather. The quantity of bedding stock seems to be sufficient for all demands, but the quality is below the average in all classes. Geraniums, as usual, are the first choice, and after that there seem to be about an average demand for all of the many lines. Jos. Bennett is growing the new ageratum Stella Gurney, and from appearance it is a vast improvement on the older varieties.

The retail prices all through are about the same as in previous years. For first-class geraniums the ruling value is $1.50 per dozen; but many can be got at a lower figure. Auction sale of bedding plants in small quantities to suit retail buyers is becoming a regular custom; most of the large local growers have already held a sale this season. The prices realized are said to have been fair only.

Carnation planting is now in full swing, and a few more fine days will see most of the plants in the field. The stock is about up to the average. There are many more of the new varieties being grown locally than usual. B.

Philadelphia.

Decoration Day Trade Good.

As anticipated business for Memorial Day was very good, the best, in fact, for several years. If any plants are left over it is because they were not in bloom. Many kinds of bedding plants were sold out at wholesale two weeks ago, but flower business was also very brisk. The demand this week was mostly for the middle grades of bloom, the choice stock being only sought for in limited quantities. Roses are now of poor quality, and prices run low. Beauty are selling at $1.50 and $2 per dozen; $3 is asked for some, but is obtained only for a few selected shipping orders. Teas are bringing $4 to $6, there being but few flowers of choice grades. Carnations sell at from $1 to $1.50 per 100, $2 being obtained for a few fancy flowers. Ethel Crocker sold at $2.50 per 100 on Tuesday.

Quite a flurry was caused on Monday last by the peony growers advancing the price to $5 per 100. This figure at first could not be obtained, but it was paid without any question on Tuesday. Those handling peonies got together on Saturday and set the price; two growers were afraid to join the combination and their stock was bought by the others at $4, and all sold at $5.

Club Meeting.

At the meeting next Tuesday matters pertaining to the S. A. F. Convention will be talked over, and a large attendance is looked for. A good essay is also promised for this meeting.

Jottings.

Henry F. Michell has started work on extensive improvements at his seed store, 1018 Market street. Up till now the back part of the store has only been 2½ stories high, and no cellarage under it; now the cellar is being dug out and the building will be carried up to five stories—same as the front half. When these alterations are completed there will be a very commodious store, five stories with basement, 190 feet deep. Mr. Michell deserves great credit for his perseverance; each year since starting he has made some extension, and now increased business makes it necessary to have more room. DAVID RUST.

Ishpeming, Mich.

The Ishpeming Floral Co. reports a good Spring trade. This concern is building two more houses.

Negaunee, Mich.

The Negaunee Greenhouses report an increasing business. The establishment is under the management of Max Rasmussen.

St. Louis.

Trade News.

Business has improved slightly the past week, though it is yet very slow. The street car strike is still on, some of the lines are running in the daytime, and the people are getting used to the new order of things. The supply of stock from indoors has slackened up considerably. Roses are of rather poor quality, they are now selling at from 2c. to 4c. Outdoor stock, principally Jacqueminot, are plentiful, and bring $1 to $3 per 100; Paeonias are not over abundant, bringing 3c. to 4c. Indoor sweet peas are about over, and outside flowers are not of good quality yet, there is consequently a little scarcity at present. Valley from outside is abundant and has been selling at 1c. to 2c. Carnations are not so plentiful as they were, they realize 75c. to $1 per 100.

The bedding plant trade is pretty well over. It is considered about as good as last year, notwithstanding the strike, which all unite in saying cut off the sales very considerably—probably 20 per cent. Prices in some localities were very low. We hear of geraniums being planted out at 75c. per dozen, with other plants in proportion. Many at this date have some little stock left, but they are still in hopes of working it off. Lobelias and fuchsias have both sold very poorly this year; both, however, are of little value here as bedding plants. Moon vines went very well, as did the new kind of ageratums. Verbenas also sold readily. The low price of geraniums does not apply to all parts of the town. In some portions from $1 to $1.50 per dozen, and in a few instances $2 per dozen was obtained. The cheap section seems to be in the south part of the city, where the florists are numerous, and do seem to vie with each other in trying to see who can sell the cheapest—very poor policy on their part, according to our way of thinking.

Decoration Day creates little or no extra demand here. While we have a big national cemetery, and it is always decorated, people seem to get their flowers without buying them. Anyhow, the big expectations and preparations we hear of east and north of here, do not exist in this city. C. C. S.

Marquette, Mich.

Mr. Schultzen has taken the position o foreman of the Stafford Greenhouses here

Propagation of Ficus Elastica.

Will you please give me the best method of propagating Ficus elastica (top cuttings) that is suited to my climate? I am raising a good many of these plants, but 50 per cent. of my cuttings rot. I cut them in the night, let the wounds dry up 12 hours, and then give each cutting a 2-inch pot in a bench of a greenhouse with 70 to 80 degrees Fahrenheit, natural bottom heat. The soil is of old well-rotted manure mixed with sand and oak leaves. In propagating I employ entirely the old way of cutting and handling I did in Belgium, where I lost not more than 5 per cent. of my plants. Do you advise putting charcoal in the bottom of the pots? RUBRIQUE.

Fla.

—To propagate Ficus elastica from top cuttings the best method to employ is that usually called mossing. This is done by making an incision about an inch long at the place where it is desired to take the cutting. When making the incision, cut toward the end of the shoot and go about half way through the stem only, insert moss to keep the cut open, then tie a bunch of moss around the stem, inclosing the cut portion. Keep the moss moist by frequent syringing and it will be filled with roots in about five weeks, when it should be severed from the parent plant, the moss carefully removed and the young plants potted and placed in a gentle bottom heat. The soil for potting may consist of any fresh loam with enough sand to make it free and open. No manure whatever should be added to the soil at the first potting. The cuttings will also root easily (especially at this season of the year) if taken and put in 2-inch pots, using sandy soil only and plunging the pots in a brisk bottom heat. Instead of allowing the cuttings to dry up for 12 hours, place them in water a few minutes; that will arrest the flow of sap, then pot them right away. We think letting them wilt for 12 hours, together with using rotten manure, has been the chief cause of failure.

PRIZE COMPETITION.

SUBJECT—What Benefits Have I Received and Pointers Obtained from My Visits to Other Greenhouse Establishments and the Flower Shows?

SECOND PRIZE PAPER

By James A. Lake, Concord, N. H.

I have noticed in visiting greenhouses that it is not a very difficult matter, in the majority of cases, to tell at a glance the successful from the unsuccessful man. On entering the premises of the former one generally finds that the grounds are orderly and tidy, beds and walks well laid out, and fences, if any, intact. The houses are well built, of a fair height, with good ventilation; the woodwork white and clean, the glass bright and shining. Entering the office or shed one finds it in the same order—frames all hung up in their places, floor swept, clean oil-cloth on the counter and work benches, with here and there a palm for decoration. On going into the houses everything is found to be in a like tidy condition—the plank well fastened up, beds free from weeds, and on inspection the crops are seen to be free from scale, thrip, mealy bug and such pests. The help is obliging and courteous, and visitors as well as customers are treated respectfully, and in such places there are generally pleaty of both.

On the other hand the unsuccessful man's place presents a striking contrast. In his grounds outside there seem to be no beds or walks at all defined, the whole place being overrun with weeds. The houses are built low and poorly ventilated, and are so shabby and the glass so dirty that one could not see whether there was anything growing inside or not; while in dozens of places may be noticed pieces of board substituted for glass. On trying to enter the houses through the office or shed one has to pick his way through a maze of wirework, heaps of pots, trays, etc., while the floor is strewn with withered flowers, pieces of string, bass, moss, wire and all manner of refuse. The walks in the houses are littered up in the same manner, the wall plates and front glass green with an accumulation of dirt and stale water; while the spaces underneath the benches serve as a convenient dumping place for old, dead plants, dirty pots and such like material which it was not found convenient at the time to carry outside—the whole forming a most admirable location for the breeding of greenhouse pests. The carnation plants are lying all over the beds, the weeds pushing up through them, while here and there a stem has shot up, trying to bring forth a bloom; but its further progress has been stayed by coming in contact with the glass. The roses are weak and straggling for want of proper light and air, and the little foliage that is left on them is discolored with mildew, greenfly, etc. In such places customers are rarely, and visitors never, seen.

I have found during my visits that among florists there are a great many methods of growing and caring for crops, with equally good results. It is of great aid to a florist, on going into a new position, to visit (if he has the time) the growers in that section and obtain what ideas he can of the general plan of cultivation, according to locality and climate; and these, with his own ideas, will generally give better results than if he had simply gone to work on his own knowledge, or solely on the plans of others. I have noticed, too, especially during the Winter, the difference between a house where water has been applied judiciously and one where it has been used too freely, the crops in the former being generally tolerably free from insects, of good growth, and prosperous, while in the latter they are often weak and stunted, some with the leaves turned yellow and brown, while others have lost the greater part of their foliage; and on what remains may generally be found plenty of greenhouse pests. I have also noticed the bad effects of crowding palms, ferns, etc., this being shown by the profusion of scale, thrip, bug, etc., generally found on them.

While visiting shows I have learned much that has been of benefit to me, in the grouping and arranging of cut flowers, flowering plants, palms, ferns, shrubs, etc., for decorations, to obtain the best effects according to light and surroundings. I have also found that a great many exhibitors have sometimes been hasty in condemning the judges of partiality, as the complainants, having sent in what they thought to be perfect specimens, and on learning before visiting the show that their exhibit had not taken first honors, at once accused the judges of unfairness, but on visiting the show the difference between the perfect and the imperfect specimen, when seen side by side, was at once apparent. I have also found that others have failed to exhibit, through diffidence or lack of confidence in their own ability, when, had they done so, they would have obtained not only an award, but a good advertisement. These, in my opinion, are two things well worth knowing, viz., when one has a specimen which is worth exhibiting, and when one has one which is not worth exhibiting.



Russelias on Bench at Cottage Gardens.

New Horticultural Hall, Boston.

The architects of the new building of the Massachusetts Horticultural Society have prepared plans, together with a water color perspective, of the new structure, showing what the horticultural hall will look like.

The painting represents a red brick, limestone and terra cotta structure, two stories high, fronting on Massachusetts avenue for the whole distance between Huntington avenue and Falmouth street, Boston, a structure that in design carries a suggestion of Hampton Court, and in which, indeed, is seen a free treatment of the brick architecture of the English renaissance.

Various contractors have been invited to figure on the construction of the building. Their bids have been received and opened by the architects, but will not be submitted to the society until May 26, on the occasion of the next regular meeting, pending which particulars as to the probable cost of the new horticultural hall cannot be made public.

However, a description of the building may be given. According to the plans it will have frontage on Massachusetts avenue of 210 feet, and 94 feet on both Huntington avenue and Falmouth street. From the sidewalk it rises 56 feet to the top of the main cornice, and is surmounted by a pitch roof covered with slate.

In the center of the Massachusetts avenue front are three doors of entrance, and on Falmouth street a broad entrance way wide enough to permit the driving of wagons and carriages into the main exhibition hall, for which purpose this entrance was designed.

There are heavy rusticated piers at the four corners of the building, and along the front of a colonnade of Ionic pilasters, standing on a high base of limestone, supporting the entablature. The pilasters divide the Massachusetts avenue front into 13 bays and the Huntington avenue end into five.

The windows in the first story are arched, while the upper openings are rectangular. Of the latter each has a wrought iron balcony. Above the main entrance is a large marble panel bearing the name of the society in bronze.

In the ornamentation of the exterior colored marble is used to a considerable extent, and the limestone trimmings are suitably carved. The garlanded frieze and terra cotta cheneau give the required decorative effect and play an important part in making the building a most attractive one. So much for the exterior.

Naturally, the most important feature of the building is the main exhibition hall. This is at the rear of the Massachusetts avenue front, and opens on to Falmouth street. It measures 122x50 feet on the ground, and is 43 feet high, having a monitor-lighted roof.

"On the ground" is the fact, for the floor of the hall is gravel-covered earth. There in Winter, wagons may be driven into the apartment and flowers and plants received and delivered with few handlings, and without exposure to the weather. The advantages of this arrangement in the event of dances or other entertainments in other parts of the building are obvious. The free use of the hose will be permissible in this exhibition hall, which is no small advantage in itself.

At the inside end of the hall is a 40x25-foot platform, reached by steps, from which doors open into the vestibule and lobby connected with the main entrance from Massachusetts.

The society's lecture hall is in the Huntington avenue end of the building, an apartment measuring 48x70 feet, with an ample platform, dressing rooms and the usual lecture-hall accessories.

To the left of the main entrance, lobby and vestibule is a small exhibition hall, measuring 28x56 feet, connected with the main exhibition room.

The lecture hall is admirably adapted for use as a ball room, but where greater floor space is required, the laying of a floor, made in sections for the purpose in the main exhibition hall, will provide it.

In the second story, over the lecture hall, is the society's library, fitted in the usual manner, with two stories of stacks and capacity for 20,000 volumes. The librarian's room and the cataloguing room are connected with the library, and there is also a newspaper and periodical room and a room for special study. On this floor, in addition, are the offices of the secretary, photograph room, with dark room and other apartments that may be put to various uses.

In the basement there are three committee rooms, one large enough for use as a dining hall. There are also service rooms adjoining the lecture hall above.

With heating and ventilating systems especially adapted to the purposes of the building, and as nearly as possible perfect, the new Horticultural Hall will be all that a horticultural hall should and can be, and, in addition, will be an important acquisition to the notable semi-public buildings of the city.—The Boston Herald.



Chicago.—The time after the club meeting on Friday, May 18, was short, nevertheless some games were played, among them the finish of five games in the second ten between John Degnan and Phil Hauswirth. Again Johnnie was the winner, with one 245 score in the series. This settles it; Phil cries "*Quantum Sufficit.*" The scores are:

	1	2	3	4	5	Tot'l
P. J. Hauswirth	121	131	184	165	151	742
J. Degnan	134	134	192	245	170	875

New York.—The following scores were made last Monday night:

	1	2	3
F. H. Traendly	142	147	130
L. Hafner	162	132	125
P. O'Mara	148	134	88
A. S. Burns	140	128	122
T. J. Lang	181	153	164
J. Roehrs	113	137	123
W. Marshall	116	141	111
A. Von Asch	95	93	144
J. Thielman	133	151	165

Previous to the games a short business meeting was held. T. J. Lang was elected secretary of the club, and the subject of finding suitable alleys on which to hold the S. A. F. tournament was discussed. Seven or eight teams have already signified their intention of competing in the tournament, for which three $100 prizes are up, Hitchings & Co., Lord & Burnham, and E. M. Wood being the contributors; and there is no doubt the finest alleys in the city will be engaged for the occasion.

Denver.—Following are the scores made by Denver florists May 15:

	1	2	3
Berry	162	147	199
Riley	160	189	187
Valentine	195	186	166
Scott	236	210	187
Applegate	138	135	190
Mauff	..	195	163

P. S.

Flatbush, N. Y.—The scores made Thursday evening were as under:

	1	2
L. Schmutz	114	140
P. Riley	180	121
I. Thinnes	96	142
C. Wocker	106	114
Papa Zeller	..	74
E. Dailledouze	183	168
P. Dailledouze	106	142
H. Dailledouze	84	156
C. Werner	117	92
W. Prosser	118	144
S. S. Butterfield	141	123

Russelias.

Our illustration shows plants of Russelia growing in a bench at Cottage Gardens, Queens. Mr. Ward furnishes the following information regarding the varieties:

"Regarding the Russelias in question the two varieties, elegantissima and multiflora, are both hybrids, raised by Victor Lemoine. The plants are of the easiest culture—fully as easy to grow as the coleus or geranium. They are well adapted for hanging baskets and for vases. They grow equally well in the coleus or geranium temperature. Planted upon benches in the greenhouse they produce sprays of flowers 3 to 4 feet in length, and 12 to 18 inches in diameter. In greenhouse culture and in vases during the Summer time the plants throw a succession of new growths, each succeeding growth being stronger than the preceding one, and these growths are covered with a shower of brilliant blossoms. In my opinion these varieties are useful additions to the few vase and basket plants that succeed well in our dry climate. To get the best results strong plants from 3 or 4-inch pots should be planted in the vases or baskets, as it takes the small stock from 2½-inch pots some little time to become established and throw out the stronger growths. I should generally prefer to start with plants from 4-inch pots, even 5-inch, that had become thoroughly root bound."

C. W. WARD.

Chicago.

State of Trade.

At all the wholesale houses trade is booming. Stock came in Monday and Tuesday mornings very liberally, but buyers seemed to be eager, with every indication of grand business. The cooler weather has improved the quality of roses decidedly, which is fortunate, as shipping orders are coming in very lively. Decoration Day in this city is always a big feature, and this year seems to be no exception. All classes of city retail buyers were much in evidence at the wholesale marts, and when this is the case the street men have to take a back seat, although all last week things went their way and monstrous quantities of stock were disposed of.

Carnations are in fine shape with very liberal supplies. Pæonies are brought forward only as the trade demands them, so far, but this week will see them exposed. The Kennicotts have a thousand dozen in storage. Home-grown stock is not yet in, but is arriving from points a little south and west from the lake. The last of the lilacs, from the North, are around, and what is called Kennicott's Yellow Tulip is still in, selling at from $2 to $3 per 100.

Decoration Day prices were, per dozen: Beauty, long stem, $3 to $3.50; medium, $2 to $2.50; 12 to 15-inch stock, $1 to $1.50; extra Kaiserin and Golden Gate, per 100, $8 to $10; Bride, Bridesmaid and Meteor, from $4 to $8; Perle, $3 to $5. Carnations, common grade, $1; standards, $1.50 to $2; fancies, $3 to $4. Lilies and callas, $8 to $10; pæonies, $3 to $5; dalsies, 50c. to 75c.; smilax, $10 to $15; asparagus, 40c. to 50c. per string; Cape jasmine, $1 to $1.50.

New Greenhouses.

A. H. Poehlmann, of Morton Grove, has purchased a 20-acre tract, and will erect six greenhouses, each 20½ x250 feet. G. M. Garland has the contract, and the houses will be fitted with the Garland gutter.

The Chicago Carnation Co.'s (Joliet) new additions this year will be one iron construction house by Lord & Burnham, New York, 30x300 feet, and two others of same size and style as their present range, 22x200 feet.

J. A. Budlong has his four 300-feet houses completed and planted to roses. He reports his Liberty making grand growth.

Peter Reinberg, on Saturday, had five of his new houses planted; and Wietor Bros. commence planting in their new range this week.

Around Town.

John Muir has still a fine lot of longiflorum lilies coming in, and a lot of late ones plunged out of doors.

James Hartshorne is rejoicing over the advent of a son. Jimmie expects to leave on July 1 for a trip to his old home in England, to be gone two months.

McKellar & Winterson have the past week been obliged to work nights to get off their orders of florists' supplies for Decoration Day trade.

August Jurgens has a fine lot of Hydrangea otaksa now in flower.

J. B. Deamud is handling a lot of fine carnations, and gets away daily with a stack of other flowers.

Andreas Simon, of the Staats-Zeitung, stated at the recent florists' club meeting that he intends again visiting the bulb-growing districts in Puget Sound about July 1. As he can get advantageous rates for the trip, several Chicago men expect to go with him, including Edward Kants, of Washington Park; Charles Stromback, of Lincoln Park; John Jensen, of Humboldt Park, and John Degnan, of Vaughan's Seed Store. The invitation was extended to any one who felt an interest.

Peter Reinberg and Wietor Bros. are both making improvements in their wholesale rooms ready for a big business next year.

E. H. Hunt is doing a good trade in the country with a line of high-handled willow baskets.

Hail was reported pretty generally around Chicago, Sunday. In Oak Park and Austin the papers on Monday morning reported damage to greenhouses, but no intimation of such had reached any of the wholesale houses.

Convention Month.

This city will have three conventions this month—June 5–8, Park and Outdoor Art Association at the Art Building on the Lake front; American Seed Trade Association at the Grand Pacific Hotel, June 12 to 14; the American Association of Nurserymen will hold its 24th annual convention in the Chicago Beach Hotel, June 12–14. ESS.

Buffalo.

While a few of the retail florists claim an active trade of late, others incline to consider business during the past month as averaging slow. The weather for the most part was cold and unseasonable, and decided dryness now prevails.

As regards Decoration Day matters in common or low-priced flowers, lilacs were late enough to cut an important effect. They fit many purposes as a flower, and, being very plentiful on the markets, and of good quality, they make decided inroads on the sales of better grades of bloom, and this dividing up made it seem dull. The stores did a fair trade, and that only with flowers ample for all needs. As regards efforts to create interest in Decoration Day on the part of leaders in G. A. R. matters, an apathy seems to exist compared with earlier years, and the quantities of flowers, bouquets and set pieces made use of by the organization seems to be diminishing. Plants were called for, but not largely.

The bedding plant trade is now in full swing. The demand seems good and fair prices are readily obtained.

J. McHutchison, of New York, called the first of the week. VIDI.

Rochester, N. Y.

May 27 was lilac-day in Rochester. Highland Park was comfortably filled all day with admiring crowds. Supt. Dunbar's splendid work in clothing the gravel heights with shrubery and perennials is beginning to receive popular recognition. The collection of lilacs contains more than 130 varieties, including a dozen or more distinct species. More than 100 varieties of the common lilac were in full bloom on the 26th. Several florists were seen taking notes on varieties. The finest kinds in the entire collection are the new creations of Lemoine—Emile Lemoine and Mme. Lemoine. The earliest is Ablata, being two weeks in advance of most kinds. The old Marie Legraye and Mme. Moser were especially noted among whites, Nana and Aline Mocquery in dark purple, and Dr. Regel in light lilac. The largest single florets are in Jacques Callot, a magnificent variety.

In a shaded spot on the south side of the park a bed of native cypripediums in bloom brought out many strange queries from city-bred people. G. A., JR.

DOUBLE FRINGED PETUNIAS,
2 inch, per 100, $2.00.

Geraniums, mixed, strong, 2 in.....per 100, $2 50
Humulus Variegata, Japan Hop) 2 in, " 2 00
Cobæa Scandens, 2 in..... " 2.00
Selaginella Denticulata, 2 in..... " 1 50

E. I. RAWLINGS, - Quakerstown, Pa.
Mention the Florists' Exchange when writing.

COLEUS C. Verschaffeltii, G. Bedder and Queen $8. 0 Select bright fancy, $5.00 a 1000.
New large-leaved vars, grand colors, $1.
Corona, clear scarlet center, broad gold border, fine, 75 cts. a 100
Terms Cash. Extra plants to pay part expressage.
DANIEL K. HERR, Lancaster, Pa.
Mention the Florists' Exchange when writing.

GERANIUMS, CANNAS, COLEUS.
Geraniums, dbl Gen. Grant, strong, 3 in., $5.00 per 100. 1200 2½-in., 8 var., $30.00 the lot or $3.00 per 100. 500 R. C., 5 var., mostly dbl. red, the lot, $5.00, or $1.25 per 100.
Cannas, 3½ in., P. Marquant, Mme. Crozy, $4.00 per 100.
Coleus, R. C., 10 varieties, strong and clean, 90c. per 100; $7.00 per 1000.
McBRIDE'S NURSERY. Alpha, N. Y.
Cash with order. E. FOUNTAIN, Mgr.

GERANIUMS
Good varieties, from 4 in. pots, $50 a 1000.
Strictly Cash With Order.
L. I. NEFF, Florist, 218 Sixth Street,
PITTSBURG, PA.
Mention the Florists' Exchange when writing.

Fine Stocky Plants

GERANIUMS	2½ and 3 inch po's. mixed.....	Per 100 $2 50
CENTAUREA GYMNOCARPA, 2 in. pots.		2 00
SMILAX 2 in. pots, per 1000, $3.00.....		1 00
ASPARAGUS PLUMOSUS NANUS...		4 00
PRIMROSES, July 1, Chinese Forbesi, Obconica Grandiflora and Rosea.....		2 00

CASH, PLEASE.
JOS. H. CUNNINGHAM, Delaware, Ohio.
Mention the Florists' Exchange when writing.

Hot-Bed Sash

Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.

Quick Shipments.

We have in stock and can ship immediately:

3 ft. x 6 ft., 3 rows 10 in. glass.
3 ft. 3 in. x 6 ft., 4 " 8 in. "
4 ft. x 6 ft., 5 " 8 in. "

Not glazed, 1¾ in. thick.

Delivered Prices

Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.

LOCKLAND LUMBER CO.,
Lockland, Ohio.
Mention the Florists' Exchange when writing.

Blooming Plants, nice stock, out 2½ and 3 in pots—**Nasturtium,** King of Tom Thumb. **Sweet Alyssum,** Little Gem. **Lobelia,** Emp. William, dark blue **Phlox Drummondii,** Nana Compacta Hortensiaflora, pink. **Petunia,** Cal Giants and dwarf fringed, each kind, $2.00 per 100 Cash, please. **Shellroad Greenhouses,** Grange P. O., Balt., Md.
Mention the Florists' Exchange when writing

GERANIUMS 10 good varieties, in bud and bloom, 3½ in pots, per 100, $5. IVY GERANIUMS, in good varieties, in bud and bloom, 3½ in. pots, per 100, $5 00.

Fuchsia, 4 in. pots, per 100, $12.00. **Heliotrope,** 2 varieties, 2½ in. pots, per 100, $2.50. **Salvia,** 2½ in pots, per 100, $2 50. **Ageratum,** Cope's Pet, 2½ in. pots, per 100, $2 50. **Lobelia,** 2½ in pots, per 100, $2.50. **Single Petunias** 2½ in. pots, per 100, $2.50 **Periwinkle,** 3 in. pots, 100, $3. Cash with order.
WM. J. CHINNICK, Trenton, N. J.
Mention the Florists' Exchange when writing.

R. C. and 2½ inch POT PLANTS

	Per 100
Coleus, best red, yellow and assorted.....	$0.50
Moon Vines, white.....	1.00
Santolina Chamæcyparissus, very strong	1.50
Ageratum, blue and white, and P. Pauline, 2½ in. pots.....	1.60
Salvia Splendens, tall and dwarf, 2½ in pots	2.00
Cobæa Scandens, 18 to 24 ins., 2½ in. pots ...	3.00
Chrysanthemums, long list of best varieties, strong, 2½ in. pots	2.00
Alternantheras, red and yellow, 2½ in pots	1.75

Cash with order, please.
J. E. JACKSON, Gainesville, Ga.
Mention the Florists' Exchange when writing.

GERANIUMS
In leading varieties.
3½ and 4 inch pots, $5.00 and $6.00 per 100; extra good stock, $8.00 per 100; $60.00 per 1000.
CANNAS Florence Vaughan, Crozy, 4 inch pots, $6.00 per 100.
R. E. EDE, Parkville, BROOKLYN, N. Y.
CONEY ISLAND AVENUE.
Mention the Florists' Exchange when writing.

Begonia, Gloire de Lorraine
H. B. May has a first-rate stock, ready for shipment in June. **Price, £25 per 1000,** accompanied by draft on a London bank. A customer in Philadelphia writes, under date of July 6th, 1899:
"I am glad to be able to say that the 500 Begonias arrived in first-class condition. I do not think we will lose a plant."
DYSON'S LANE NURSERIES,
Upper Edmonton, LONDON, ENGLAND.
Mention the Florists' Exchange when writing.

COLEUS!
Crimson Verschaffeltii, Golden Queen, Golden Bedder, and Mixed Rooted Cuttings, 60c. per 100; $5.0 per 1000. 2 in. pots, $1.50 per 100.
HELIOTROPE, 12 varieties, 2 in. pots, $2 per 100
GERANIUM, Pink Beauty, 3 in. pots, $3.50 a 100.
ALTERNANTHERAS, 2 in. pots, P. Major, $1.75 per 100; A. Nana, $1.50 per 100.
PANSY PLANTS, in bloom, extra choice colors, stocky plants, $1.00 per 100; $8.00 per 1000.
Cash With Order.
C. A. HARRIS & CO., Delanson, N. Y.
Mention the Florists' Exchange when writing.

EDELWEIS GNAPHALIUM ALPINUM, from Switzerland. The first in America, in good condition, in bloom, 1 year old plants, per doz., $2 00. Order booked now, for fall delivery, per 100, $10.00.
PATSHOULI The finest French perfume plant, per doz., $1.00.
ALBERT KNAPPER, Frankford, Philadelphia, Pa.
Mention the Florists' Exchange when writing.

40,000 COLEUS
VERSCHAFFELTII and other varieties, in 2½ inch pots.
$2 00 per 100; $20.00 per 1000.
ALEXANDER MEAD & SON,
349 Lake Ave., GREENWICH, CONN.
Mention the Florists' Exchange when writing.

GERANIUMS and VINCAS
QUEEN OF THE WEST } Extra good, 4 inch
BRUANT, GEN. GRANT } pots, $7.00 a 100
VINCAS Very strong and heavy, $1.50 per doz.; $10.00 per 100
Cash please. Carnation cuttings all sold.
GEO. A. RACKHAM, 880 Van Dyke Avenue, DETROIT, MICH.
Mention the Florists' Exchange when writing.

Can You Make Use of

	Per 100
Stocks, Double White, good value	$2 00
Mignonette Machet, strong, 2 in.	1 50
Solanum Capsicastrum, 2 in....	1 50
Smilax, strong, 2 in.....	1 25
Browallia Speciosa Major, 2 in.	1 00
Carex var., strong, fine for vases, 2½ in.	3 00
Boston Ferns, fine young stock, 2½ in.	5 00
Ipomœa, Blue, strong plants, 2 in.	3 00
Ficus, Long Leaved, 3 to 4 shoots	20 00
Aspidistra, to grow on.....100 leaves	4 50
Asparagus Sprengeri, 2 in.....	2 00
Vinca, Trailing, strong, 4 in.....	8 00

A. G. FEHR, Belleville, Ill.

GERANIUMS
In 4 inch pots, in bud and in bloom, composed of the following varieties:

Beaute Poitevine,	E. G. Hill,
La Favorite,	Jas. Garr,
Marguerite De Lyas,	Mrs. F. Perkins,
Ruy Blas,	Alphonse Riccard
Van Dale,	Wilhelm Pfitzer.

And several other No. 1 varieties, all in fine condition or no sale.

FUCHSIAS
10 variety, 4 inch pots. The selection of sorts to remain with us.
Price, $5.00 per 100.
PACKING FREE. CASH PLEASE.
J. E. FELTHOUSEN, Schenectady, N. Y.

A NEW AD

	Per 100
10000 **Coleus,** named, our selection, 2¼ in.	$1.50
5000 **Geraniums,** mixed, 2¼ in.....	2.00
2 00 **Graaa Pink Pinks,** 3 in.....	3.00
2 00 **Verbenas,** named, 2¼ in.....	1.00
1000 **True Maiden Hair Fern,** 2½ in....	4.00
2000 **Iresines,** two colors 2¼ in.....	1.50
10 0 **Red Vernon Begonias,** 2¼ in.....	1.50
500 " " " strong, 3 in.	2.50
500 **Lygodium Scandens,** climbing fern, 2½ in.....	4 00

THE MORRIS FLORAL CO., Morris, Ill.
Mention the Florists' Exchange when writing.

CALADIUMS
Started 5 inch pots, good stock, at $5.00 per 100.

	Per 100
Roses, Bridesmaid, 2 in.....	$2.50
Cobæa Scandens, 2½ in	2.00
Rudbeckia, Golden Glow, 2½ in.....	2.50
Abutilon, Souv. de Binn. 3 in.....	4.00
Feverfew, Little Gem, 3 in.....	3.75
Dusty Miller, (Gym). 3 in.....	2 50
Verbenas (Mammoth), 2 in.....	1.50

Alternantheras—
A. Nana, rooted cuttings, strong, per 100, 60c.; per 1000, $5 00.
Smilax—
Seedlings, per 100, 50c; per 1000, $4 00
Tuberose Bulbs—
Excelsior Dwarf Pearl, A No. 1 stock, 75 cts. per 100; $6.00 per 1000.
Satisfaction Guaranteed. Cash with Order.
GEO. L. MILLER, Newark, Ohio.
Mention the Florists' Exchange when writing.

TOP CUTTINGS OF

FICUS



Now in 3 inch pots, rooted, ready for 5 and 6 inch pots, at $20.00 per 100.

BOBBINK & ATKINS, Rutherford, N.J.

Mention the Florists' Exchange when writing

Only One.

I send one dollar to renew sub. for FLORISTS' EXCHANGE. There are others, but there is only one FLORISTS' EXCHANGE, and you are it. Long may you wave. EDWARD SNOW.

Athens, Pa., May 25, 1900.

TO EXCHANGE.

1000 4 inch

Latania Borbonica

(Good strong plants, $15.00 per 100) for BOSTON FERNS, 2, 3 or 4 inch pot plants. Address

W. J. HESSER, Plattsmouth, Neb.

Mention the Florists' Exchange when writing

BOSTON FERN—A Specialty

$5.00 per 100; $40.00 per 1000.

Large plants at from $20.00 to $50.00 per 100.

MME. SALLEROI GERANIUMS, COLEUS and ALTERNANTHERA.

L. H. FOSTER, 45 KING STREET, **Dorchester, Mass.**

Mention the Florists' Exchange when writing.

FERNS Our Specialty.

	100	1000
A Grand Stock of MAIDEN HAIR FERNS in 4 in., ready for 5 in. pots.	$10.00	$95.0
Full-grown plants, in 2½ in., ready for a shift	4.00	35 00
Fine lot of ASSORTED FERNS for Jardinieres, all the best varieties, in 2½ inch pots	4 00	35.00
Asparagus Sprengeri, 5 in. pots	25.00	
Gardenia Florida, strong, healthy plants, 5 in. pots	15.00	
Gardenia Florida, 2½ in. pots, extra strong	4.00	

Money returned if not satisfactory. TERMS CASH OR C. O. D.

ANDERSON & CHRISTENSEN, SHORT HILLS, N. J.

Mention the Florists' Exchange when writing.

BOSTON FERNS

N. Exaltata Bostoniensis.

Small plants, $5.00 per 100 or $40.00 per 1000; large plants, $6.00 to $20.00 per 100. Orders only taken for June delivery.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 inch, $3.00 per doz.
Asparagus Plumosus, $1.00 to $1.50 doz.
Asparagus Sprengeri, 3½ in. pots, $1.50 per doz.
Geraniums, 3½ to 4 in. pots, $7.00 to $8.00 per 100.
Heliotrope, $6.00 per 100.
Fuchsias, 3½-5 in. pots, $6.00 to $12.00 a 100.
Coleus, $5.00 to $5.00 per 100.
Hydrangeas, 25cts. to $1.50 each
Also a general assortment of Bedding Plants.

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. Connected with Telephone.

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Send for Our List of

Kentias, Latanias, Ficus,

Asparagus, Dracænas, etc. Ask for our price list of Perpetuated Palms. Samples sent on request. Address

THE GEO. WITTBOLD CO., Chicago,
1708 N. Halsted Street.

Mention the Florists' Exchange when writing.

Adiantum Farleyense

Nice young plants, ready for a shift, 2½ inch pots,

$10.00 per 100.

J. A. PETERSON, Florist, **Cincinnati, O.**
405 Race Street.

Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.
1730 CAMBRIDGE ST.

Mention the Florists' Exchange when writing.

LATANIA BORBONICA

4 inch pots	$2.50 per doz;	$20.00 per 100.
5 "	4.75 "	35.00 "
6 "	9.00 "	70.00 "
7 "	1.25 each,	and fine specimen plants from $6.00 and upwards.

Areca Lutescens, fine plants from $5.00 upwards.
Kentia Belmorenna and **Forsteriana**—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, well grown, from $2.50 and upwards.
Phœnix reclinata, 4 in. pots, 25c. each, $20 per 100; 5 in. pots, 40c. each, $35.00 per 100; 8 in. pots, 60c. each, $55.00 per 100; 7 in. pots, $1.25 each.
Phœnix Canariensis, Rupicola and **Reclinata,** fine specimen plants, from $3.00 to $5.00 each.
Cocos Weddelliana, from 2 in. pots, $1.50 per doz.
ASPARAGUS SPRENGERI 3 in. pots, $1.00 a doz. 5 in. pots, 25c. each.

JOHN BADER, Troy Hill, **Allegheny, Pa.**
L. D. TELEPHONE 872

Mention the Florists' Exchange when writing.

ACALYPHA SANDERII 2½ inch, $3.00 a 100.

BOSTON FERN 2½ inch, $5.00 a 100.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

ARECA LUTESCENS	6 in. pots,	3 plants, very bushy, 24 ins.	$1.00
	8 "	" " 26 to 30 ins.	2.00
KENTIA BELMOREANA	4 in. pot,	5 to 6 leaves, 15 to 18 in.,	$6.00 a doz.; $50 a 100
	6 "	6 " 20 to 24 "	18.00 " 160 "
KENTIA FORSTERIANA	4 in. pot,	4 to 5 leaves, 15 to 18 in.,	$4.50 a doz.; $35 a 100
	6 "	5 " 18 to 24 "	9.00 " 75 "
Measuremen's from top of pot.	6 "	6 " 28 to 30 "	1.25 each; 15 a doz.

JOSEPH HEACOCK, WYNCOTE, PA.

Mention the Florists' Exchange when writing.

10,000 Excellent...

Stocky 4-inch **LATANIAS**

READY FOR SHIFTING

$20.00 per 100, $190.00 per 1000.

WALTER RETZER & CO.,
Successors to ALBERT FUCHS,
2045-2059 Clarendon Ave., - - CHICAGO, ILL.

Mention the Florists' Exchange when writing.

BOSTON FERNS

Small Plants . . . . . $5 per 100; $40 per 1000.
Large Plants . . . . . $25 to $75 per 100.
Orders taken for any quantity for June delivery only.

COLEUS

From pots, extra fine plants of the following varieties: Crimson Verschaffeltii, Golden Bedder, Glory of Autumn, and Little Jim. $20.00 per 1000.

Salvia Splendens

From 2½ inch pots, fine plants, $25.00 per 1000.

JOHN SCOTT, KEAP STREET GREENHOUSES, BROOKLYN, N. Y.

Mention the Florists' Exchange when writing.

Fern Spores

Extra large packet of fresh Spores. Best varieties assorted, sufficient for 3000 or more plants, $1.00. **Collection** of 12 best varieties, each separate, $5.00.

E. C. McFADDEN, Short Hills, N. J.

Mention the Florists' Exchange when writing

TELEPHONE, 108, SHORT HILLS

EMERSON C. McFADDEN
UNITED STATES EXOTIC NURSERIES
SHORT HILLS, N. J.

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Mention the Florists' Exchange when writing

AZALEAS - PALMS - - NEW PLANTS BAY TREES } **SANDER** BRUGES, **BELGIUM.**

The largest and finest stock on the Continent.

A. DIMMOCK, our representative, is now in the U. S. and will be pleased to reply to any communications addressed to 60 Vesey Street, New York. Lists on application.

Mention the Florists' Exchange when writing.

Commercial Violet Culture

Price, $1.50 Per Copy.

THE LARGEST IMPORTATION OF BAY TREES



Standards and Pyramids

EVER OFFERED IN AMERICA

This stock has been most carefully selected and consists of the finest specimen trees, which cannot be surpassed for outdoor decorative purposes. Write for prices.

OUR STOCK OF

PALMS and ORCHIDS

Contains the varieties you can use most profitably.



JULIUS ROEHRS, Carlton Hill, N.J.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO., LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

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Special positions extra.
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Orders from unknown parties must be accompanied by cash or satisfactory references.

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Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

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Firms Who Are Building.

TORONTO, ONT.—The North Toronto Floral Company is enlarging its present rose-growing capacity by three new houses, each 150 feet in length.

NASHUA, N. H.—George E. Buxton is building a greenhouse, 125x20 feet. He will make a specialty of carnations.

WILKES-BARRE, PA.—Ira. G. Marvin has built a new greenhouse near Oaklawn and Hanover cemeteries for the convenience of his patrons.

CHANGES IN BUSINESS.

HARTFORD, CONN.—George G. McClunie has opened a new store at 77 Pratt street.

NEWPORT, R. I.—Messrs. Wadley & Smith have rented a store off the Casino entrance for the season.

STONINGTON, MASS.—Dennis Lamb has sold out his interest in the greenhouse business to his partner, Walter Mathews.

NEWARK, N. J.—Julius Gerlach, of the florist firm of Bergerow & Gerlach, has sold to his partner, August Bergerow, his interest in the building and business at 946 Broad street. The firm had been in business since 1872. August Begerow will continue it under the same name as heretofore, receiving all monies due to and liquidating all indebtedness of the former concern.

The Phalaenopsis at Home.

It may be of interest to growers to know under what conditions the phalænopsis grow best in their native land, so that a method of cultivation which will suit them best may be afforded. Newly imported plants are the best for cultivation. It is often the case that plants, which succeed well with one grower, will give an entirely different result if transferred to another place, and from this standpoint I prefer fresh imported stock.

In order to give the grower a proper idea of the climatic conditions of the Philippine Islands, I think it best to describe the situation of same. These islands extend from the 5th to the 18th degree northern latitude; they are bordered on the east by the North Pacific and on the west by the China Sea, being visited by northeast winds from October till May, and by southwest winds from May till October. Both winds carry rain with them, which reaches the parts of the islands nearest to them. While one side has rain, the other is absolutely dry. The limit of these rains is the mountains which traverse the islands from south to north; but it would not be right to think that the rains do not pass this limit, all depending on the force of the wind. Through these circumstances the mountains have a continuous moisture, more or less, according to the winds; and in the valleys of this region grow the phalænopsis. I do not want to say that it pours continuously in these valleys, although it happens that during a typhoon the rain will last for 14 days. Otherwise rain is about the same as in Europe, only that the rainy period is steady for a few months. There are also very hot days, oftentimes weeks, without any rain whatever.

To speak again of phalænopsis, I will say that these plants are found especially on the driest places, and only grow on the highest branches, where the winds and the sun rays can strike them best; on low branches and on the lower stems of the trees phalænopsis are rarely found. The want of air and light and too much moisture soon kill the plants in such places, and on this account few large plants are to be found. Plants which are too low, or in places overgrown with creepers, etc., soon die. Air and light are the principal conditions for the welfare of the phalænopsis. Bees and other insects carry the seed from tree to tree, and there is a constant vegetation. The period of rest seems to be only a short time after blooming. All plants are strong, the weaker plants seeming to be overgrown by stronger ones.

We will consider now the transferring of the plants from the woods to the greenhouse, the collecting and establishing before the plants come into the hands of the grower. During this period plants suffer greatly. Phalænopsis rarely, or rather never, are troubled by insects or scales in their native habitat, but if a collector does not look after the plants while they are in the hands of the natives the buyer will not get any healthy ones and experience more trouble than the whole business is worth.

There are especially two insects from which phalænopsis suffer terribly; one is a red fly that deposits her eggs in the leaves or the heart, and the other is a scale, which is on the wood to which the phalænopsis are tied.

The presence of the red fly is easily discovered. The leaves look as if punched with fine needles; they get pale, and the whole plant becomes poorer and poorer. Plants infested with these flies should be brought to the light and dipped into hot water every day till all the flies are dead. Scales must be carefully washed off.

Phalænopsis Sanderiana is often attacked with a trouble when it comes from the woods. The leaves show small holes. It seems as if a butterfly deposits its eggs into the leaves, and after a time a worm comes out. It is the best to cut off all such leaves. The plant does not suffer at all as long as there are healthy roots on it.

A grower cannot be careful enough in inspecting newly imported plants before they are potted, as it is absolutely necessary to have clean stock, if good results are expected.

The following kinds are considered the best for cut flowers: P. Schilleriana, P. Stuartiana, P. amabilis and P. Sanderiana, of which the latter variety is the most tender.—Translated for the FLORISTS' EXCHANGE from Möllers' Deutsche Gärtner-Zeitung.

The Paris Exposition.

Quite a number of the trade is visiting the Paris Exposition this year; and, as from inquiries already received at this office, there is a desire to know the locations of the principal horticultural establishments within easy access of the French capital, we asked our Paris correspondent to furnish us with a list of these. It is presented herewith, for the benefit of all concerned.

In Paris and towns adjacent thereto: Messrs. Vilmorin Andrieux et Cie., seedsmen, 4 Quai de la Mégisserie, Paris. Their trial grounds in and near Paris are of exceptional interest.

Dupanloup et Cie. (Pinnes et Larigaldie, successors), 14 Quai de la Mégisserie, Paris, with trial grounds at Sarcelles (S. et O.)

J. C. Tissot, 31 Rue des Bourdonnais, Paris, has a general assortment of horticultural implements.

There are numerous nurseries outside of Paris, but not any very large one in the city itself. Among those located near the city is the establishment at Bourg-la-Reine (reached by train from Luxembourg Station), of Bruneau, who grows fruit trees and ornamentals.

At Chatenay-les-Sceaux (by train from Luxembourg Station, stop at Sceaux-Robinson Station), Croux et fils and Paillet et fils, both large nurserymen.

At Vitry-sur-Seine (by tramway or cab from Paris), Honoré Defresne, nurseryman; H. Grandorge, Souchet and A. Roux, large growers of lilacs, roses, viburnums, etc.

For Versailles leave from Montparnasse Station (30 minutes) or St. Lazare Station (40 minutes), Duval et fils, Rue de l'Ermitage, and A. Truffaut, Rue des Chantiers, both large growers of stove and greenhouse plants. M. Moser, Rue Saint Symphorien, has large outdoor nurseries.

At Gennevilleris, reached by tramway or cab from Paris, are located A. Rothberg, with large outdoor nurseries, and A. Serveau, an extensive grower of plants for markets.

Neuilly-sur-Seine can be reached by tramway or cab from Paris. Here is located J. Sallier, at 9 Rue Delaizement. This is the best nursery for new and rare stove and greenhouse plants. Ask him for the location of other interesting nurseries in the vicinity.

At Vincennes, reached by train from Bastille Station, is Gentilhommie, in Rue de la Maladrerie; has a special nursery for ericas, etc.

Montreuil sous Bois is near Vincennes. Here is located Tavernier, at Bard de l'Hotel de Ville; he grows ericas, etc.

For orchids, see, in Paris, Beranek, at 36 Rue de Babylone. He is a large orchid importer, speaks good English and German, and can give lots of information to visitors regarding French growers of this class of plants.

For horticulturists going to Belgium from Paris it would be interesting to visit, on the north railway, at Lille (three hours from Paris,) the establishment of Van den Heede, nurseryman, 1 Rue du Fabourg de Roubais; also that of Mulnard, nurseryman. Ask this gentleman for others. At Wattrelos, from Tourcoing Station, Delmasure et Cie.; at Tourcoing, Willem Hippolyte; at Bailleul, Anatole Cordonnier, and at Steenwercke, Dentries frères. Lille, Wattrelos, Tourcoing, Bailleul and Steenwercke are in the same district.

I give below names of the principal nurseries in the country, from two to six hours' ride from Paris. I do not give those of Lyon, and the very far south, neither those of Ussy, which is very difficult to reach:

Orleans is two hours' ride from Paris, by express train. The best places here to see young nursery stock are those of Barbier et Cie., Levavasseur et fil, Desfossés-Bhuillier and J. Gouchault, all on Route d' Olivet.

At Tours, which is four hours' ride from Paris, among growers of pelargoniums and like plants, are Hubert Gautier, at Rue de l' Hospitalite; Barillet, Rue des Œcacias; Rousseau-Bardet, Rue du Colombier.

In Angers, which is five hours' ride from Paris by express, are Ch. Detriche aîné, Rue des Ponts de Ce; Victor Detriche aîne, at Rue des Pont de Ce; Louis Leroy, Rue du Grand Jardin; Brault et fils, Rue Letenduert. Ask one or other of these parties for indoor nurserymen in same place.

Nantes is six hours from Paris. Among growers of camellias and New Zealand plants at this place are: H. Guichard, nurseryman, at Rue de la Pelleterie; Becigneul, Clethras et Jaunil, Lefevre frères and Lozé frères, nurserymen, all on Rue des Hts., Tavés.

Orleans, Tours, Angers, Nantes, can be reached by same railway from Orleans Station in Paris. E. T.

OBITUARY.

David Ward.

Mr. David Ward, a pioneer lumberman of Michigan, father of Mr. C. W. Ward, of Queens, N. Y., died at his home in Pontiac, Mich., on Tuesday, May 29. Mr. Ward, who had been ill for several weeks, was identified since 1850 with leading enterprises, chiefly in the line of lumbering and pine land development and speculation. He was a native of New York, and entirely self-made, being at the time of his death a multi-millionaire. The deceased gentleman was well-known to many in the florist trade who had met him at the home of Mr. C. W. Ward, and who have pleasant recollections of his kindly, affable and genial disposition.

William Sibson.

William Sibson, florist, Utica, N. Y., died last week, after a six days' illness of pneumonia. Deceased was born in that city in 1852. After receiving his school education he entered the florist business. Mr. Sibson was of a kind and benevolent disposition, and generous to a fault. One brother and two sisters survive him. The Utica florists, at a meeting held in the store of C. F. Baker & Son, passed suitable resolutions of condolence, which were ordered sent to the bereaved family.

Theodore Steiner.

Theodore Steiner, a florist of Decatur, Ill., died May 21 of injuries received in a runaway accident. Mr. Steiner was born in 1842 and came to America in 1871. He built up a large business.

Mrs. Peter Barker.

Mrs. Peter Barker died May 28 after a lingering illness. She leaves a husband and two children. Mr. Barker is well-known among the craft, and is manager at the greenhouses of Mr. C. N. Draper, Canton, Mass.

Hatton, Pa.

The wife of J. W. Miller died on the 17th, after a lingering illness. The funeral services were held on 19th, at Boiling Springs, in Otterbain U. P. Church. Mr. Miller and four children survive. They have the sympathy of the florists, in connection with many friends.

Our Three Prize Competitions.

FLORISTS' EXCHANGE now has three different prize competitions running, as follows:

A CHANCE FOR THE YOUNG MAN. The next competition closes June 7. For subject, etc., see page 522.

COMMERCIAL HOME GROUNDS. See full terms and conditions, page 500, issue of May 12; also page 548, issue of May 26. Intending competitors should apply at once for drawing paper, etc.

PHOTOGRAPHIC COMPETITION. That for May has closed. Competition for the month of June is now open. Full explanatory particulars of this contest, which runs through every month up to and including September next, will be sent on application.

We desire to call the earnest attention of our readers to the Prize Competitions recently inaugurated by this journal for the purpose of stimulating an interest in and a better knowledge of several sections of the industry it covers.

To have the most successful results there must be an active competition; the publishers have done their part in the premises, and they hope their readers will be sufficiently aroused to do the rest.



Insertion will be given in this column to all communications free from animus, but he opinions expressed do not necessarily reflect our own.

Present Status of the Florist Industry.

Editor Florists' Exchange.

I was greatly interested in the extracts given in last week's EXCHANGE from Professor Galloway's work concerning the census of the florists' trade in this country up to the present time, and naturally compared it at once with the Census Report of 1890, which we had to take as forming the best information obtainable up to that date. He estimates that there are now not less than 9,000 florists' establishments in the whole country. In some data I gathered together for your special Spring edition of 1895 (p. 406), I divided the century into four periods, and found that from 1800 to 1840 there were 37 new beginners; from 1850 to 1860, 141 was the number; from 1870 to 1880 it had increased to 1,311, while the fourth period, embracing from 1880 to 1890, the figures were 1,797. If Mr. Galloway's estimate, that there are now 9,000 florists' establishments, which does not look unreasonable, the fifth period that has elapsed since would indicate the extraordinary number of 4,341 new beginners in the decade, well on to double that found by the census taker 10 years ago for the whole period before. It seems to me, however, the professor is wrong somewhere, else the figures in the 1890 census were greatly over-estimated. For example, Mr. Galloway estimates the total number of square feet of glass among the 9,000 florists at 22,500,000, while the former census gave 4,659 firms with a total of 38,823,247 square feet of glass, or upwards of sixteen million more than Mr. Galloway's estimate at the present time.

Then again, in the total value, including houses, boilers and fixtures, Mr. Galloway gives $11,250,000 as the figure, while the census gave, for ten years ago, $38,355,722,43. It may be, however, that the former sum is not supposed to include the value of the land, while the census report may have included the value of buildings, land and contents.

His comparison of prices, undoubtedly the result of great labor, is unique to say the least, and places Chicago in quite a front rank. The carnation estimate per 100 looks on its face strange, when we take into consideration that prior, say, to 1894, but few of what one now call fancies were in existence, and no such prices obtained as those of the last two or three years. But, after all, the number of fancies sold, as compared to common or even standard kinds, is so small that perhaps figures do not lie. Still further, if the price he gives for averages in roses per year are really near the mark, it is no wonder we hear of vast buildings still going up.

EDGAR SANDERS.

Toronto.

Business continues good; nearly all the stores report a first-class demand for cut stock. The weather is still very dry and cool; in many places outside the city the ground is too dry for planting out violets, carnations, etc.

The Queen's Birthday, May 24, was a good day for most of the down town florists, the trade both in plants and cut flowers being exceptionally good.

Trade in bedding plants is now in full swing, and we who are in that line have but little time for rest. I am pleased to report that there is a decided improvement in prices this season, but even yet they are not what they should be to repay the grower for his time and trouble; twelve dozen annual plants in good order for 50 cents will not make the grower rich very rapidly.

Several of the boys are building again this season. Dale, Dunlop, Miller and the North Toronto Floral Co. are all making large additions, and several others are talking in the same strain.

T. M.

New York.

Market Notes.

The shortage of outdoor flowers for Decoration Day was quite noticeable in the vicinity of New York, and this had a tendency to make roses and carnations clear out well during the early part of the week.

The larger retail stores are not much affected by Memorial Day trade, being situated as they are in the central part of the city, and the day to them is nothing more than an ordinary one, so far as business is concerned.

Such stores, however, as are situated among the working population, or around the outskirts of the city, find this the heaviest business day of the year, though the class of flowers demanded is neeessarily of the cheaper grade.

There are still some producers who persist in holding back flowers and rushing in great accumulations on a holiday. On Wednesday a few such boxes arrived, but the trade of the day was over, and the flowers had to be sold at less than half what they would have brought had they been sent in on the previous day.

The demand for roses was the slowest with American Beauty. These have been draggy all the week. There are few specials as compared to the total number coming in, and their scarcity still makes it possible to hold the price at $3 per dozen for this grade. Bride and Bridesmaid have brought from $6 per 100 for the top, down to $1.50 for the poorest grades.

Gladioli are becoming more plentiful, and go at 5c. per spike. Scarlet paeonies are worth from 50c. to 75c. per dozen, though on Tuesday some of extra quality sold a little higher. White carnations and sweet peas were in greatest demand of any flowers for Memorial Day, and more of these could probably have been sold had they been obtainable. The carnations, when good, brought $2, and the peas of similar quality, $1 per dozen bunches. Thursday they could be bought 25 per cent. cheaper.

Cattleya Mossiæ are on hand, and sell at from 25c. to 35c. each. A limited number of C. gigas is also coming in from Julius Roehrs; these are of immense size and fetch 50c.

Pansies of very fine quality are being received, but there is practically no demand for them. Maidenhair fern is going slow, the best not reaching quite 75c. per 100, as it has been doing for some time past.

Jottings.

Hanft Bros. furnished a full-sized floral representation of a soldier standing with gun in hand and shield at his side for the recent dinner of the veterans of Duryee's Zouaves, which took place at the Sturtevant House. The piece when finished was perfect in detail, and drew crowds of admirers while on view in the firm's window.

Thomas W. Weathered sails to-day (Saturday), per S. S. Lucania, for his annual trip to England.

Cards are out announcing the annual fishing excursion of P. L. Bogart's employees. The date is set as July 11. Tickets are $1, including bait. The trip will be made on the steamer George Starr from her dock, at the foot of West 44th street.

At the wedding of Senator Clark's daughter on Monday, P. Bogart had the house decoration. On the tables at the dinner, orchids and lily of the valley were the only flowers used. The bridal bouquets were made and supplied by N. Christatos, corner of Sixth avenue and 58th street.

The Reception Committee of the Florists' Club met Monday afternoon, in the club rooms. The chairman, W. F. Sheridan, appointed sub-committees to inquire into particulars pertaining to carriage drives, etc., with instructions to report at the next meeting, which is to be held at 7 p. m. on the night of the regular club meeting. President O'Mara was present at the meeting.

Ernst G. Asmus is away on a fishing excursion.

Mr. Iida, of Suzuki & Iida, arrived in this city Friday, the 25th., to remain until October. Mr. Suzuki will sail, June 9, on the S. S. Etruria for England. He will visit London and the Paris Exposition, after which he will go to his home in Japan via the Suez Canal.

Latest advices from Japan point to a plentiful supply of fine longiflorum bulbs and a scarcity of the larger sizes of Lilium auratum.

James W. Withers is rejoicing over the advent of a little daughter on Saturday, May 26. Mother and baby are doing well.

The midsummer show of the American Rose Society takes place in the Eden Musee, June 12 to 14 next.

J. H. Small & Sons had a display of pond lilies and water effect in one of their windows last week.

J. A. Penman, who has had an attack of erysipelas for some time, and was improving gradually, is now in the Presbyterian Hospital suffering with an abcess on his foot.

Schoharie, N. Y.

C. Ford Hinman has left for Saratoga where he has taken a position with a florist and nurseryman.

Business Difficulties.

BOSTON, MASS.—Herbert E. Hartford, dealer in florists' supplies, is a petitioner in bankruptcy. Liabilities are $1,237.05, of which $100 is secured. There are no assets.

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Notes from Europe.

ANTHURIUM SCHERZERIANUM FOR CUT FLOWERS.

In search of new forms and colors in cut flowers, European growers have come to give a great deal of attention to anthuriums. In many nurseries this culture is developing into a specialty, which, in the course of a few years, as the many thousand seedlings mature, will require a considerable amount of glass. Both A. Andreanum and A. Scherzerianum offer a wonderful variety of flowers, but A. Andreanum is not free blooming enough to become a profitable cut flower producer, though it is worthy of a prominent place among choice decorative plants in private places.

The first A. Scherzerianum was imported some 40 years ago from Guatemala, and later also from Costa Rica. I think the first one to grow it in Europe was the late Van Houtte Père. During the 40 years' cultivation the type has been wonderfully improved; at first, for many years, by careful nursing, and of late more systematically by cross-fertilization. To judge from the astonishing results of the last 10 years' hybridizing the scope of this work seems as yet to be without limit, and one may well look for extraordinary improvements in the near future, for the crossing is now more than ever receiving the best attention of the devotees.

The former method of dividing the plants for propagation has been abolished by the up-to-date growers, excepting, of course, special varieties. The most rational way of multiplication is done by seed, raised through the cross-fertilization of selected varieties. Generally the flowers produce the pistils first, and the pollen only after the pistil is past usefulness—perhaps one reason why seed was so little used for propagation before. Only rarely does self-fertilization take place, and that only where the flowers are somewhat exposed to sunlight, in a rather dry atmosphere.

As is the case with nearly all other plants, judicious crossing is much the better way, and the sure way, to improvement. I don't think there is any other subject so well worth the closest attention of all florists in this respect. The seed, it is true, needs twelve months to ripen, and the seedlings three to four years, until they produce flowers enough to enter into the rank of profit makers; but the care and space which they require meanwhile are very little. As soon as ripe the seed—little scarlet berries—should be taken off, spread on pans and lightly pressed into the rather loose compost of leaf mould, or the like. Inside of a month they will germinate, and may then soon be pricked off into similar light and sandy soil. The future culture suggests itself, potting off into small pots, repotting, gradually giving heavier soil. After they have reached the age of three years they may be counted upon to produce cut flowers, and then need a little special, though not much attention.

To produce flowers freely the anthuriums require to be rather pot bound. Therefore, in order to have them in that state in Fall they should be reshifted in early Spring. Give them liberal rooting space and a strong open compost.

The Belgians use for anthuriums, as for almost everything, leaf mould, with in this special case a little sphagnum added. The English, fibrous loam with sand, lumps of peat and sphagnum; the Germans, leaf mould with an admixture of well decomposed manure, sphagnum and sand; the Italians, leaf mould and chestnut soil (decayed chestnut wood as found in the chestnut groves). Some will add charcoal, and all provide perfect drainage. One may well come to the conclusion that these plants are not hard to please, but they must have a soil, rich in plant food, which is capable of retaining moisture, and the pots must be thoroughly well drained. I think good turfy rose soil, from a pile of last year's compost, would be excellent. Don't break it up too fine, and in potting well divide the roots all through the pot. The plants should go into a warm, well-shaded house, and be kept rather close, well watered and syringed. As soon as they begin to root through they should be watered with manure water, at first twice a month, but later, and all through the Winter, once a week (much like a calla when pot bound). During the Summer the plants will have made four to five leaves, and perhaps one flower; but as toward October to November the leaf growth is gradually checked by the increased crowding of the roots, the flowers will from this time on begin to appear more freely, one from the base of each leaf. During the Winter months one or two new leaves may still be formed, and in all, the plant (of one shoot) will produce from October until May perhaps five flowers. Although these are produced successively they keep so long on the plant that three or four of them may be had together.

April or May is the time to reshift the plants again. They should be grown on in the way suggested above; the same method repeats itself one year after another. At no time is there any resting proper, and the growth of leaves and flowers never stops altogether. The plants become much more productive with age. After the fourth year they generally produce side shoots, each of which branches out again near its base. Thus, a plant of eight to ten years may have 10 to 12 leads, each producing its foliage and flowers like an independent subject, and therefore the flower-producing capacity increases much faster than the required bench space. With three or four-year-old plants a square foot of bench may produce 10 to 12 flowers, but with plants eight to ten years old double the number or more will be produced.

A Winter temperature of 58 to 60 degrees will be best. Raising the temperature above that means reduction of size of flowers, though it will probably increase the number.

Those who wish to start this specialty should procure a dozen or more specimen plants of good improved varieties of different colors and begin to hybridize; or else purchase seedlings of good parentage.

Undoubtedly a five or six-year-old plant would be a desirable Easter subject also, and I think they could be very profitably handled by getting four-year-old stock early in Spring, or the preceding Fall, and growing them on in the way described above. They should, the following Easter, be well furnished with fine, large, green leaves, and from six to ten large spathes. The good modern type carries its spathes on stems 20 to 30 inches long, well above the foliage, and the leaves also on stout upright stems. The plants are therefore of very neat appearance and good to handle about.

The flowers (spathes) of the best red varieties measure from 4 to 5 inches in width and up to 8 inches in length. A fine specimen of A. Scherzerianum var. Mundyanum, at the St. Albans Nurseries, has the following dimensions: Flower stalk, 26 inches; length of spathe, 9 inches; width, 4⅝ inches; spadix as uncurled, 7 inches. The fine specimen of the A. Scherzerianum var. President Carnot, of which K. J. Kuyk, Ghent, was kind enough to give me the photograph, has 150 leaves, each 14x5½ inches, and in full bloom has carried 20 and more flowers of a beautiful cerise. Mr. Kuyk writes me that when two weeks ago I asked him for a photo he had the plant put into a hothouse to bring out a few more flowers. Thus he explains the difference in size of the flowers shown. The two large ones on the left measure 8x5½ inches, and were full open before the plant was put into heat. The little plant to the right is a fair specimen of an improved variety as grown in quantities, and shows the habit of growth very well. This specimen is the only plant existing of Pres. Carnot, and is considered the finest of all A. Scherzerianums. Mr. Kuyk states that for seven years he has tried, but without success, to raise seed from this beautiful variety.

The original white type, A. Williamsii, has not yet been improved so much; one of the best whites, var. Duvivierianum (De Smet Duvivier) measures hardly more than 2½x3½ inches. The well-known A. S. v. Rothschildianum (Bergmann) freckled with red on creamy pink ground, is a little larger and more round in shape. The very fine "La France" (Duval), light pink, speckled red, faintly washed with purple, is 3½ inches wide by 4½ inches long, and one of the prettiest varieties. Some of the very dark red varieties are also rather small yet, but are such delightful contrasts to the other kinds that they are most desirable.

To show how very productive and interesting the hybridization is I may mention one such operation. The pollen of a fine red variety was put on the white (Duvivierianum). Only the flowers of two spadices were fertilized, and the seed (two to four to each berry) produced some 350 plants, nearly all decided improvements on the parents. About one-half of them have come red of different tones and forms, some exceedingly large (4x7 inches); one-quarter of the seedlings are pure white, in shape like the seed parent. The rest are of intermediate coloration; most of them light pink or cream colored and spotted with red. A curiosity, and quite pretty, is one of the seedlings having the base and apex of the spathe tinged green, the middle part being red. (A similar tinge of green distinguishes the A. Andreanum var. Sanderianum.)

May I still add a letter, which Mr. Louis De Smet, Ledeberg, Ghent, was kind enough to send me in reply to a few special questions. He is a recognized authority here on anthuriums, and needs no introduction to Americans who have visited Belgium.

For the Winter he recommends a temperature of from 50 to 60 degrees F. For potting soil three-quarter fibrous leaf mould, one-quarter sphagnum and a good drainage. For Winter flowering repot April to May; keep plants in active growth during Summer and keep them back a little in September and October. Push the plants along during November, December and January (evidently the higher temperature of 60 degrees F. has to be maintained for this purpose). The plants should be specially prepared for Winter forcing during the preceding year, as suggested above.

Plants four to five years old can produce per square meter (about 9 square feet) 100 flowers during the flowering season of about four months. Older plants can produce double that number. During Winter the large flowers sell (here in Europe) at $8 to $10 a 100, the small ones at $4 to $5 a 100; during Summer at 50 per cent. less.

To insure a good steady demand a good assortment of all the colors, from white to dark red, the freckled variety included, should be brought on the market.

Our aim in hybridizing is to produce flowers of round form, stiff and flat (not curled up), on strong, long foot-stalks. Any clear color or combination of clear colors is good.

Prices of plants vary according to varieties. The ordinary good A. Scherzerianum, four years old, which will produce four to five flowers, fetch about $20 a 100. Small flowered varieties fetch $10 a 100. The large flowered kinds do not produce flowers so freely as the smaller varieties.

T. E.



Anthurium Scherzerianum var. Pres. Carnot. Plant carried 20 open flowers.

Small Specimen same variety.

BRIEFS FOR BUSY FLORISTS.

CARNATIONS.—The young stock in the field is getting a good start this season, the copious rains of the last ten days being just the kind of weather suited to it when newly planted. Cultivate between the plants often enough to keep the soil open, but do not work close enough to the plants to disturb the young roots. If this is done more harm than good will result from the hoeing. Too severe pinching back should also be avoided during the early stages of growth; wait until four or five pairs of leaves are developed, then pinch the lead out with the finger and thumb, or cut it with a knife. This work can be done quicker and easier than by using both hands and pulling out the center. Go over the field occasionally and do the pinching as required and as indicated by the growth of the stock rather than have a set time every so often and pinch all together, whether they need it or not.

CHRYSANTHEMUMS.—Planting in the benches should be done as early as convenient, and they should be put in in blocks, so that when cutting commences the benches may be cleared in sections, and at once utilized for some other crop. Be careful about watering the newly-planted benches. After the first good watering give it rather sparingly until growth has fairly started. Overwatering when the plants are small is more often the cause of chrysanthemums being of poor quality than any other one thing; and especially must the watering be done with careful judgment if any shade be allowed on the glass. Cuttings may yet be taken, and they will make nice stock for pot plants, or to be grown to single stem flowers. Never allow the cuttings to wilt after being put in the sand. This can only be done by keeping them wet and shaded from the sun.

ROSES.—The end of the season is already in sight, and preparations for planting are under way. From the low values received for flowers that are not of good quality there is no reason why houses that are not throwing off good bloom should not be emptied at once, and the young stock put in its place as soon as possible. There will be a corresponding gain in time when the new plants begin to produce flowers in the Fall, so that what little is lost now will be made up that time. As a red rose, Liberty is to be planted extensively, and as this variety is so much ahead of Meteor, especially through the short days of the season, it will no doubt be the best selling red rose on the market. A few should be included wherever red roses are in demand. Unlike Meteor, Liberty does not require so much heat, and a rose house need not be specially piped for it. The temperature necessary to produce good Bride and Bridesmaid is also suitable for Liberty, and this, we believe, is one of the strongest points in its favor, especially to such growers as retail their own products and cannot afford to devote a whole house to red roses.

Among the Magazines.

More than a year ago the United States Government sent an expert geologist to the Philippines to investigate the material resources of those islands. In the June Scribner's Mr. George F. Becker will give some of the most important results of his investigations in regard to the mineral, industrial and agricultural wealth of the Philippines.

QUESTION BOX

(118) **Lily of the Valley in Frames.**—What is the best way to start lily of the valley in cold frames; clumps or pips, and how long after planting can a good crop be cut?—N. E. B.

—For lily of the valley in frames pips are the best. The length of time before they flower depends upon circumstances. For instance, in the forcing house the pips can be had in bloom in 21 days when a bottom heat of between 75 and 80 degrees is afforded. If in the frame, without artificial heat, and the pips were put in in November or December, they would be in bloom early in May. If hot beds were made in the frames, however, and strictly attended to in regard to regulating the heat, pips may be planted in March, April and May, and be brought into flower in from four to six weeks, requiring less time as the Spring advances.

(119) **Roses.**—We wish to bloom 1,000 roses the coming season in sandy, virgin, hardwood soil; no clay. Benches 6 inches deep. Can we make a success in this soil? How should they be handled? Plants are now in 2½ and 4-inch pots.—QUIZ.

—The soil mentioned we presume means the top soil from land that has been cleared from hardwood timber and has been under cultivation for some time. This, with the addition of about one-sixth well-rotted stable manure should make excellent rose soil. Five inches deep will answer as well as 6 inches for the benches, and as the soil is sandy, care must be taken to have it firm. We would prepare the benches and plant the stock right away; tread the soil down well before planting. After growth fairly starts give an occasional watering with liquid manure, say once in ten days, and keep it up right through the season. That is the best food for a light soil, and the roses will prove successful if its use is persisted in.



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(120) **Soot in Rose Culture.**—How is soot used in rose culture under glass? Is it mixed with the soil when first piled? If so, how much is used to a two-horse-load of soil? Or, is it put on the benches after the roses are planted? If so, how much to the square yard of bench surface and when should it be applied?—N. E. B.

—The use of soot in rose culture is not general, but when afforded with care it is a good fertilizer, and at the same time disagreeable to worms, snails and other soil pests. We would mix the soot with the pile of soil, using about a bushel to the load. It can also be employed with good results scattered over the surface of the soil after the roses are well started, using about a 4-inch potful to the square yard. This may be repeated two or three times during the season, and its good effects will be particularly noticed on the foliage, giving it a deep healthy green color.

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Roses	A. Beauty, fancy—special	15.00 to 25.00	20.00 to 25.00	20.00 to 40.00	.... to	18.00 to 25.00
	" extra	10.00 to 12.00	12.50 to 16.00	15.00 to 25.00	20.00 to 25.00	12.00 to 15.00
	" No. 1	4.00 to 6.00	6.00 to 8.00	8.00 to 15.00	12.00 to 16.00	6.00 to 10.00
	" Culls & ordinary	.50 to 3.00	2.00 to 5.00	4.00 to 10.00	4.00 to 8.00	.... to ....
	Bride, 'Maid, fancy—spc'l	5.00 to 6.00	6.00 to 10.00	3.00 to 8.00	.... to	2.00 to 8.00
	" extra	3.00 to 4.00	5.00 to 8.00	3.00 to 8.00	3.00 to 5.00	2.00 to 8.00
	" No. 1	2.00 to 3.00	4.00 to 6.00	.... to	3.00 to 5.00	.... to ....
	" No. 2	1.50 to 2.00	1.00 to 5.00	.... to	.... to	.... to ....
	K. A. Victoria	8.00 to 10.00	4.00 to 12.50	3.00 to 8.00	3.00 to 5.00	.... to ....
	La France	.... to	.... to	.... to	3.00 to 5.00	.... to ....
	Meteor	1.00 to 3.00	.... to	2.00 to 6.00	3.00 to 5.00	2.00 to 8.00
	Papa Gontier	.... to	.... to	.... to	.... to	.... to ....
	Perle	1.00 to 2.00	.... to	2.00 to 6.00	2.00 to 3.00	.... to ....
	Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
	Orchids—Cattleyas	25.00 to 35.00	.... to	35.00 to 50.00	.... to	.... to ....
	Cypripediums	.... to	.... to	15.00 to 20.00	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	25.00 to 35.00	.... to	.... to ....
Carnations	Inf'r grades, all colors	1.00 to 2.00	1.50 to 2.00	.... to	.50 to .60	.75 to 1.00
	Standard Varieties: White	1.00 to 2.00	2.00 to 2.50	1.00 to 1.50	.75 to 1.00	1.00 to 2.00
	Standard Varieties: Pink	1.00 to 2.00	2.00 to 2.50	1.00 to 1.50	.75 to 1.00	1.00 to 2.00
	Standard Varieties: Red	1.00 to 2.00	2.00 to 2.50	1.00 to 1.50	.75 to 1.00	1.00 to 2.00
	Standard Varieties: Yel.&Var.	1.00 to 2.00	2.00 to 2.50	1.00 to 1.50	.75 to 1.00	.... to ....
	*Fancy— (*The highest grades of standard var) White	2.50 to 3.50	.... to 3.00	1.50 to 2.00	1.25 to 3.00	2.00 to 3.00
	*Fancy— (*The highest grades of standard var) Pink	2.50 to 3.50	.... to 3.00	1.50 to 3.00	1.25 to 2.00	2.00 to 3.00
	*Fancy— (*The highest grades of standard var) Red	2.50 to 3.50	.... to 3.00	1.50 to 2.50	1.25 to 2.00	2.00 to 3.00
	*Fancy— (*The highest grades of standard var) Yel.&Var.	2.50 to 3.50	.... to 3.00	1.50 to 3.00	1.25 to 2.00	.... to ....
	Novelties	2.50 to 3.50	3.50 to 4.00	2.00 to 4.00	.... to	.... to ....
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	Daisies	.25 to .50	.... to	.50 to 1.00	.... to .30	.... to ....
	Hyacinths	.... to	.... to	.... to	.... to	.... to ....
	Lilies	5.00 to 6.00	6.00 to 8.00	2.00 to 10.00	.... to 8.00	6.00 to 8.00
	Lily of the Valley	1.50 to 2.00	1.50 to 2.50	3.00 to 4.00	.... to	.40 to 1.00
	Mignonette—ordinary	.25 to 1.00	1.00 to 2.00	.... to	.50 to .75	.... to 1.00
	Mignonette—fancy	1.00 to 2.00	.... to	.... to	.... to	.... to ....
	Narcissus	.... to	.... to	.... to	.... to	.... to ....
	Smilax	10.00 to 12.00	.... to	15.00 to 20.00	12.00 to 25.00	15.00 to 20.00
	Sweet Peas	.25 to 1.00	.75 to 1.00	.25 to .50	.30 to .50	.30 to .60
	Tulips	.... to .50	.... to	.... to	.... to	.... to ....
	Violets	.... to	.... to	.... to	.... to	.... to ....
	Violets, special	.... to	.... to	.... to	.... to	.... to ....

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Roses	A. BEAUTY, fancy—special	25.00—30.00	25.00—35.00	....—25.00	25.00—35.00	20.00—25.00	....—30.00
	" extra	18.00—20.00	12.50—20.00	....—15.00	15.00—18.00	12.00—15.00	....— ....
	" No. 1	10.00—15.00	8.00—10.00	....—10.00	10.00—12.50	8.00—10.00	....—10.00
	" Culls & ordinary	3.00— 8.00	4.00— 6.00	....— 5.00	4.00— 6.00	3.00— 5.00	....— 5.00
	Bride, Maid, fancy-spec'l	6.00— 8.00	3.00— 5.00	3.00— 4.00	4.00— 6.00	.... —	.... — ....
	" extra	4.00— 5.00	3.00— 5.00	3.00— 4.00	4.00— 6.00	2.00— 6.00	1.00— 8.00
	" No. 1	2.00— 3.00	....—	....—	....—	2.00— 6.00	1.00— 8.00
	" No. 2	....—	....—	....—	.... —	2.00— 4.00	1.00— 4.00
	K. A. Victoria	6.00—10.00	....—	....—	4.00— 6.00	2.00— 8.00	....— ....
	La France	5.00— 5.00	....—	....—	....—	....—	....— ....
	Meteor	4.00— 7.00	3.00— 5.00	2.00— 4.00	4.00— 6.00	2.00— 6.00	1.00— 8.00
	Papa Gontier	....—	....—	....—	....—	....—	....— ....
	Perle	3.00— 5.00	2.00— 3.00	2.00— 3.00	4.00— 5.00	2.00— 4.00	1.00— 4.00
	Souv. de Wootton	....—	....—	....—	....—	....—	1.00— 8.00
	ORCHIDS—Cattleyas	....—	....—	....—	....—	....—	....—25.00
	Cypripediums	....—	....—	....—	....—	....—	....— ....
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	Inf'r grades, all colors	1.00— 1.25	.... — .75	.... — .50	.... —	.50— 1.00	.... — .50
	STANDARD VARIETIES White	1.50— 1.75	1.00— 1.25	.75— 1.50	1.50— 2.00	.75— 1.00	1.00— 2.00
	STANDARD VARIETIES Pink	1.50— 2.00	1.00— 1.25	.50— 1.50	1.50— 2.00	1.00— 1.50	1.00— 2.00
	STANDARD VARIETIES Red	1.50— 2.00	1.00— 1.25	.50— 1.00	1.50— 2.00	1.00— 1.50	1.00— 2.00
	STANDARD VARIETIES Yel.&Var.	1.50— 2.00	1.00— 1.25	....	1.50— 2.00	1.00— 1.50	1.00— 2.00
	*FANCY— White	2.50— 3.00	1 50— 2.00	1.50— 2.00	2.00— 3.00	2.00— 2.50	....— 3.00
	*FANCY— (The highest grades of standard var) Pink	3.00— 4.00	1.50— 2.00	1.50— 2.00	3.00— 3.00	2.00— 2.50	....— 3.00
	*FANCY— (The highest grades of standard var) Red	3.00— 4.00	1.50— 2.00	1.75— 2.00	2.00— 3.00	2.00— 2.50	....— 3.00
	*FANCY— (The highest grades of standard var) Yel.&Var.	3.00— 4.00	1.50— 2.00	....	2.00— 3.00	....	....— 3.00
	NOVELTIES	....—	.... —	....—	.... —	.... —	.... — ....
	ADIANTUM	.75— 1.00	.75— 1.00	....— 1.00	....— 1.50	.75— 1.00	....— .75
	ASPARAGUS	40.00—50.00	....—	....—	.... —	35.00—50.00	....—50.00
	CALLAS	5.00— 8.00	....—	....—10.00	.... —	.... —	4.00— 7.00
	DAISIES	.50— 1.00	.25— .50	....—	....— .50	.50— 1.50	....— .25
	HYACINTHS	....—	.... —	.... —	.... —	.... —	.... — ....
	LILIES	8.00—10.00	6.00— 8.00	....—10.00	....—15.00	8.00—10.00	6.00— 6.00
	LILY OF THE VALLEY	3.00— 4.00	....—	3 00— 4.00	2.00— 3.0	2.00— 4.00	....— 2.00
	MIGNONETTE—ordinary	2.00— 3.00	....—	....—	.... —	.50— 1.00	....— 1.00
	MIGNONETTE— fancy	....—	....—	....—	.... —	1.00— 1.50	....— 3.00
	NARCISSUS	2.00— 3.00	....—	....—	....—	....—	.50— 1.50
	SMILAX	12.50—15.00	12.50—15.00	....—15.00	....—20.00	12.50—15.00	.... — ....
	SWEET PEAS	.40— .75	.35— .50	.50— 1.00	....— 1.00	.25— .75	.50— 1.50
	TULIPS	2.00— 3.00	....—	....—	.... —	.... —	.50— 2.00
	VIOLETS	....—	....—	....—	.... —	.... —	.... — ....
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All above 2½ inch pot stock.

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Fine stock, 2½ in. pots, $2.00 per 100; $17.50 per 1000.

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Including one American, $2.00, worth $4.00. Cash, please.

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150 PERLES

2½ Inch Pots, $2.50 per 100. Cash.

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Bridesmaid, 3 in. pots	5.00
" 2½ in. pots	3.00
Bride, 3 in. pots	5.00
" 2½ in. pots	3.00
Perle, 3 in. pots	5.00
" 2½ in. pots	3.00
Meteor, 3 in. pots	5.00
" 2½ pots	3.00
Golden Gate, 2½ in. pots	3.50

CARNATIONS Rooted Cuttings

	Per 100	Per 1000
America	$2.00	$15.00
Melba	2.00	15.00
Gov. Griggs	2.00	15.00
Leslie Paul	2.00	15.00
Gold Nugget	1.00	7.50
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I have still left a few thousand in 2 inch pots, in splendid condition.

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Strictly first class stock out of 2½ inch pots.

BRIDES and' MAIDS 3 Inch.

Also extra strong plants of AMERICAN BEAUTY, 3 and 4 inch pots.

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A large list of the best new and leading standard varieties. Strong, healthy, vigorous plants from 2 to 2½ inch pots. There are none better; most of our customers tell us there are none so good. Send for complete list.

The Following CARNATION PLANTS

Still left. Genevieve Lord, from sand, grand stock. $10.00 per 100; $75.00 per 1000. America, Gomez and Maceo, $5.00 per 100. Joost, Pingree, $2.50 per 100. Gold Nugget, $3.00 per 100.

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2½ inch stock, $3.50 per 100; $30.00 per 1000.

A1 STOCK. BEST IN MARKET.

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Farquhar Violets Strong plants from 2½ inch pots, $3.00 per 100 $25.00 per 1000. Cash with order. Rooted cuttings all sold.
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Carnation Cuttings All Sold.
Have a Few
LADY CAMPBELL
Sand Struck Cuttings,
$5.00 per 1000
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VIOLETS We still have plenty of Lady Campbell and Swanley White, rooted cuttings $6.00 per 1000; 2¼ in. pots, of all varieties, ready about June 10th.
GERANIUMS, S. A. Nutt and Brianth, $7.00 per 100 with, and $6.00 per 100 without, pots. Mme. Salerol, 3 in., $3.50 per 100
CANNAS, Star of '91, like Bouvier, also a mixed lot of Florence Vaughan, Burbank, Austria, Egendale, Cabos, etc., at $8.00 per 100.
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ROOTED CUTTINGS
New Imperial Violet
From 2-inch pots; $3 per 100; $25 per 1000.
Satisfaction Guaranteed.
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POTTED VIOLET CUTTINGS
Farquhar .....per 1000, **$20.00**
Lady Campbell ..... " " **15.00**
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Clean of all diseases and guaranteed pure stock.
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PANSIES Second to none, $1.50 per 100. **Victoria Forget-me-nots,** ready for 4 in. pots, $4.00 per 100.
Asters, in pots, $1.00 per 100. Victoria and Truffauts, mixed; Semple's, 5 colors; Giant Comet, 4 colors.
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Small plants all sold.
Now left but flowering plants from field, at $2.00 per 100, and up.
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Indianapolis.

The past season taken all in all has been very satisfactory to the florist's trade, and the seedsmen report a good business right along. The past two weeks have been the dullest of the busy season, but with Decoration Day and the commencements a few weeks of good business may be expected. The weather is very favorable for growing now after a few good rains; however, it looked very bad a week ago, as it was getting seriously dry.

A recent visit of the writer to the Indiana Flower & Plant Co.'s place showed progressive work to repair the damage done by the late fire—a larger shed between the houses, a separate room for two large boilers, of which one is now in position, the beginning of several large houses, which in time will be extended, are the improvements. Mr. Hasselman, the owner, has a "cinch" on a good gas supply, as long as this valuable article holds out. All other concerns had to fall back on coal last Winter, partly on account of the gas company refusing to furnish gas, partly on account of the short supply.

Besides some rebuilding of smaller houses a few new greenhouses will be erected this Summer: John Heidenreich, one house, 20x100 feet; Bertermann's rebuild, 16x112 feet; John Grande, new house, 10x110 feet, etc.

George Wiegand has taken a two-weeks' vacation to West Baden Springs, Ind.

William G. Bertermann has returned from North Carolina and Florida in much better health, but to be doubly sure he will take a trip to Europe, staying very likely at Wiesbaden, Germany, for several months. He will not attend the Paris Exposition, but will try to be in time for the store florists' competition in the Palmgarten, Frankfurt, Germany, June 22 to 24. He will leave on steamer "Barbarrassa" June 7. He reports having had a delightful, quiet time in the mountains of North Carolina. Ashville, he considers an ideal place for recuperation, not aloue for lung diseases, but all stomach and nervous troubles. Biltmore, Vanderbilt's estate, is getting to be a beautiful place, and at this time of year is incomparable. A few weeks on the east coast of Florida during February and March were delightful. There is a good opening for a florist on this coast, especially at Daytona.

Speaking about North Carolina the movement for a great national park about the Blue Ridge and Apallachian range of mountains is taking shape, and should by all means be encouraged throughout the Middle and Eastern States.

Alfred Pahud and danghter will leave on steamer "La Quitaine" for the Paris Exposition on June 28.

During a recent visit of the writer to Cincinnati he visited Mr. Witterstaetter's place to see the famous Enquirer carnation; it was a little late for good flowers, but there were still some stunners on the plants. It is an ideal flower.

J. A. Peterson was busy getting in his new store. He is one of the most progressive members of our craft in Cincinnati, holding up to some extent the former reputation of the Queen of the West. W. B.

Waycross, Ga.

A local paper says: "The Good & Reese Co., of Springfield, Ohio, is experimenting in floriculture throughout the South. They have shipped assortments of 1,000 rose bushes to South Carolina, North Georgia, South Georgia and North Alabama. After a thorough test the section proving to be the best adapted for raising the flowers will be selected for the establishment of a large nursery and greenhouses. Waycross has been chosen as one of the experiment stations, and S. F. Hoskinson has received a shipment of 1,000 assorted roses."

Oceanic, N. J.

A very animated meeting of the Monmouth County Horticultural Society took place at the Red Men's Hall last week. Dr. W. S. Whitmore delivered an excellent address on the cultivation of flowers, their influence upon society and the benefit to gardeners. A lively debate took place, in which the president, H. A. Kettel, Professor Herbert Walling, Whit. Williams, Mrs. V. A. Legier, Miss Jenny Brill and others took part.

B.

Newport, R. I.

The third annual rose and strawberry Show, by the Newport Horticultural Society, is to be held at Masonic Hall, June 19 and 20. The schedule, consisting of 42 classes, is practically a duplication of that of last year; as is the schedule for the ninth annual Fall show which has also been issued. Copies of either can be had by addressing the secretary, Robert Johnston, Hallidon Hill.

Wadley & Smythe are to open their store on Bellvue avenue June 1.

Siebrecht & Son have rented the Paran Stevens' greenhouses, and not Messrs. Swadley & Smythe, as was reported previously.

At the J. J. Van Alen greenhouses a fine lot of Cattleya gigas has just been received from Messrs. Lager & Hurrell, and a nondescript collection of orchids from South Africa, where Mr. Van Alen is at present traveling. The rose houses here have been recently planted with all the new and best varieties, almost all grafted stock, and are doing remarkably well.

"Bobs" is the appropriate name given to a new canna of the Crozy type raised by Mr. Gardner. The most remarkable thing about the plant is its dwarfness, never exceeding 2 feet in height, yet with stem, foliage and spikes that can only be described as robust; the individual flowers being large, the petals measuring 2½ inches by 1½ inches broad. The color is a bright scarlet bordered irregularly with gold. The fibrous begonias are as popular as ever with Mr. Van Alen, and are being used in immense quantities on his grounds. MAC.

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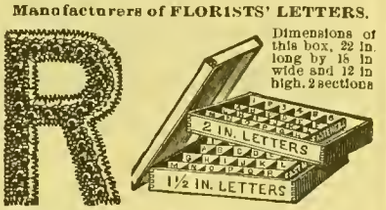

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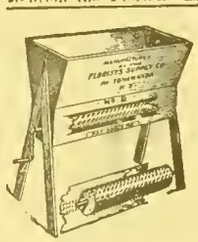

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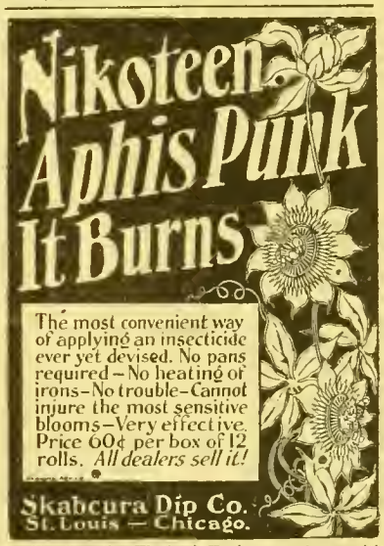

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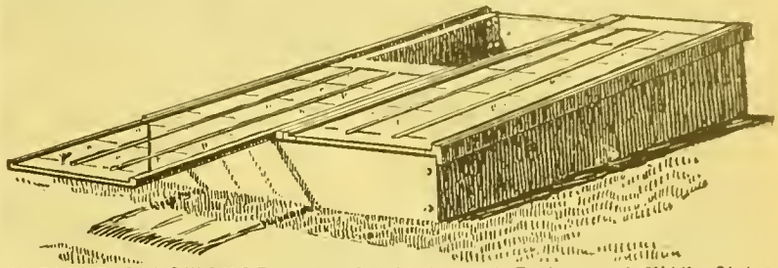

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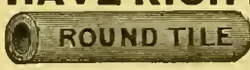

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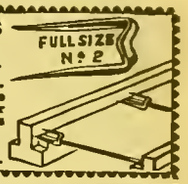

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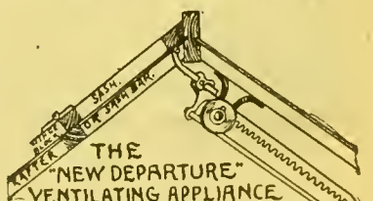

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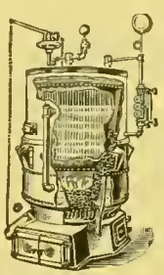

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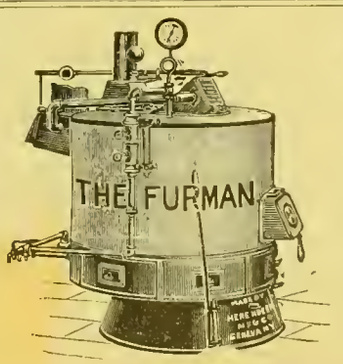

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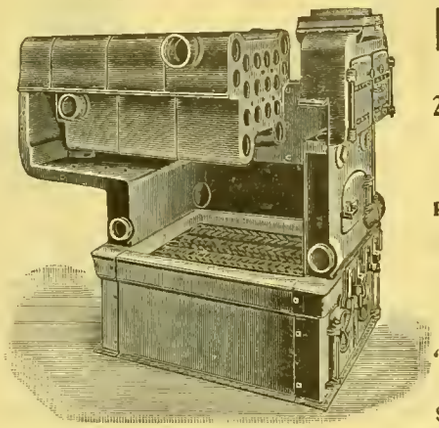

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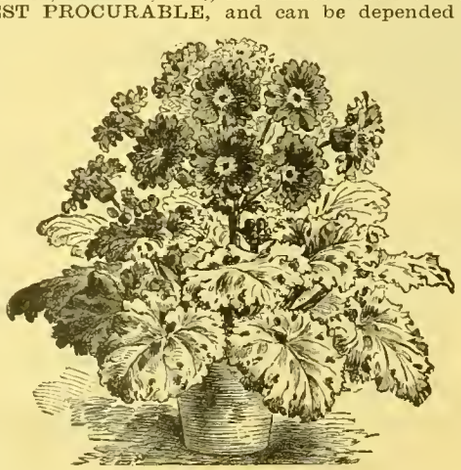

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NEW YORK SPINELESS EGG PLANTS Fine stocky plants, in 3 inch pots, $3 00 per 100; $25.00 per 1000.

BEGONIA REX PLANTS Named sorts, in 2½ inch pots, just ready for a shift, 70 cts. per doz.; $5.00 per 100.

Write for quotations on WHITE ROMAN HYACINTHS, PAPER WHITE NARCISSUS and DUTCH BULBS.

JOHNSON & STOKES, 217 and 219 Market St., Phila., Pa.

Mention the Florists' Exchange when writing.

R. VAN DER SCHOOT & SON,

Wholesale Bulb Growers,

HILLEGOM, - - HOLLAND.

Our bulb stocks, now covering an area of over 150 acres, are by far the largest in Holland.

Established 1830.

Mention the Florists' Exchange when writing.

Danish Cauliflower Seed

Early Dwarf Danish Snowstorm, selected up and grown h the leading specialist of Denmark. Alway uniform; fine large white heads, early. No better seed offered at any price.

One Quality Only. The Best.
$2.50 Per Ounce. Per Ounce, $2.50.

A. E. WOHLERT, Importer, Altoona, Pa.

Mention the Florists' Exchange when writing.

TUBEROSES

THE PEARL.

Al Bulbs, $5.50 per 1000; 5000 at $25.00.

Free on cars, New York City.

No. 2, $3.00 per 1000. 500 at 1000 rate.

HULSEBOSCH BROS., Englewood, N. J.

Mention the Florists' Exchange when writing.

CALADIUM ESCULENTUM

(Elephants Ear).

-6 inches circumference.... ...per 100,		$0.75
-9 " " ..... "		1.25
-10 " " ..... "		2.50
Tuberoses, Pearl, 4-6 inch.... "		.50

H. G. FAUST & CO. 61 & 66 N. Front St. PHILA., PA.

Mention the Florists' Exchange when writing.

IMPORTANT

Before ordering any goods anywhere send in your list of wants for lowest GUARANTEED prices.

F. W. O. SCHMITZ, Jersey City, N. J.

Mention the Florists' Exchange when writing.

COX SEED CO.

Wholesale Seedsmen

14 & 16 Ninth Ave., 411, 413, 415 Sansome St.

NEW YORK. SAN FRANCISCO.

Mention the Florists' Exchange when writing.

ESTABLISHED 1802

THORBURN'S SEEDS

FLORISTS ARE INVITED

to send for our quotations on

FORCING BULBS
ROMAN HYACINTHS
LILIUM HARRISII
LILIUM LONGIFLORUM
Etc., Etc.

We are large importers of High Class Bulbs

J. M. THORBURN & CO.

Sole of 15 John Street

36 CORTLANDT STREET, NEW YORK

Mention the Florists' Exchange when writing.

ASTER COSMOS PANSY SALVIA ZINNIA

BEANS CLOVER GRASS ONIONS PARSNIP

SEED TRADE REPORT

Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Chicago, Ill., President; ALBERT McCULLOUGH, Cincinnati, First Vice-President; F. W. BOLGIANO, Washington, Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

The American Seed Trade Association holds its annual meeting in Chicago, at the Grand Pacific Hotel, June 12-14. An interesting program has been prepared.

European Notes.

Except for a little milder weather and a few showers there is no change of any importance to record. The Temple Show of the Royal Horticultural Society has taken us all to London this week. A brief reivew of items interesting to seedsmen shall follow by next mail.

E. G. Hill was present from your side, and everybody in Europe that is anybody was also in evidence.

EUROPEAN SEEDS.

Firms Who Are Building.

HARTFORD, CONN.—Newell Osborn will build a greenhouse here.

WETHERSFIELD, CONN.—Arthur J. Pike is erecting a greenhouse, 100x20 feet, for carnations.

SPOKANE, WASH.—Hoyt Bros. are building a large greenhouse for the raising of plants and vegetables.

CALIFORNIAN SEEDS

Contract Prices for 1900 Harvest on Application.

WHOLESALE ONLY.

PERRY WATSON & CO.,

SACRAMENTO, CAL.

Mention the Florists' Exchange when writing.

NOW READY!

OUR IMPORT BULB LIST A complete catalogue of Full Bulbs of Best Quality, Lilies, Hyacinths, Tulips, Etc. Send for a copy.

PRIMULA

VAUGHAN'S INTERNATIONAL.

Best strain for florists, includes Giants, Fern Leaved, Blue, etc., besides best Reds, Pinks and Whites, pkt., 350 seeds, 50 cts.; 5 pkts., 1750 seeds, $2.25.

SEPARATE SHADES:
GIANT PINK
GIANT PURE WHITE
CHISWICK RED
SKY BLUE
Trade Packet, 50 Cents.

OBCONICA GRANDIFLORA, trade pkt., 25c.

CINERARIA.

VAUGHAN'S INTERNATIONAL. Choicest French, English and German strains, perfect in form and substance of flowers and habit of plants, trade pkt., 1000 seeds, 50c.

TO CLOSE OUT!

TUBEROSES Hallock Strain, Extra Dwarf Pearl, No. 1, $6.00 per 1000; Mammoth, 6 to 8 inch, $9 00.

CALADIUM ESCULENTUM.

Clean, sound bulbs, 5-7 in., $2.50; 7-9 in., $4.00; 9-12 in., $7.00. Lots of 250 at 10 per cent. lower.

New York—VAUGHAN'S SEED STORE—Chicago

14 Barclay St. 84 & 86 Randolph St.

Mention the Florists' Exchange when writing.

ROSES FOR SALE

The following varieties, from 2 inch pots, $3.00 per 100; $25.00 per 1000.

Merville Graham,	Queen's Scarlet,	Perle des Jardins,
Blanche Moreau,	Queen,	Crimson Globe,
La France,	Mme. Schwaller.	Lavigata,
Souv. de Jeanne Cabaud,	Antoine Verdier,	Henry Martin,
Capt. Christy,	H. M. Stanley,	Gen. Rob't E. Lee,
Malmaison,	Maman Cochet,	Catharine Mermet,
Mrs. Degraw,	Mme. Abel Chatenay,	Mme. Cecil Brunner,
Bon Silene,	Pink Daily,	Beauty of Stapleford,
Coquette de Lyon,	White Maman Cochet,	Princess Adelaide,
Mme. F. Kruger,	La Princess Vera,	Little White Pet,
Marie Van Houtte,	Champion of the World,	Hon. Geo. Bancroft.

The following varieties, from 2 inch pots, $3.00 per 100; $25.00 per 1000. Also from 3 and 4 inch pots, $8.00 per 100; $70.00 per 1000.

Lamarque,	Mary Washington,	Parquarette,
Marechal Niel,	Child's Jewel,	Snowflake,
Golden Gate,	Countess Riza du Parc,	Hallowe'en,
Niphetos,	Duchesse de Brabant,	Highland Mary,
Bride,	Meteor,	Marie Guillot,
Climbing Meteor,	Sombreuil,	George Pernet,
Mosella,	Mignonette,	Bridesmaid,
White La France,		Glory de Polyantha.

The following varieties, from 4 inch pots only, $8.00 per 100; $70.00 per 1000.

Celine Forestier,	Pearl d'Or,	Mme. Caroline Testout,
Rainbow,		White Pearl of the Garden.

CLIMBING KAISERIN AUGUSTA VICTORIA, 3 inch pots...$10.00 per 100.
AMERICAN BEAUTY, 3 inch pots..... 10.00 "

GERANIUMS, in variety, 3 and 4 inch.....$6.00 per 100.
VINCA VARIEGATA, very low, order quick..... 6.00 "

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Mention the Florists' Exchange when writing.

St. Paul.

Trade News.

Decoration Day trade beat all records, and was nearly equal in volume to Christmas. Everything sold well, though the increased demand for cut flowers was more noticeable than for plants. The supply of home-grown stock was wholly inadequate for the demand, thousands of flowers being shipped in from Chicago and other points. Outside grown stock was very scarce, lilacs and snowballs being all gone, lily of the valley ruined by heat and drought, and pæonies not yet in blossom. Cape jasmines from Texas helped out in making wreaths and other designs, and prevented a dearth of flowers.

In the city the greatest demand was for blooming plants, but for the country cut flowers took the lead. Retail prices for good stock were slightly advanced.

Decorations in the cemeteries were more numerous and elaborate than ever before. The school children were asked to contribute cut flowers for the soldiers' graves, while the Grand Army Posts remembered their dead by placing garlands of green on the mounds.

The demand for all bedding stock has been very heavy this season, and there is a noticeable scarcity of good stock. Choice geraniums cannot be had at any price. Values have been better than for several years, and the growers are all feeling better.

Jottings.

The prevailing topic for talk is our severe drought, the like of which has never been known before. The rainfall for the month of May was less than one-half inch, or about one-tenth of the average rainfall for the month in this vicinity. With such conditions prevailing vegetation has suffered severely, and outside stock makes but slow headway.

On May 13 we were visited by a hailstorm of a few moments' duration, but in that time it did considerable damage. May & Co. lost over 1,500 square feet; Christ Hansen, about 1,000, and the Warrendale Floral Co., about 800.

A recent visit to R. C. Seeger's establishment, on Gorman avenue, found that gentleman head-over-heels in work. He has extended his three old houses to 200 feet in length, and is preparing to erect four new ones of the same length, three of them to be 14 feet in width and the other 8 feet. He is an ardent advocate of the short span to the south, and is erecting most of his houses on that plan, giving them a high gable. Square solid rafters and 14x16 butted glass are employed. Two benches are placed in the middle and a narrow one on the north side. Roses, carnations and violets will be the flowers grown. In roses, Liberty, Meteor, Bridesmaid, Bride and Beauty will be grown for Winter; Carnot, Testout and Meteor for Summer. A bloom from a Liberty plant, grown in a 3-inch pot, shows the wonderful possibilities of this new variety. The flower is large, well formed and fragrant; the petals thick, leathery and of excellent keeping qualities; the plant a clean, strong, robust grower. We consider it a decided acquisition to our list of forcing roses. Mr. Seeger's plant, when completed, will contain 21,000 square feet, and will be one of the best equipped ranges for growing cut flowers in the city.

The Elks' Carnival, to be held here from June 18 to 28, will undoubtedly help trade in general, though it may not fill the coffers directly. VERITAS.

Philadelphia.

Market News.

The chief topic of interest to the trade this week has been the large number of weddings that have taken place. There were some on nearly every day, but Wednesday was the banner day, when over 18 of prominence took place. Nearly all the stores felt this rush. Some of the more prominent ones were very busy; but at this time of the year flowers are so pentiful that a rush is not noticed in the wholesale market. The chief run this week was on Beauty and sweet peas. The wholesale market is stocked up with flowers, the supply exceeding the demand. Among roses Beauty only is a good seller, the choicest flowers bringing $3 per dozen. Sweet peas are going fairly well, the outdoor flowers having the preference if choice stock, in bright colors, selling at 50c. per 100. Carnations move very slowly. There is a large quantity of outdoor stock now on the market of pæonies, coreopsis and cornflowers, all of which go slow. Pæonies are quite a glut; the best can be bought at $1 to $1.50 per 100.

Shipping business to other cities has been very good. S. S. Pennock had 60 packages on Tuesday for one express company.

Florists' Club.

The meeting on Tuesday last was only fairly attended. Wm. J. Stewart's paper was a good one, and was greatly appreciated; more people should have been there to hear it. J. Austin Shaw was present and made a few appropriate remarks. John Westcott again comes to the front in convention matters, and as chairman of our Club Room Committee suggested open house at our club room on Monday, August 20, in order to entertain delegates to the S. A. F. Convention who may find it convenient to pass through this city and then go on to New York with our delegation Monday evening in the special train, which will be appropriately decorated and well provisioned.

Jottings.

S. S. Pennock has added a ribbon department to his already large wholesale business, and is ready to supply florists with any style and color of ribbon required, and in any quantity.

H. G. Faust & Co. have begun extensive interior alterations at their store at Front and Arch streets, the increasing stock necessitating strengthening of all five floors, and other alterations to facilitate business.

A wedding of much interest to the trade took place on Wednesday, when Alex. B. Scott was married to Miss Sara C. Burpee, sister of W. Atlee Burpee, the world-known seedsman. The contracting parties are well known and greatly respected, and much happiness is wished them. DAVID RUST.

MANETTI.

Suitable for grafting. Secure it now and save disappointment.

HIRAM T. JONES, Elizabeth County Nurseries, Elizabeth, N. J.

Mention the Florists' Exchange when writing.

F. & F. NURSERIES

SPRINGFIELD, NEW JERSEY.

Wholesale Growers. TREES AND PLANTS in full assortment. Trade Catalogue Free.

Mention the Florists' Exchange when writing.

OAKS 10,000

Pin, Scarlet, Red, White, Willow leaved, English and Turkey, 4 to 10 feet.

MAPLES.

100,000 Norway, Sugar, Sycamore and Silver Leaved, all sizes.

Catalogues on application. Send estimate of wants for prices.

THE WM. H. MOON CO., GLENWOOD NURSERIES, Morrisville, Pa.

Mention the Florists' Exchange when writing.

TREES

Fruit Trees, Small Fruits, including grapes. Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. Rochester, N. Y.

Mention the Florists' Exchange when writing.

Vegetable Plants—Cabbage and Tomato Plants, best leading varieties, fine plants ready to plant out, $1 per 1000; $8 per 10,000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

CRIMSON CLOVER SEED, growers prices. CELERY PLANTS only $1.00 per 1000. CABBAGE and Potted Strawberry Plants. Circular free. SLAYMAKER & SON, Dover, Del.

Mention the Florists' Exchange when writing.

EDWARD B. JACKSON,

Wholesale Florist.

Hardy Herbaceous Plants Only

In any quantity for the least money.

STAMFORD, CONN.

Mention the Florists' Exchange when writing

Yucca Filamentosa

Fine, large plants, $10.00 per 100.

SAMUEL C. MOON, Morrisville, Pa.

BUCKS CO.

Mention the Florists' Exchange when writing.

FRUIT and ORNAMENTAL TREES,

Shrubs, Vines and Roses

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., Geneva, N. Y.

Mention the Florists' Exchange when writing.

TOMATO PLANTS

FOR SALE—25,000 Transplanted Tomato Plants, 8 and 10 inches high. All kinds, at $6.00 per 1000.

BRIDGEPORT CUT FLOWER COMPANY,

454 and 456 Main St., Bridgeport, Conn.

Mention the Florists' Exchange when writing.

VEGETABLE PLANTS

Fine, large stocky plants plants, ready to plant out.

Egg Plants, New York Improved.
Peppers, Bull Nose.
Tomato, Stone Improved.
Cauliflower, Early Snowball.

All at $2.00 per 1000. 500 at 1000 rate.

GUSTAV PITZONKA, - Bristol, Pa.

Mention the Florists' Exchange when writing.

CABBAGE. CABBAGE

H. Succession, Early and Late Flat Dutch, Drumhead, Savoy and other varieties, field-grown plants, 15cts. per 100; $1.00 per 1000; $8.50 per 10,000.

CELERY White Plume, Golden Self Blanching, Giant Pascal, New Rose and other varieties; 10 acres will soon be ready, 15 cts. per 100; $1.00 per 1000; $8.50 per 10,000. (Large enough now for transplanting at 75cts. per 1000.)

TOMATO Stone, Paragon, Royal Red and other varieties, field-grown, 15 cts. per 100; $1.00 per 1000; $8.50 per 10,000.

Any of the above plants by mail, add 10cts. per 100. Cash with order.

R. VINCENT JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

ANDORRA NURSERIES

WILLIAM WARNER HARPER, Prop., Chestnut Hill, Philadelphia, Pa. SPECIALTIES: Large Specimen Ornamental Trees. Large Hardy Rhododendrons and Azaleas.

Mention the Florists' Exchange when writing.

THE STORRS & HARRISON CO., Painesville, Ohio

Desire to call the attention of Florists and Nurserymen to their 40 acres of HARDY ROSES, their complete assortment of FRUIT and ORNAMENTAL TREES and SHRUBS, and their 44 Greenhouses of ROSES, PALMS, FICUS, FERNS, ETC.

Correspondence and personal inspection solicited. Trade List and Catalogues free.

Mention the Florists' Exchange when writing

CLEMATIS PANICULATA

Strong plants from soil, $2.00 per 100, post paid.

Hardy Pinks Young plants; 5 sorts, as follows: Alba Fimbriata, May, Laura Wilmer, Earl of Carlisle and Brunette, 60c per 100, post paid; $5.00 per 1000, express.

Madeira Vine Roots 50c. per 100; $4.00 per 1000.

SATISFACTION GUARANTEED.

A. B. DAVIS & SON. Purcellville, Va.

Mention the Florists' Exchange when writing.

SURPLUS FOR SPRING 1900

Can yet do PEACHES and JAPAN PLUMS in limited quantity; also MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY, STRAWBERRIES from best leading varieties. Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.

ALEX. PULLEN, Proprietor.

Mention the Florists' Exchange when writing.

THE PINEHURST NURSERIES,

OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.

Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda nitida, Fothergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Dionæa muscipula, Lupinus diffusus, Phlox subulata, Sarracenias, etc., etc. Ask for Trade Lists.

Mention the Florists' Exchange when writing.

CHEAP FOR CASH.

Clematis Paniculata.

Strong healthy seedlings, ready for 2 inch pots, $3.00 per 1000.

SEND FOR SAMPLES.

FRANK JENCEK, 87 Webster Street, Newport, R. I.

Mention the Florists' Exchange when writing

CLEMATIS.

Large flowering, to 20 splendid kinds, from pots, outdoors, sure to grow, 25c. each; $2.50 per doz. Strong young plants of above, unrivaled collection, $1.00 per doz; $8.00 per 100, free by mail or express.

CLEMATIS PANICULATA, fine young plants, 75c. per doz.; $4.00 per 100.

All will make first-class salable plants for Fall.

F. A. BALLER, Bloomington, Ill.

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS,	AZALEAS,
SPIRÆA JAPONICA,	LILIUM SPECIOSUM
PÆONIES,	BLEEDING HEART
POT GROWN LILACS,	HYDRANGEA IN SORTS.

CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing.

FOR FALL DELIVERY.

FIELD-GROWN ROSES, CLEMATIS, ORNAMENTAL SHRUBS, TWINING PLANTS, Etc.

Our travelling representative, Mr. J. Austin Shaw, is now in the vicinity of PHILADELPHIA, and we shall be pleased, on request, to have him call upon any prospective purchasers.

JACKSON & PERKINS CO., Newark, New York.

Mention the Florists' Exchange when writing.

Farquhar Violets Strong plants from 2½ inch pots, $3.00 per 100 $25.00 per 1000. Cash with order. Rooted cuttings all sold.

THOS. F. O'BRIEN, 26 Folsom Street, Roslindale, Mass.

Mention the Florists' Exchange when writing

Ready for Delivery on and after June 20th,

Marie Louise Violet Plants

From soil, clean, healthy stock.

L. R. LANE, - Babylon, L. I.

Mention the Florists' Exchange when writing.

VIOLETS We still have plenty of Lady Campbell and Swanley White, rooted cuttings $6.00 per 1000; 2¼ in. pots, of all varieties, ready about June 10th.

GERANIUMS, S. A. Nutt and Bruantii, $7.00 per 100 with, and $6.00 per 100 without, pots. Mme. Salerol, $3 to, $3.50 per 100

CANNAS, Star of '91, Ilke Bouvier, also a mixed lot of Florence Vaughan, Burbank, Austria, Egendale, Cabos, etc., at $8.00 per 100.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing

Carnation Cuttings All Sold.

Have a Few

LADY CAMPBELL

Sand Struck Cuttings, $5.00 per 1000

WILLIAM SWAYNE, Kennett Square, Pa.

Mention the Florists' Exchange when writing.

POTTED VIOLET CUTTINGS

Farquhar ..... per 1000, $20.00
Lady Campbell ..... " " 15.00
Princess of Wales ..... " " 12.50

Clean of all diseases and guaranteed pure stock.

GREEN SPRINGS FLORAL CO.,

Waldrop P. O., Louisa Co., Va.

Mention the Florists' Exchange when writing.

ORCHIDS

Arrived in perfect condition the long-looked for

CHRISTMAS CATTLEYA.

(Cattleya Percivaliana.) Also C. Mossiæ.

LAGER & HURRELL,

Correspondence Solicited. SUMMIT, N. J.

Mention the Florists' Exchange when writing.

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN

WILSON J. PETERS, Troy, O., President; D. S. LAKE, Shenandoah, Ia., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

Milford, Del.—The Democrat of this city says it has heard it rumored that Alex. Pullen, the well-known nurseryman, is a candidate for Governor on the Union Republican ticket.

Berlin, Md.—Orlando Harrison has been elected Mayor of Berlin. He is business manager of the firm of J. G. Harrison & Sons, nurserymen, and is 33 years of age.

New York.—The West Shore Railroad Co. advises us that it has named a rate of a fare and one-third for the round trip for delegates traveling to the convention of the American Association of Nurserymen, to be held at Chicago, June 13-14 next.

The New York Department of Agriculture has established a special San José scale department. George G. Atwood, of Geneva, is in charge. Percy L. Huested, Blauvelt, and H. C. Peck, Brighton, have been appointed inspectors, with J. Thompson, Seward, and T. F. Niles, Spencertown, assistants.

Summer Treatment for the San Jose scale should begin as early as June 15 and be continued until September 15 at least, with intervals of not more than ten days between sprayings. This will destroy a very large percentage of the young and thus prevent its spreading. Two different mixtures can be used, viz.: (1) Whale oil soap, used at the rate of one-fourth pound to one gallon of water. This mixture will not injure the foliage of tree fruits; (2) a mechanical mixture of kerosene and water, in the proportion of one gallon of kerosene to ten of water, or what is called a 10 per cent. solution. It can be used with safety on all tree fruits except the peach.

For Winter treatment, which means while the leaves are off, a stronger solution of whale oil soap and water can be used—two pounds of the former to one gallon of the latter. Kerosene from 20 to 100 per cent. has been used with widely different results. The why has not been determined as yet. Consensus of opinion is that it should be used on a sunshiny day—the higher the temperature the better.

The whale oil soap solutions can be used with any of the better class of sprayers. The kerosene mixture requires a specially constructed one, with a device for the mechanical mixing of the kerosene and water, of which there are a number on the market.

In the destruction of trees, shrubs, vines, etc., infested with the San José scale, great care should be taken that stumps and sprouts are grubbed out thoroughly and burned with the trunk and branches—otherwise your work will be in vain and the infection but temporarily checked, not destroyed.

Bulletin 72, Ohio Agricultural Experiment Station, will give further information.

PAMPHLETS RECEIVED

WORK OF THE UNITED STATES DEPARTMENT OF AGRICULTURE ON PLANT HYBRIDIZATION. By Mr. Herbert J. Webber, in charge of Plant Breeding Laboratory, Washington, D. C.—A reprint of Mr. Webber's remarks before the recent Hybridization Conference in London, Eng., giving results of experiments in orange, pineapple and cotton hybridization.

C. H. JOOSTEN,

SPECIAL, CANE PLANT STAKES, 6 to 7 feet, per 1000, $6.00; per 250, $1.75.
KENTIA BELMOREANA SEED, per 1000, $4.50; per 3500, $14.00.
CYCAS REVOLUTA STEMS, small size, 100 lbs., $8.00.
Catalogue of FALL BULBS and PLANTS on application.
85 DEY STREET, NEW YORK.
Mention the Florists' Exchange when writing.

SALVIA SPLENDENS

From 4 inch pots, packing free, at $5.00 per 100.
D. LANDRETH & SONS, 1001 MARKET STREET, Philadelphia, Pa.
Mention the Florists' Exchange when writing.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.
COLMA, San Mateo Co., CAL.
Mention the Florists' Exchange when writing.

MERCER FLORAL CO.

CARL E. TAUBE, Proprietor,
TRENTON, N. J.
Wholesale Florists.
CARNATIONS A SPECIALTY
Mention the Florists' Exchange when writing.

Pansies Worth Raising

Small plants all sold.
Now left but flowering plants from field, at $2.00 per 100, and up.
C. SOLTAU & CO., 199 Grant Avenue, Jersey City, N. J.
Mention the Florists' Exchange when writing.

PANSIES

The Jennings Strain.
Extra fine stocky plants from cold frames, in bud and bloom, $1.50 per 100; $13.00 per 1000. Second size, fine plants, in bloom, $1.00 per 100. Cash with order.
E. B. JENNINGS, Lock Box, 254. Southport, Conn
Grower of the finest Pansies.
Mention the Florists' Exchange when writing.

PANSIES

Funkia, Eulalia, Misi.
See needs and exchange offer in previous issues.
Good, strong, field-grown Pansies, in large variety, commenced flowering in September, per 1000, $12.00; in October, per 1000, $10.00; for May and June flowering, per 1000, $8.00. Strong seed bed Pansies, $3.50 per 1000. Perennial Phlox, mixed varieties, $3.00 per 100. Mist, $5.00 per 100. Funkia Lancifolia, $1.50 per 100. Cash With Order, Please.
W. C. JENNISON, Natick, Mass.
Mention the Florists' Exchange when writing.

30,000 SMILAX

Nice, thrifty, 2 inch, per 100, $1.25; per 1000, $10.00.
Smilax, from flats, 250 by mail, $1.00.
CASH WITH ORDERS, PLEASE.
GEO. J. HUGHES, Berlin, N. J.
Mention the Florists' Exchange when writing.

SMILAX

From flats, by mail, 50 cts. per 100; $1.00 per 1000. From 2 in. pots, $1.50 per 100; $13.00 per 1000.
HYDRANGEA, 5 in. pots $3.00 per doz; 4 in pots, $2.00 per doz; Rooted Cuttings, $1.25 a 100; $10 a 1000.
LARGE-FLOWERING CANNA ROOTS, $1.00 per 100.
Cash with the order. Send for samples.
FRED BOERNER, Cape May City, N. J.
Mention the Florists' Exchange when writing.

SMILAX

From Pots. Ready Now.
$1.50 per 100; $15.00 per 1000.

ASPARAGUS PLUMOSUS

From 3 in. Pots. Ready July 15.
$6.00 per 100; $50.00 per 1000.

You will make no mistake in sending me your order. This stock is of the same high quality as that furnished last season. Samples furnished to new customers if desired.
ALBERT M. HERR, Lancaster, Pa.
Mention the Florists' Exchange when writing.

SALVIA SPLENDENS

500 to 3 in. pots, 1 ft. high, in bud and bloom, $4.00 per 100. Cash with order.
H. M. WOUNDY, New Canaan, Conn.
Mention the Florists' Exchange when writing.

WM. MURPHY,

Wholesale Carnation Grower.
Sta. F., CINCINNATI, O.
Mention the Florists' Exchange when writing.

CARNATIONS

F. DORNER & SONS CO., LaFayette Ind.
Mention the Florists' Exchange when writing.

Orders Now Booked
for FALL DELIVERY of
CARNATION PLANTS
Chicago Carnation Co., Joliet, Illinois.
Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS..
and Novelties in Decorative Plants.
Market and 49th Sts., PHILADELPHIA, PA.
Mention the Florists' Exchange when writing.

SURPLUS STOCK.

I have 500 BRIDES, rooted cuttings, now in 3½ in. pots, in prime condition for setting out to benches; pots full of roots; $6.00 per 100, or the lot for $25.00. Speak quick. Cash with Order.
E. WALLER, Morristown, N. J.
Tonicup Greenhouses.
Mention the Florists' Exchange when writing.

Strong Plants.
BRIDES and BRIDESMAIDS

2½ in. pots, $3.00 per 100; $30.00 per 1000.
3 in. pots, $6.00 per 100; $50.00 per 1000.
3½ and 4 in. pots, $7.00 per 100; $60.00 per 1000.
EDW. J. TAYLOR, Southport, Conn.
Mention the Florists' Exchange when writing.

BRIDES AND 'MAIDS

2½ inch, ready for a 3 inch shift.
$3.00 a 100; $25.00 a 1000.
CASH WITH ORDER.
J. B. HEISS, The Exotic Nurseries, Dayton, Ohio.
Mention the Florists' Exchange when writing.

ROSES!

300 BRIDESMAID
150 BRIDES
150 PERLES
2½ Inch Pots, $2.50 per 100. Cash.
Good, Clean Stock.
JOHN WHITE, Florist, ELIZABETH, N. J.
Mention the Florists' Exchange when writing.

PERLE ROSES

2½ inch stock, $3.50 per 100; $30.00 per 1000.
A1 STOCK. BEST IN MARKET.
WIETOR BROS., 51 WABASH AVENUE, CHICAGO.
Mention the Florists' Exchange when writing.

PHILADELPHIA ROSES

KAISERIN
Strictly first class stock out of 2½ inch pots.
BRIDES and MAIDS 3 inch.
Also extra strong plants of AMERICAN BEAUTY, 3 and 4 inch pots.
MYERS & SAMTMAN, Chestnut Hill, PHILA.
Mention the Florists' Exchange when writing.

40,000 FIRST QUALITY FORCING ROSES!

READY FOR IMMEDIATE PLANTING.
Fully equal to those sent out the last eight years, first-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.
WOOTTON, LA FRANCE, AMERICAN BEAUTY, PRESIDENT CARNOT,
3 inch pots, $8.00 per 100. 4 inch pots, $12.00 per 100.
METEOR, KAISERIN, SUNSET, BON SILENE, MERMET, PERLE, GONTIER, MME. HOSTE, NIPHETOS, BRIDE, BRIDESMAID, BELLE SIEBRECHT, 3 inch pots, $7.00 per 100. 4 inch pots, $10.00 per 100,
Mention this paper. J. L. DILLON, Bloomsburg, Pa.

BRIDESMAID ROSE PLANTS!

I have still left a few thousand in 2 inch pots, in splendid condition.
STEPHEN MORTENSEN, (Near Phila.) Southampton, Penna.
Mention the Florists' Exchange when writing.

GEO. A. RACKHAM,
Wholesale Grower of
Roses, Carnations, Small Ferns,
880 Van Dyke Ave., Detroit, Mich.
Mention the Florists' Exchange when writing.

ROSE PLANTS

From 2½ Inch Pots.

	Per 100	Per 1000
Meteor	$3.00	$25.00
Bridesmaid	3.00	25.00
Bride	3.00	25.00
La France	3.50	30.00

American Beauty Rose Bushes.

	Per 100	Per 1000
From benches	$2.50	$20.00

GEORGE REINBERG,
51 Wabash Ave., CHICAGO, ILL.
Mention the Florists' Exchange when writing.

ROSES

FINE PLANTS, FROM 2½ INCH POTS, $2.60 per 100; $20.00 per 1000.
Golden Gate, La France, Bride, Muriel Grahem, The Queen, Marie Lambert, Maman Cochet, Striped La France, Abel Chatenay, C. Soupert, Mosella, Marie van Houtte, Bridesmaid, Sylph, H. M. Stanley, Gen. Lee, Mrs. R. Garrett, A. S. Gray, Media, Mme. Berthol, Empress of China, Yellow Rambler, Mme. Elie Lambert.
GERANIUMS 25 varieties, double and single, our selection, $2.50 per 100; $20.00 per 1000. Ivy Geraniums, best double, $2.50 per 100.
CHRYSANTHEMUMS 2 inch, Fisher's Torch, Cullingfordi, J. C. Vaughan, Major Bonnaffon, Mrs. Perin, Glory of Pacific, Mrs. Whildin, $2.00 per 100; $15.00 per 1000.
SWORD FERN, Cordata Compacta, 2½ inch, $4.00 per 100.
BABY PRIMROSE, 2½ inch, in bloom, $2.50 per 100.
ASPARAGUS SPRENGERI, 2½ in., $3.50 per 100; $30.00 per 1000.
JOHN A. DOYLE CO., Springfield, Ohio.
Mention the Florists' Exchange when writing.

IF YOU NEED ROSES
Send us your list for prices.
THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.

ROSES

Prices per 100.

Marie Van Houtte, $2.25	Christine de Noue, $2.25
Duchess Brabant, $2.25	Marie Guillot, $2.25
Purple China, $2.25	Mrs. DeGraw, $2.25
Clothilde Soupert, $2.25	Yellow Soupert, $2.25
Mamaa Cochet, $2.25	White Mamaa Cochet, $2.25
Mme. F. Kruger, $2.75	Crimson Rambler, $2.75
Bridesmaid, $2.75	Meteor, $2.75
Perles, $3.00	Sunset, $3.00
Golden Gate, $3.00	La France, $3.00
Kaiserin, $3.00	Gruss au Teplitz, $5.00

All above 2½ inch pot stock.
Also 30 other varieties and Miscellaneous stock. Send for list.
2-year old Crimson Ramblers from 4 inch pots, $8.00 per 100.

	Per doz.
Large Compacta Ferns, from 8 inch pans	$6.00
Large Boston Ferns, from 10 inch pans	10.00

NATIONAL PLANT CO., Dayton, Ohio.
Mention the Florists' Exchange when writing.

ROSE PLANTS

	Per 100
Am. Beauty, 3 in. pots	$7.00
" 2½ in. pots	5.00
Bridesmaid, 3 in. pots	5.00
" 2½ in. pots	3.00
Bride, 3 in. pots	5.00
" 2½ in. pots	3.00
Perle, 3 in. pots	5.00
" 2½ in. pots	3.00
Meteor, 3 in. pots	5.00
" 2½ pots	3.00
Golden Gate, 2½ in. pots	3.50

CARNATIONS

Rooted Cuttings

	Per 100	Per 1000
America	$2.00	$15.00
Gov. Griggs	2.00	15 00
Leslie Paul	2.00	15 00
Gold Nugget	1.00	7 50
McGowan	.75	5.00
Nivea	.75	5.00

PETER REINBERG, Chicago, Ill.
51 Wabash Ave.
Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

SITUATION wanted by first-class all around grower, designer, etc. State particulars to J. H., Pequanic, N. J.

I CAN fill any position in a seed store; want a position; can furnish good references. S. J., care Florists' Exchange.

FOREMAN, private or commercial, understands roses, chrysanthemums, carnations and violets; single. S. P., care Florists' Exchange.

SITUATION wanted as gardener, 14 years' experience, German, married; can take charge of greenhouses; would like steady position not out of state. Address Emil Zwanger, 138 Colton St., Springfield, Mass.

SITUATION wanted, gardener and florist, in a private or florists place, Scotch, married, family of one grown up; 20 years' experience in all branchss of the business. Address with particulars S. R., Florists' Exchange.

WANTED situation in private or commercial place, by experienced grower of cut flowers and plants; good knowledge of all departments of horticulture; able to take charge; American and European references. Address S. T., care Florists' Exchange.

WANTED, situation, by young Englishman, good all-around florist, experienced landscape and kitchen gardener, acquainted with retail, mail and telephone trade, also design work; strictly temperate, good references. Address J. Lake, Florist, Concord, N. H.

LANDSCAPE GARDENER, GARDENER and architect, with 18 years' experience, draughtsman, able designer, also thoroughly familiar with every detail of construction work, will be open for engagement in near future. Address correspondence S. M., care Florists' Exchange.

HELP WANTED.

WANTED, single young man at once, to take full charge of small commercial place; state wages. E. Jacobsen, florist, Montpelier, Vt.

WANTED, a steady, reliable young man, with some experience, for general greenhouse work. Wages $18.00 per month and board. State where last employed and experience. Geo. S. Belding, Middletown, New York.

SEEDSMAN—A FIRST-CLASS MAN, EXperienced in all departments. Give particulars to A. B. C., Lock Box 1618, Philadelphia.

WANTED ASSISTANT, THOROUGHLY posted in the seed, bulb and plant business, and well up in flower seeds. Good position with Eastern retail house. Address S. K., care Florists' Exchange.

WANTED—TWO GOOD MEN TO work under foreman in wholesale rose business. C. A. Work, Madison, N. J.

MISCELLANEOUS WANTS.

WANTED—About 1500 grafted Brides and Maids, good stock. Wm. S. Wilson, Concord, N. H.

WANTED 3000 ft. of 10x12 glass, double thick, state price. George I. Laird, 3014 Fulton St., Brooklyn, N. Y.

WANTED-1000 PAPA GONTIER ROSE plants, from 2 or 2½ inch pots. Send sample and lowest cash price to W. H. Daniels, Mamaroneck, N. Y.

AGAVES WANTED—A DOZEN GOOD, well-furnished Agaves, 3 to 4 feet, shapely plants. Please send particulars and price to Fred'k W. Kelsey, 150 Broadway, New York.

MISCELLANEOUS.

FOR SALE—3 locomotive pattern boilers; all the above are second-hand steam boilers, in good condition. Address R. F., care Florists' Exchange.

FOR SALE—1600 FEET 4 INCH CAST iron pipe for hot water heating. Samuel J. Bunting, Elmwood Ave. and 58th St., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

LARGE GREENHOUSES AND FLORAL BUSINESS For Sale at a great bargain. Centrally located in a flourishing and growing city of nearly 150,000 people. The leading house in that line within a radius of 200 miles. A large and fine trade with the best class of customers. No house has a better reputation. No debts of any kind. This plant is offered for sale at a great bargain because the proprietors have gone into other business. Address for particulars

S. L., care Florists' Exchange.

Mention the Florists' Exchange when writing.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.

BUSINESS OPPORTUNITIES.

FOR SALE—14,000 feet of glass, used mostly for roses, 4 acres of ground and 2 dwelling houses; 3 minutes from station, city improvements, hot and cold water, and good forcing water in greenhouses supplied by Summit Water Co. Will sell whole or part interest. A. Harth, Millburn, N. J.

P. GORMLEY, on account of death in family, offers his greenhouse property for sale; the best stand to be found in New England, everything convenient, a chance of a lifetime for someone, as I am going to sell at a sacrifice. For any information, address P. Gormley, Worcester, Mass.

FOR SALE—A most desirable florists establishment, near New York, consisting of a fine dwelling, four large greenhouses of modern construction, barn, etc. A good chance to one who appreciates a fine place. For further information apply to Mr. R. Goodsell, 454 W. 151st St., New York City.

FOR SALE—240 ACRES OF LAND ON Isthmus of Tehauntepec, State of Vera Cruz, Mexico. For full particulars write Roland Hughes, 846 New York Life Building, Kansas City, Mo.

FOR SALE—THE MORRIS FLORAL CO., Morris, Ill., consisting of 12 houses, 20,000 square feet of glass, 2 cottages, barn, 6 acres land; doing a retail and wholesale business; increase of business over last year was $1,282.61 up to April 1st. The plant cannot be built to-day for $20,000. Reason for selling: A. Mitting Sec'y and Mgr., retiring; there is nobody else in the incorporated company that is a florist. Terms, $3,000 cash, balance good paper. Open to the highest bidder; all bids will be opened on July 1st by the directors. If you mean business, come and see this new plant.

Mention the Florists' Exchange when writing.

BOOKS RECEIVED.

MODERN HOUSE PLANTS FOR EVERYBODY. By S. B. Reed, architect. Illustrated. 12 mo., pp. 243. The Orange Judd Co. publishers. Price $1.

In this work plans and descriptions are furnished and estimates given in detail of material, cost, labor, etc., for village and country residences, costing from $250 to $8,000. To those who intend to build a home the book will prove invaluable, owing to the very serviceable information it contains.

CHANGES IN BUSINESS.

SHAMOKIN, PA.—Hugh Campbell will erect greenhouses near Edgewood Park.

YARMOUTH, ME.—Thomas I. Brown has started in the florist business here. He was formerly with George E. Curtis, of Brunswick, Me.

KEENE, N. H.—Louis P. Butler has purchased of Ellis Bros. their entire flower and vegetable seed and mailing business, including their mailing lists and the business of shipping plants by mail.

St. Louis.

Market Conditions Unchanged.

There is little change to report from this point. Business may have improved slightly, but downtown it is still very dull, there being little or no change in the street car strike, which, we fear, will almost be the means of making some business places close up. Good roses have been rather scarce this week; in fact, their has been no over-abundance of anything except, possibly, Daybreak carnations, and these have been most too plentiful. Roses sell at from 2c. to 4c.; carnations, 75c. to $1 per 100. There are plenty of sweet peas in that bring 25c. to 50c. per 100. A few gladiolus, cornflowers, coreopsis, etc., are to be seen, but they do not seem to sell. Paeonies and the bulk of outside roses are over; the latter have been extra fine and have sold well.

Bedding has dragged along and held out well this year, and we now believe most everybody will sell out better than we expected.

Notes.

Martin Renkauf was in town the other day, but took to the timber again on learning the state of business in town. Martin is rather unfortunate in striking us during bad times. He was here also during the big tornado in '96.

Ostertag Bros. are very busy people these days; they have just got through decorating Uhrigs' Cave, a popular Summer resort, with natural and artificial plants, and on the 10th will leave to do a big and profitable job in the East, the event being the planting of the grounds and decorating the home of Mr. Richard Kearns, a well-known St. Louisian, at Elkins, W. Va., for a wedding. Henry Ostertag will manage the undertaking. He will first go to Elkins, make his calculations, and lay out the planting, then proceed to New York to buy the stock, which is to consist of about 500 strings of asparagus, 2,000 strings of smilax, some 10,000 roses and other things in proportion. He takes considerable stock in palms and bedding plants from here, but will also buy great quantities in the East. Mr. O. will probably call and pay his respects to the FLORISTS' EXCHANGE, which he considers the best paying advertising medium he knows of.

Thursday, June 14, is the date of the next regular meeting of the Florists' Club. The meetings have been poorly attended of late, and the officers hope to see an improvement, as lots of business will be taken up, especially pertaining to the Fall show.

Sunday last was one of the two open Sundays at Shaw's Garden, and notwithstanding the inconvenience people had to experience in getting there, an admiring crowd was in attendance. The grounds are said to be in prime order, with many new features. C. C. S.

Youngstown, O.

E. Hippard has secured a patent for a greenhouse gutter. He is negotiating with a Cleveland firm to manufacture the article.



New York—At a meeting held Monday night it was decided that the team to roll in the coming tournament shall consist of those players who make the highest average during the months of June and July.

Not more than three games in one evening will be recorded, nor will the averages be taken for a lesser number of games than fifteen. Players will thus have to attend five meeting nights at the least.

The scores made Monday were as under:

	1	2	3
T. Roehrs	188	148	147
A. S. Burns	133	137	153
C. Schenck	141	144	167
T. J. Lang	152	134	188
F. H. Traendly	117	140	149
A. Van Asch	81	138	108
J. McManus	122	128	132
W. Marshall	214	176	158

Flatbush—Thursday evening the following scores were made. It will be seen that Riley is again in form and came near breaking the record for these alleys; he made 267. E. Dailledouze holds the record, with a score of 269.

	1	2	3
L. Schmutz	160	120	148
E. Dailledouze	152	141	146
P. Riley	155	267	149
H. Dailledouze	84	113	147
A. Zeller	—	123	184
P. Dailledouze	123	123	129
W. Proeser	138	130	151
C. Wocker	113	106	93
S. S. Butterfield	85	110	118
J. J. Doulan	—	102	121

Grand Rapids.

Trade News.

The weather has been very changeable—roasting hot, rainy, cold and raw—with the thermometer at 40 degrees, and lower at night, necessitating night fires for roses, and even then the young stock has a mild dose of mildew.

Decoration Day business was fine. The supply was heavy, carnations being in full crop. Some growers did not cut for a week, and then what a pile they stowed away down cellar. In years there has been no such supply, and it cleaned up close. Roses were plentiful also and sold at good prices, although carnations were the flower most in demand. Mulic Bros. stood at the corner leading to the cemeteries with a load of cut flowers and banging baskets, and did a brisk trade.

We have a genuine Chicago curbstone Greek downtown, and just before Decoration Day he wondered why he could not get carnations for 50c. per 100 here, same as in Chicago. It is predicted he won't last long.

There were more hanging baskets and window boxes used this year than ever, it being all the style to have three to five baskets and a couple of boxes for veranda ornamentation.

A glut is now on, and quantities of stock are being consigned to the dump. Carnations brought 25c. to 35c. per dozen; roses, $1 per dozen; shorts, 75c. Lilies still bring $1.50 per dozen, with very light demand. There is yet a good supply of S. A. Nutt and Bruant geraniums in 4 inch pots, they being the varieties most called for; two-thirds of all the geraniums planted are of the former sort.

B. E. Wadsworth, of Toronto, Canada, has assumed charge of Crabb & Hunter's plant as foreman. G. F. C.

Newark, N. J.

Henry Spellmeyer, a landscape gardener, died here May 31, aged 82. He was born in Germany.

Best Methods of

HEATING GREENHOUSES

Send for a copy at once. You will find it very useful.

Price to Florists' Exchange Subscribers, 10 Cts.

A. T. DE LA MARE PTG. & PUB. CO. Ltd.

2 Duane Street, New York.



(121) **Plant for Name.**—The specimen arrived in poor condition. The plant is evidently Chionanthus virginica.

(122) **Bougainvillea Sanderiana.**—Dingee & Conard Co., West Grove, Pa., inform us that they can supply this stock.

(123) **Curing Palmetto Palm Leaves.**—Please inform me through your Question Box column of your valuable paper the best method of curing, drying and pressing palmetto palm leaves. By explaining each thoroughly and separately you will oblige W. R.

—Can any reader of the FLORISTS' EXCHANGE oblige?

(124) **Heating Questions.**—How many runs of 2½-inch iron pipe will it require to heat a greenhouse 9x16, 7 feet to ridge, one foot of glass in west side, double sided, with paper between; and about what size of heater?—E. A. P., Marlboro, N. Y.

—To heat a greenhouse 9x16 feet to 60 degrees in zero weather will require about six lines of 2½-inch pipe. These can be arranged as one flow and two returns on each side. While there will be less than 100 square feet of radiation it will be desirable to use a heater rated at 150 feet.—L. R. T.

How many 2-inch pipes (hot water) will be required to heat a house 40x150 feet, for lettuce, one foot on sides glass, and one gable glass, 50 to 55 Fahr. in zero weather? How many flows are needed, and the size? The pipe to run in roof.—PHILIP WARNER.

—It is not possible to give a definite answer without knowing something of the shape and construction of the house. If the walls are not more than 5 feet high, and if the house is well built, it can be heated with fifteen 2-inch returns and five 2½-inch flow pipes. Another way would be to use sixteen 2-inch pipes as flows and three 3-inch returns. If it is possible to place the pipes on the side walls one 3-inch and five 2-inch pipes can be placed on each wall and the other pipes can be distributed under the benches, or on the purlin posts.—L. R. T.

I have three greenhouses, one 18x60 and two 18x50 feet. I want No. 1 for smilax and ferns, No. 2 for chrysanthemums and Easter lilies, and No. 3 for carnations. No. 1 and 2 are heated by a Spence boiler; No. 5 with five sections. (1) Now, how much pipe do I need in houses (2-inch pipe)? Houses have 4 feet walls, 8 feet to ridge. (2) Will the boiler heat all three houses and violet frame 5x75 feet? Pipe under side benches, two overhead. (3) Can the boiler be used for steam? If so, how much pipe will be needed? (4) Will it be better to remove partition between Nos. 1 and 2? (5) Can boiler be enlarged with more sections? and where are these made? I intend later to build another house, 60x22 feet, alongside of No. 3.—HILLCREST.

—(1) The number of 2-inch pipes should vary from ten to twelve, according to the temperature desired. (2) A No. 5 Spence heater is rated for about 1,000 square feet of radiation, but about 800 is all that it will carry with economy of time and fuel in weather with the mercury 10 degrees below zero. To heat all of the houses, including the violet frame, 1,200 feet of radiation will be needed, and while the heater will carry it in ordinary Winter weather, with frequent firing, it will be very difficult to keep up the temperature when it is 10 or more below zero outside. (3) The boiler cannot be used for steam. (4) While the partition is not needed it is doubtful if anything will be gained by removing it. (5) The addition of another section would result in the increased efficiency of the boiler when the fire is forced, but the expense would be considerable, as a new water back would be required. The American Boiler Co. has branch offices or agents in all large cities. One of their factories is in Syracuse, N. Y.—L. R. T.

I built a carnation house 100 feet long, and to be economical in pipe tapped the supply one at the far end of No. 1 house and came back through No. 2 with one coil of 6-inch pipes under the bench on the far side. I could not get sufficient heat the past Winter, and am thinking of changing by putting a T on the supply pipe leading to No. 1, and going into No. 2, and running a 5-inch pipe coil around the house under the center bench, using the same return as I have this year. Do you think the scheme feasible, or would you recommend running a supply pipe down the ridge of the house?—WILSON.

—The letter does not give the width of the house nor the size of the supply pipe in house No. 1, neither does it say whether hot water or steam is used. When steam is employed there should be no trouble in taking a supply pipe from the main in the other house if it is of sufficient capacity for both houses. If the house is 20 feet wide five 1-inch pipes will be needed on each side the entire length of the house, and these should be on the walls or under the side benches rather than under the center bench. It will be desirable to carry a 2-inch main down the center of the house, although it may be taken off from the other house if the size is sufficient. If the walls of the house are exposed it will be advisable to add one or two more returns unless the supply pipe is carried the length of the house.—L. R. T.

(1) Will a hot water boiler with 16 square feet of grate surface heat 2,400 feet of glass to 58 degrees in zero weather? (2) Will a hot water boiler, that heats now five houses well, 110 feet away, heat two more if placed close to these houses?—EMIL BUETTNER.

—(1) No, not satisfactorily. Without considering the wooden walls of the houses, about 8,000 square feet of radiating surface will be required or 24,000 feet of glass. For the highest economy in care and fuel 4,000 feet would be the maximum for 16 feet of grate, and under no conditions would it be desirable to use more than 6,000 feet of radiation, or 18,000 square feet of glass with a grate of above size.

(2) It depends a good deal upon the size of the houses and the size and insulation of the mains. If the houses contain 10,000 square feet of glass, and properly insulated 6-inch flows and returns are used, the difference in the capacity of the boiler will not be more than 500 feet of radiation, whether close to the houses or 110 feet away. This will not suffice for one house. If the boiler is several feet below the houses the difference will be hardly appreciable. —L. R. T.

(125) **Sub-irrigation for Greenhouses.**—Will you kindly give me some information on sub-irrigation for greenhouses. I have a steep side hill (about 30 degrees) which I want to cover with glass for carnations and violets. Would you advise planting on the slope solid, or make narrow beds with less slope and sub-irrigate? What size and style of tile is best for such a purpose, and how far apart and how deep should it be laid? Could it be laid continuous, or with several openings and outlets?—SUB-IRRIGATION.

—When a greenhouse is placed upon a slope of 30 degrees, if the house is wide, there will be a number of degrees difference in the temperatures at the opposite sides of the house. While a greater slope might be used for a narrow house, 10 degrees will be ample for a house 40 feet wide.

Under no conditions will it be advisable to use continuous tiling for sub-irrigation, and my own plan would be to arrange it exactly the same as for houses upon level ground. Beds 6 or 7 feet wide may be used. The bottoms should be level, except for a slope of about 2 inches in 50 feet lengthwise of the house. The bottom can be made of puddled clay, or a thin layer of grout. Three lines of 2½-inch drain tile should be laid lengthwise of each bed. Care should be taken to have the openings between the tiles of about the same size. Most of the tile are slightly curved, and if placed with the convex side uppermost the joints will be loose at the top and there will be a small opening at the lower side between each of the tiles.

The soil should be about 8 inches deep, and while the surface may have a slight slope to the south, it will be most satisfactory if practically level. In a long house it is well to have one or more peep-holes into each tile, to permit of an occasional examination of its conditions. When water is applied care should be taken that all of the under soil is moistened, but the use of an excess should be avoided. The lower ends of the tiles should be so arranged that they can be used as drains if necessary, and the sides of the beds should have frequent openings through which the water can pass when it is 1 inch deep in the bed.—L. R. TAFT.

New York.

The Market.

There is little of an encouraging nature to say about the cut flower business this week. Flowers of all descriptions have been coming in in vast numbers since Monday, and the demand has fallen off to such an extent that the bottom has completely dropped out of the market, and there is no such thing as a fixed price for any single commodity.

Carnations seem to be the least wanted, and although the quality is far above the average there has been some fearfully low prices placed on record within the last few days; $2.50 per 1,000 has been an ordinary figure, and one lot, to our knowledge, was sold at $1 per 1,000. Fancy varieties of some colors have been offered at 50c. per 100, and went slowly at that rate.

Out of all the great quantites of roses that reach the city there are but few that can be classed as specials among the Bride and Bridesmaid, and, when obtainable, they bring $5 per 100. Those grading as Nos. 1 and 2 bring about the same prices as were last reported, but are much improved in quality, there being but little mildew in sight as compared with last week. Jacqs. have been plentiful in the Cut Flower Exchange for some days, and have brought from 50c. to 75c. per 100. These have no doubt curtailed the sale of short Beauty to a great extent, as the falling off in the demand for the latter has been quite noticeable. Special Beauty have brought 20c., that is, sometimes; if wanted in numbers they are to be had at $15 per 100.

Sweet peas are in heavy supply and find but little favor with buyers. The best seller among them is a dark blue variety, and this only brings 3c. or 4c. a bunch. Pæonies prevail in every wholesale store, and their large size (and low price, about $2 per 100) makes them a bonanza for church decorations. Spanish iris is in moderate supply, and the white and rose colored pyrethrum is plentiful and of superior size and quality. Valley has been in demand on one or two days, and has fetched $3 and $4 per 100.

Gladiolus, auratum lilies and hemerocallis are coming in, but no fixed prices obtain. Harrisii lilies bring 4c. Smilax has not changed any, neither has asparagus. Maidenhair fern is more plentiful and the price inclines downward.

Auction Sales.

In the auction rooms the sales have been very heavy this week, and for good bedding plants prices have ranged tolerably high. Of all the different kinds of plants offered for sale under the hammer bay trees seem to be the hardest to dispose of at the present time. Earlier in the season they sold much better, and many choice pairs were disposed of by Wm. Elliott & Sons.

J. P. Cleary will sell at auction a large consignment of Japanese plants at the Victoria Hotel, corner of 27th street and Fifth avenue. The sale will commence on Monday and will last for several days.

Jottings.

August Rhotert sails June 28 for Europe.

George Stumpp has been busy this week decorating for some of the largest weddings of the season.

From the store of Alex. McConnell a bridal bouquet of white cattleyas was sent out one day this week.

C. L. Allen, of Floral Park, has gone to Chicago, to attend the convention of the Seed Trade Association.

Miss Headworth, of Vaughan's seed store, left Wednesday night for Chicago, where she will spend her Summer vacation.

Wm. J. Bertermann, of Indianapolis, sailed Thursday for Europe, on the S. S. Barbarossa, and Joseph Rolker sailed on the S. S. Kaiser Frederick on Thursday.

Fred. W. Taylor, who has charge of the horticultural department of the Pan-American Exposition, Buffalo, was a visitor this week, as also were President E. M. Wood, of Natick, Mass.

On Wednesday, the 13th inst., a general meeting of the New York Horticultural Society will be held in the rooms of the American Institute, 19-21 West 44th street, at 4 p. m.

The monthly meeting of the New York Florists' Club takes place Monday, the 11th inst. Committees meet at 7 p. m.; regular meeting at 8 p.m. Bowling team meets in the afternoon of the same day.

Members of gun clubs who intend participating in the shooting contests, to be held during the Convention of the S. A. F. in this city, August next, are requested to notify Secretary W. J. Elliott, 54-56 Dey street, at the earliest opportunity. Teams from the under-mentioned cities have already signified their intention of taking part in the bowling tournament: Milwaukee, Buffalo, Detroit, Cleveland, Philadelphia, New York and Flatbush.

Adolphe Sachse arrived from Venezuela on the Caracas Friday last, where he had been collecting orchids for the past six months. Mr. Sachse was also in Colombia, but owing to the revolution existing there was unable to do any work. He reports that collectors in Colombia are experiencing great trouble in getting consignments to the coast, and that large supplies of Odontoglossum crispum are on that account likely to suffer materially, if not rendered useless. Every available native is impressed for war service.

Tuesday to Thursday of next week occurs the midsummer show of the American Rose Society at the Eden Musée. As the date set for the exhibition is a little early for the season it is hoped that all of our readers who can will send in whatever flowers are available, so as to make a creditable display. Entries should be sent to Leonard Barron, secretary, 136 Liberty street. There will be an interesting exhibit of wild roses from the Botanical Garden, and others of garden roses from several private establishments.

A new steamship line, operating between this city and Boston, direct "all the way by water," and also between this city and Providence, has been established by the Joy Steamship Co., whose office is at Pier 35, East River, foot of Catharine street. The trip to Boston by water will be found a most enjoyable one, and a novelty, besides having the advantage of being cheaper than that by other routes. By this line also, Providence can be reached as quickly as by other sound lines, and for less money. The Boston steamers leave Wednesdays at 5 p. m., and Saturdays at 7 p. m. Providence steamer leaves Tuesdays, Thursdays and Saturdays at 5 p. m.

VIOLETS MARIE LOUISE, plants out of 2½ in. pots, clean, healthy stock, $3.00 per 100; $25.00 per 1000. Cash with order. JAMES CRAWSHAW, 403 Plainfield Street, Olneyville, R. I.
Mention the Florists' Exchange when writing

8000 ROSES HEALTHY STOCK.
8000 nice plants of Brides and Bridesmaid, from 3 and 3½ inch pots, at $4.00 per 100, or $35.00 per 1000; 500 at 1000 rates.
Full line of BEDDING PLANTS cheap.
2000 Brides, Kaiserins and 'Maid roses, from thumb pots, ready for a shift, at $2.00 per 100. A bargain.
Will exchange some stock for Chrysanthemums.
Cash With Order.
W. T. HILLBORN, - Newtown, Bucks Co., PA.
Mention the Florists' Exchange when writing.

Fine Selected Clean Stock.
1000 BRIDESMAID .....4 inch pots
700 " ....3 " "
300 MME. CHATENAY .....3 " "
300 GOLDEN GATE .....4 " "
300 " " ... .3 " "
Low Price on application.
J. R. FREEMAN, 612 13th St., N. W. Washington, D. C.
Mention the Florists' Exchange when writing

SMILAX
Fine plants, 2 inch pots, $1.00 per 100; $8.00 per 1000.
ASPARAGUS Sprengeri, 2 inch pots, $3.00 per 100.
Plumosus Nanus, 2 inch pots, $4.00 per 100.
PRIMROSES July 1st, Chinese, Forbesi, Obconica, Grandiflora and Roses, $2.00 per 100.
PANSY SEED August 1st, $4.00 per oz. Cash, please.
JOS. H. CUNNINGHAM, Delaware, Ohio.
Mention the Florists' Exchange when writing.

BRIDE AND BRIDESMAID ROSES
From 3½ Inch Pots at
$4.00 per 100.
JAMES E. BEACH,
2019 Park Ave., BRIDEPORT, CONN.
Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Now is the time to plant them. We offer extra fine vigorous plants, from 2 and 2½ inch pots Everybody likes them; they are so strong and healthy that they surprise all of our new customers; our old customers, of course, always know what to expect, but even they occasionally tell us that our stock is getting better all the time. Following is a partial list.

EARLY	100	MID-SEASON	100	LATE	100
Ivory	$3 00	Major Bonnaffon	$3 00	Mrs. J. Jones	$4 00
M Henderson	3 00	Wm. Simpson	3 00	Liberty	4 00
Geo. S. Kalb	3 00	V. Morel	4 00	Merry Xmas	4 00
Merry Monarch	3 00	G. W. Childs	3 00	Autumn Glory	3 00
Willowbrook	4 00	H. W. Longfellow	3 00	E. Dailledeouze	4 00
M de Montmort	3 00	Mrs. Murdoch	3 00	Golden Wedding	6 00
Mrs J. Whilldin	3 00	Mrs T. L Park	6 00	Nagoya	6 00
John K Shaw	5 00	Black Hawk	4 00	Xeno	6 00
Golden Trophy	3 00	Mrs. C. H. Pierce	3 00	Harry Balsley	3 00
Glory of the Pacific	3 00	Mrs. H. Robinson	3 00	Adula	3 00
		Niveus	3 00	Mrs. Baer	8 00

In addition to the above we have a large list of new and other standard sorts. Send for complete list.

H. WEBER & SONS, OAKLAND, MD.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Major Bonnaffon, and 30 kinds, from 2¼ in pots, $2.00 per 100.

ASTERS Strong plants, Queen of Market, White and Mixed, at $1.00 per 100.

SURPLUS ROSES Cheap to close out, Kaiserin, Bride, Maid, Morgan, Camot.

J. W. HOWARD, Woburn, Mass.
RUSSELL STREET.

Mention the Florists' Exchange when writing.

VALUABLE NOVELTY

Beautiful New Foliage Plant.

CHRYSANTHEMUM GREEN AND GOLD

Leaves exquisitely variegated; pale lemon, yellow and light green, the yellow predominating. Lovely at all times, but when adorned with its immense double, fluffy, cream white flowers, beautiful to behold Comes true, rarely giving green shoots. DON'T FAIL TO TRY IT. $2.00 per doz.; $10.00 per 100. Send for Catalogue and Trade List

Mrs. Theodosia B. Shepherd, Ventura-by-the-Sea, Cal.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Mrs. O P. Bassett, L. Boehmer, Silver Cloud, Frank Hardy, Mrs H. Robinson, A. T. Ewing, Mrs. Perrin, Marion Henderson, Mrs H Weeks, Admiral Dewey, Minerva, Flor. Pullman, Simplicity, Glory of the Pacific, Eda Prass, Queen, Ivory, Pres. Smith, Miss M M. Johnson, Pitcher & Manda, Cullingfordii, Pink Ivory, Bonnaffon, Fisher's Torch, Mrs. Evan, Admiral Sampson, Jerome Jones, Yellow Good Gracious, Perle of Lyonnaise, H. C. Avery and Mrs. W. K. Vanderbilt.
Fine plant, from 2½ in. pots, $1.50 per 100.

Mammoth Verbenas, fine plants, from 2½ in pots $1.50 per 100.

Fuchsias, Speciosa and Black Prince, nice plants, from 2½ in pots, $2.50 per 100.

Geraniums, A good assortment of Double and Single, from 2 in. pots, $2.00 per 100.

Begonias, Alba Picta, Alba Perfecta, Hybrida, Marguerite, Dewdrop, Fuchsoides, Folioza Bertha, Carnot and McBethii, fine plants from 3 in. pots, $2.50 per 100 Extras added to help pay expressage.

FAIRVIEW FLORAL CO., Beatty, Ohio.

Mention the Florists' Exchange when writing.

New Chrysanthemums for 1900

BONITA Beautiful deep golden orange; a bold handsome flower, with good stem and foliage, 50 cts. each; $4.50 per dozen; $30.00 per 100

EULALIE The best anemone ever introduced for cut flowers, extra good stem and foliage, 50c. each; $5.00 per doz.; $35 a 100.

LUCIOLE A combination of pink carnation and lavender, a grand exhibition variety, 50 cts each; $4.50 per doz.; $25 per 100

SOUCI Beautiful clear yellow, form and color of Modesto but superior in every way 50 cts each; $4.50 per dozen; $30 00 per 100.

WINONA White base veined with clear pink; a grand commercial variety, 50 cts. each; $4.50 per dozen; $30 00 per 100

Also grand **New Set of Early Pompons,** 12 varieties, one of each for $2.25.

All the **New Varieties of other raisers** at advertised rates.

JOHN N. MAY, Summit, New Jersey.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Cullingfordii	**Mrs. Jerome Jones**
Glory of Pacific	**Mrs. S. T. Murdock**
Ivory	**Mme. F. Bergmann**
Minerva	**Rose Owen**
Mrs. J. G. Whilldin	**The Queen**

and other varieties, 2½ inch pots, **$2.00 per 100.**

ASTER.

Semple and Victoria plants, from seed bed, 25 cents per 100; $2.00 per 1000.

Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

IVORY 'MUMS

FINE STOCK, 2½ inch pots, **$2 per 100; $17.50 per 1000.**

Cash, please.

HENRY EICHHOLZ, - Waynesboro, Pa.

Mention the Florists' Exchange when writing.

Chicago.

Decoration Day Trade.

There is no indication of a falling off in trade in this city for Decoration Day. Florists now handle the bulk of the flowers called for. Conditions this year were favorable for big supplies, as comparatively cool weather has been the rule since the heated spell early in May. The quantities of stock Monday and Tuesday, at all the wholesale stores, was simply enormous, with quality for the season above the average. Shipping, especially on Monday, was grand; some of the retailers spoke of it as a notable feature with them even. This drew off lots of the high-grade flowers at good prices. In roses there were not enough to supply the demand. Prices were well maintained, the bulk selling for between $6 and $8 per 100; a few fancy special lots went above that figure, with culls at $4. Carnations were in big supply, selling freely; standards brought $1.50 to $2, most of them at the latter figure, $3 being the price for fancies. White were hardest to move, which condition holds good yet. There was an abundance of paeonies, which realized $3 to $5.

Everybody who had flowers seemed to have sent them in—Cape jasmines from Texas, paeonies from cold storage and direct from open ground, sweet peas house grown, and just coming in from outside, cornflowers, daisies, lilacs, snowballs, feverfew, hardy pyrethrums, valley, outside grown; stocks, candytuft, clematis, beautiful masses of Spiraea Reevesii, and other shrubs helped to swell the quantity and afford cheap material for those whose purses were low and yet wanted something in the way of flowers.

The plant trade was also a big feature, especially with those catering to cemetery trade. The season is backward, and much planting has yet to be done.

The cut flower trade is back to normal, depending upon school commencements, June weddings, etc. Prices, owing to heavy supplies, will rule low, except for very choice material. A few dozen Jacqs. showed up this week for the first time this season. Sweet peas are selling low this year, mostly of the Blanche Ferry variety. Lots of these bring but $1.50 per 500, the choicest, 40c. to 50c. per 100. Peonies realize all the way from $10 per 100 bunches to 30c. to 50c. per dozen for choice. Quantities are being shipped from Indiana, and Klehm is send ng in his choice stock.

Among Growers.

Singler Bros., Morgan Park, are keeping up the reputation of this establishment for carnations. Tidal Wave and its sport, Evanston, as well as Daybreak and McGowan, are at the present time a forest of bud and flowers. Scott will keep right on flowering until August, as disbudding is carefully attended to. For a dark they still grow their father's seedling, Harvard. White Cloud is well in crop just now, as is Flora Hill. Some good Gold Nugget were also noticed. Mrs. Bradt has never been entirely free of disease here, and is not looked upon with much favor. The firm has a field of 10,000 for Summer blooming, consisting of Mrs. Fisher, Scott and Portia. These were propagated last Fall and kept in 2½-inch pots for want of room. The stock for housing consists of 20,000 plants. Five thousand asters, planted out, are also in fine shape. The large flowering Marguerite has been a paying crop here. The same soil in the benches for carnations has been used many years, but enough of it is at hand, so that it gets a rest of two or three years before being used again. Most of the houses on this place were built twelve years ago, of clear pine lumber. There has never been a sash bar replaced, and these look yet as good as new, but the paint pot is not spared. The houses are attached even span, running north and south. When the father died, some seven years ago, he left nine children, all but the two eldest to be educated and taken care of. It is a pleasure to observe that the elder boys have done well by the family and kept up the father's good reputation. Ess.

Ottawa.

Spring is here with a vengeance, and the plant trade is rushing. Queen's birthday was kept as it should be—a holiday, very little being done by the florists; but since then every one has been kept hustling. A most noticeable feature is a great increase in veranda box orders. Hanging baskets are on the decline and from the experience of the past two years, if one has a houseful of scarlet geraniums, he is all right. Prices are about as in former years: Pansies, 40c. to 50c. per dozen; geraniums, $1.50 per dozen, good stock; coleus, achyranthes, centaurea, 50c. to $1. Pansies have been good, and sold well; up to date there is an increase over former years in the plant trade.

The cut flower trade has also been very good and stock plentiful and of good quality. An elaborate wedding decoration (for Ottawa) is a feature in this week's business.

We have just received our palms from Europe and they came in first class shape.

Carnations in the field are taking hold all right owing to the proper kind of weather. E.

For Stock—GERANIUMS Best bedders.
NEW COLEUS Grand, large leaved. From soil beds, transplanted. $1.50 per 100. Send for list.

DANIEL K. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing

200,000 Aster Plants

Strong, stocky plants, ready to plant out, Queen of the Market, Truffaut's Perfection, Comet, Victoria, and Semple's Branching. Semple's in mixed and separate colors; seed saved from the largest and most double flowers only. 50c. per 100, by mail, $1.50 per 500; $2.50 per 1000, by express.

GUSTAV PITZONKA, Bristol, Pa.

Mention the Florists' Exchange when writing

GERANIUMS

In leading varieties.

3½ and 4 inch pots, $5.00 and $6.00 per 100; extra good stock, $8.00 per 100; $60.00 per 1000.

CANNAS Florence Vaughan, Crozy, 4 inch pots, $6.00 per 100.

R. E. EDE, Parkville, BROOKLYN, N. Y.
CONEY ISLAND AVENUE.

Mention the Florists' Exchange when writing.

HELIOTROPE

2 inch, $2.00 per 100.

Merry Christmas 'Mums, 2 inch, $2.00 per 100.

Baby Primrose, $1.50 per 100.

Smilax, from flats $1.00 per 100.

Geraniums, 4 inch, single Gen. Grant, $6.00 per 100.

CASH WITH ORDER.

WM. KEIR, - Pikesville, Md.

Mention the Florists' Exchange when writing

GERANIUMS

Good varieties, from 4 in. pots, $50 a 1000.

Strictly Cash With Order.

L. I. NEFF, Florist, 218 Sixth Street, PITTSBURG, PA.

Mention the Florists' Exchange when writing.

Begonia, Gloire de Lorraine

H. B. May has a first-rate stock, ready for shipment in June. **Price, £25 per 1000,** accompanied by draft on a London bank. A customer in Philadelphia writes, under date of July 6th, 1899:

"I am glad to be able to say that the 500 Begonias arrived in first-class condition. I do not think we will lose a plant."

DYSON'S LANE NURSERIES,
Upper Edmonton, LONDON, ENGLAND.

Mention the Florists' Exchange when writing.

FOR SALE CHEAP

A No. 1 nice stock, in bud and bloom.

Verbenas, Petunias and **Fuchsias,** 2½ in. pots, 35c per doz.; $2.50 per 100.

Pansies, extra fine strain, in fine shape, 2½ in. pots, $2.50 per 100; 3 in. pots, $3.00 per 100.

Coleus, 2¼ in. pots, 4 to 5 inches, 10 to 15 varieties, $2.50 per 100.

Smilax, 2½ in. pots, $2.50 per 100.

Carnations, all sold.

Orders booked now for **Smilax** and **Campbell Violets,** 2½ in. pots, $2.50 per 100.

CASH WITH ORDER, PLEASE.

E. J. CLOUD, L. B. 32, Avondale, Pa.

Mention the Florists' Exchange when writing

Blooming Plants, nice strong, out 2¼ and 3 in. pots—**Nasturtium,** King of Tom Thumb. **Sweet Alyssum,** Little Gem. **Lobelia,** Emp. William, dark blue. **Phlox Drummondi,** Nana Compacta Hortensiaflora, pink. **Petunia,** Cal. Giants and dwarf inimitable, each kind, $2.00 per 100 Cash, please. **Shellbrook Greenhouses,** Grange P. O., Balt., Md.

Mention the Florists' Exchange when writing.

GERANIUMS In good varieties, in bud and bloom, 3½ in pots, per 100, $5. IVY GERANIUMS, in good varieties, in bud and bloom, 3½ in. pots, per 100, $5.00.

Fuchsia, 4 in. pots, per 100, $12.00. **Heliotrope,** 2 varieties, 2½ in. pots, per 100, $2.50. **Salvia,** 2½ in. pots, per 100, $2.50. **Ageratum,** Cope's Pet, 2½ in pots, per 100, $2.50. **Lobelia,** 2½ in pots, per 100, $2.50. **Single Petunias** 2½ in. pots, per 100, $2.50. **Periwinkle,** 3 in. pots, 100, $3. Cash with order.

WM. J. CHINNICK, Trenton, N.J.

Mention the Florists' Exchange when writing.

CYCLAMEN

PERSICUM SPLENDENS GIGANTEUM. Finest strain in the world. Now ready to ship a splendid stock of plants, in four separate colors, from flats transplanted, $3.00 per 100, $25 per 1000; from 2 in pots, $4 00 per 100, $35.00 per 1000; from 2½ in. pots, $5.00 per 100, $40 00 per 1000.

PELARGONIUMS. Mme. Thibaut, Victor, Mr. Masters, Fred Dorner, Mrs. Saudiford, from 2 in pots, $1.00 per doz., $8.00 per 100. Guaranteed strictly first-class stock.

PAUL MADER, East Stroudsburg, Pa

Mention the Florists' Exchange when writing.

COLEUS!

Crimson Verschaffeltii, Golden Queen, Golden Bedder, and Mixed Rooted Cuttings, 60c. per 100; $5.0 per 1000. 2 in. pots, $1.50 per 100

HELIOTROPE, 12 varieties, 2 in. pots, $2 per 100

GERANIUM, Pink Beauty, 3 in. pots, $3.50 a 100.

ALTERNANTHERAS, 2 in. pots, P. Major, $1.75 per 100; A. Nana, $1.50 per 100.

PANSY PLANTS, in bloom, extra choice colors, stocky plants, $1.00 per 100; $8.00 per 1000.

Cash With Order.

C. A. HARRIS & CO., Delanson, N. Y.

Mention the Florists' Exchange when writing.

CLOSING OUT PRICES



Carnations Strong, ready to set out in field:

	100	1000
Flora Hill	$1 00	$9 00
Wm Scott	.80	7 00
L. McGowan	.80	7.00

Fuchsias rooted cuttings, all named and good, $1.00 per 100.

Petunias the best, $1.00 per 100

Ageratums 50 cts. per 100.

Heliotropes Rooted cuttings, 10 best varieties, 80 cts. per 100; $9.00 per 1000; 2 in, $2.00 per 100; 4 in., very fine, at 80 cts per doz, $7.00 per 100.

Coleus 70 cts per 100; $6 00 per 1000.

30,000 Violet Runners, California, $1.00 per 100 $8.00 per 1000.

20,000 Smilax Fine 2 inch plants, $1.25 per 100 $10.00 per 1000.

VERBENAS ALL SOLD.

Express prepaid on all rooted cuttings, and sure to please you.

C. HUMFELD,
VERBENA KING,
CLAY CENTER, KANSAS.

Mention the Florists' Exchange when writing.

A Few Good Things You Want

Asparagus Sprengeri, 3 in., $8 00 per 100; **Rex Begonia,** 3 in., mixed, $6 00 per 100; 2½ in. $4 00 per 100. **Marguerite Daisy,** large flowering white, 2 in., $3 00 per 100. **Nephrolepis Cordata Compacta** and **Boston Fern,** 2 in., $4.00 a 100. **Kentia Belmoreana** and **Forsterlana,** 4 in., nice plants, 40c. each; 3 in., 20 cts. each.

GERANIUMS Bonnatt, Single and Double Grant, Rev. Atkinson, Mrs. E. G. Hill and S. A. Nutt, 3 in., $5 00 per 100.

DRACÆNA INDIVISA 3 in., $5.00 per 100.

ENGLISH IVY and **Ampelopsis Veitchii,** 2 in., $3.00 per 100.

CAMPBELL VIOLETS, Rooted runners, 50 cts. per 100.

COLEUS Rooted cuttings, 60c. per 100; 2 in., $2.00 per 100.

SALVIA **Clara Bedman,** best variety, 2 in., $2 00 per 100.

VINCA VAR. 2 in., $3.00 per 100; 3 in., $5.00 per 100.

AGERATUM Blue and white, 2 in., $2.00 per 100.

SMILAX 2 in., $2.00 per 100.

BRIDESMAID ROSE 3 in., $5.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

READ THIS NOW

WE HAVE WORKED IT OVER FOR YOUR BENEFIT

ROOTED CUTTINGS.

	Per 100
Anthemis, Double Yellow Marguerite, 2¼ in.	$3 00
3 in.	6 00
Alternanthera, 2¼ in., $20 a 1000;	2 50
Abutilon, Var. Trailing, 2¼ in.	4 00
Begonia Rex, 2¼ in.	4 00
4 in.	10 00
Coleus, 2¼ in.	3 00
Centaurea Gymnocarpa, 2¼ in.	2 00
Cobæa Scandens, 2¼ in.	3 01
3 in.	5 00
Dracæna Indivisa, 3 in.	8 00
3½ in.	10 00
4 in.	15 00
4½ in.	25 00
5 in.	35 00
6 in.	50 00
Fuchsias, 2¼ in.	3 00
3 in.	4 00

	Per 100
Fuchsias, Trailing Queen, 2¼	$4 00
Ficus Elastica, 3½ in., $1 per doz.	
Geraniums, Mars, 2 in.	4 00
Mars, 2¼ in.	6 00
3 in.	8 00
Rose Scented, 2¼ in.	3 00
Mme. Bruant, 2 in.	4 00
S. A. Nutt, 2¼ in.	3 00
3 in.	6 00
La Favorite, 3 in.	6 00
2¼ in.	3 00
Mme Salleroi, 2 in.	2 00
2¼ in.	$2 50 to 3 00
3 in.	6 00
Ivy, mixed, 2¼ in.	3 00
German Ivy, 2¼ in.	2 00
Lobelia, 2¼ in.	2 00
Maurandya Vine, 2¼ in.	2 00
Manettia Bicolor, 2¼ in.	3 00

	Per 100
Nasturtium, Trailing, 2¼ in.	$2 00
Pyrethrum, Golden Feather, 2¼ in	2 00
Little Gem, 3½ in.	4 00
Pansy Plants, in bloom	1 50
In bud	$8.00 per 1000; 1 00
Petunias, single, 2¼ in.	3 00
Single, 3 in.	4 00
Double, 2¼ in.	6 00
3 in.	8 00
Palm, Washingtonia Filifera, 2¼ in.	4 00
3 in.	6 00
Salvia, 2¼ in.	2 50
3½ in.	4 00
Vinca, 2¼ in.	3 00
3 in.	5 00
3½ in.	8 00
4 in.	10 00
5 in.	15 00

WRITE US FOR PRICES ON 1000 LOTS.

	Per 100
Alyssum, Double Giant	$1 00
Variegated	1 25
Abutilon, variegated	1 50
Ageratum, Blue and White	1 00
Princess Pauline	1 25
Anthemis Cor., (Double Yellow Marguerite)	1 50
Coleus, per 100, $7.00	80
Fancy	1 00
German Ivy	1 25
Geraniums, Sweet Scented	1 50
Assorted	1 50
Mixed	1 25
Happy Thought	2 00
Freak of Nature	2 50
Bronze	1 50

	Per 100
Geraniums, Silver Leaf	$1 50
Mrs. Pollock	2 00
Mrs. Parker	4 00
Mme. Salleroi	1 25
Mars	2 50
Mme. Bruant, Mme. Taylor	2 00
Dr. Livingston	2 00
Impatiens Sultani	1 50
Heliotrope	1 25
Lemon Verbena	1 50
Manettia Bicolor	1 50
Pyrethrum Little Gem	1 50
Pelargoniums, mixed	3 00
Salvia	1 25
Stevia Var.	1 50
Vinca Var. $10.00 per 1000	1 25

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

BEDDING PLANTS

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	Per 100
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Feverfew, Little Gem, 3 in.	3.75
Dusty Miller, (Gym), 3 in.	2 50
Verbenas (Mammoth), 2 in.	1.50

Alternantheras—
A Nana, rooted cuttings, strong, per 100, 60c.; per 1000, $5 00.

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1000 Red Vernon Begonias, 2¼ in.	1.50
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Salvia Splendens, from 3 in. pots, at $3.00 per 100.

Alyssum, Double Giant, from 3 in. pots, $4 00 per 100.

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Cuphea, Platycentra, 2¼ in. pots	3.00
Carnations, in bud and bloom, 4 in. pots	12.00
Fuchsias, double and single, 2¼ in. pots	3.00
" " " 3½ in. pots	8.00
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Solanum Capsicastrum, 2 in.	$1 50
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Aspidistra, 100 leaves	4 50
Asparagus Sprengeri, 2 in.	2 00

A. C. FEHR, Belleville, Ills.

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FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO., LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

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To foreign countries in postal union $2.00.
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BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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The German Rose Society will hold a congress at Trier, from June 27 to 30 next. There will also be held in connection therewith an exhibition of roses, which will last until October. About 30,000 outdoor roses will be exhibited, together with cut flowers and made-up work.

An Otago, New Zealand, paper, of April 27 last, contains an interview with the veteran Peter Barr, of London, who has been telling the New Zealanders how to make their public grounds attractive. Mr. Barr, during his stay in that city, was the guest of the Mayor and the president of the Reserves Conservation Society.

Gorton & Lidgerwood Co.'s Catalogue.

We are in receipt of a copy of this handsomely gotten up publication, from the firm of Gorton & Lidgerwood Co., 96 Liberty street, New York. The pamphlet contains a host of useful information on the subject of heating generally, and descriptions of the firm's now well-known side feed, hard and soft coal boilers, besides numerous illustrations of same in two colors. The many testimonials printed in the catalogue demonstrate the efficiency of these heaters.

Our Prize Competitions.

Photographic Competition.

MONTH OF MAY.

The result of the first month's competition has been somewhat disheartening; but two competitors entered the contest, and no photograph has been received which could be declared worthy of the first prize.

We look for better results and a more animated contest in this month of June. Certainly, there must be over one hundred good amateur photographers among our subscribers (it would be to the interest of all to be able to portray their own blooms, plants, etc.), and if even a limited number of aspirants would enter the lists some good subjects could be shown, somebody's name be brought to the front, and the first prize for that month turned over to the most worthy.

Therefore, lady and gentleman amateur photographers of the trade, do not remain in the background; the FLORISTS' EXCHANGE is waiting to hear from you, and the trade also.

Pamphlet, "Practical Photography for Florists," with prizes, terms and conditions of contest, sent free on application to this office.

Commercial Home Grounds.

PRIZE COMPETITION.

The FLORISTS' EXCHANGE published full details of this contest early in the season (May 12 issue, page 500), so as to give every one interested ample time in which to prepare themselves.

It is not a condition of same that formal entries should be made, but as this office prefers to supply the drawing paper and character designs, we would like inteading competitors to make early application for these.

This contest should prove of great value to all participants, inasmuch as they will be able to compare the ideas of others in the same line, and secure, free of all charge, the advice of so eminent a landscape architect as Mr. Warren H. Manning, of Boston, who will pass on all plans submitted in competition, and make such suggestions for improvement as he may deem proper in order to secure the most desirable results.

Hundreds, yes, almost thousands of retailers in the trade could materially better and increase their business by themselves setting an artistic example of beautiful and harmonious surroundings to the people on whom they depend for their livelihood. There is nothing more telling than a good example, mentally, morally and physically, and, chief among the good examples, one of the most readily comprehended, understood, and then desired, is that of a charmingly laid out garden and home surroundings; a picture of perfect peace and contentment, appealing so vividly to the eye and the heart that all who see it become at once impressed with the desire to imitate it to the best of their ability and resources.

May we not have a hearty, healthy competition; something to be proud of now as well as later on, when those who have been active participants therein realize the good it has done, not the least part of which will be the swelling of their own pocketbooks.

Sweet Pea Bicentennary Celebration.

The sweet pea bicentennary celebration and exhibition will be held in London, July 20-21 next. The congress and show will take place in the Crystal Palace. In connection with the conference arrangements have been made for papers to be read as follows:

"The History of the Sweet Pea," by S. B. Dicks; "The Evolution and Improvement of the Sweet Pea," "Classification of Sweet Peas," "Sweet Peas in America," by Rev. W. T. Hutchins, and "Some New Points in the Cultivation and Decorative Use of the Sweet Pea." Fifteen judges, including three ladies, have been selected for the competitive exhibits, and the Exhibition Committee will judge the trade exhibits. Applications for space should be made to R. Dean, Ranelagh Road, Ealing.

Stigmonose—A Carnation Disease.

Mr. Albert F. Woods, Assistant Chief of the Division of Vegetable Physiology and Pathology of the Department of Agriculture, Washington, has just issued a most interesting report (Bulletin No. 19) on a disease of carnations and pinks, to which he has applied the name "Stigmonose" or puncture disease.

This disease, which it is stated is a serious drawback to the successful growing of the carnation, has until recently been attributed to bacteria, and given the name "bacteriosis." From numerous experiments and careful observation Mr. Woods has now concluded that the trouble is due to the punctures of insects, principally aphides and thrips, and of mites. Although these are the inciting cause of the disease the pathological and physiological changes involved are dependent to a large degree on the condition of the plant and the time the punctures are made. The effect of the disease on the plant as a whole is thus described by Mr. Woods:

"The effect of the disease on the plant as a whole depends upon the individual vigor of the plant and upon the number of punctures. A few punctures made by aphides, thrips, or red spiders will not seriously injure a plant, but a large number will cause it to become prematurely stunted and yellowish and also more susceptible to injury from various causes, especially parasitic fungi, which attack the weak stems and roots. Thrips, even though not numerous, may often cause the leaves of healthy, vigorous plants to become much distorted and show light blotches where they have been punctured. The value of flowers punctured in this way is, of course, materially reduced.

"Red spiders seldom do much injury unless the foliage of the plants has been kept very dry. The stunting of the plants which follows a severe attack of any of these animal organisms brings about a premature ripening of the lower leaves, especially if the plants are rather crowded, and such leaves gradually turn yellow and die. Any other cause which stunts the plants growing under the conditions mentioned, however, will bring about a similar maturing and death of the lower leaves.

"The susceptibility of different varieties of carnations to the injury seems to be, as a rule, proportionate to the normal vigor of the variety under the conditions in which it is growing when attacked. The constitutions of certain varieties seem to be very sensitive to injuries of this kind, while others are not, and while the sensitiveness, or resistance, as the case may be, is influenced to a large extent by the conditions of growth and the manner of propagation and selection of cuttings, yet this natural inherent constitution of each variety is the only explanation of the different degrees of susceptibility of different varieties.

Among the varieties which the writer has had under observation, Uncle John, Alaska, Della Fox and McGowan, as a rule, proved to be very sensitive to the punctures of not only aphides, but also to those of thrips and red spiders. Vigorous plants of the variety Storm King spot readily as the result of the punctures of aphides, but do not appear to be otherwise injured much, while weak plants of this variety become badly stunted and lose many of their leaves. The same may be said of Bridesmaid, Sweet Brier, Scott, Garfield, Daybreak, Meteor and Jacqueminot. Garfield and Daybreak are much more injured by thrips than by aphides. Among the other species of Dianthus, D. arenarius is particularly sensitive to aphis punctures, especially if the stem is much injured, in which case the plants often die. D. fanatica, D. caesius, D. chinensis, D. atrobens and D. plumarius are less sensitive, but spot readily from punctures of aphides, thrips, and red spiders. D. chinensis Heddewigii and its varieties, especially the thin-leaved sorts, are particularly sensitive to the punctures of aphides and thrips, and are quite sensitive also to the punctures of red spiders.

As to methods of controlling the disease it is stated:

"As the result of their investigations, Arthur and Bolley recommended that aphides be kept down as thoroughly as possible and that particular care be taken not to wet the foliage in watering. These recommendations were based on their theory that the aphides serve in a measure as carriers of the disease, and that water facilitates the development of the bacteria that were believed to be the cause of the malady.

"There is much to commend in the methods of watering suggested by Arthur and Bolley, and their efforts in stimulating search for better methods of staking the plants so as to keep the foliage more exposed to light and air have also resulted in much benefit. The increased vigor resulting from the use of these improved methods, however, was not due to a decrease in the number of spots, as was first believed, but to the fact that the total injury resulting from punctures was reduced.

"The genus Dianthus is adapted to dry situations, but all the species are nevertheless often exposed to drenching rains when growing under natural conditions, and the thick-leaved varieties are well adapted to shed water. Growers generally believe that the proper syringing of plants with water under a pressure of 20 to 25 pounds is valuable, and the writer's observations lead him to the same conclusion. It must be remembered, however, that this work should be done in bright, clear weather, so that the foliage will dry thoroughly before night. Proper syringing of plants instead of favoring stigmonose is an important factor in holding it in check, as it keeps down red spiders, and in a measure helps to reduce the number of aphides, thrips and similar insects. To keep down aphides, however, tobacco in its various forms must be mainly relied on. Carnation growers are so familiar with the methods of using tobacco that nothing need be said upon this subject here. It must be borne in mind, however, that healthy plants cannot be obtained unless the insects and spiders are prevented from getting too much of a start, hence fumigation and syringing should be so timed and so carried on that these pests will be held in check.

"The various forms of tobacco extract used in liquid form, and also when evaporated by means of hot irons, bricks, etc., have certain advantages, chief of which is that the flowers are less injured by the disagreeable odors. Hydrocyanic acid gas has been found effective, but it can not be recommended unqualifiedly, owing to the fact that it is likely to injure certain varieties. Scott, Garfield, Meteor and McGowan can stand one-tenth gram of 98 per cent. potassium cyanide per cubic foot of space for 15 minutes without material injury. This will kill about 90 per cent. of the aphides, but will not kill thrips or spiders. A stronger dose of gas or a longer exposure can not safely be recommended.

"It has been found that different plants of the same variety react very differently to the punctures of both insects and spiders, and this shows the importance of a rigid method of selection for the purpose of building up a vigorous strain of plants. In propagating plants preference should always be given, other things being equal, to those which show the least evidence of stigmonose. Some plants will be found almost entirely free from it, and it would probably be well to start selection work on a small scale from such stock and continue it from year to year until a more resistant strain is obtained. The writer is satisfied that such a practice would result in much benefit at once, and that within three to five years the vigor of the stock might be materially increased."

Mr. Wood's conclusions are as follows:

(1) The disease of carnations characterized by the symptoms described in this bulletin is widespread, and under certain conditions unfavorable to the plant it is quite injurious.

(2) So far as can be determined by the most careful microscopical study and bacteriological tests, neither fungi nor bacteria are present in the earlier stages of the disease.

(3) As the disease progresses various fungi and bacteria may appear, but their presence is not constant.

(4) Infection experiments with bacteria and fungi, especially with the germ described as Bacterium dianthi, carried out under the most rigid bacteriological conditions, resulted negatively in every case.

(5) A disease having all the characteristic symptoms of the so-called "bacteriosis" except the presence of bacteria, is produced by the punctures of aphides, as was repeatedly demonstrated by colonizing these insects on carnations.

(6) That aphides and not bacteria are responsible for the trouble is shown by the fact that the injuries produced are not accompanied in the earlier stages by fungi or bacteria. The aphides therefore cannot be looked upon as simply carriers of some fungus or bacterium, as they produced the disease on plants growing under perfectly antiseptic conditions as quickly as upon those not protected by antiseptics.

(7) Injuries similar in many respects to those produced by aphides also result

from the attacks of thrips—insects which are often present on carnations growing under glass, although sometimes overlooked by growers. Another form of the disease is produced by red spiders.

(8) No matter how badly diseased plants may be, if otherwise vigorous they will grow out of the disease entirely, and the young leaves and shoots will remain free from spots if kept completely free from aphides, thrips and red spiders.

(9) As the disease is not due to bacteria the name "bacteriosis" is inappropriate and therefore stigmonose is suggested for the trouble.

(10) The carnation is readily influenced by the conditions under which it is grown, and as a result its reaction to the injuries of the aphides, thrips and spiders, and its susceptibility to their attacks, not only varies in different varieties, but also in individuals of the same variety. Plants grown under improper conditions, therefore, show more of the characteristic injuries from a given number of punctures than do plants growing where all the conditions are favorable. Certain plants rich in oxidizing enzyms have been shown to react more quickly to the work of puncturing insects and mites than plants poor in these enzyms.

(11) The size of the spots made by the punctures of aphides increases in proportion to the rapidity of growth of the leaf and the susceptibility of the plant, and also depends to some extent on the genus and the species of insect which makes the puncture. It is believed that the insect injects some irritating substance of an acid or enzymic nature into the wound, that this substance causes the increase of oxidizing enzyms in the cells which it reached, and that these enzyms interfere with the nutrition of the cell by destroying the chlorophyll and setting up other changes which finally result in death.

(12) Besides the carnation and different species of Dianthus many other plants react similarly to the puncture of aphides and other sucking insects, and also to mites.

(13) The grower can successfully combat this disease by the proper selection of cuttings, careful propagation of stock, good soil, the proper amount of moisture, light and air, and by the reduction of aphides, thrips and red spiders to a minimum.

The Bulletin is illustrated with several plates, one of them, colored, showing the nature of the disease.

Society of American Florists and Ornamental Horticulturists.

DEPARTMENT OF PLANT REGISTRATION.

Richard Gardner registers seedling canna "Bobs;" a dwarf variety of the French type, growing about 18 inches tall; foliage thick, leathery and dark green; flowers orange scarlet, sometimes slightly margined with yellow; petals 1½ inches wide, spike compact.

W. J. STEWART, Secretary.

New York Convention.

Important Notice.

S. A. F. members who have attended previous conventions and know something of the discomforts of waiting in line for an opportunity to pay assessments and procure badges, do not need to be reminded to forward their dues to the secretary in advance and thereby contribute to their own comfort and facilitate the secretary's work. To those joining the society this year, however, this advice is given with much earnestness. The crowd at the New York Convention will be unprecedented. Dues cannot be paid while meetings are in progress, and hundreds of applicants will be demanding attention before the opening session on the morning of the first day, the possession of a badge *and membership receipt for 1900* being absolutely necessary before any individual can sign the roll book and receive invitation cards for the various entertainments provided by the New York Florists' Club, including the ladies' ride, which is planned for the afternoon of the first day. Memberships paid at any time during the year expire on December 31, so there is no advantage in deferring payment until August. On receipt of $3 from those who have paid membership dues for 1899, and of $5 from all others, certificate and badge for 1900 will be mailed promptly from the secretary's office. *Preserve your certificate* and bring it to the convention with you.

WM. J. STEWART, Secretary.
67 Bromfield street, Boston, Mass.

Park and Outdoor Art Association.

The fourth annual meeting of the above society opened in Fullerton Hall, Art Institute, Chicago, June 5, President Charles M. Loring in the chair, Warren H. Manning, of Boston, secretary; the objects of the society are the promoting and conserving of natural scenery; the acquirement and improvement of land for public parks and the advancement of all outdoor art having to do with the designing and fitting of grounds for public and private use and enjoyment. Eighty-five cities and towns in 28 states and in Canada are represented. According to the secretary's report the membership now numbers 400—a gain of 100 since the meeting last year in Detroit. Among these are many of the prominent men of the country.

A number of park men and others interested in such work in this city were present at the meetings.

The program laid out provided for work in the morning, visiting the parks and drainage canal in the afternoons, with lectures at night and a banquet at the Auditorium on Wednesday evening.

The present officers are: Charles M. Loring, Minneapolis, president; John C. Olmsted, Brookline, Mass., E. J. Parker, Quincy, Ill., Lewis Johnson, New Orleans, La., M. L. Moore, Toledo, O., L. Wolverton, Grimsby, Canada, and Thomas H. McBride, Iowa City, vice-presidents; Warren H. Manning, of Boston, secretary, and Osian C. Simons, Chicago, secretary.

Dr. Taylor, in behalf of the Mayor; Wallace Heckman, on behalf of the Art Association, and Peter B. White, on behalf of the Art League of Chicago, welcomed the guests to this city. President Loring replied and then read his annual address, summarizing what the society had done during the year. Impromptu addresses were made from the floor by delegates E. J. Parker, president of the Quincy Park and Boulevard Association, and Sidney Foster, of Des Moines, strongly advocating the establishment of a system of prizes for stimulating landscape art among schools in towns and cities. Mr. Parker suggested that if the school grounds were made play grounds it would be beneficial.

In the afternoon, after spending an hour or two in the Field's Museum, the delegates were driven in coaches furnished by the South Park Commissioners, through Jackson Park and the Midway Plaisance, where they could see the changes since World's Fair days, thence to Washington Park to the park conservatories for a halt, returning over Drexel and Grand Boulevards to headquarters, at the Auditorium annex, on Michigan Boulevard. On Wednesday afternoon the West Park Commissioners took the delegates from the Auditorium Hotel, through Douglas, Garfield and Humboldt Parks. On Thursday the Board of Lincoln Park Commissioners took them for a ride through the Lincoln Park system and to other points of interest. On Friday an excursion was given the delegates to the drainage canal, which proved of profound interest.

On Tuesday evening a very interesting lecture, illustrated with stereopticon views, was delivered by J. H. Patterson, and E. L. Shuey, of Dayton, O. The views showed the homes of the laboring people of Dayton before and after systematic attempts had been made to improve them by artistic grouping of shrubbery and flowers. "We have found the moral effect of beautifying the homes of the people most gratifying," said Mr. Patterson. "We all know that every one is interested by his surroundings, and if they are made attractive and beautiful the influence cannot be but good."

Mr. Shuey said that he had endeavored to collect all the available statistics, photographs, and other information of the history of such experiments among manufacturing establishments in this country, that only about half a dozen great concerns in the whole of the United States made any attempt whatever to beautify and make their surroundings artistic and appealing to the eye. He presented a number of views of notable examples of such experiments in England, and several in this country.

Wednesday morning session was opened by the secretary reading a lengthy paper prepared by Mrs. Cyrus H. McCormack, subject, "Landscape Gardening." The essayist traced the work from Eden up to the present time.

A long report of the committee on billboard nuisance was preceded by a series of stereopticon views shown by Mr. W. M. R. French, director of the Art Institute, demonstrating the horrible condition this practice had reached on the park fronts and boulevards of Chicago. The report, which was read by the chairman, Mr. Olmsted, certainly gave much food for thought, and the recommendations of the committee looking toward aiding in abating the nuisance are likely to do much good. Several members spoke on the subject, including G. Van Seven, Dr. Folwell, Messrs. Peterson and Shuey, of Detroit; Mr. Parker, of Carthage, and Mrs. Hall, of Milwaukee, who recommended that the society make more direct appeals to the ladies for aid in furthering their objects.

Mr. French, Director of the Chicago Art Institute, gave a splendid talk, and made some off-hand drawings to illustrate the use of trees in landscape work. Trees and grass the speaker considered the grand feature around the abode of man, and the manner in which vegetation was arranged either marred or made the picture. By a few dashes of color he easily showed what was improvements or injuries. ESS.

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The Benefits of Organization.

Read by Wm. J. Stewart before the Philadelphia Florists' Club, June 5, 1900.

A decade seems a fairly long time when one is looking forward, but it passes rapidly, and, looking back, we are astonished at its brevity. The young man lives in the future, but as age comes upon him he is inclined more and more to indulge in meditation over by-gone days. If one who has reached or passed the meridian of life wishes to retain youthful associates and retard as long as possible the evidences of his rapidly accumulating years, let him watch out and avoid getting too much into the habit of everlastingly telling about what happened 10, 20 or 40 years ago. A little of it is all right, but carry it beyond a reasonable limit and one is apt to soon find his listeners reduced to a bunch of old fogies like himself. Knowing this I have approached the subject assigned me by your committee with some misgivings, not being disposed as yet to line up in the columns of "has beens." Without, however, indulging too freely in tiresome retrospect or exploring too deeply in ancient history, we may, perhaps, spend a brief time profitably in reviewing our achievements for the past decade, and thus acquire fresh courage and incentive to face the problems which await us in the future.

Ten years ago the Society of American Florists was in its sixth year. The Buffalo Convention had passed into history. The Boston fraternity were busily engaged in the work of preparation for the approaching visit of the national society to the Hub. The Philadelphia Florists' Club was already a prosperous young organization with a proud record and a promising outlook, while here and there throughout the country the good example set by them was being imitated, and florists everywhere were awakening, for the first time in their lives, to the grand social and material advantages afforded by these useful local bodies.

So ready had the national society found the field and so effectively had it started in on the work to which it had pledged itself, that, even then, the record of its services in the cause was one of which it might rightly feel proud. From the convention reports of the period we learn what questions were being discussed and what important problems we were endeavoring to solve. The standard flower pot had just been adopted, and the trade was in the transition period from the old unsystematic conditions to the improved order of things which it now seems hard to believe we could have dispensed with for so long a time. Yet, as with all reforms, the change was not made without opposition, nor was it accepted with unanimity even by those who would benefit most. A perusal of the records of the trade exhibitions at our annual conventions will bring us to realize, as much as anything else, the great practical strides we have been making, and the many devices and improvements that date their introduction from their exhibtion on these occasions bear testimony to the ingenuity and genius of our colleagues whom we are thus encouraging to develop those practical and mechanical industries so closely linked with our own profession.

The comparative merits of steam and hot water heating for greenhouses furnished a prolific theme for discussion in the earlier days; and how hot the supporters of each system were wont to get! Scientific versus practical education for young gardeners! Ah, there was a veritable jaw breaker. While it is true that questions such as these are rarely settled for good and all, and that the lapse of time is often the only tribunal that can determine the facts, yet the educational value of their discussion can hardly be over estimated. Jumping over the intervening years, who will say that, in our profession to-day, both practical and scientific knowledge do not exist in much greater degree than ever before, or that we have yet reached that stage where we have a sufficient supply of either of them? Although we scarcely realize how great is the advance until we sit down and compare the olden time with the present, the problem of the higher education is slowly but surely settling itself. The floricultural world "do move," and, whether or not we individually desire it, we have all been advancing steadily with it, so that to set back the average intelligence of the florists' trade, as it exists to-day, to the average as it was 10 years ago, would be a calamity as great as, if not greater, than it would be to reconstruct every feature of our modern greenhouse, according to the standard existing prior to that time.

McMillan's memorable satire on the prevalent style of formal gardening was the most notable feature of the Buffalo Convention. It precipitated a controversy that extended over several years, and was the severest blow ever dealt in this country against the artificial and abnormal in gardening. The seed planted at that time has been bearing fruit ever since.

The reform in the matter of plant nomenclature which has taken place can scarcely be realized, except by those who knew what were the conditions existing up to a dozen years ago, and who remember the delight with which the agitation of the subject and the appointment of a committee by the S. A. F. was welcomed by the suffering trade all over the country. Thanks to that movement, plants are no longer renamed at will by unscrupulous or ignorant dealers, and humbug has given way to reliability. Few committees ever accomplished so much with so little effort. There were a few short, sharp tussles at the outset, and then publicly and public approval took up the work and helped prepare the way for the systems of registration which are proving so serviceable to-day in protecting the right of the originator and of the buyer.

Thus we find our entire profession elevated in a practical way through the interchange of experience and intercommunion of bright intellectual minds which our trade organizations, together with the invaluable co-operation of an enterprising trade press, have made possible. With aggressive persistence and far-reaching effort the campaign of education goes forward. The fittest are forging to the front as greater intelligence gives a well-directed impulse to enterprise. The floricultural trade is becoming barren ground for adventurers. Catalogue men and advertisers are more careful in their representation of the goods they offer, not alone because of a higher integrity, but also because they know that they are dealing with a more enlightened clientage. It doesn't pay, nowadays, to misrepresent varieties; it doesn't pay to ship stale flowers as fresh; it doesn't pay to raise "any old thing" for the plant or flower market; the buyers are too well informed to be handled that way any longer. On the other hand the man of doubtful responsibility or unsavory record finds it more and more difficult to obtain credit, as the old loose habits give way to correct business methods. For the remarkable progress in cultural skill, too, the improvement in varieties of florists' flowers, and the advancement in gardening art along rational lines we are deeply indebted to the influence and work of our societies. It was organization that gave us the chrysanthemum shows and made possible the tremendous wave of popularity that flower enjoyed. Organization has in a few years raised the carnation to an eminence which it could not otherwise have reached in our lifetime.

Looking back over 10 years and comparing men and conditions as they existed then, and as we see them to-day, there are in evidence a much smaller percentage of those who "know it all." Positive opinions are not so prevalent, and instead of the "knowing shake of the head" is seen a healthy desire to learn and to improve. The intolerance that in the past fostered a disposition to mislead the inquirer has given way to a generous spirit that recognizes our obligations one to another, engenders that good feeling between business rivals whereby each recognizes that he, individually, does not hold a patent on all the integrity, and that his fellow florist is not necessarily a rascal because he does business on the same street. The incentive in all this is organization, which, by bringing us into personal contact with each other, has enlarged our business capacity, strengthening our executive ability and developed our common sense, so that, instead of wasting time and effort in trying to pull one another down, we unite with a will to uplift the whole outfit. Even this is uphill work. Deep-seated prejudices cannot be attacked without stirring up opposition, and the process of correcting abuses involves trouble for somebody's toes always. In the American Florist of 10 years ago last September we read the following: "From its inception the Society of American Florists has been a chosen mark of the critics. At first they would hardly allow it a twelvemonth in which to die and be buried. When that period had passed, a rousing meeting closing the year and a new prediction must be hazarded, they saw swift decay in the rule of cliques and in other dimly outlined evils. The fifth annual meeting just closed has proven no exception in its disappointment of this class. They said the end had been reached and all the changes rung—the florists had learned all the society could teach. What a further disappointment will it be then to know that the universal opinion is that in all that makes the gathering of real benefit to the florist the last is still the best." Well, the S. A. F. is still a very lively corpse and apparently growing more tenacious and invincible every year.

And how has the Philadelphia Club been progressing during all this time? Sorry to remind you of it, and wouldn't do it except for the sake of comparison, but according to the records of the bowling tournament at Buffalo in 1889 Philadelphia had the honor of having made the lowest score in the series—571. Glance at the score books to-day and tell us whether organization is helpful or not! Invincible with the balls, the gun or the shuffleboard—more trophies in the show case than are possessed by the whole push of florists' organizations put together—the Philadelphia Florists' Club is a peach and a shining example of what organization and fraternal standing shoulder to shoulder together can accomplish. In Boston our social opportunities in societies and clubs seem to have developed a fondness for good living rather than for athletic diversions, and the only active florists' organization has a banquet at every meeting. Thus we are assured of having every member in that sublime condition consequent upon a well filled interior when he is at the highest degree of geniality. I trust you will not accuse me of unseemly boasting, but I am inclined to think that Boston stands as pre-eminent in gastronomy as does Philadelphia in athletics. Her trophies won in many a hard fought tournament are not to be seen in any show case, but are evidenced in the ample and constantly increasing waist circumference of her representatives! Yes, Boston is matchless, too, in her own favorite game, and she is about to build a horticultural hall big enough to hold all her solid men without crowding, and still have room left for our friends from everywhere, whom we hope to be able to welcome on and after May 1, 1901, in one of the grandest edifices ever dedicated to horticulture.

The individual benefits in numberless ways through the wholesome contact with his fellows which organization encourages. How many eloquent orators, how many astute parliamentarians, how many exquisite singers have come to light under the quickening influence of this great developer—entertaining us unselfishly and brightening our existence by their admirable social traits that otherwise might have remained dormant for all time. The evolution of the "Brave old Duke of York" is alone a triumph sufficient to justify the formation of the Philadelphia Florists' Club, if it never accomplished another thing. Its gifted yet unpretentious exponent has given more genuine pleasure in its tuneful strains, so artlessly rendered, than has been derived from any other social feature of our national gatherings. Philadelphia is well supplied with such congenial spirits. Your grandest trophies are not exhibited in that show case that adorns your club room, but are safely stored in the breasts of a thousand fellow florists who have tasted your boundless hospitality, well lubricated with the good cheer which John Westcott dispenses so liberally. I recall by the way that Mr. Westcott 10 years ago gave it as his opinion that a retailer should make not less than 100 per cent. profit on all flower sales. Wonder whether his views have changed any with the lapse of a half score of years?

Notwithstanding all the good accomplished there is still plenty to do, many things proposed but not yet a reality. A reliable chart of the hail belt is wanted; all the scoundrels are not yet blacklisted; the imaginative newspaper horticulturist still revels in wonderland, and the crape chaser's own door bell is still minus the crape. We are yet without the blue dahlia, although in New York you can now buy the wonderful Tuba rugosa, which "blooms in three weeks, 36 distinct colors on one plant," for a few pennies. The national flower still blushes unseen, the mealy bug continues regular at his meals, and the eel worm still has a wiggle on. The "floral artist" has not quite ceased to construct steamboats of carnations, nor the landscape artist to build Jacob's Ladders of alternanthera; and the "mossback" is growing mossier and mossier and more difficult to stampede as the years roll on.

Organization is concentrated power. It gives courage to the faint-hearted; under its beneficent rule intellects are awakened to activity, the strong help to sustain the weak and the weak help to encourage the strong; selfishness is eliminated as we learn the humane principal that what concerns one concerns all, and our eyes are opened to the utter barrenness of a life where trading and hustling, brow-beating and slave driving, untempered with neighborly forbearance, unselfish deeds and kindly consideration for the feelings and welfare of our fellow man is the one controlling idea.

Help your society, it will help you. The societies are as yet only feeling their way and cutting out their work in the rough. How tremendous would be their power if every florist in the land was enrolled and would undertake to do for the common good as his share even one-quarter as much as he has benefited from the work of others! In the coming 10 years we may expect to see a greater



Easter Display of Hazard & Wood, Providence, R. I.

proportionate advancement than for the past decade in everything that goes to make our profession honorable and honored. Just how great the stride depends upon individual effort. If our organizations would attain to their highest usefulness every member should be enlisted as a worker; and this can only be done by making our scope so comprehensive that each individual, whatever his circumstances, will see in it something to fit his case.

There are many broad questions and far-reaching issues that can be dealt with much more effectively by the national society than by the local organizations. It is one of the duties that the local club owes to the cause generally and to its members individually, to foster the interests of the national society within its own ranks. This advice, however, is superfluous in Philadelphia. The fullest measure of loyalty and earnest support has here been ever given to the S. A. F. from its inception up to the present moment, and were Pennsylvania's part in the annals of the national organization blotted out it would be an irreparable disaster. To urge you to show up in goodly numbers at the coming convention in New York is also unnecessary, I know. It goes without saying that if any other city in the country is ambitious for the honor of sending the biggest and merriest delegation to that great event, they will have to do some tall hustling. But you'll make no mistake in coming New York is fully aroused and will acquit herself nobly. The enthusiastic support being given to those intrusted with the work of preparation is remarkable. It comes from all sides—rose growers, carnation growers and plantsmen, bulb dealers and supply men, wholesalers and retailers, seedsmen, nurserymen, builders and boiler men, all seem actuated by the same generous rivalry and emulation as to who shall do the most. And the resultant gain to New York floriculture it is impossible to estimate. No doubt there will be some croakers, they are "with us alway." Some men croak incessantly, and the only apparent reason is that there is a pleasure in being a croaker which none but croakers know. In spite of them, in spite of their unfriendliness, and our own inevitable mistakes, we have every reason to believe that co-operative and fraternal sentiment is stronger to-day than ever before in the history of American floriculture. Of the past we have a right to feel proud; for our future we have good reason to feel confident. Let us so direct our organized effort that the historian of 10 years hence will find in our acts much to praise and nothing to condemn.

BRIEFS FOR BUSY FLORISTS.

GENISTAS AND ACACIAS.—The larger and established plants of these, that is, those that are used for cutting and decorative purposes, should now be put outdoors. Choose a location where the plants will be sheltered from strong winds, as if they are top heavy they are easily blown over. Cut them well back but not into the old wood, except to preserve the symmetry of the plants. Try to have them even and well balanced in shape when in flower by cutting them back properly now. If it is not desirable to put them in larger pots, take out as much of the top soil as can be done without injury and fill in with rich compost; half and half loam and well-rotted manure is the best mixture. Keep them pentifully supplied with water at all times, and, aside from cutting back an occasional extra strong growth, they will need no other care until they are housed in the Fall.

FICUS ELASTICA.—When the young plants are well rooted in the 3-inch pots, instead of potting them alone, prepare a bed for them in the garden by digging into the soil a good supply of rotted manure. Plant in the rubbers 2 feet apart, and 3 feet between the rows. Drive in stakes at the corners of the bed and stretch any kind of thin cloth over the plants to keep them shaded. In a week or ten days' time commence to remove the shade gradually, taking it off about an hour earlier each day. This will inure the foliage gradually to the full force of the sun and eventually the covering must be taken off completely. Frequent watering will be necessary all Summer should the season prove at all dry, and each plant should be tied to a stout stick to prevent the wind blowing it about and loosening the roots. By the latter part of August it will be found that the plants have made a far superior growth to what could have resulted in the greenhouse, and their care was light compared with indoor culture. They must be lifted and potted, however, before the nights become cool, and when doing this care must be taken to get the roots working in the pots as soon as possible. To accomplish this clear a space in a shaded house, either on the floor, or a deep bench; fill in with stable litter, such as would be suitable for a hotbed. Into this plunge the newly potted rubbers, and the bottom heat thus supplied will keep the roots moving without a check and not a leaf will be lost. In about ten days they can be taken from the hotbed and placed on the benches, when they will be found to have made as large specimens as would have taken two years of ordinary pot culture to obtain.

HYDRANGEAS.—If these are not intended for early forcing next year they may just as well be planted outdoors. Give them a good, rich soil to grow in, and lift early enough in the Fall to avoid freezing. Where early forcing is contemplated it is better to keep the plants in pots, shifting them into larger sizes as required.

BOUVARDIA.—This once popular flower seems to be grown less and less as the years go by, yet it is always useful, and a bench of it can be grown very profitably. Plant the young stock outdoors, where it will grow luxuriantly through the Summer; lift early in September and put in the bench. Not a shoot need be lost in the final transplanting, if ordinary care is exercised and a shade applied for a few days.

SOWINGS may be made now of herbaceous calceolarias and cinerarias. Shrubby calceolarias are coming into vogue again for bedding, and a few of these can be profitably grown by every florist. To secure a stock one should procure a few plants and plant in the garden, labeling the different varieties. In the Fall there will be abundance of short, stocky cuttings which should be taken, put in flats, and kept near the glass in a very cool house, where they may remain until the latter part of January; then they may either be transplanted into boxes or potted, and treated the same as other half hardy bedding plants.

CORRESPONDENCE.

Ornamental Asparagus.

Editor Florists' Exchange.

There appears to be some confusion in the nomenclature of asparagus grown for ornamental purposes. What your European correspondent, T. E., refers to is A. decumbens, not deflexus. It is very suitable for hanging baskets, mirror decorations, etc., as stated by your correspondent, but its deciduous habit, and the color, too, are against its becoming a regular florist's and house plant. The true Asparagus deflexus, or more correctly, A. scandens deflexus, is evergreen, and in many respects similar to A. Sprengeri, growing as freely; its habit is more erect and much more dense and compact. It will not produce such long sprays for cutting; as a pot plant it is sure to prove prettier and more graceful than A. Sprengeri. It also stands neglect better, which is saying a good deal.

Allow me to add in reference to the Banksia rose mentioned by your correspondent, that for many years it has been used in southern Europe as stock for climbing roses, and no better can be found to be sure. Marechal Niel, for instance, does wonders on that stock. The trouble is that Banksian roses will stand only very little frost.

DR. F. FRANCESCHI, California.



Allen's Golden Mignonette.

Allen's Golden Mignonette.

The mignonette shown in the accompanying picture was raised during the past season by C. H. Allen, of Floral Park, N. Y. Mr. Allen informs us that it is very much finer than its parent, Allen's Defiance. The single flower is very large, growing very close on the stem, and as there is very much yellow in the color it has a golden appearance, differing greatly from any other. The growth of the plant is exceptionally strong, as will be seen in the illustration, as it represents only a single plant which was pinched back but once.

Cincinnati.

Decoration Day business was very satisfactory; in fact, the best I have ever known in this city. The shipping trade was very good, and all stock in the commission houses was well cleared up at fair prices.

The Fall festival is now beginning to assume large proportions, and September 19 will be a gala day for Cincinnati and the florists. The festival will open with a flower parade, of from 200 to 300 carriages, all beautifully decorated with natural or artificial flowers, palms, grasses and ribbons. The parade will meet the Harvest Queen at the river and escort her to the reviewing stand at Fountain Square, where she and her court will review the parade. At this point the judges will make the awards for the best decorated vehicle. Afterward the Queen will go to Music Hall, where she will open the festival with appropriate ceremonies. We expect many thousands of visitors at that time, and I hope our florist friends will avail themselves of this opportunity to visit our city. The festival will continue ten days, and during that time there will be given on the streets a magnificent electric pageant at night, on which artists are now at work. This affair will eclipse anything ever given of a similar nature. There will be trade and manufactures' parades. At Music Hall there will be trade displays, pony shows, liquid air exhibits, poultry show (Bro. Coles take note), floral competitions, trap shooting contests, dog shows, band contests, drill contests, county fair and many other attractive features. So ye growers of cut flowers look to your laurels. We shall need lots of flowers to decorate all of these carriages and floats, and now is the time to prepare.

June 9 is the annual meeting and election of officers of the Cincinnati Florists' Society. E. G. GILLETT.

Louisville, Ky.

During the last week Louisville was honored with the Reunion of the Confederate Veterans, and that did give the florists a little extra work. The greatest demand was for red and white flowers. Several large decorations also added to the business done. Carnations and paeonies were mostly used in the decorations, while for the balls, Beauty roses were in greatest demand. Prices received were: Beauty, $3 to $5; Bride and Bridesmaid, $1 to $1.50; carnations, 50c., and paeonies, $1 per dozen. The market was well supplied with good stock. The fag end of the planting season has come and now the growers are all busy transplanting and cleaning the plants, getting ready to make necessary repairs; and those who can afford it are getting ready to build new houses. J. S.

Indianapolis.

On May 31, 1900, after all financial obligations and other difficulties had been duly satisfied, the old firm of Bertermann Bros. (John and Wm. G.) again took full charge of the business of the Bertermann Floral Co. All current accounts therefore will be duly honored by Bertermann Bros.

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	Names and Varieties	New York June 8, 1900	Boston June 7, 1900	Philadelphia June 6, 1900	Baltimore June 6, 1900	Buffalo June 6, 1900
Roses	A. BEAUTY, fancy—special	10.00 to 15.00	18.00 to 20.00	20.00 to 30.00	.... to	20.00 to 25.00
	" extra	8.00 to 10.00	6.00 to 10.00	15.00 to 20.00	16.00 to 25.00	15.00 to 20.00
	" No. 1	4.00 to 6.00	3.00 to 6.00	10.00 to 15.00	10.00 to 15.00	5.00 to 10.00
	" Culls & ordinary	.50 to 3.00	1.00 to 3.00	5.00 to 8.00	4.00 to 8.00	.... to ....
	Bride, 'Maid, fancy—spc'l	4.00 to 5.00	.... to 8.00	4.00 to 6.00	.... to	2.00 to 6.00
	" extra	2.00 to 3.00	.... to 5.00	4.00 to 6.00	3.00 to 5.00	2.00 to 6.00
	" No. 1	1.00 to 2.00	3.00 to 4.00	.... to	3.00 to 5.00	.... to ....
	" No. 2	.50 to 1.50	1.00 to 2.00	.... to	.... to	.... to ....
	K. A. Victoria	3.00 to 5.00	2.00 to 8.00	4.00 to 6.00	2.00 to 4.00	2.00 to 7.00
	La France	.... to	.... to	.... to	3.00 to 5.00	.... to ....
	Meteor	1.00 to 3.00	.... to	3.00 to 7.00	3.00 to 5.00	.... to ....
	Papa Gontier	.... to	.... to	.... to	.... to	.... to ....
	Perle	1.00 to 2.00	1.00 to 4.00	2.00 to 5.00	2.00 to 3.00	2.00 to 4.00
	Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
	ORCHIDS—Cattleyas	25.00 to 35.00	.... to	35.00 to 50.00	.... to	.... to ....
	Cypripediums	.... to	.... to	15.00 to 20.00	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	25.00 to 35 00	.... to	.... to ....
Carnations	Inf'r grades, all colors	.25 to .50	.35 to .50	.... to	.50 to .60	.50 to .75
	STANDARD VARIETIES White	.25 to .50	.50 to .75	.75 to 1.00	.75 to 1.00	1.00 to 1.50
	STANDARD VARIETIES Pink	.25 to .50	.50 to .75	.75 to 1.00	.75 to 1.00	1.00 to 1.50
	STANDARD VARIETIES Red	.25 to .50	.50 to .75	.75 to 1.00	.75 to 1.00	1.00 to 1.50
	STANDARD VARIETIES Yel.&Var	.25 to .50	.50 to .75	.75 to 1.00	.... to	.... to ....
	*FANCY— White	.50 to 1.50	.75 to 1.00	1.25 to 1.50	1.25 to 1.50	2.00 to 3.00
	(*The highest grades of standard var) Pink	.50 to 1.50	.75 to 1.00	1.25 to 1.50	1.25 to 2.00	2.00 to 3.00
	(*The highest grades of standard var) Red	.50 to 1.50	.75 to 1.00	1.25 to 1.50	1.25 to 1.50	2.00 to 3.00
	(*The highest grades of standard var) Yel.&Var	.50 to 1.50	.75 to 1.00	1.25 to 1.50	.... to	.... to ....
	NOVELTIES	.50 to 1.50	1.00 to 1.50	.... to 2.00	.... to	.... to ....
	ADIANTUM	.50 to .60	.... to .50	.... to 1.00	.... to 1.00	.75 to 1.00
	ASPARAGUS	35.00 to 50.00	.... to 50.00	35.00 to 50.00	25.00 to 50.00	50.00 to 60.00
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	GLADIOLUS	4.00 to 5.00	8.00 to 12.50	.... to	.... to	.... to ....
	HYACINTHS	.... to	.... to	.... to	.... to	.... to ....
	IRIS	3.00 to 5.00	.... to	.... to	.... to	.... to ....
	LILIES	3.00 to 4.00	4.00 to 6.00	.... to	6.00 to 8.00	6.00 to 8.00
	LILY OF THE VALLEY	3.00 to 4.00	2.00 to 3.00	3.00 to 4.00	.... to	3.00 to 4.00
	MIGNONETTE—ordinary	.25 to 1.00	1.00 to 1.50	.... to	.50 to .75	1.00 to 2.00
	" fancy	1.00 to 2.00	.... to	.... to	.... to	.... to ....
	NARCISSUS	.... to	.... to	.... to	.... to	.... to ....
	PÆONIES	3.00 to 6.00	.... to	.... to	.... to	.... to ....
	SMILAX	10.00 to 12.00	.... to	15.00 to 20.00	12.00 to 20.00	15.00 to 20.00
	SWEET PEAS	.25 to .50	.20 to .35	.20 to .50	.25 to .50	.30 to .50

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	Names and Varieties	Chicago June 5,'00	St. Louis June 4,'00	Cincinnati June 4, '00	Milwaukee June 6, '00	Pittsburg June 4,'00	Toronto May 29,'00
Roses	A. Beauty, fancy—special.	20.00—25.00	25.00—35.00	....—	25.00—35.00	15.00—20.00	....—30.00
	" extra	15.00—18.00	12.50—20.00	....—	15.00—20.00	10.00—12.00	....— ....
	" No. 1	8.00—10.00	8.00—10.00	....—	10.00—15.00	5.00— 8.00	....—10.00
	" Culls & ordinary	2.00— 4.00	4.00— 6.00	....—	4.00— 8.00	....— 3.00	....— 5.00
	Bride, Maid, fancy-spec'l	4.00— 5.00	3.00— 5.00	3.00— 5.00	4.00— 6.00	....—	....— ....
	" extra	2.00— 3.00	3.00— 5.00	3.00— 5.00	4.00— 6.00	2.00— 6.00	1.00— 8.00
	" No. 1	....—	....—	....—	....—	2.00— 6.00	1.00— 8.00
	" No. 2	.75— 1.00	....—	....—	....—	2.00— 4.00	1.00— 4.00
	K. A. Victoria	3.00— 6.00	....—	....—	4.00— 8.00	2.00— 6.00	....— ....
	La France	3.00— 5.00	....—	....—	....—	....—	....— ....
	Meteor	2.00— 5.00	3.00— 5.00	3.00— 5.00	4.00— 7.00	2.00— 6.00	1.00— 8.00
	Papa Gontier	....—	....—	....—	....—	....—	....— ....
	Perle	2.00— 3.00	2.00— 3.00	2.00— 3.00	4.00— 6.00	2.00— 4.00	1.00— 4.00
	Souv. de Wootton	....—	....—	....—	....—	....—	1.00— 8.00
	ORCHIDS—Cattleyas	....—	....—	....—	....—	....—	....—25.00
	Cypripediums	....—	....—	....—	....—	....—	....— ....
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	Inf'r grades, all colors	.50— .75	....— .75	....— 1.00	1.00— 1.50	.75— 1.00	....— .50
	Standard Varieties White	1.00— 1.50	....— 1.00	1.25— 1.50	1.00— 1.50	1.00— 1.50	1.00— 2.00
	Standard Varieties Pink	1.50— 1.75	....— 1.00	1.25 - 1.50	1.00— 1.50	1.00— 1.50	1.00— 2.00
	Standard Varieties Red	1.50— 1.75	....— 1.00	....— 1.00	1.00— 1.50	1.00— 1.50	1.00— 2.00
	Standard Varieties Yel.&Var.	1.50— 1.75	....— 1.00	....—	....—	1.00— 1.50	1.00— 2.00
	*Fancy— White	1.50— 2.00	1.50— 2.00	1.50— 2.00	2.00— 3.00	2.00— 3.00	....— 3.00
	*Fancy— Pink	2.00— 3.00	1.50— 2.00	1.50— 2.00	2.00— 3.00	2.00— 3.00	....— 3.00
	*Fancy— Red	2.00— 3.00	1.50— 2.00	1.50— 2.00	2.00— 3.00	2.00— 3.00	....— 3.00
	*Fancy— Yel.&Var.	2.00— 3.00	1.50— 2.00	....—	....—	2.00— 3.00	....— 3.00
	(*The highest grades of standard var) Novelties	....—	....—	....—	....—	....—	....— ....
	Adiantum	.75— 1.00	60— 1.00	....— 1.00	....— 1.00	.75— 1.00	....— .75
	Asparagus	40.00—50.00	....—	....—	....—	35.00—50.00	....—50.00
	Callas	6.00— 8.00	....—	....—	....—	6.00— 8.00	4.00— 7.00
	Daisies	.40— .75	.25— .50	....—	....—	.50— .75	....— .25
	Gladiolus	....—	....—	....—	6.00— 8.00	3.00— 6.00	....— ....
	Iris	....—	....—	....—	....—	....—	....— ....
	Lilies	6.00—8.00	....—	....—10.00	....—15.00	8.00—12.00	5.00— 6.00
	Lily of the Valley	3.00— 4.00	....—	....— 4.00	....— 4.00	2.00— 4.00	....— 2.00
	Mignonette—ordinary	1.00— 2.00	....—	....—	....—	....—	....— 1.00
	" fancy	....—	....—	....—	....—	....—	....— 3.00
	Narcissus	....—	....—	....—	....—	3.00— 6.00	.50— 1.50
	Pæonies	2.00— 4.00	3.00— 5.00	3.00— 4.00	5.00— 6.00	....—	....— ....
	Smilax	10.00—15.00	12.50—15.00	....—15.00	....—20.00	12.50—15.00	....— ....
	Sweet Peas	.30— .50	.25— .40	.40— .50	....— .75	.50— .75	.50— 1.50

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Sprengeri, 2 in. pots, $4 per 100. Plumosus Nanus, 2 in. pots, $5 per 100.

Phœnix Canariensis, 4 inch, showing characterized leaf, $2.00 per doz.; $15 per 100.
Mixed Fern Spores, $1.00 per large package.

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Adiantum Farleyense

Nice young plants, ready for a shift, 2½ inch pots,

$10.00 per 100.

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FERNS, ETC.

CHEAP FOR CASH.

	Inch pots	Price each	Per 10	Per 100
Adiantum Capillus Veneris,	2½	$0.04	$0.30	$2.50
" " "	3	.05	.45	4.00
A C.V. Imbricatum or Hardy Farleyense	3	.15	1.50	
" " "	4	.30	3 00	
Selaginella Emmeliana	2	.04	.30	2.50
" "	3	.06	.50	4.50
" "	4	.10	.90	8.00

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Small plants, $5 00 per 100 or $40.00 per 1000; large plants, $8.00 to $20.00 per 100. Orders only taken for June delivery.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 8-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea.
Forsteriaoa, 3½ to 4 inch, $3.00 per doz.
Asparagus Plumosus, $1.00 to $1.50 doz.
Asparagus Sprengeri, 3½ in. pots, $1.50 per doz.
Geraniums, 3½ to 4 in. pots, $7.00 to $8.00 oer 100.
Heliotrope, $6.00 per 100.
Fuchsias, 3½-5 in. pots, $6.00 to $12.00 a 100.
Coleus, $5 00 to $5 00 per 100.
Hydrangeas, 25cts. to $1 50 each.
Also a general assortment of Bedding Plants.

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25 to 30 inches high	$2.00	each.
42 to 48 " "	5.00	"
60 to 70 " "	8.00	"

Standard Bay Trees

Diameter of crown, 24 to 26 inches	$12.00	per pair.	
" " 26 to 28 "	15.00	"	
" " 32 to 34 "	18.00	"	
" " 36 to 38 "	25.00	"	
" " 38 to 42 "	26.00	"	
" " 42 to 44 "	35.00	"	

Packing free of charge

Kentias	from $7.00 to $20.00	each.
Araucaria Excelsa	from 50c. to 2.00	"
Araucaria E. Glauca	from $1 50 to 3.00	"
Araucaria E. Robusta	2.00	"

FOR FALL DELIVERY—Cycas, Boston Ferns, Cyclamen, Ericas (our Specialty), Ardisias, Latanias, Oranges, Dracænas, Rumblers, Rubbers, Chrysanthemums, Bougainvilleas, Epacris, Lilac, Azaleas, Acacias, Arecas, Livingstonias, all home grown.

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Fine stock, 5 to 8 inches high, from 3 inch pots, $10.00 per 100; very strong, 10 to 12 inches high, $12.00 per 100. A few heavy plants, from 5 inch pots, $1.75 per dozen. Cash with Order.

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The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

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LATANIA BORBONICA

4 inch pots	$2.50 per doz;	$20.00 per 100.	
5 "	4.75 "	35.00 "	
6 "	9.00 "	70.00 "	
7 "	1.25 each, and fine specimen plants from $6.00 and upwards.		

Areca Lutescens, fine plants from $5.00 upwards.
Kentia Belmoreana and **Forsteriana**—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, well grown, from $2.50 and upwards.
Phœnix reclinata, 4 in. pots, 25c. each, $20 per 100; 5 in. pots, 40c. each, $35.00 per 100; 6 in. pots, 60c. each, $55.00 per 100; 7 in. pots, $1.25 each.
Phœnix Canariensis, Rupicola and **Reclinata,** fine specimen plants, from $3.00 to $5.00 each.
Cocos Weddelliana, from 2 in. pots, $1.50 per doz.
ASPARAGUS SPRENGERI 3 in. pots, $1 00 a doz. 5 in. pots, 25c. each.

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ARECA LUTESCENS	6 in. pots, 3 plants, very bushy, 24 ins			$1.00
	8 " " " 26 to 30 ins			2.00
KENTIA BELMOREANA	4 in. pot, 5 to 6 leaves, 15 to 18 in., $6.00 a doz.;			$50 a 100
	6 " 6 " 20 to 24 "	18.00	"	150 "
KENTIA FORSTERIANA	4 in. pot, 4 to 5 leaves, 15 to 18 in., $4.50 a doz.;			$35 a 100
	5 " 5 " 18 to 24 "	9.00	"	75 "
Measuremen's from top of pot.	6 " 6 " 28 to 30 "	1.25	each;	15 a doz.

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10,000 Excellent...

Stocky 4-inch LATANIAS

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Boston.

Memorial Day Trade.

Decoration Day business was very good indeed this year, an improvement being noted in many instances over previous years.

Flowers were not very plentiful. Nothing but lilac was to be had from out of doors, consequently the demand for indoor stock increased quite a good deal. Most years rhododeadrons, pæonies, dentzia, etc., were in very good shape and found very useful, but the late season kept all these things back this year.

Roses were in pretty good supply, but all of them of any kind of good quality sold and very good prices were realized.

Carnations though in large supply did very well, selling out at very good prices.

Among the retail stores the demand for dried-flower designs was not up to that of last year. Those of galax leaves and laurel wreaths, however, were used quite extensively—the call for these is growing and tends to the doing away with the old-fashioned Cape flower, immortelle, milk weed, etc. Quite a little plant trade was found.

Business has now become very quiet, there being very little of it outside of a few June weddings and a little funeral work. The wedding decorations, as a rule, are not very heavy, although there have been a few good ones distributed among the retailers. Quantities of rhododendrons and pæonies are coming in, and are found very useful at such functions.

The market has become very druggy in all kinds of flowers, but more especially in roses and carnations. The former have gradually fallen off in quality, until now the supply of good ones is rather limited, all kinds being smaller and the colored sorts losing color. American Beauty fetch from $1 a 100 to $1 per dozen for short to medium grades, No. 1 making $1.25 and $1.50 per dozen, and extras, in limited quantity, $2 per dozen. Bride and Bridesmaid are getting poor, both being very small and the latter light colored.

Kaiserin, however, is coming of very good quality, and the passing of the Bride is not felt so much; but there is almost nothing to take the place of Bridesmaid. There are also a few Carnot in the market. The best Kaiserin and Carnot bring $8 per 100.

Carnations are gettting very cheap, and the growers who a week ago were dictators, when they set the price at $4 per 100 for Decoration Day, are now prostrate before the buyer begging of him to take their flowers almost at his own price; $1 buys 100 very fine carnations, while smaller grades, or even the same grade, when bought in larger lots, sell for 75c. and 50c. per 100. During the week quite a few street men have obtained 1,000 for $4.

Outdoor stock, which was late for Decoration Day, is now coming in very plentifully. The demand for sweet peas holds out very well, but the hot sun is affecting the flowers. The supply is also heavy, consequently the price has dropped to about 30c. or 35c. per 100 for good stock. The demand for valley, for wedding bouquets, is quite lively, and just at a time when most of the frame valley is cut out and before the forced material is very good. Welch Bros. are now getting a limited supply of forced valley of very good quality; Sutherland, too, is receiving some very good stock.

Norton Bros. have given up their Hotel Berkeley store, and are to occupy the Massachusetts avenue one alone for the Summer. This firm had been in the old store for 27 years, and was the pioneer in the Back Bay district. F. J. N.

THE EXPERIMENT STATIONS.

ECONOMIC GRASSES. By Professor F. Lamson Scribner. Bulletin 14, Division of Agrostology, Department of Agriculture, Washington, D. C.—Embraces descriptions of the more economic grasses of the country.

WHAT GRAPES ARE BEST AS POLLENIZERS. By Messrs F. H. Hall and S. A. Beach. Bulletin 169, New York Experiment Station, Geneva, N. Y.—Gives a classified list of grapes according to their blooming season.

SOME INSECTS INJURIOUS TO GARDEN CROPS. By Mr. F. H. Chittendon. Bulletin 23, Division of Entomology, Department of Agriculture, Washington, D. C., being a series of articles dealing with insects of this class.

Buffalo.

Trade Items.

We are enjoying the pleasantest of June weather. It, however, assures but a moderate business from June weddings. Most all kinds of flowers are plentiful, and quality of inside growth dropping, excepting, probably, that of carnations, which are still quite fine.

The call for bedding plants generally is improved over recent years, buyers showing liberality about prices. A shortage is already noted in cannas and light coleus. The stock of geraniums will no doubt be cleaned up well. We made a hurried call at a few places this week and noted as follows: On the east side Joe Stallingers' place shows pleasing vacancies in the benches here and there, and stock hardly "ready enough" in the blooms customers wish to see for the demand. John Speiss has at present most of his stock set together in one house, and reports good sales. Kumpf Bros. have been buying in some kinds. E. O. Boorman took care of extra geranium stock in some unoccupied houses that he hired for some months, and is showing a larger supply than common, in good quality, with business active. H. Keitsch, on Earl place, one of the veterans here, still knows how to grow improved quality geraniums and verbenas. The French street establishment, over which John G. Pickelman presides, has done a good veranda box and vase filling trade. Wm. Scott's Cold Spring place reports good business—up to previous years, apparently, or better. Coleus have become scarce, and but a few days continuing active calls will see shortage in other lines. Chas. D. Zimmaman mentions a pleasing Decoration Day trade, with the bedding business good on all sides. Geraniums none too forward in flowering; cannas scarce. A call at E. A. Butler's, Niagara Falls, last week, showed him decidedly a buyer now in geraniums. He had a good business on Decoration Day.

The decadence, in popular demand, for the verbena for bedding is noticeable. The call hereabouts seems to be at a low minimum and at low prices.

At the parks proper, or those under the management of Supt. J. C. Graves, assisted by Capt. James Braik, planting out is now being pushed vigorously. At Humboldt Park, directly under the charge of Henry Elbers, a good deal of solid bedding is being done. Large rustic plant stands are also being added.

A hasty trip through the Pan-American grounds shows that under Superintendent Ulrich a large amount of ground moving (rather clay it is) has been done in the necessary grading.

Jottings.

Geo. McClure has severed his connection with exposition work and is again in the park employ.

David Scott is back from Philadelphia.

E. C. Ludwig, of Allegheny, Pa., was a visitor Wednesday, accompanied by H. Hunter, Fire Department Chief of that town. VIDI.

Tarrytown, N. Y.

The Tarrytown Horticultural Society held its monthly meeting at the Vanderbilt Building on Thursday, May 31. Geo. Glassman and Wm. P. Mobam were elected to membership. Thomas Cockburn read a very able paper on the cultivation of small fruits. An interesting discussion followed. The society will hold an exhibition on the evening of the 14th inst. at the Vanderbilt Building.

R. ANGUS.

Galena, Kan.

On May 27, 1900, Mrs. Carrie Beaty, the Galena, Kan., florist, was married to Alfred L. Merritt, of the same place, the ceremony occurring at Carthage, Mo. Mr. and Mrs. Meritt will move their greenhouse to more commodious grounds, and build one new house, 50x 28 feet.

Not "College Yells"

Exactly, but the commencement dates of the leading colleges in Souvenir shape with space reserved for adding local commencement dates and individual advertisement. A number of attractive styles at various prices.

Samples, six cents in stamps.

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Hot Bed Sash. Red Cedar Posts.

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To String your Smilax, when you use the

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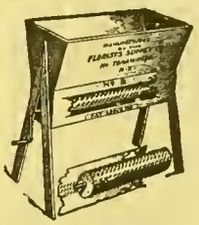

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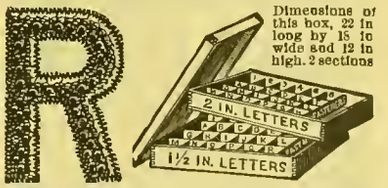

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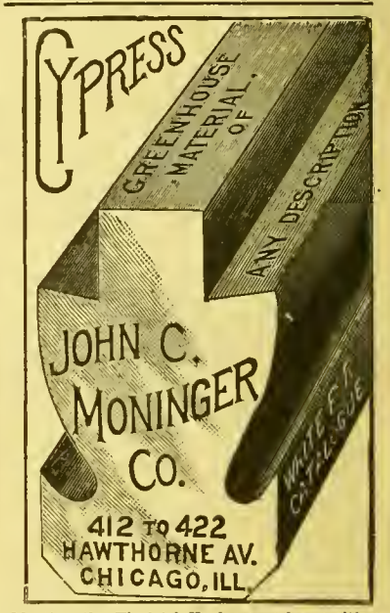

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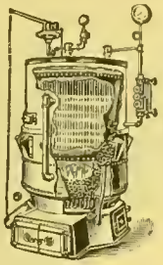

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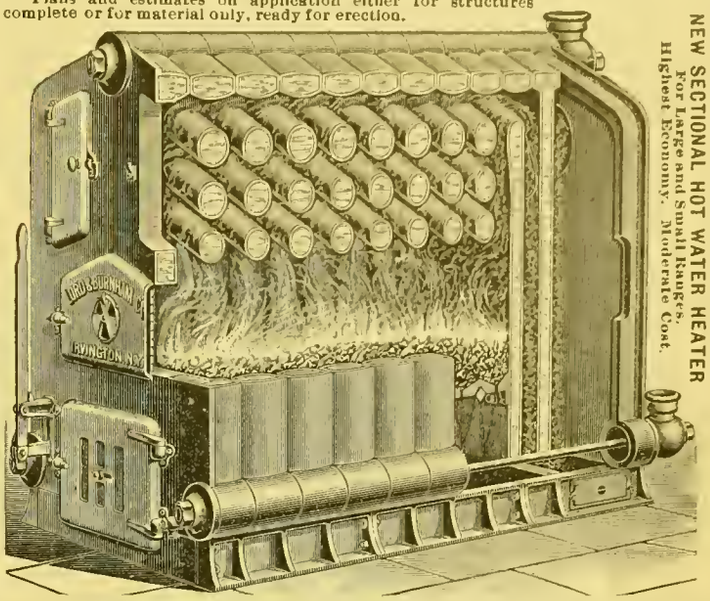

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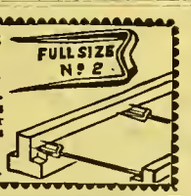

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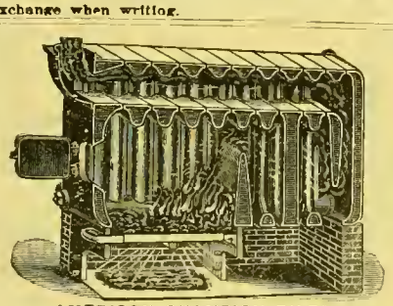

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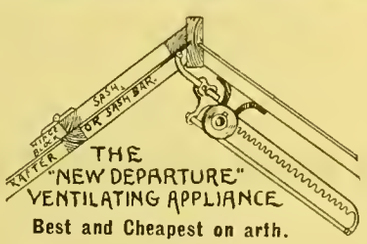

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125 Egandale Canna, 3 in. pots	$3.00
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Cyperus Alterifolius, 2½ in. pots	2 50
Lemon Verbena, 2 in. pots	2.50
Coleus, best varieties, mixed	2 00
Cobæa Scandens, 3 in. pots	3 00
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Echeveria Secunda Glauca	4.00

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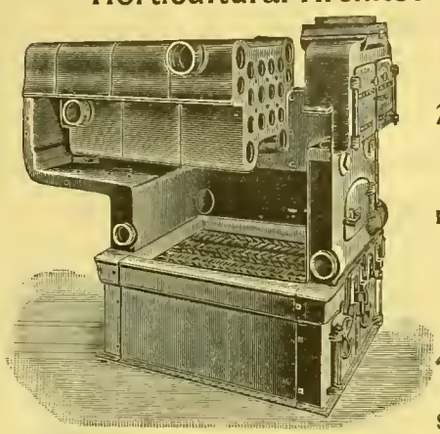

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Vol. XII. No. 24. NEW YORK, JUNE 16, 1900. One Dollar Per Year.

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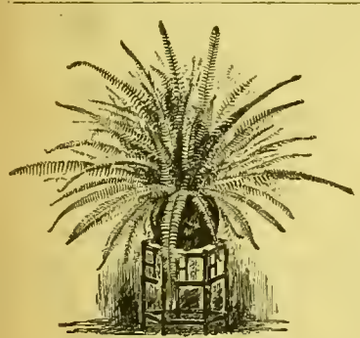

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From 2½ inch pots.

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AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER RODGERS, Chicago, Ill., President; ALBERT MCCULLOUGH, Cincinnati, First Vice-President; F. W. BOLGIANO, Washington, Second Vice-President; S. F WILLARD, Wethersfield, Conn., Secretary and Treasurer.

Evansville, Ind.—The Ohio Valley Seed Company filed articles of incorporation with the county auditor, June 4. Joseph M. Kollmeyer, H. J. Graf and Louis J. Graf are the stockholders, directors and officers. The capital stock is $10,000, and the life of the corporation is 50 years.

Import and Export Statistics.

The following exports and imports of plants, shrubs, seeds, etc., are for the month of April:

The dutiable imports of plants, shrubs and vines amounted to $70,166, against $49,370 in the same month of last year. The free imports of seeds amounted in 1900 to $48,670 against $73,059, the value of the imports of April, 1899. The dutiable imports of seed amounted to $26,200 in April, 1900, against $17,258 in April of the previous year.

The exports of seeds to other countries amounted to $205,013, against $145,411 in the same month of 1899. The countries to which the United States exported seeds were: The United Kingdom, which received shipments to the value of $56,706 in April, 1900, against $26,157 in the same month of 1899. Shipments to France amounted to $4,248 in April, 1900, against $976 in the same month last year. Germany imported seeds from the United States in April to the value of $10,322, against $40,497 in April, 1899. Other European countries received shipments to the value of $1,885, against $1,856 in the corresponding month of 1899. An increase is noted in the exports of seed this April to British North America, being $120,406 as against $64,574 in April of last year.

British Australia received from this country during April, 1900, $7,834 worth of seed, a decrease from the exports of April last, which amounted to $2,236.

Our Paris Letter.

PROSPECTS.

The seed growers are still complaining about the scarcity of stocks planted for next crop, and for the most of the articles prices will range about the same as those of last season. Those on cabbages and other cruciferæ are rising and will keep on doing so; same with turnips, which crop will be insignificant.

The seedlings of annual vegetables, such as chicory, lettuce, radish, etc., have all been planted late, and as cold weather and cool nights prevailed till the last crops will, for that reason, be much retarded. As to beets and mangolds more have been planted than was anticipated in Autumn, but they also have suffered from the weather conditions. However, if the Summer is favorable a middle crop is looked for.

Carrots are a feeble crop only, and prices will keep steady if they do not increase.

As regards field seeds the season has ended better than we thought in March it would do, all the stocks having been nearly exhausted. For next August's sowing the early red clover is in large demand, and the first prices are higher than those of last year. The red and white late sorts are a little under the early sort, which is rarely the case.

In places where young fruit stocks, etc., are grown for America it is said that pear and apple are doing fairly well, and are in good quantities. Mazzard cherry is more abundant than last year, and will be a little cheaper. Myrobolan is in small quantities at Orleans and Angers, being a little more plentiful at Ussy. Prices for the small quantities will keep high, same with Mahaleb; St. Julian will be cheaper than last year, larger quantities being cultivated. Prices on Rosa canina will still remain high, the frost having obstructed cultivation and killed quantities of small seedlings. Modest supplies only will be obtainable in season. Manetti and Grifferaies stocks have been planted in quantities, but it is too early to give an opinion on them. E. T.

European Notes.

"Cold and wet with no warm weather yet in sight," that is just where the 1st of June finds us. The one thing needed from Naples to Aberdeen is sunshine. Rutabagas and late turnips that still survive will benefit by the rains, as will also our spinach plants. Radish can now be transplanted, but it is very late, and the plants of the earlier varieties are generally in poor condition. Short crops all round are inevitable, but as your presidential election often appears to restrict trade it is possible there may be enough to go round, but there cannot be a surplus.

As regards flower seeds, cinerarias, cyclamen and primulas sadly need the sun to develop and mature their seeds. Calceolarias are just in full bloom, and are not likely to take any hurt for a time. Pansies are blooming grandly, but they do not set their seeds; and as early deliveries are now the order of the day their condition causes us some anxiety.

Nasturtiums and sweet peas are biding their time; the plants look healthy and only need warmth to set them moving.

The Temple Show, mentioned in last week's notes, provides very little useful matter for this page. Calceolarias were shown in grand condition by James, Carter and Sutton. Some complaints were made respecting the dwarf habit of James' superb strain, but every cultivator of these plants knows that this is a fault in the right direction and one that can easily be remedied by the grower. Begonias were exhibited in splendid condition by Laing, Cannell and Ware, but no very striking novelty appeared in either collection. The improved forms of Cinerarla cruenta, from the Royal Gardens at Kew, amply demonstrated their value for florists, but the individual flowers are too small and the colors too dull for them to become generally popular. The magnificent display of streptocarpus from Veitch's should certainly help the sale of these easily grown and very beautiful plants. In a climate like yours they would prove a grand success.

H. Low & Co.'s exhibit of schizanthus was very effective and beautiful. This easily grown and long neglected plant appears to be coming to the front once more.

Of the vegetable displays it is unnecessary to speak, as the exhibits would be of little interest on your side.

EUROPEAN SEEDS.

P. S.—As the mail is closing the latest report from Italy arrives. Onion, lettuce and leek are standing well. Tomatoes, egg plants, cauliflower and centaureas have suffered somewhat from the cold and heavy rains. All other flower seeds appear to be benefited by the humid atmosphere, and everything needs the sun.

CALIFORNIAN SEEDS

Contract Prices for 1900 Harvest on Application.

WHOLESALE ONLY.

PERRY WATSON & CO., Sacramento, Cal.

Mention the Florists' Exchange when writing.

ROSES FOR SALE

The following varieties, from 2 inch pots, $3.00 per 100; $25.00 per 1000.

Merville Graham,	Queen's Scarlet,	Perle des Jardins,
Blanche Moreau,	Queen,	Crimson Globe,
La France,	Mme. Schwaller.	Lævigata,
Souv. de Jeanne Cabaud,	Antoine Verdier,	Henry Martin,
Capt. Christy,	H. M. Stanley,	Gen. Rob't E. Lee,
Malmaison,	Maman Cochet,	Catharine Mermet,
Mrs. Degraw,	Mme. Abel Chatenay,	Mme. Cecil Brunner,
Bon Silene,	Pink Daily,	Beauty of Stapleford,
Coquette de Lyon,	White Maman Cochet,	Princess Adelaide,
Mme. F. Kruger,	La Princess Vera,	Little White Pet,
Marie Van Houtte,	Champion of the World,	Hon. Geo. Bancroft.

The following varieties, from 2 inch pots, $3.00 per 100; $25.00 per 1000. Also from 3 and 4 inch pots, $8.00 per 100; $70.00 per 1000.

Lamarque,	Mary Washington,	Parquarette,
Marechal Niel,	Child's Jewel,	Snowflake,
Golden Gate,	Countess Riza du Parc,	Hallowe'en,
Niphetos,	Duchesse de Brabant,	Highland Mary,
Bride,	Meteor,	Marie Guillot,
Climbing Meteor,	Sombreuil,	George Pernet,
Mosella,	Mignonette,	Bridesmaid,
White La France,		Glory de Polyanthe.

The following varieties, from 4 inch pots only, $8.00 per 100; $70.00 per 1000.

Celine Forestier,	Pearl d'Or,	Mme. Caroline Testout,
Rainbow,		White Pearl of the Garden.

CLIMBING KAISERIN AUGUSTA VICTORIA, 3 inch pots...$10.00 per 100.
AMERICAN BEAUTY, 3 inch pots..... 10.00 "

GERANIUMS, 10 variety, 3 and 4 inch.....$6.00 per 100.
VINCA VARIEGATA, very low, order quick..... 6.00 "

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Mention the Florists' Exchange when writing

America in the Lead.

W. Atlee Burpee & Co., of Philadelphia, have received word by cable that their exhibit of sweet peas at the Paris Exposition has been awarded first prize. We congratulate Messrs. Burpee & Co. on this other grand success with sweet peas.

CATALOGUES RECEIVED.

JOHN PEED, West Norwood, London, S, E., Catalogue of Caladiums.

Pansies Worth Raising

Small plants all sold.

Now left but flowering plants from field, at $2 00 per 100, and up.

C. SOLTAU & CO., 199 Grant Avenue, Jersey City, N. J.

PANSIES

From Seed Bed, $3.50 per 1000.

A Good assortment of **Hardy Plants** in Spring and Fall, such as Coreopsis, Veronica, Iris, Funkia, Lemon Lily, Aster, Phlox, Helenium A. Superbum, Lychnis, Larkspur, Digitalis, Antirrhinum, Myosotis, Mist and other hardy stock. Cash with order, please.

W. C. JENNISON, Natick, Mass

Mention the Florists' Exchange when writing.

CLEARY & CO.,

Horticultural Auctioneers,

Sales Every Tuesday and Friday,

60 Vesey St., NEW YORK.

Mention the Florists' Exchange when writing

60,000 DAHLIAS

For Fall Delivery.

All the best and newer varieties. Stock first-class. Prices right.

A. B. DAVIS & SON, Purcellville, Va.

Mention the Florists' Exchange when writing.

100 New English Cactus Dahlias

at 10 cents each.

Nearly all cost us $1 and $2 per plant.

You can have 5, 10 or 100 sorts, all named, in well-rooted cuttings, at 10 cts., postpaid.

Set of **10 NEW CANNAS,** several fine plants, $2.50.

ASPARAGUS SPRENGERI, $4; BOSTON FERNS, $5; BABY PRIMROSE, $3; Edelweiss, $10; New Deutzias, $10; New Incarvilleas, $15; HARDY BEGONIA, $5; NEW HIBISCUS, $10; 2 BEST SALVIAS, new, $10; SOLANUM WENDLANDI, $10; NEW TREASURE VINE, $10; all per 100. 25 at 100 rate.

50 Other New Plants.

A. BLANC & CO., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

PANSIES

The Jennings Strain.

Extra fine stocky plants from cold frames, in bud and bloom, $1.50 per 100; $13.00 per 1000. Second size, fine plants, in bloom, $1.00 per 100. Cash with order.

E. B. JENNINGS, Lock Box, 254. Southport, Conn

Grower of the finest Pansies.

ORCHIDS

We have in transit to arrive shortly **Lælia Purpurata, L. Gruelis Tenebrosa** and **Oncidium Varicosum Rogersii.** On hand: **Cattleya Percivalliana, C. Mossiæ, Lælia Anceps** and **L. Autumnalis.**

CORRESPONDENCE SOLICITED.

LAGER & HURRELL, Summit, N. J.

30,000 SMILAX

Nice, thrifty, 2 inch, per 100, $1.25; per 1000, $10.00.

Smilax, from flats, 250 by mail, $1 00.

CASH WITH ORDERS, PLEASE.

GEO. J. HUGHES, Berlin, N. J.

Mention the Florists' Exchange when writing.

SMILAX

From flats, by mail, 50 cts. per 100; $4.00 per 1000. From 2 in. pots, $1.50 per 100; $13.00 per 1000.

HYDRANGEA, 5 in. pots $3.00 per doz; 4 in pots, $2.00 per doz; Rooted Cuttings, $1.25 a 100; $10 a 1000.

LARGE-FLOWERING CANNA ROOTS, $1.00 per 100.

Cash with the order. Send for samples.

FRED BOERNER, Cape May City, N. J.

Mention the Florists' Exchange when writing.

SMILAX

Fine plants, 2 inch pots, $1.00 per 100; $8.00 per 1000.

ASPARAGUS Sprengeri, 2 inch pots, $3.00 per 100. Plumosus Nanus, 2 inch pots, $4.00 per 100.

PRIMROSES July 1st, Chinese, Forbesi Obconica, Grandiflora and Rosea, $2.00 per 100.

PANSY SEED August 1st, $4.00 per oz. Cash, please.

JOS. H. CUNNINGHAM, Delaware, Ohio.

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SMILAX From Pots. Ready Now.

$1.50 per 100; $15.00 per 1000.

ASPARAGUS PLUMOSUS

From 3 in. Pots. Ready July 15.

$6.00 per 100; $50.00 per 1000.

You will make no mistake in sending me your order. This stock is of the same high quality as that furnished last season. Samples furnished to new customers if desired.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

MANETTI.

Suitable for grafting. Secure it now and save disappointment.

HIRAM T. JONES, Elizabeth County Nurseries, Elizabeth, N. J.

Mention the Florists' Exchange when writing.

Yucca Filamentosa

Fine, large plants, $10.00 per 100.

SAMUEL C. MOON, Morrisville, Pa.

BUCKS CO.

Mention the Florists' Exchange when writing.

FRUIT and ORNAMENTAL TREES,

Shrubs, Vines and Roses

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., Geneva, N. Y.

Mention the Florists' Exchange when writing.

THE PINEHURST NURSERIES,

OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.

Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda nitida, Fothergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Dionæa muscipula, Lupinus diffusus, Phlox subulata, Sarracenias, etc., etc. **Ask for Trade Lists.**

Mention the Florists' Exchange when writing.

EDWARD B. JACKSON,

Wholesale Florist.

Hardy Herbaceous Plants Only

In any quantity for the least money.

STAMFORD, CONN.

Mention the Florists' Exchange when writing.

AMPELOPSIS VARIEGATA

(Variegated Grapes)

One of the most desirable Hardy Climbers, rapid grower, foliage green, white and pink, furnished in Autumn with berries in color from white to dark purple; sprays work in to good advantage for bouquets and floral designs; one of the best retailing plants in existence. Strong plants, $1.50 per doz; rooted cuttings, 50c. per doz

Semple's Asters, separate colors, white, shell pink, lavender, rose and purple, $2.75 per 1000; above colors mixed, greatest percentage white, $2.00 per 1000; Queen of the Market, mixed, $2.50 per 1000.

Lace Fern, mailing size, $2.50 per 100.

English Ivy, 2½ inch, strong, $3.50 per 100.

Dracæna Indivisa, 3 inch, $5.00 per 100.

Samples of each, 25 cts.

CASH WITH ORDER. EXPRESS PREPAID.

A. & G. ROSBACH, Pemberton, N. J.

Mention the Florists' Exchange when writing.

CLEMATIS.

Large flowering, in 20 splendid kinds, from pots, outdoors, sure to grow, 25c. each; $2.50 per doz. Strong young plants of above, unrivaled collection, $1.00 per doz; $8.00 per 100, free by mail or express.

CLEMATIS PANICULATA, fine young plants, 75c. per doz.; $4.00 per 100.

All will make first-class salable plants for Fall.

F. A. BALLER, Bloomington, Ill.

Mention the Florists' Exchange when writing.

TOMATO PLANTS

FOR SALE—25,000 Transplanted Tomato Plants, 8 and 10 inches high. All kinds, at $6.00 per 1000.

BRIDGEPORT CUT FLOWER COMPANY,

454 and 456 Main St., Bridgeport, Conn.

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SURPLUS FOR SPRING 1900

Can yet do **PEACHES** and **JAPAN PLUMS** in limited quantity; also **MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY, STRAWBERRIES** from best leading varieties. Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.

ALEX. PULLEN, PROPRIETOR.

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EVERGREEN!

An **IMMENSE STOCK** of both large and small sized **Evergreen Trees**, in great variety. Also **Evergreen Shrubs.**

CORRESPONDENCE SOLICITED.

THE W. H. MOON CO., Morrisville, Pa.

Mention the Florists' Exchange when writing.

CABBAGE. CABBAGE

H. Succession, Early and Late Flat Dutch, Drumhead, Savoy and other varieties, field-grown plants, 15 cts. per 100; $1.00 per 1000; $8.50 per 10,000.

CELERY White Plume, Golden Self Blanching, Giant Pascal, New Rose and other varieties; 10 acres will soon be ready, 15 cts. per 100; $1.00 per 1000; $8.50 per 10,000. (Large enough now for transplanting at 75 cts. per 1000.)

TOMATO Stone, Paragon, Royal Red and other varieties, field-grown, 15 cts. per 100; $1.00 per 1000; $8.50 per 10,000.

Any of the above plants by mail, add 10 cts. per 100. Cash with order.

R. VINCENT JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

The Paris Exposition.

The International Exposition opened on April 14, the horticultural section on April 18 with the first temporary show in the Horticultural Palace. This building was not then completed, but preparations sufficient for the occasion had been made by the architect, M. Gauthier, and M. Martinet, Editor of Le Jardin.

Outdoors, at the opening, the bulb display in the Trocadero was in full flower. The Dutch growers exhibited collectively. American horticulturists who are able to read French will find much information in Le Jardin, No. 317, which largely explains this exhibition.

In tulips only single and early sorts were shown, among them Cerise Gris-de-Lin, Chrysolora, Duchesse de Parma, Joost Van Vondel, La Belle Alliance, La Precieuse, L'Immaculée, President Lincoln and Wouwerman. Among fritillarias, William Rex and the variegated sorts were shown. In narcissus, Bicolor, Empress and Sir Watkin. Hyacinths, Gertrude, King of Belgians, King of the Blues, King of the Yellows, La Peyrouse and Mme. Van der Hoop. As all the bulbs had been well chosen, and the decorative effect well thought out, this exhibit will stimulate the taste for outdoor plantings of flowering Spring bulbs in this country.

Nearly all the plantations of forest and fruit trees, shrubs, conifers, roses, etc., were ready for the exhibition opening. These will be dealt with in future articles. The horticultural exhibit is one of the best, and, to my idea, the most attractive of the exposition.

For the temporary show, April 18, there were fine displays of orchids, the largest exhibitors being Messrs. Bernnek, and Dalle, of Paris; Maron, of Brunoy; Regnier, of Fontenay-sur-Bois; Magne, of Boulogne-sur-Seine; Cappe & Son, of Le Vesinet. The following sorts were noticed in the different lots: Dendrobium nobile Cooksonii, D. phalænopsis, D. fimbriatum oculatum, D. Brynerianum, Epidendrum O'Brienii, E. Stamfordianum, E. Wallisii, Lælio-Cattleya Berthe Fournier, L.-C. callistoglassa, L.-C. Hayana, L.-C. highburiensis, L.-C. Wharnanensis Cappei, Cypripedium Lathamianum aureum, C. Hyeanum, C. Rothschildianum, C. varinbile Angela, Masdevallia trochilus, Phajus Normanni and sorts, Phajus Cooksonii, Phalnæopsis grandiflora aurea, Oncidium maculatum, Odontoglossum luteo-purpureum, Rodriguesia venusta, Scuticaria Steeli, Tricophilia suavis, Vanda cœrulescens, Vanda lamellata Boxalli.

Vegetable Plants—Cabbage and Tomato Plants, best leading varieties, fine plants ready to plant out, $1 per 1000; $8 per 10,000.

J. C. SCHMIDT, Bristol, Pa.

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FOR FALL DELIVERY.

FIELD-GROWN ROSES, CLEMATIS, ORNAMENTAL SHRUBS, TWINING PLANTS, Etc.

Our travelling representative, Mr. J. Austin Shaw, is now in the vicinity of PHILADELPHIA, and we shall be pleased, on request, to have him call upon any prospective purchasers.

JACKSON & PERKINS CO., Newark, New York.

Mention the Florists' Exchange when writing.

CHEAP FOR CASH

Clematis Paniculata.

Strong healthy seedlings, ready for 2 inch pots, **$3.00 per 1000.**

☞ SEND FOR SAMPLES.

FRANK JENCEK, 87 Webster Street, Newport, R. I.

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS,	AZALEAS,
SPIRÆA JAPONICA,	LILIUM SPECIOSUM,
PÆONIES,	BLEEDING HEART,
POT GROWN LILACS,	HYDRANGEA IN SORTS.

CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.

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ANDORRA NURSERIES

WILLIAM WAGNER HARPER, Prop., Chestnut Hill, Philadelphia, Pa.

SPECIALTIES: Large Specimen Ornamental Trees. Large Hardy Rhododendrons and Azaleas.

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Wholesale Growers. TREES AND PLANTS in full assortment. Trade Catalogue Free.

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THE STORRS & HARRISON CO., Painesville, Ohio

Desire to call the attention of Florists and Nurserymen to their 40 acres of **HARDY ROSES**, their complete assortment of **FRUIT** and **ORNAMENTAL TREES** and **SHRUBS**, and their 44 Greenhouses of **ROSES, PALMS, FICUS, FERNS, ETC.**

Correspondence and personal inspection solicited. Trade List and Catalogues free.

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TREES

Fruit Trees, Small Fruits, including grapes. **Ornamental Trees, Evergreens** and **Shrubs** for public and private grounds. **Shade Trees** for streets. **Hardy Roses, Hardy Plants, Climbers**, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. Rochester, N. Y.

Mention the Florists' Exchange when writing.

Of the hyacinth and other seasonable bulbs, such as tulips, anemones, ranunculus, etc., the principal exhibitors were Vilmorin, Thiebaut ainé, Thiebaut-Legendre, of Paris. This last gentleman had also a rare plant named Tecophilæa cyanocrocus, with a small flower of a pure blue—much admired by visitors. Vilmorin-Andrieux & Co. exhibited also several new things, among others Primula obconica gigantea, chamois rose; Primula obconica gigantea, bright rose, also numerous hybrids, cinerarias and an old rose-colored type of great value. Displays of Azalea indica and rhododendron hybrids from several growers were also in good form.

Of hardy shrubs in flower M. Croux, nurseryman, Aulnay-les-Sceaux, had good lilacs. Among the doubles and other kinds were noticed Cesse-Horace de Choiseul, Condorcet, Mme. Abel Chatenay, Mme. Lemoine, Michel Buchner, Gloire de Lorraine, Gloire de Moulins, President Massard, Senateur Volland. This exhibitor had also in flower Cerasus Sieboldi, Cytisus elongatus, Exochorda grandiflora, Kerria japonica, Staphylea colchica, Spiræa Thunbergii, etc. M. Georges Boucher, nurseryman, Avenue d' Italie, Paris, also showed lilacs in flower, including about the same sorts as named above, and Jean Bart, Lamark, Virginal, Beranger, President Grevy, etc., and a seedling unnamed, clear yellow in color.

Bougainvillea glabra was shown by M. Nonin, of Chatillon, in good form. German irises and violets in varieties were exhibited by M. Millet, of Bourg-la-Reine.

A new rose, named Mme. Viger, color clear rose, passing to white, with good foliage, a very promising sort, was shown by the raiser, M. Jupeau, of Le Kremlin-Bicetre.

Fruits were exhibited by different growers and in good condition. Apples Reinette Grise and Reinette du Canada were very fine. In pears Belle Angerine, Doyenne d' Hiver, Bergamotte Esperen and Beragmotte Sageret were in good shape.

Thomery, near Fontainebleau, maintained its reputation in grape culture, several growers showing magnificent lots of their Golden Chasselas of Fontainebleau. Other varieties of grapes were Drodelabi, Gradiska, Black Alicante, Pink's Black Muscat, Rose Royal Chasselas, etc.

Cerasus, with matured fruits in pots, and detached fruits were exposed by different growers in the following sorts: Anglasse native, Belle d' Orleans, Belle de Saint-Fronde, Bigarreau, Reverchon, May Duke, Ramon, Oliva, Royale, etc.

Fruiting strawberries in pots and separate fruits came from different growers, specially in Dr. Morere and Laxton's Noble, also the ever-bearing large fruited kind, St. Joseph.

The vegetable exhibition was small, but well presented, especially by Vilmorin.

The second temporary show took place in the Horticultural Palace, beginning May 9. Most of the exhibitors were the same as those mentioned in connection with the first show.

The display of orchids was large. Among the lots shown were Cattleya Luddemani, Cattleya Col. Villebois de Marevil, Cypripedium bellatulum, Lælia superbiens, Lælia hybrids, Mozart and Mme. Naelmackers, Lælio-Cattleya Empress of Russia, with its improvement, Lælio-Cattleya Empress of Russia superba.

Thiebaut ainé, seedsman, Paris, exhibited bulbous plants in flower, mostly in cut flowers, numerous varieties of tulips—double, single, Darwin, bizarres, etc. Two plants much remarked in his lot were Iris Sari and Iris iberica.

Thiebaut-Legendre, of Paris, staged bulbous plants in flower, notably Gladiolus Lemoinei in sorts and Tulipa cornuta, also perennial plants in flower, among which were admired two nice border plants—Phlox divaricata (several sorts) and Phlox nivalis atropurpurea; noted also were Alyssum saxatile nana compacta, pale yellow.

Billiard & Barre, nurserymen, exposed Crozy cannas in flower in large variety and well done.

Vilmorin-Andrieux & Co. staged their usual lot of annual flowers in pots.

Graverean, seedsman, Neauphle le Chatean, had Nemesia nana compacta in flower in the following colors: White, yellow, rose and white and red.

Lilacs, azaleas and roses were the principal exhibits of May, 9 also Clematis grandiflora, etc. Several exhibitors had magnificent Azalea mollis and Azalea mollis sinensis. M. Moser, of Versailles, showed a new A. mollis hybrid named

C. H. JOOSTEN,

SPECIAL, CANE PLANT STAKES, 6 to 7 feet, per 1000, $6.00; per 250, $1.75.
KENTIA BELMOREANA SEED, per 1000, $4.50; per 3500, $14.00.
CYCAS REVOLUTA STEMS, small size, 100 lbs., $8.00.
Catalogue of FALL BULBS and PLANTS on application.
85 DEY STREET, NEW YORK.
Mention the Florists' Exchange when writing.

BOSTON FERN—A Specialty

L. H. FOSTER, 45 KING STREET, Dorchester, Mass.
Mention the Florists' Exchange when writing.

President Viger. Numerous A. mollis hybrids, unnamed, of great value, from several exhibitors were also admired. A sport from Azalea indica Empress of India, named Mme. Moreux, clearer as to color than the type and with larger flowers, was exhibited by M. Debille, nurseryman at Versailles.

Lilacs were exposed en masse, both in pots and in cut flowers, by Messrs. G. Boucher, Paris; Baltet, nurseryman, Croyes; Lemoine, of Nancy; Gouchault, of Orleans. Among the many varieties were particularly observed double lilac Charles Joly, best red; Fernande Viger, good double white; Negro, single variety, and well named for its color.

It is impossible to describe the rose exhibition; it was too large. The principal exhibitors were Messrs. Honore Defresne, nurseryman, Vitry; Leveque, rose grower, Ivry; Rothberg, nurseryman, Gennevilliers; Nabonnand, nurseryman, Golfe Juan, etc. The roses shown were from dwarfs to standards, in pots, well grown and completely free from any disease.

Large flowered clematis were exhibited in good form by Messrs. G. Boucher, of Paris, and Paillet, of Chatenay-les-Sceaux. This last named gentleman had also 50 sorts of tree pæonies, well flowered and well assorted.

There was a nice lot of shrubs in flower exposed by Messrs. Croux, of Aulnay-les-Sceaux, and Bruneau, of Bourg-la-Reine, etc. Very interesting was the lot of M. Lemoine, of Nancy, among which were noticed Deutzia gracilis capitata, Deutzia gracilis rosea, Deutzia gracilis venusta, Deutzia Lemonei compacta, Deutzia Lemonei Snowball, and two new forms of deutzia not yet sent out—Deutzia discolor floribunda and Deutzia parviflora purpurescens.

Among foreign exhibitors those from America and Russia had nice lots of fruits. The American collections from different societies were in good form, and well grouped. Their manner of exhibiting was noted by French growers, who will profit thereby for the future. The following varieties of apples were seen in this lot: Baldwin, Golden Russet, Jonathan, Minkler, Smith, York Imperial, and Winesap.

The prizes obtained by American societies were: First prize, general collection, Illinois Horticultural Society, New York State Commission, Missouri Horticultural Society; second prize, Indiana Horticultural Society, Connecticut Pomological Society, Nebraska Horticultural Society; third prize, Kansas Horticultural Society, Virginia Horticultural Society, Agricultural Department of North Carolina.

A report of the third temporary show, which surpassed its predecessors, will be given in my next.

Add to the list of nurseries given on page 566, June 2d issue.

Enfants Antoine Chantin, Avenue de Chatillon; Charon, 130-132 Bard de l' Hopital, both of Paris, and stove and greenhouse plant growers.

At Ivry, reached by tramway from Paris, Leveque, Rue du Llegat, rose grower.

At Chatillon-sous-Bagneux, by tramway from Paris, Aug. Nonin, nurseryman.

E. T.

Hartford, Conn.

All the florists were kept busy the past week with funeral work, a number of weddings and one very large coming-out reception. Roses are plentiful, but not over good in quality. Carnations, all colors, are also plentiful, as are sweet peas, Harrisii lilies, and gladiolus.

The bedding plant trade is nearly at an end, and the majority of the growers report that they are entirely sold out. Geraniums have been very scarce, and the growers had to buy them out-of-town to fill orders. More vases, hanging baskets, window boxes, etc., were filled this year than ever before.

Mr. Greenlaw, representing N. F. McCarthy & Co., Boston, was in town the past week.

J. F. C.

Boston Ferns

Now Ready for Immediate Shipment, at $40.00 and $60.00 per 1000; $5.00 and $7.00. per 100.

H. L. CAMERON, North Cambridge, Mass.

Adiantum Farleyense

Nice young plants, ready for a shift, 2½ inch pots,

$10.00 per 100.

J. A. PETERSON, Florist, Cincinnati, O.
405 Race Street.
Mention the Florists' Exchange when writing.



Send for Our List of
Kentias, Latanias, Ficus,
Asparagus, Dracænes, etc. Ask for our price list of Perpetuated Palms. Samples sent on request. Address

THE GEO. WITTBOLD CO., Chicago,
1708 N. Halsted Street.
Mention the Florists' Exchange when writing.

ASPARAGUS Sprengeri, 2 in. pots, $4 per 100.
Plumosus Nanus, 2 in. pots, $5 per 100.
Phœnix Canariensis, 4 inch, showing characterized leaf, $2.50 per doz.; $15 per 100.
Mixed Fern Spores, $1.00 per large package.
EMERSON C. McFADDEN,
U. S. Exotic Nurseries, - SHORT HILLS, N. J.
Mention the Florists' Exchange when writing.

ARECA LUTESCENS 6 in. pots, 3 plants, very bushy, 24 ins.....$1.00
8 " " " 26 to 30 ins..... 2.00
KENTIA BELMOREANA 4 in. pot, 5 to 6 leaves, 15 to 18 in., $6.00 a doz.; $50 a 100
6 " 6 " 20 to 24 " 18.00 " 150 "
KENTIA FORSTERIANA 4 in. pot, 4 to 5 leaves, 15 to 18 in., $4.60 a doz.; $35 a 100
5 " 5 " 18 to 24 " 9.00 " 75 "
Measurements from top of pot. 6 " 6 " 28 to 30 " 1.25 each; 15 a doz.
JOSEPH HEACOCK, WYNCOTE, PA.
Mention the Florists' Exchange when writing.

ASSORTED FERNS IN FLATS

Ready for potting, $2.00 per flat.

If you are in the market for Ferns, this is the most advantageous way to buy in a stock at a little cost, each flat contains 110 small clumps of spores, which can be divided from 2 to 4 plants.

BOSTON FERN Strong plants out 5 inch pots, $4.50 per doz.; $35.00 per 100.
BOSTON IVY, Ampelopsis Veitchii, pot grown, $8.00 per 100.
GRAFTED KAISERIN A. VICTORIA ROSES, $10.00 per 100.
CLOTHILDE SOUPERT, strong plants, $10.00 per 100.
BOBBINK & ATKINS, Rutherford, N. J.
Mention the Florists' Exchange when writing.

10,000 Excellent...

Stocky 4-inch LATANIAS
READY FOR SHIFTING
$20.00 per 100, $190.00 per 1000.

WALTER RETZER & CO.,
Successors to ALBERT FUCHS,
2045-2059 Clarendon Ave., - - CHICAGO, ILL.
Mention the Florists' Exchange when writing.

CHEAP FOR CASH!



For beautifying lawns and entrances to private residences:—

Phœnix Canariensis, the only Palm which does finely in full sunlight, to set about on lawns; well spread plants.
25 to 30 inches high.....$2.00 each.
42 to 48 " " ..... 5.00 "
60 to 70 " " ..... 8.00 "

Standard Bay Trees—
Diameter of crown, 24 to 28 inches.....$12.00 per pair.
" " 26 to 28 " ..... 15.00 "
" " 32 to 34 " ..... 18.00 "
" " 34 to 36 " ..... 20.00 "
" " 36 to 38 " ..... 25.00 "
" " 38 to 42 " ..... 30.00 "
" " 42 to 44 " ..... 35.00 "
Packing free of charge

Kentias .....from $7.00 to $20.00 each.
Araucaria Excelsa.....from 50c. to 2.00 "
Araucaria E. Glauca.....from $1.50 to 3.00 "
Araucaria E. Robusta..... 2.00 "
Aspidistra, Green.....10 cts. a leaf.
" Variegated.....12 cts. a leaf.

FOR FALL DELIVERY—Cycas, Boston Ferns, Cyclamen, Ericas (our Specialty), Ardisias, Latanias, Oranges, Dracænas, Ramblers, Rubbers, Chrysanthemums, Bougainvilleas, Epacris, Lilac, Azaleas, Acacias, Arecas, Livingstonias, all home grown.

We charge for packing, actual cost of material only.

ANTON SCHULTHEIS, P. O. Box 78, College Point, Queens Borough, N. Y
Mention the Florists' Exchange when writing.

GODFREY ASCHMANN,

1012 Ontario St., Philadelphia, Pa.,
General Agent for the United States for the sale of products from
OMER VAN DEN PLAS, Horticulteur, Loochristy, les Gand, Belgium,
Offers a large stock of AZALEAS, RHODODENDRONS, ARAUCARIAS, PALMS, ETC., at lowest rates. Send for prices. All orders must be addressed to me only.
Mention the Florists' Exchange when writing.

FINE PALMS.

Kentia Belmoreana and Forsteriana—
4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, from $2.50 upwards.
Phœnix reclinata, 4 in. pots, $20 per 100; 5 in. pots, $40 per 100; 6 in. pots, 35c. each; 7 in. pots, $1.25 each; specimen plants, $2.00 upwards.
Areca Lutescens, 3 in., $15 per 100; 4 in., $25 per 100.
Latania Borbonica, 4 in., $20 per 100.
JOHN BADER, Troy Hill, Allegheny, Pa.
L. D. TELEPHONE 872A.
Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.
Mine is the Genuine Stock.
FRED. C. BECKER, Cambridge, Mass.
1730 CAMBRIDGE ST.
Mention the Florists' Exchange when writing.

ASPARAGUS PLUMOSUS

Fine stock, 5 to 8 inches high, from 3 inch pots, $10.00 per 100; very strong, 10 to 12 inches high, $12.00 per 100. A few heavy plants, from 5 inch pots, $1.75 per dozen. Cash with Order.
A. S. WALLACE, Florist and Nurseryman,
MONTCLAIR, NEW JERSEY.
Mention the Florists' Exchange when writing.

FERNS Our Specialty.

A Grand Stock of MAIDEN HAIR FERNS, in 4 in., ready for 5 in. pots.	100 $10.00	1000 $95.00
Full-grown plants, in 2½ in., ready for a shift	4.00	35.00
Fine lot of ASSORTED FERNS for Jardinieres, all the best varieties, in 2½ inch pots	4.00	35.00
Asparagus Sprengeri, 5 in. pots	25.00	
Gardenia Florida, strong, healthy plants, 5 in. pots	15.00	
Gardenia Florida, 2½ in. pots, extra strong	4.00	

Money returned if not satisfactory.
TERMS CASH OR C. O. D.
ANDERSON & CHRISTENSEN, SHORT HILLS, N. J.
Mention the Florists' Exchange when writing.

Boston Ferns

Small Plants, $5.00 per 100; $40.00 per 1000.
Large Plants, $10.00 to $100 per 100.
JOHN SCOTT, Keap Steeet Greenhouses,
BROOKLYN, N. Y.
Mention the Florists' Exchange when writing.

Palms Cheap

	In. pots	Ht. high	No. leav's	Price per 10	Price per 100
Areca Lutescens	4	13-15	2-3	$1 20	$11 00
" "	3½	18-20	3-4	1 50	15 00
" "	5	20-24	4-5	3 50	30 00
Curypha Australis	4	12-15	4-5	2 00	15 00
" "	5	18-20	5-6	4 00	35 00
" "	6	26-30	5-7	5 00	45 00
Chamærops Excelsa	4	12-15	4-5	2 00	15 00
" "	5	18-20	5-6	4 00	35 00
Chamærops Humilis	4	15-18	4-5	2 00	
Canariensis	5	20-24	4-5	4 50	
Seaforthia Elegans	4	15-18	3-4	1 30	13 00
"	5	20-24	3-4	2 75	25 00

For other varieties and sizes see Wholesale List.

These plants are all strong and ready for larger pots. All orders must be accompanied by the cash. Address all orders to

W. J. HESSER, Plattsmouth, Neb.
Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, and ten cents to cover expense of forwarding.

SITUATIONS WANTED.

I CAN fill any position in a seed store; want a position; can furnish good references. S. J., care Florists' Exchange.

GARDENER and florist, German, single man, well posted on indoor and outdoor plants, good propagator, also landscape gardener. T. A., care Florists' Exchange.

YOUNG man wishes position as foreman in commercial place; single, twelve years' experience in roses, carnations, 'mums and general line of stock; good references. Address E. B., 361 South 18th St., Newark, N. Y.

SITUATION wanted, private place or one to board away from work preferred; English, age 29; fourteen years' experience in all branches of florist and gardening work; abstainer, good references. Address J. Lake, Concord, N. H.

WANTED situation in private or commercial place, by experienced grower of cut flowers and plants; good knowledge of all departments of horticulture; able to take charge; American and European references. Address S. T., care Florists' Exchange.

SITUATION WANTED AS MANAGER or foreman by a practical grower of roses, carnations, chrysanthemums, violets, decorative plants, forcing bulbs; 24 years' experience in Europe and this country, 3 years in last place as foreman; good wages expected. MANAGER, 249 N. 10th St., Philadelphia, Pa.

HELP WANTED.

WANTED man, single, sober, industrious, to do general greenhouse work; $20.00 per month and board. H. Book, Worcester, Mass.

WANTED, a florist, one who understands growing of cut flowers and pot plants; give reference; good wages to good man. S. Y., care Florists' Exchange.

WANTED, an experienced man, who thoroughly understands palms, to care for small greenhouse in city; steady position to right man. L. Hart, 1060, Madison Ave., New York.

WANTED—A man fully qualified to take charge of my greenhouses; 65,000 feet of glass in cut flowers; my present foreman resigns on account of ill health. E. Hippard, Youngstown, Ohio.

WANTED, a good all-around man, single, to work in a greenhouse; one who understands potting, propagating, etc.; state references from last place, also wages. T. D., care Florists' Exchange.

WANTED, good florist, married man preferred, whose wife will keep house for three besides herself and husband; permanent place to good people. Address, with reference, S. Z., care Florists' Exchange.

WANTED, a steady, reliable young man, with some experience, for general greenhouse work. Wages $18.00 per month and board. State where last employed and experience. Geo. S. Belding, Middletown, New York.

WANTED, an experienced gardener and florist to work in a greenhouse near Boston; must be a good potter and propagator, also able to make up designs; none need apply except those who understand the business; state wages and full particulars; references from last place. T. B., care Florists' Exchange.

WANTED, a working head florist and gardener to take charge of my private place in Omaha, Neb.; 1000 feet glass, 5 acres lawn; keep two men in the winter and two extra men in the summer; wages, $60.00 per month and free use gardener's lodge on premises; must be first-class in every respect, with references. Address C. H. Richards, Drawer 1259, Omaha, Neb.

WANTED—A good florist, one who is polite, sober and honest, understands roses, carnations, violets, chrysanthemums and pot plants; not afraid to work in any branch of business. Must be a good designer and work to his employer's interests. A good place for the right man, no others need apply; good references expected, state wages in first letter. Address W. B. Jobes, Bordentown, N. J.

SEEDSMAN—A FIRST-CLASS MAN, EXperienced in all departments. Give particulars to A. B. C., Lock Box 1618, Philadelphia.

WANTED ASSISTANT, THOROUGHLY posted in the seed, bulb and plant business, and well up in flower seeds. Good position with Eastern retail house. Address S. K., care Florists' Exchange.

MISCELLANEOUS WANTS.

WANTED, 1,400 feet 1¼ inch, 50 feet 4 inch, 40 feet 3 inch, 400 feet 2½ inch good second hand wrought pipe; also 40 boxes A glass, double or single weight; giving best prices. Address C. B. Shisler, Williamsville, N. Y.

Mention the Florists' Exchange when writing.

MISCELLANEOUS WANTS.

WANTED 3000 ft. of 10x12 glass, double thick, state price. George I. Laird, 3014 Fulton St., Brooklyn, N. Y.

WANTED TO LEASE, FLORISTS' place, without stock, near New York; New Jersey preferred. Address S. V., care Florists' Exchange.

MISCELLANEOUS.

FOR SALE—3 locomotive pattern boilers; all the above are second-hand steam boilers, in good condition. Address R. F., care Florists' Exchange.

FOR SALE, some extra good second-hand 3-inch pipe, at 6c. per foot; also some 4-inch; secure it while it lasts. W. H. Salter, Rochester, N. Y.

FOR SALE—A No. 5 SCOLLAY IMproved Portable Hot Water Boiler, in first-class condition. Address The Deer Hill Conservatories, Danbury, Conn.

BUSINESS OPPORTUNITIES.

FOR RENT, with privilege of buying, a place with 3 new greenhouses, 87 feet long, heated by Hitchings No. 17 boiler, dwelling house and city water on place; within 15 minutes from New York City, a good chance for live man. Address John M. Meyer, Sr., Metropolitan P. O., Queens Bor., N. Y.

FOR SALE—14,000 feet of glass, used mostly for roses, 4 acres of ground and 2 dwelling houses; 3 minutes from station, city improvements, hot and cold water, and good forcing water in greenhouses supplied by Summit Water Co. Will sell whole or part interest. A. Harth, Milburn, N. J.

P. GORMLEY offers his greenhouse property for sale, consisting of 6,000 feet of glass, 1¼ acres of land, cottage house and barn, ample sheds to greenhouses, everything convenient; I will sell at a sacrifice, and if not sold before the 30th of June I will offer the plant at auction Saturday, June 30th, at 10.30 o'clock. For any information address P. Gormley, Tremont and Cambridge streets, Worcester, Mass.

FOR RENT OR SALE—15,000 square feet of glass, all new houses, modern improvements, steam heat, house, barn, and one acre of land, best retail stand outside of city limits, right opposite Woodmere Cemetery entrance, one of the largest cemeteries in the State of Michigan, two blocks from railroad depot. Can be rented for $50.00 per month without stock. Reasons for selling out, too much other business. Anton Kaier, Woodmere, Mich.

FOR SALE—NEWLY BUILT FLORISTS' place. For particulars, address S. W., care Florists' Exchange.

FOR SALE—240 ACRES OF LAND ON Isthmus of Tehauntepec, State of Vera Cruz, Mexico. For full particulars write Roland Hughes, 846 New York Life Building, Kansas City, Mo.

THREE GREENHOUSES, GROUND 100x142 feet, liquid tank piped to houses, water temperer; small house not quite finished; electric cars 50 minutes from New York City; good real estate investment. THOS. H. MADELEY, Hart Park, Staten Island, N. Y.

The New York Rose Show.

The American Rose Society held its first midsummer show this week in the Eden Musée, New York. The exhibition opened Tuesday and continued three days.

This exhibition, being held in June, is, we understand, gotten up chiefly to interest private gardeners and amateurs, though by referring to the schedule it is seen that the major portion of the classes are "open to all." It is a well-known fact that the commercial grower cannot make extensive exhibits at this time of the year, while for the private gardener and amateur the present period may be safely called the height of the season; and it is to be regretted that with the liberal prizes offered in the schedule of 41 classes there was not keener competition among the many gardeners and amateur rose growers of the country.

In about one-half the classes there were no entries and in many of the others only two or three competitors. This lack of interest among the gardeners is much to be deplored. We cannot have a really creditable rose show in June without them, and if there is some underlying difficulty that prevents them from entering into the spirit of the thing it ought to be brought to light and removed. There is one thing we would like to suggest to the society when holding shows in the future, and that is, that the entry book shall not be closed until the morning of the day the exhibition opens. This would, in a measure, make it unnecessary to scour the country side at the last moment to round up exhibitors and solicit exhibits.

On the first day (Tuesday) the showing of roses was rather slim, but there were on view goodly collections of herbaceous and other flowers that filled the tables, and helped to make a creditable display. John Lewis Childs, Floral Park, N. Y., had an extensive collection of hardy flowers, among which were some choice forms of German iris, pæonies, hemerocallis, aquilegias, zephyranthus, phlox and lilies. Siebrecht & Son, New Rochelle, N. Y., besides entering largely into the rose competitions, made a pretty showing of hardy flowers, among them being some choice single flowering pæonies, one, Fantasie, a very pleasing pink variety. Dailledouze Bros., Flatbush, N. Y., displayed a magnificent bunch of their No. 666 carnation. Its fine keeping qualities in warm weather were well demonstrated here. Benjamin Dorrance, Dorranceton, made an exhibit of hardy and indoor roses. The Pratt estate, Glen Cove, N. Y., showed 85 varieties of hardy roses, and the New York Botanical Garden, 20. These three exhibitors did not enter for competition, however. There was also a collection of garden roses from F. R. Pierson Co., Tarrytown, N. Y.

On the second day (Wednesday) most of the hardy flowers were removed and replaced with roses. This gave the hall a much better appearance as a rose show than it possessed the day previous. The judges for the first day were F. Newbold, Wm. Turner and J. W. Withers. Their awarding resulted as follows: For the best 25 varieties, three of each; 12 named varieties, three of each; 6 named varieties, three of each; display of single roses, display of moss roses and collection of 100, named, Siebrecht & Son took first honors, Wm. Scott taking the second prize in the class for six named sorts.

In the hybrid classes, for Mme. Gabriel Luizet, W. W. Law was first, Siebrecht & Son second. Wm. Scott took first for Alfred Colomb and Marshall P. Wilder, Siebrecht & Son were first for Baroness Rothschild, second going to W. W. Law. For Anne de Diesbach W. W. Law was first. Siebrecht & Son secured first for Ulrich Brunner and Gen. Jacqueminot, and W. W. Law second. Siebrecht & Son also were first for six of any variety.

On the second day (Wednesday) the judges were Robert Simpson, J. Holloway and Dr. Van Vleet. In the private gardeners' class W. G. Gomersall, Fishkill, N. Y., took the premier honors for the best 12 varieties. For the collection of named roses, not less than 150 blooms, the first prize, a silver cup, valued at $35, went to Geo. H. Hale, gardener to Mr. E. D. Adams, Seabright, N. J.

In the amateur class, Miss Ingraham won first prize for 12 blooms, named, and for six blooms, also named varieties.

The Henderson Cup, valued at $50, offered for the best display of hardy roses, was won by Siebrecht & Son. The Joline Cup, offered for the best 36 blooms of La France, was captured by Thos. Young, Jr.

Certificates were granted to W. A. Manda, South Orange, N. J., for collection of hybrid Wichuraiana roses and M. Horsath, Glenville, O., also, for new hybrids of this rose. In the latter collection a cross of R. Wichuraiana with Bridesmaid looked promising as a pillar rose.

There was also on exhibition some very fine blooms of Cattleya gigas, grown by Peter Duff, Orange, N. J., gardener to J. Crosby Brown, Esq.; a plant of Cattleya Mendelii having a number of choice blooms grown by T. Welch, Riverdale, N. J., and a few vases of Malmaison carnation from F. W. Newbold, Poughkeepsie, N. Y.

Robert Kift, Philadelphia, made an elaborate display of his cut flower holders, the arrangements for table and altar bouquets being specially admired.

The New York Gardeners' Society had their strawberry show near the orchestra on the same floor as the rose show, and Wm. Scott, S. Hess, H. L. Terrel and H. Nichol captured the major portion of the prizes.

Some of the gardeners from up state, on the occasion of their first visit to the Eden Musée, to see the rose show of the American Rose Society, this week, were much chagrined at the stolidity and indifference shown by the wax figures, especially those of the policeman and guards, when asked for information as to the locality of the floral exhibition. Pretty servant girls, in wax, also came in for a share of attention, unwittingly.

Hackensack, N. J.

Captain John J. Phelps, of the Red Towers Greenhouses, has started on a fifteen hundred, probably a two thousand, mile drive with a team of four horses. Captain Phelps is locally noted as a long-distance traveler by land and water, being equally at home on the seat of a coach or the deck of a ship. A few years ago he had the schooner yacht Brunnhilde built, and sailed her around the world under a master's certificate, issued to him by the Government. On this trip he lost a mast during a gale on the Red Sea, and later in the China Sea fought off Chinese pirates who attempted to board the Brunnhilde in small boats. The present drive will occupy about three months.

North Cambridge, Mass.

Wm. A. Beck has received a very fine importation of palms, rubbers and araucarias. His stock of the true Boston fern, of which he makes a specialty, is in fine condition now. He has a very large stock of them and has shipped thousands during the past few weeks, especially to the Western states.

Oyster Bay, N. Y.

Jas. C. Clark, who has for a number of years been superintendent of the Seawanhaka Greenhouses, Oyster Bay, N. Y., will on June 18 enter the employ of Henry A. Dreer, at Riverton, N. J.

Morris, Ill.

A. Mitting and family, of the Morris Floral Co., left for Europe June 11, for a three months' visit, and to hunt up new plants.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.

LARGE GREENHOUSES AND FLORAL BUSINESS For Sale at a great bargain. Centrally located in a flourishing and growing city of nearly 150,000 people. The leading house in that line within a radius of 200 miles. A large and fine trade with the best class of customers. No house has a better reputation. No debts of any kind. This plant is offered for sale at a great bargain because the proprietors have gone into other business. Address for particulars

S. L., care Florists' Exchange.

Mention the Florists' Exchange when writing.

Presentation to F. L. Harris, Boston.

About eighty friends of the veteran gardener, Fred. L. Harris, coming from many parts of the country, gathered at the Hotel Brunswick, Boston, on Saturday evening, June 9, to show their respect for and admiration of this venerable gentleman, who has perhaps done more for the gardening profession than any other man on this side the Atlantic. Mr. Harris had only just retired from the position of head gardener at the beautiful and world-renowned estate of H. H. Hunnewell, Esq., at Wellesley, a position he had held for 46 years, during which time his artistic taste and his great energy and ambition have raised the place to the rank it now holds—at the very top of the ladder.

When learning of his intention to retire a body of his friends instituted proceedings looking toward tendering him a complimentary banquet and presentation, and a committee consisting of M. H. Norton, chairman; E. M. Wood, W. J. Stewart, W. W. Edgar and F. R. Mathisoa was appointed to take the matter in charge. It may here be mentioned that great credit is due this committee for the success and smoothness of the event. Ninety-three subscribers entered into the spirit of the affair and thus greatly aided the committee in its task.



FRED. L. HARRIS.
For 46 years Gardener on H. H. Hunnewell Estate, Boston.

The guests arrived in good season, and were received by Mr. Harris in the handsome "Venetian room" of the hotel. The decorations of the dining hall, all contributed by friends, were very elaborate and artistically arranged, W. W. Edgar being chairman of the special committee on decoration. A bountiful banquet had been prepared, and as is always the case with members of the craft here "ample justice was done to it."

When cigars had been reached M. H. Norton called the gentlemen to order and introduced W. J. Stewart, who in a few well-chosen remarks presented Mr. Harris with a large, handsome loving cup, suitably inscribed on one side, while the other side contained a true representation of the Italian garden, which has long been an interesting feature on the Hunnewell estate. After gaining control of his feelings Mr. Harris responded, thanking all present for the much appreciated gift.

The presiding officer next introduced Hon. C. W. Hoitt, Nashua, N. H., as toastmaster. Mr. Hoitt's abilities in this line are too well known to need further comment. He succeeded in keeping everybody in a happy frame of mind throughout the whole of the proceedings.

Among those gathered around the festive board were the most prominent gardeners and florists in this vicinity, also some well-known visitors, including Robt. Craig, R. E. Berry and George C. Watson, Philadelphia, Pa.; Wm. R. Smith, Washington, D. C.; Patrick O'Mara, New York; John N. May, Summit, and W. A. Manda, South Orange, N. J.; Henry A. Siebrecht, New York; T. McCarthy, Providence, R. I.; Jos. A. Fuller, Leominster, and H. F. A. Lange, Worcester, Mass. Most of these gentlemen were called on for a few words, as were several of our local orators, all of whom paid a high tribute to the grand old man whom they had met to honor. Messrs. John K. M. L. Farquhar, John Galvin, Fred. R. Mathison, Lawrence Cotter and last, but not least (any way you put it), Warren Ewell paid their respects for the local members.

Fred. L. Harris, Jr., ably entertained the party with a few piano and vocal selections which were well received, as were the efforts of a quartette, which discoursed several appropriate songs.

After singing Auld Lang Syne the party broke up. A very neat souvenir menu card had been prepared bearing an excellent likeness of the guest of honor. This was preserved by all present, and in future years will remind them of the pleasant evening thus spent. F. J. N.

At the meeting of the New York Florists' Club, held Monday evening last, Messrs. Wm. R. Smith, Washington, and Robert Craig, Philadelphia, were visitors, both being en route to their respective homes from participating in the complimentary dinner festivities given in Boston to F. L. Harris, gardener to H. H. Hunnewell, Esq. Both gentlemen made a few remarks. Mr. Craig, in eulogizing Mr. Harris' attainments, said: "I wish all the young gardeners of the country could study Mr. Harris' methods, emulate his honesty of purpose, and try to achieve something of his greatness in the line of gardening. He had a brilliant imagination, a healthy fancy to conceive those beautiful designs which, by industry, application, patience and perseverance, he brought into such wonderful development. He created a garden that is a credit to the country and an inspiration to the whole world." On motion of Mr. Manda Mr. Harris, who had been in Mr. Hunnewell's employ for 46 years, and whose kindly offices on the occasion of the S. A. F. visit to that gentleman's grounds, are still a pleasant memory with all participants, was made an honorary member of the club, the president also paying a high tribute to the qualities of the man.

A. Blanc & Co., Philadelphia, have issued their illustrated catalogue of new and rare plants and bulbs. The frontispiece represents an Alpine scene, with a mountaineer exhibiting flowers of the edelweiss in a Swiss home. Florists and others in search of new things should send to the firm for a copy of the catalogue.

American Association of Nurserymen.

The twenty-fifth annual meeting of the American Association of Nurserymen was held June 13 and 14, at the Chicago Beach Hotel, Chicago, Ill. A large number of members was present.

An address was made by Hon. N. H. Albaugh, of Ohio, giving reminiscences of the association and its members up to the silver anniversary. Mr. Albaugh referred feelingly to those members who had passed away, mentioning particularly Peter Henderson, Elisha Moody, Robert Douglas, S. W. Hoover, Isidor Bush, Franklin Davis and George W. Campbell. He also referred in high terms of praise to Mr. Van Lindley, of North Carolina, and Z. K. Jewett, of Wisconsin, who had for so many years been faithful members of the association.

N. W. Hale, of Knoxville, Tenn., gave a talk on the retail nursery business. Mr. Hale desires to see a high standard set in the type of agent employed to solicit business, as it becomes the mission of these men to educate the people and awaken in them the desire for the good and beautiful things which the nurserymen can furnish. Prof. N. E. Hansen, of South Dakota, read a paper on some new lines of work for prairie nurserymen. The paper contained recommendations as to varieties of plums, pears, cherries, peaches, and grapes which could be safely planted by farmers in the great Northwest, naming the Prunus Americana plums, Russian pears, Vladimircherry, Bokhara Number Three peach, and stating that the future would have to evolve a grape which would be hardy enough to winter in the prairies. Mr. R. C. Berckmans, of Georgia, read a paper on the future of the nursery business in Cuba and Porto Rico, in which he gave an account of conditions found there during a recent visit.

The report of the committee on legislation showed nothing as yet accomplished, although the committee expect to get their bill through shortly. The obstacle in the way of passage during the past year was an amendment which the fruit interests of California had succeeded in inserting at the end of the section regulating interstate shipments reading as follows: "Provided, however, that nothing herein contained shall prevent the inspection of such nursery stock by the authorized inspectors of any state or territory at the final point of destination in accordance with the laws of said state or territory."

The report of Committee on Exhibits mentioned photo and litho plates, by Rochester Lithographing Company; Missouri raspberries, by Henry Wallis, of Wellston, Mo.; specimens of juniper, Arbor vitæ; photos of hybrid and tea roses and carnations, also gooseberries, by Joseph Heinl, of Jacksonville, Ill.; new evergreen, by Baker Brothers, Fort Worth, Kan.; plain and printed labels, by Benjamin Chase, of Derry, N. H.; litho and hand-painted plates, by Stecher Lithographing Company, Rochester, N. Y.; Clematis paniculata, by E. Runyon, Elizabeth, N. J.

The report of the treasurer showed a balance on hand of $1,400. Standing committees appointed are: Transportation—A. L. Brooke, Topeka, Kan.; William Pitkin, N. W. Hale, and Peter Younger. Tariff—Irving Rouse, Rochester; Thomas B. Meehan, J. J. Harrison. Legislation—C. L. Watrous, Silas Wilson, N. H. Albaugh, R. C. Berckmans, Charles J. Brown.

Officers for the ensuing year are: President, Theodore J. Smith, Geneva, N. Y.; vice-president, N. W. Hale, Knoxville, Tenn.; secretary, Geo. C. Senger, Rochester, N. Y.; treasurer, C. L. Yates, Rochester.

Next place of meeting, Niagara Falls.

Philadelphia.

Trade News.

The retail stores have been quiet this week; almost all flower buyers have gone out to their suburban residences. About the only business going on is a few commencements and these do not benefit the florist to any great extent, as in many schools flowers have been forbidden at the graduation exercises.

The principal event now talked of is the Republican convention, and from present indications florists will not derive much benefit from it. The city is now filling up rapidly with politicians, and the usual flower buyers are as rapidly getting away from the crowds.

All kinds of flowers are plentiful, and prices in favor of the buyer. Nothing is moving well, and with the close of this week business will settle down to the regular summer basis.

The June meeting of the Pennsylvania Horticultural Society will be held next Tuesday evening, and will be a sweet pea night. There will be many exhibits staged in competition for the prizes offered by Henry F. Mitchell for pink sweet peas, and for general display of sweet peas. D. R.

ROSES BRIDES and MAIDS, 4 inch, $5.00 per 100; $45.00 per 1000. 2½ in., 3.00 per 100; 25.00 per 1000. 2 inch, 2.50 per 100.
Careful Packing. Light Boxes.
P. COSGROVE & SON, Madison, N. J.
Mention the Florists' Exchange when writing.

VIOLETS I have about 3,000 Marie Louise, sand struck, well rooted cuttings to sell, clean, healthy stock, free from all disease and insects, they are worth $20.00 per 1000. Cash with order.
JOSEPH MARKLE, Rhinebeck, N. Y.
Mention the Florists' Exchange when writing.

LAST CALL. While referring to our last week's ad., just cut one dollar per 100 off those prices. Strong Lantanas, white, 5 in. $1.80 per doz. Strong night-blooming Jessamine, 6 in., $3.00 per doz., 3 in. $4.00 per 100. Strong Abutilons, green, 3, 4, 6 ins., 50 cts., $1.00 and $3.00 per doz.; green and white foliage, 6 in., $3.00 per doz. Will have field-grown carnations and variegated Periwinkle in fall; strong parrot feathers, 60 cts. per doz.
FELTONVILLE NURSERIES, Sta. T, Philadelphia, Pa.
Mention the Florists' Exchange when writing.

POTTED VIOLET CUTTINGS
Farquhar ..... per 1000, $20.00
Lady Campbell ..... " 15.00
Princess of Wales ..... " 12.50
Clean of all diseases and guaranteed pure stock.
Field-Grown Plants, Ready July 1.
Cash Must Accompany all Orders.
GREEN SPRINGS FLORAL CO., Waldrop P. O., Louisa Co., Va.
Mention the Florists' Exchange when writing.

VIOLETS From pots. At stock, free from disease: Lady Campbell, M. Louise and Farquhar, $2.50 per 100; $20.00 per 1000; New Imperial, fine stock, $3.00 per 100; $25.00 per 1000.
GERANIUMS S. A. Nutt and Bruanti, $6.00 per 100. 3 in., $3.50 per 100, Jaci. Mme. Salleroi.
ALTERNANTHERA red and yellow, from flats, $2.00 per 100.
CRABB & HUNTER, Grand Rapids, Mich.
Mention the Florists' Exchange when writing.

Ready for Delivery on and after June 20th,
Marie Louise Violet Plants
From soil, clean, healthy stock, $20.00 per 1000.
L. R. LANE, - Babylon, L. I.
Mention the Florists' Exchange when writing.

200,000 Aster Plants
Strong, stocky plants, ready to plant out, Queen of the Market, Truffaut's Perfection, Comet, Victoria, and Semple's Branching, Semple's in mixed and separate colors; seed saved from the largest and most double flowers only, 50c. per 100, by mail, $1.50 per 500; $2.50 per 1000, by express.
GUSTAV PITZONKA, Bristol, Pa.
Mention the Florists' Exchange when writing.

2000 GERANIUMS
$6.00 per 100, 4 in., Grants, Poitevines and Nuts; 1000 3 in., $5.00 per 100.
1500 COLEUS, 2½ in., assorted, $3.00.
200 FUCHSIAS, 3 and 3½ in., $4.00.
200 VINCAS, 5 in., 4 in. and 3 in., 15 cts. to 6 cts.
Lot extra fine DRACÆNA INDIVISA, 3 and 3½ ft., also lot 4 in., from 75 cts. to $1.00 each.
500 CANNAS, C. Henderson, Florence Vaughan, and others, 3½ and 4 in., $5.00; all out of pots.
Theodore Searles, Florist, Port Chester, N. Y.
P. O. BOX 303.
Mention the Florists' Exchange when writing.

Bedding Plants
CHEAP.
Geraniums, 25 varieties, assorted; Fuchsias, 6 varieties; Lantanas, Cigar Plants, Verbenas, Coleus, Salvias, Petunias, double and single; Heliotropes, Thunbergias, Lobelias, Ricinus, Cannas, Caladiums, Myrtle, Var. Funkias, Var. Vinca, Marigold, Asters, Balsam.
Mix you up 12 of any of these at 65c., $5.00 per 100, $40.00 per 1000, out of 3½ and 4 in. pots; 30c. per doz., $2.00 per 100, out of 2 and 2½ in. pots.
K. E. JUUL, Cor. Chestnut and Walnut Sts., Elizabeth, N. J.
Mention the Florists' Exchange when writing.

CARNATIONS

WM. SWAYNE, Kennett Square, Pa.

Mention the Florists' Exchange when writing.

IVORY 'MUMS

FINE STOCK, 2½ inch pots,
$2 per 100; $17.50 per 1000.

Cash, please.

HENRY EICHHOLZ, - Waynesboro, Pa.

Mention the Florists' Exchange when writing.

VALUABLE NOVELTY Beautiful New Foliage Plant.

CHRYSANTHEMUM GREEN AND GOLD

Leaves exquisitely variegated; pale lemon, yellow and light green, the yellow predominating. Lovely at all times, but when adorned with its immense double, fluffy, cream white flowers, beautiful to behold. Comes true, rarely giving green shoots. DON'T FAIL TO TRY IT. $2.00 per doz.; $10.00 per 100. Send for Catalogue and Trade List.

Mrs. Theodosia B. Shepherd, Ventura-by-the-Sea, Cal.

Mention the Florists' Exchange when writing.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES,

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Callingfordii	Mrs. Jerome Jones
Glory of Pacific	Mrs. S. T. Murdock
Ivory	Mme. F. Bergmann
Minerva	Rose Owen
Mrs. J. G. Whilldin	The Queen

and other varieties, 2½ inch pots,
$2.00 per 100.

ASTER.

Semple and Victoria plants, from seed bed, 25 cents per 100; $2.00 per 1000.

Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

NOW FOR 'MUMS!

I offer to the trade my fine young stock of 'Mums, out of 2½ inch pots.

Early White. Lady Fitzwygram, Bergmann, Robinson, Ivory.

Early Yellow. Lager, Golden Trophy, Whilldin, Mrs. O. P. Bassett.

Early Pink. Glory of Pacific, Rose Owen, Pink Ivory.

Midseason and Late. Mrs. Perrine, pink; Autumn Glory, pink; Modesto, yellow; Bonnaffon, yellow; Dailledouze, yellow; Niveus, white; Mrs. H. Weeks, white; Rob. Halliday, yellow; Mrs. L D. Black. At $2.50 per 100.

Philadelphia, Pennsylvania, Adula and some more newer kinds, at $5.00 per 100.

CASH, PLEASE.

CHAS. ZIMMER, West Collingswood, N. J.

Mention the Florists' Exchange when writing

WM. MURPHY,
Wholesale Carnation Grower.

Sta. F., CINCINNATI, O.

CARNATIONS

F. DORNER & SONS CO., La Fayette, Ind.

GERANIUMS

In 4 inch pots, to bud and in bloom, composed of the following varieties:

Beaute Poitevine,	E. G. Hill,
La Favorite,	Jas. Garr,
Marguerite De Lyas,	Mrs. F. Perkins,
Ruy Blas,	Alphonse Riccard
Van Dale,	Wilhelm Pfitzer.

And several other No. 1 varieties, all in fine condition or on sale.

FUCHSIAS

In variety, 4 inch pots. The selection of sorts to remain with us.

Price, $5.00 per 100.

PACKING FREE. CASH PLEASE.

J. E. FELTHOUSEN, Schenectady, N. Y.

Mention the Florists' Exchange when writing.

FINE STOCKY PLANTS

	Per 100	1000
ASTERS, the best varieties....	$0.35	$2.50
STOCK, Princess Alice.....	.30	2.50
COSMOS, Early Dawn.....	.35	3.00
CANDYTUFT, Empress.....	.25	2.00
SWEET ALYSSUM, Little Gem.....	.25	2.00
ZINNIA, Dwarf Double.....	.35	2.50
AMPELOPSIS VEITCHII	.50	4.00
BALSAM, Camellia-flowered...	.35	3.00
CARNATIONS, Margaret, semi-dwarf.....	.35	3.00
SMILAX, plants from flats....	.50	4.50

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing

CLOSING OUT PRICES



Carnations Strong, ready to set out in field:

	100	1000
Wm. Scott...	$0.80	$7.00
L. McGowan.	.80	7.00

Fuchsias rooted cuttings, all named and good, $1.00 per 100.

Coleus 70 cts. per 100; $5.00 per 1000. Floe, large plants, $1.75 per 100; $15 per 1000.

30,000 Violet Runners, Californias, $1 per 100; $8 per 1000.

20,000 Smilax Fine 2 inch plants, $1.25 per 100; $10.00 per 1000.

VERBENAS ALL SOLD.

Express prepaid on all rooted cuttings, and sure to please you.

C. HUMFELD,
VERBENA KING,
CLAY CENTER, KANSAS.

Mention the Florists' Exchange when writing.

Blooming Plants, nice strong, out 2½ and 3 in. pots.—**Nasturtium,** King of Tom Thumb. **Sweet Alyssum,** Little Gem. **Lobelia,** Emp. William, dark blue. **Phlox Drummondi,** Nana Compacta Hortensiaflora, pink. **Petunia,** Cal. Giants and dwarf inimitable, each kind, $2.00 per 100 Cash, please. **Shellrond Greenhouses,** Grange P. O., Balt., Md.

Mention the Florists' Exchange when writing.

Clearing Sale or Exchange Geraniums, fine stock, 3 and 4 in., $4 and $6 per 100; Alyssum, 2 and 3 in., $1 and $2 per 100; Coleus, red and yellow, 2 and 3 in., $1 and $2 per 100; Asters, 2 in. pots, $1.50 per 100; Alternantheras, red and yellow, $1.50 and $2 per 100; Ampelopsis Veitchii, 4 in., $4 per 100; Chrysanthemums, all the leading varieties, 2 and 3 in. pots, $2 and $3 per 100. All the above is in first-class condition. Will exchange for Smilax or young Rose plants. Cash with order. **Waverly Greenhouses,** Tuckahoe, N. Y.

Mention the Florists' Exchange when writing.

ALTERNANTHERAS

P. Major, 2 inch pots, $1.75 per 100; **A. Nana,** 2 inch pots, $1.50 per 100.

COLEUS.

2 inch pots, **Crimson Verschaffeltii, Golden Queen** or **Bedder,** or mixed, $1.50 per 100. CASH WITH ORDER.

C. A. HARRIS & CO., Delanson, N. Y.

Mention the Florists' Exchange when writing

20,000 COLEUS

At Reduced Rates to Close Them Out.

VERSCHAFFELTII and other vars., in 2½ inch pots.

$1.50 per 100; $14.00 per 1000.

ALEXANDER MEAD & SON,
349 Lake Ave., GREENWICH, CONN.

Mention the Florists' Exchange when writing.

SOME GOOD STOCK

	Per 100
Solanum Capsicastrum, 2 in.....	$1 50
Smilax, strong, 2 in.....	1 25
Carex var., fine, 2 in.	3 00
Boston Ferns, strong.....	5 00
Aspidistra, 10 leaves.....	4 50
Asparagus Sprengeri, 2 in.....	2 00

A. C. FEHR, Belleville, Ills.

Mention the Florists' Exchange when writing.

GERANIUMS

Good varieties, from 4 in. pots, $50 a 1000.

Strictly Cash With Order.

L. I. NEFF, Florist, 218 Sixth Street,
PITTSBURG, PA.

Mention the Florists' Exchange when writing.

LOOK HERE!

Good Stock Cheap. To Make Room.

Geraniums, mixed, 2 in.....	per 100,	$1.80
Cobæa Scandens, 2 in.....	"	1.75
Humulus Variegata, 2 in.....	"	1.75
Sweet Alyssum, dwarf, 2 in.....	"	1.50
Selaginella Denticulata, strong, 2 in.	"	1.00
Smilax, strong, 2 in.....	"	1.25
Yellow Coleus, Larkspur, Stocks, Etc., 2 in.....	"	1.50

E. I. RAWLINGS, Wholesale Florist, Quakertown, Pa

Mention the Florists' Exchange when writing.

ALTERNANTHERA.

Red, per 100, $2.00; per 1000, $18.00.
Yellow, " 1.75; " " 15.00.

	Per 100
Verbenas, Mammoth, 2 in.....	$1.00
Rudbeckia, Golden Glow, 2½ in.	2.00
Abutilon, Souv. de Bonn, 3 in....	2.50
Fuchsias, best mixed varieties, 3 in...	3.00
Petunias, Single, 3 in.....	3.00
Cigar Plant, 3 in.....	2.50
Coleus, Golden Bedder, 2 in.....	2.00
Lantanas, Mixed, 3 in.....	3.00

Satisfaction Guaranteed. Cash with Order.

GEO. L. MILLER, Newark, Ohio.

Mention the Florists' Exchange when writing

SURPLUS STOCK

	Per 100
125 Egandale Cannas, 3 in. pots.....	$8.00
275 Robusta Cannas, 3 in. pots.....	6.00
Grevillea Robusta, 2½ in. pots, strong stock, 12 to 18 in. high.....	$ 00
Asparagus Tenuissimus, 2½ in. pots.....	3.00
Cyperus Alterulifolius, 2½ in. pots.....	2.50
Lemon Verbena, 2 in. pots.....	2.50
Coleus, best varieties, mixed.....	2.00
Cobæa Scandens, 3 in. pots.....	3.00
Centaurea Gymnocarpa, 2½ in. pots.....	2 50
Vinca Major Variegata, 2 in. pots, $20 a 1000.	2.50
Petunias, double fringed, mixed, 2½ in. pots...	3.00
Variegated Japanese Hop, 2½ in. pots....	2.50
Geraniums, best named varieties, 2½ in. pots..	2.50
" " 4 in. pots.....	6.00

List of varieties of above stock free on application.

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

ACALYPHA SANDERI

2½ inch, $8.00 per 100.

CRIMSON RAMBLER ROSES We will have a fine lot of field plants for winter forcing. Orders taken now.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Now is the time to plant them. We offer extra fine vigorous plants, from 2 and 2½ inch pots. Everybody likes them; they are so strong and healthy that they surprise all of our new customers; our old customers, of course, always know what to expect, but even they occasionally tell us that our stock is getting better all the time. Following is a partial list.

EARLY	100	MID-SEASON	100	LATE	100
Ivory	$3 00	Major Bonnaffon	$3 00	Mrs. J. Jones	$4 00
M. Henderson	3 00	Wm. Simpson	3 00	Liberty	4 00
Geo. S. Kalb	3 00	V. Morel	3 00	Merry Xmas	4 00
Merry Monarch	3 00	Autumn Glory	4 00	G. W. Childs	3 00
Willowbrook	4 00	H. W. Longfellow	3 00	E. Dailledouze	4 00
M. de Montmort	3 00	Mrs. Murdoch	3 00	Golden Wedding	4 00
Mrs J. Whilldin	3 00	Mrs. T. L. Park	6 00	Nagoya	6 00
John K. Shaw	5 00	Black Hawk	4 00	Xeno	6 00
Golden Trophy	3 00	Mrs. C. H. Pierce	3 00	Harry Balsley	3 00
Glory of the Pacific	3 00	Mrs. H. Robinson	3 00	Adula	3 00
		Niveus	3 00	Mrs. Baer	3 00

In addition to the above we have a large list of new and other standard sorts. Send for complete list.

H. WEBER & SONS, OAKLAND, MD.

Mention the Florists' Exchange when writing.

Denver.

The Market.

With Decoration Day and school commencements trade has been good the past two weeks. Roses and carnations were very much in demand, most of the stores having to shut down on sales; plenty of outdoor stock was to be had but it did not go. Beauty was the favorite flower for the commencements; a great many were sold but they had to be ordered ahead, and on Thursday and Friday, the two big days, a Beauty rose could not be obtained at any price. Bridesmaid were next in favor.

At the ball of the University Club some fine decorations were called for.

A New Florists' Club.

On Friday, June 8, a few of the craft met at one of the trade stores and organized a florists' club—name to be given later. The chief object of the club is to hold a flower show in the Fall. Mr. Graham, superintendent of parks, has been promised by the Park Commissioners the use of the conservatories for the showing of plants, and a large tent, to be erected near by, for the flowers, the city also to donate the music. Mr. Graham was elected president and John Berry, secretary, so that with two such earnest workers at the head success is assured. A committee was appointed to confer with the Mayor and Park Commissioners. Another meeting will be held Friday evening, June 15, when we expect to get everything in shape and start out for a good show. DENVER.

Toronto.

The Market.

Business during the past three weeks has been very good, both in plants and cut flowers. The call for carnations, up to last week, was satisfactory, but there has been a great supply lately, and though they are still in demand prices have diminished. There has been a large number of weddings this month so far, and considerable bloom has been used up. Roses have been plentiful, and poor stock very cheap, but fairly good. Choice blooms have kept up in price, the supply being short. Sweet peas are good and plentiful. Pæonies are coming in now, and will soon be in abundance. Gaillardias, gladiolus and pyrethrums are also arriving, and sell fairly well.

The sale of bedding plants has been very good this year, with prices generally better than those of the last few years. Geraniums have sold very well, General Grant being the favorite in this market. There has also been a great demand for cannas, the favorites here being Alphonse Bouvier, Mme. Crozy and Florence Vaughan. These varieties are much used in our parks, and so are well known to our people. Coleus has not sold so well as in former years, excepting in the varieties Golden Bedder and Verschaffeltii; good plants in these two kinds are about sold out.

The beds around the Parliament Buildings this year will, I think, look very well, as there are some good plants in them. We have been very short of rain here this Spring—all through last month we hardly had a shower, but we had two good ones during the last two weeks, and everything is growing finely now.

Horticultural Society Meeting.

The June meeting of the Horticultural Society last week was devoted to a pansy show, but there was not a good exhibition, the boys being too busy to give attention to the matter. A few pansies were on the tables, some of them large blooms, but they were generally of the commercial type and of poor substance. Had the show been held earlier in the season much better flowers would no doubt have been exhibited.

Mr. Ross read an interesting paper on pansies, and the society discussed the advisability of holding a show of plants and cut flowers in August. The latter matter was left in the hands of the directors, to present a full report at the next meeting. T. M.

COLEUS 10 choice variety, 2½ in. pots, $2 50 per 100; Verbenas in bud and bloom, 2½ in. pots, $2.50 per 100; Geraniums, 10 fine variety, strong, 3½ in. pots, $6.00 per 100; Dwarf Marigolds, 10 bud, 2½ in. pots, $2.50 per 100; Tall Marigolds, from flats, $1.50 per 100; Single Petunias, Thorburn's Superb strain, stocky plants in bloom, $3.00 per 100; Nasturtium, dwarf fine stocky plants, 2½ in. pots, $2.50 per 100; Fuchsias, in bud and bloom, 4 in. pots, $8 00 per 100; Lobelia, compacta and trailing, in bud and bloom, $2.00 per 100.

LOUIS C. PILAT, - Sing Sing, N. Y.

Mention the Florists' Exchange when writing.

Boston.

Trade is Quiet.

Business is now very quiet, June weddings and commencement exercises contributing to what little there is; but the demand for flowers is entirely inadequate to clear out the receipts. The supply of roses, already heavy, is now augmented by some of the outdoor flowers. American Beauty continues of good quality, as do Kaiserin and Carnot, and the best sell fairly well. Beauty making $1.50 to $2 per dozen for highest grade, while Kaiserin and Carnot fetch $2 to $6, extras bringing $8 per 100. Bride and Bridesmaid are falling off in quality, and move more slowly, at prices which are difficult to quote, so uneven are they.

The supply of carnations continues greatly in excess of the demand, and prices in consequence rule low, 25c. to 50c. per 100 being the figure for much of the stock, while the finer grades make 75c. Extras go at $1 per 100; all kinds and colors are included.

Pæonies, red and pink, are very plentiful and sell slowly, being only found useful for decoration purposes. Rhododendrons, deutzia, iris and various other outdoor flowers add to an already heavily overstocked market, and for much of this class of stock there is no outlet. Sweet peas continue in popular demand, but they, too, are very plentiful. Cornflower, coreopsis, swainsona, etc., in small bunches, are in fair supply and sell pretty well. Valley is plentiful, and though there is a fair demand for it the daily receipts are seldom cleaned up.

News Notes.

The Twombly Co. have closed their store on Tremont street, and, it is said, have gone out of business entirely.

Rhododendron Show.

The postponement of the rhododendron show for one week was indeed very beneficial in its results, for the exhibition turned out to be one of the finest of its kind in years. The quality of everything shown was of very a high standard, and the displays quite numerous.

The exhibits of orchids were very fine. These were arranged very tastefully with cocos palms, ndiaatums and such choice things. Wm. Donald, gardeuer to Jason S. Bailey, Esq., was awarded first prize, and those sent by James E. Rothwell and Mrs. John L. Gardner, second and third respectively. Amoug other orchids staged was a very handsome and finely grown plant of Cattleya gigas var. Sanderiana, by James Brydou, gardener to Bayard Thayer, Esq. This plant had been grown by Mr. Brydon since 1897, and was a marvel of health and culture, bearing 35 fine flowers on five spikes, two with eight, two with six and one with seven blossoms. H. H. Hunnewell, Esq., showed a very pretty plant of Miltonia vexillaria var. H. H. Hunnewell, bearing five spikes of delicately tinted flowers. A silver medal was awarded for this variety, and a first-class certificate of merit for superior cultivatiou to Mr. Thayer's plant. Dr. C. G. Weld, Kenneth Finlayson, gardener, exhibited four nice cypripediums.

Two tables were entirely devoted to rhododendrons, and nearly one-half of another. Collections of these flowers in their numerous varieties were staged by Mrs. B. P. Cheney, Mr. H. H. Hunnewell, Mrs. J. L. Gardner, T. C. Thurlow and Dr. C. G. Weld. The prizes from the H. H. Hunnewell Fund were divided between Mrs. J. L. Gardner and Mrs. B. P. Cheney. Mrs. Gardner captured first for 12 distinct varieties of unquestioned hardiness, with Caractacus, purpureum elegans, Everestianum, purpureum grandiflorum, delicatissimum, James McIntosh, Alex. Dancer, roseum elegans and album elegans, H. W. Sargent, album grandiflorum and Mrs. Miller. Mrs. Cheney took first for six hardy varieties.

T. C. Thurlow made quite an extensive display of hardy azaleas, winning nearly all the prizes in this class.

The showing of oriental poppies was very gorgeous, and one of the largest ever seen here at this time; they were well displayed by W. J. Clemson, H. S. Rand and Dr. C. G. Weld.

Pæonia officinalis were also well in evidence as were the tree pæonies.

Good irises were shown by Mrs. J. L. Gardner and Mrs. Gill. Extensive displays of hardy pyrethums were made by H. S. Rand, Rea Bros., Dr. Weld and others. M. A. Patten had two vases of fine carnations, Mrs. E. M. Gill a vase of mixed flowers, and James Comley a very fragrant seedling magnolia.

In the upper hall two fine collections of show pelargoniums were displayed, one of ten plants by E. J. Mitton, and one of six by Dr. C. G. Weld. Wm. H. Spooner showed an interesting collection of roses, including Lord Penzance's hybrid Sweet Briars, Stanwell Perpetual Scotch roses and Carmine Pillar.

On Friday the Garden Committee made its first visit to estates entered in competition for the H. H. Hunnewell triennial premiums "for an estate of not less than three acres, which shall be laid out with the most taste, planted most judiciously and kept in the best order for three consecutive years." Friday's trip was made to C. H. Tenney's estate, at Methuen. It was the first time this place had been entered in this competition. There are about 80 acres, containing many of the best and most choice specimen trees and shrubs. Mr. and Mrs. Tenney entertained the party at dinner, and all left with pleasant recollections of their first visit to Graycourt, as Mr. Tenney calls his beautiful estate. F. J. N.

"The Land of Sunshine," for April last, a south California publication, contains interesting illustrated accounts of the work of Mrs. Theodosia B. Shepherd and Mrs. Thos. Gould, in their respective specialties.

IF YOU NEED ROSES
Send us your list for prices.
THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.

Fine Selected Clean Stock.

1000 BRIDESMAID .....4 inch pots
700 " .....3 " "
300 MME. CHATENAY .....3 " "
300 GOLDEN GATE .....4 " "
300 " " .....3 " "
Low Price on application.
J. R. FREEMAN, 612 13th St., N. W. Washington, D. C.
Mention the Florists' Exchange when writing.

BRIDES AND 'MAIDS
2½ inch, ready for a 3 inch shift.
$3.00 a 100; $25.00 a 1000.
CASH WITH ORDER.
J. B. HEISS, The Exotic Nurseries, Dayton, Ohio.
Mention the Florists' Exchange when writing.

GEO. A. RACKHAM,
Wholesale Grower of
Roses, Carnations, Small Ferns,
880 Van Dyke Ave., Detroit, Mich.

BRIDE AND BRIDESMAID ROSES
From 3½ Inch Pots at
$4.00 per 100.
JAMES E. BEACH,
2019 Park Ave., BRIDEPORT, CONN.
Mention the Florists' Exchange when writing.

ROSES FINE PLANTS, FROM 2½ INCH POTS, $2.50 per 100; $20.00 per 1000.
Golden Gate, La France, Bride, Muriel Graham, The Queen, Marie Lambert, Maman Cochet, Striped La France, Abel Chatenay, C. Soupert, Mosella, Marie van Houtte, Bridesmaid, Sylph, H. M. Stanley, Gen. Lee, Mrs. R. Garrett, A. S. Gray, Media, Mme. Berthol, Empress of China, Yellow Rambler, Mme. Elie Lambert.
GERANIUMS 25 varieties, double and single, our selection, $2.50 per 100; $20.00 per 1000. Ivy Geraniums, best double, $2.50 per 100.
CHRYSANTHEMUMS 2 inch, Fisher's Torch, Cullingfordi, J. C. Vaughan, Major Bonnaffon, Mrs. Perin, Glory of Pacific, Mrs. Whildin, $2.00 per 100; $15.00 per 1000.
SWORD FERN, Cordata Compacta, 2½ inch, $4.00 per 100.
BABY PRIMROSE, 2½ inch, in bloom, $2.50 per 100.
ASPARAGUS SPRENGERI, 2½ in., $3.50 per 100; $30.00 per 1000.
JOHN A. DOYLE CO., Springfield, Ohio.
Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS...
and Novelties in Decorative Plants.
Market and 49th Sts., PHILADELPHIA, PA.
Mention the Florists' Exchange when writing.

ROSE PLANTS
In 3 inch pots, nice and strong.
BRIDESMAID, BRIDE and KAISERIN
$4.00 per 100; $35.00 per 1000.
MERCER FLORAL CO., Trenton, N. J.
CARL E. TAUBE, Proprietor.
Mention the Florists' Exchange when writing.

Strong Plants.
BRIDES and BRIDESMAIDS
2½ in. pots, $3.00 per 100; $30.00 per 1000.
3 in. pots, $6.00 per 100; $50.00 per 1000.
3½ and 4 in. pots, $7.00 per 100; $60.00 per 1000.
EDW. J. TAYLOR, Southport, Conn.
Mention the Florists' Exchange when writing.

ROSE PLANTS

	Per 100	Per 1000
Am. Beauty, 3 in. pots	$7.00	
" " 2½ in. pots	5.00	
Bridesmaid, 3 in. pots	4.00	$35.00
" 2½ in. pots	3.00	25.00
Bride, 3 in. pots	4.00	35.00
" 2½ in. pots	3.00	25.00
Perle, 3 in. pots	4.00	35.00
" 2½ in. pots	3.00	25.00
Meteor, 3 in. pots	4.00	35.00
" 2½ pots	3.00	25.00
Golden Gate, 3 in. pots	4.00	35.00
" " 2½ in. pots	3.00	25.00

CARNATIONS Rooted Cuttings

	Per 100	Per 1000
America	$2.00	$15.00
Gov. Griggs	2.00	15.00
Leslie Paul	2.00	15 00
Gold Nugget	1.00	7.50
McGowan	.75	5.00
Nivea	.75	5.00

PETER REINBERG, Chicago, Ill.
51 Wabash Ave.
Mention the Florists' Exchange when writing.

SURPLUS STOCK.
I have 500 BRIDES, rooted cuttings, now in 3½ in. pots, in prime condition for setting out in benches; pots full of roots; $6.00 per 100, or the lot for $25.00. Speak quick. Cash with Order.
E. WALLER, Morristown, N. J.
Tonicup Greenhouses.
Mention the Florists' Exchange when writing.

ROSE PLANTS

	Per 100	Per 1000
Meteor, Bridesmaid, Bride, La France — 2½ in. pots, $3.00		$25.00
Meteor, Bridesmaid, Bride, La France — 3 in. pots, 4.00		35.00

American Beauties Lifted from benches,
Per 100, $2.50; per 1000, $20.00.
The above is all clean, strong stock ready for planting, no better to be had.
GEORGE REINBERG,
51 Wabash Ave., CHICAGO, ILL.
Mention the Florists' Exchange when writing.

FORCING ROSES

	Per 100	Per 100
Bridrs	2½ in. $2.75;	3½ in., $4.00
Bridesmaids	" 2.75;	" 4.00
Perles	" 3.00;	" 4.50
Sunsets	" 3.00;	" 4.50

Following 2½ Inch Pot Stock:
Prices per 100.
Marie Van Houtte, $2.25
Duchess Brabant, $2.25
Purple Chins, $2.25
Clothilde Soupert, $2.25
Mamsn Cochet, $2 25
Mme. F. Kruger, $2.75
Meteor, $2.75
La France, $3.00
Christioe de None, $2.25
Marie Guillot, $2.25
Mrs. DeGraw, $2 25
Yellow Soupert, $2 25
White Mamsn Cochet, $2.25
Crimson Rambler, $2.75
Golden Gate, $3.00
Kaiserin, $3.00
Gruss an Teplitz, $5.00
Also 30 other varieties and Miscellaneous stock. Send for list.
2-year old Crimson Ramblers from 4 inch pots, $8.00 per 100. Per doz.
Large Compacta Ferns, from 8 inch pans..$6 00
Large Boston Ferns, from 10 inch pans.....10.00
NATIONAL PLANT CO., Dayton, Ohio.
Mention the Florists' Exchange when writing.

BRIDESMAID ROSE PLANTS! I have still left a few thousand in 2 inch pots, in splendid condition.
STEPHEN MORTENSEN, (Near Phila.) Southampton, Penna.
Mention the Florists' Exchange when writing.

PHILADELPHIA ROSES KAISERIN Strictly first-class stock out of 2½ inch pots.
BRIDES and MAIDS 3 inch.
Also extra strong plants of AMERICAN BEAUTY, 3 and 4 inch pots.
MYERS & SAMTMAN, Chestnut Hill, PHILA.
Mention the Florists' Exchange when writing.

40,000 FIRST QUALITY FORCING ROSES!
READY FOR IMMEDIATE PLANTING.
Fully equal to those sent out the last eight years, first-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.
WOOTTON, LA FRANCE, AMERICAN BEAUTY, PRESIDENT CARNOT, 3 inch pots, $3.00 per 100. 4 inch pots, $12.00 per 100.
METEOR, KAISERIN, SUNSET, BON SILENE, MERMET, PERLE, GONTIER, MME. HOSTE, NIPHETOS, BRIDE, BRIDESMAID, BELLE SIEBRECHT, 3 inch pots, $7.00 per 100. 4 inch pots, $10 00 per 100.
Mention this paper. J. L. DILLON, Bloomsburg, Pa.

PERLE ROSES
2½ inch stock, $3.50 per 100; $30.00 per 1000.
A1 STOCK. BEST IN MARKET.
WIETOR BROS., 51 WABASH AVENUE, CHICAGO.
Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO., LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico. To foreign countries in postal union $2.00. Payable in advance. The date on the address label indicates when subscription expires.

CHANGES OF ADDRESS.

When notifying the publishers to send the paper to a new address, give both old and new addresses.

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Copy must reach this office not later than Thursday in order to secure insertion in issue of the following Saturday.

Orders from unknown parties must be accompanied by cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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Our Prize Competitions.

The Photographic Contest.—Competitors can send in as many subjects for each month as they prefer. There is no limit.

Home Grounds Competition.—The sectional drawing paper is 12x18 inches, ruled into squares of one-eighth inch, each square representing one foot. When the area to be covered by the plan exceeds 72x144 feet, it will be best, ordinarily, to reduce the scale rather than to attempt to provide for the whole place on two or three sheets. This is a matter, however, that each contestant must determine for himself, bearing in mind always that a plan on a large scale can be drawn to show much more detail than a plan on a smaller scale.

GOOD HOUSEKEEPING for June is, as usual, replete with information of great value to every home owner. The magazine is published by George D. Chamberlain, Springfield, Mass. Price $1 per year.

The American Carnation Society.

CARNATIONS REGISTERED.

BRANDYWINE, color pure white, with good size, long, stiff stem and a calyx that does not burst. Habit of plant exceedingly good, free from diseases and a profuse and continuous bloomer. Registered by Geo. W. Love, Unionville, Pa.

ALBERT M. HERR, Secretary.
Lancaster, Pa.

Invitation to S. A. F. Delegates.

At the last regular meeting of the Florist's Club of Philadelphia it was moved by John Westcott, seconded by Geo. C. Watson, and carried with a heartfelt unanimity not soon to be forgotten, that a cordial invitation be extended to everybody intending to attend the next Convention of the S. A. F., which is to be held in Greater New York in August, and on their way thereto to stop off at Philadelphia and renew old acquaintances possibly, and probably make some new ones, as the Club Room Committee will hold open house during the Monday immediately preceding the opening of the Convention on Tuesday. Everybody welcome. Don't fail to give us a call.

EDWIN LONSDALE, Secretary F. C. P.

Express Rates.

As there have been some recent changes in the classification of the express companies affecting trade merchandise, we subjoin a copy of the revised classification now in force among the principal companies. It will be seen that plants completely crated are put on the same footing as those completely boxed.

*Plants—Completely boxed or crated—general special rate.

Between points where no general special is in force, plants packed as above may be taken at 20 per cent. less than merchandise rates, pound rates, minimum charge 35 cents for each company carrying, prepaid or guaranteed.

*Completely inclosed in baskets, and so packed that they may be stowed with other freight without injury to the plants, pound rates, minimum 35 cents—merchandise rate.

Plants not packed as above, double merchandise rate.

*Roots—For planting, completely boxed and packed so that they may be handled without extra care—general special rate.

Between points where no general special is in force, roots packed as above may be taken at 20 per cent. less than merchandise rates, pound rates, minimum charge 35 cents for each company carrying, prepaid or guaranteed.

*Completely inclosed in baskets, and so packed that they may be stowed with other freight without injury to the roots, pound rates, minimum 35 cents—merchandise rate.

*Clons—Completely boxed and packed so that they may be handled without extra care—general special rate.

Between points where no general special is in force, clons packed as above may be taken at 20 per cent. less than merchandise rates, pound rates, minimum charge 35 cents for each company carrying, prepaid or guaranteed.

*Completely inclosed in baskets, and so packed that they may be stowed with other freight without injury to the clons, pound rates, minimum charge 35 cents—merchandise rate.

*Cuttings—Completely boxed and packed so that they may be handled without extra care—general special rate.

Between points where no general special is in force cuttings packed as above may be taken at 20 per cent. less than merchandise rate, pound rates, minimum charge 35 cents for each company carrying, prepaid or guaranteed.

*Completely inclosed in baskets, and so packed that they may be stowed with other freight without injury to the cuttings, pound rates, minimum charge 35 cents—merchandise rate.

Tubers—Completely boxed and packed so that they may be handled without extra care—general special rate.

Between points where no general special is in force, tubers packed as above may be taken at 20 per cent. less than merchandise rates, pound rates, minimum charge 35 cents for each company carrying prepaid or guaranteed.

*Bulbs—Completely boxed and packed so that they may be handled without extra care—general special rate.

Between points where no general special is in force, bulbs packed as above may be taken at 20 per cent. less than merchandise rate, pound rates, minimum charge 35 cents for each company carrying, prepaid or guaranteed.

*Completely inclosed in baskets, and so packed that they may be stowed with other freight without injury to the bulbs, pound rates, minimum charge 35 cents—merchandise rate.

Seeds—In boxes or cloth bags, or otherwise securely packed for transportation—general special rate.

Between points where no general special is in force, seeds packed as above may be taken at 20 per cent. less than merchandise rates, pound rates, minimum charge 35 cents for each company carrying, prepaid or guaranteed.

Flowers at Funerals a Necessity.

A judge of the Rhode Island Supreme Court has ruled that flowers at a funeral are a necessity. The decision was made in an appealed case where it was argued that the flowers for a citizen's funeral ought not to be paid for as they were not essential, this argument having been put forth on behalf of the estate of the deceased. In his opinion the judge remarked that "flowers are appropriate expressions of feelings of love and respect for the departed and should be held to be a necessity."

It is perhaps fortunate that this ruling has been obtained; but apart from the sentimental side of the matter, which seems to have actuated the judge in making his decision, flowers are also articles of commerce; and as such should be dealt with, as far as payment for value received is concerned, in the same way as any other commodity. The after statement that the flowers at the funeral in question were not an essential was a poor excuse for non-payment of the florist's bill; this opinion should have been formed prior to the order for the flowers having been given.

It is alas, for the florist, too common an element in the conduct of his business to have trouble in collecting his accounts for flowers used on occasions where momentary sentimentality or superficial grief for a departed friend or relative has overturned one's judgment in connection with the expenditure then made, which in the light of assuaged sorrow or other relief from the feelings prevailing at the time the orders were given, seems exaggerated or too costly. This sordidness seems but ill-fitted to such occasions, and it will afford some satisfaction to the trade to learn that those inclined to haggle over an honest debt must "count the cost" before ordering, just as in the other every day transactions of life.

On the other hand the practice is not uncommon for those supplying flowers for funerals to take advantage of the then natural mental condition of friends or relations and charge exorbitant and outlandish prices for the goods furnished. We sympathize entirely with those who seek to be relieved from this form of oppression, which, more than any other, is responsible for the "omit flowers" notices that are becoming more and more numerous in mortuary announcements. That florist is no friend to his business who for usury would seek to restrict the expansion of one of the most beautiful traits in man's nature—deference and respect for the dead, as exemplified in the use of flowers at funerals, our loving tribute to the memory of dear ones gone before.

OBITUARY.

Daniel S. Chase.

Daniel S. Chase died on Thursday, June 7, at the age of 86. In 1861 he bought a farm in Dighton, and for the past 15 years had carried on the plant and cut flower business with his son, C. S. Chase. Mr. Chase was a very much esteemed citizen.

F. J. Hauser.

Francis J. Hauser, a florist of Reading, Pa., died June 8, of Bright's disease. He was 60 years of age, and served in the Civil War as sergeant of Company K, U. S. Cavalry.

Firms Who Are Building.

FAIRHAVEN, MASS.—Walter P. Winsor is building additions to his greenhouse establishment.

SOUTHBORO, MASS.—J. M. Sears is having his greenhouses torn down, and will erect new ones.

CENTRALIA, WASH.—J. H. Harrell will build an additional greenhouse, 100x20 feet, for vegetable culture.

CHAMBERSBURG, PA.—Byer Bros. have built two houses, 25x100 feet and 10x50 feet, and made a small addition to their violet house. The above will be heated by hot water under pressure. With this addition the firm will have about 14,000 feet of glass.

BOOKS RECEIVED.

YEAR BOOK OF THE DEPARTMENT OF AGRICULTURE, 1899.—We acknowledge the receipt of a copy of this interesting volume, an outline of the contents of which was presented in our issue of May 19 last, page 522.

American Seed Trade Association.

The meeting, at Chicago, June 12-14, of this association, was one of the most useful ever held in the society's career, and nothing but the best feeling was manifested. The attendance was larger than ever before known, with an addition to the membership list of about 25, all of the new members being present.

The following officers were elected: President, Albert McCullough, Cincinnati; first vice-president, F. W. Bolgiano, Washington; second vice-president, S. G. Courteen, Milwaukee; secretary and treasurer, S. F. Willard, Wethersfield, Conn.

Among those in attendance were: T. Lee Adams, Kansas City, Mo.; C. L. Allen, Floral Park, N. J.; J. B. Baker, of Baker Bros., Fort Worth, Texas; W. W. Barnard, of W. W. Barnard & Co., Chicago, Ill.; F. W. Bartheldes, of F. Bartheldes & Co., Lawrence, Kansas; F. W. Bolgiano, Washington, D. C.; Chas. H. Breck, of Jos. Breck & Sons, Boston, Mass.; S. E. Briggs, of The Steele Briggs Seed Co., Toronto, Canada; Chas. Burge, of S. W. Flower & Co., Toledo, O.; R. L. Burge, of Churchill & Co., Toledo, Buffalo and Chicago, Ill.; Geo. B. Burroughs, of Jerome B. Rice, Cambridge, N. Y.; C. S. Clark, Wakeman, O.; Everett B. Clark, of The Everett B. Clark Co., Milford, Conn.; John M. Clark, of S. F. Leonard, Chicago, Ill.; John J. Cleary, of Hoermann & Cleary, Terre Haute, Ind.; A. Currie, of Currie Bros., Milwaukee, Wis.; F. H. Ebeling, Syracuse, N. Y.; W. S. Gilbreath, of The Illinois Seed Co., Chicago, Ill.; W. H. Grenell, Saginaw, W. S., Mich.; Jacob S. Handte, of L. Templin & Sons, Calla, O.; Arthur D. Heffron, of Albert Dickinson Co., Chicago, Ill.; Frank Hoermann, of Hoermann & Cleary, Terre Haute, Ind.; Peter Hollenbach, Chicago, Ill.; Fred. W. Jaeger, of J. F. Zahm & Co., Toledo, O.; C. Edward Kendel, of A. C. Kendel, Cleveland, O.; Jas. Landreth, of Jas. B. Rice & Co., Chicago, Ill.; Thomas M. Landrum, of C. C. Morse & Co., Santa Clara, Cal.; J. Chas. McCullough, Cincinnati, O.; W. J. Mandeville, of Mandeville & King, Rochester, N. Y.; J. S. Michael, Sioux City, Iowa; John Michie, of S. F. Leonard, Chicago, Ill.; Henry H. Morgan, of Frank B. White Company, Chicago, Ill.; L. L. Olds, Clinton, Wis.; Chas. N. Page, of Iowa Seed Company, Des Moines, Iowa; E. M. Parmelee, of The John H. Allan Seed Co., Picton, Ont.; S. M. Pense, of The Cleveland Seed Co., Cape Vincent, N. Y.; J. G. Peppard, Kansas City, Mo.; Chas. E. Prunty, St. Louis, Mo.; A. E. Reynolds, of Crabbs & Reynolds, Crawfordsville, Ind.; Jerome B. Rice and W. R. Roach, of Jerome B. Rice & Co., Cambridge, N. Y.; J. C. Robinson, Waterloo, Neb.; E. J. Sheap, of S. M. Ibell & Co. Jackson, Mich.; Roland H. Shumway, Jr., and R. H. Shumway, Rockford, Ill.; R. L. Templin, of L. Templin & Sons, Calla, O.; A. G. Trumbull, of Trumbull & Co., Kansas City, Mo.; J. C. Vaughan, Chicago, Ill.; C. H. Vick, of James Vick Sons' Co., Rochester, N. Y.; Mel. L. Webster, Independence, Iowa; Max Wilhelmi, of F. Bartheldes, & Co., Lawrence, Kansas; H. M. Schisler, Ben. P. Corneli and Adolph Corneli, of Schisler-Corneli Seed Co., St. Louis, Mo.; H. W. Wood, of T. W. Wood & Sons, Richmond, Va.; W. C. Langbridge, Cambridge, N. Y.; A. F. Ferrell, Saginaw, Mich.; Thos. H. Willard, Wethersfield, Conn.; Herbert W. Johnson, of Johnson & Stokes, Philadelphia, Pa.; F. G. Johnson, Livingston Seed Co., Columbus, O.; T. C. Crabbs, of Crabbs & Reynolds, Crawfordsville, Ind.; W. T. Phillips, of Henry Phillips Seed Co., Toledo, O.; Frank Seberger, Crown Point, Ind.; Alexander Rodgers, Chicago, Ill.; Chas. H. Park, Salem, Oregon; Jesse E. Northrup, of Northrup, King & Co., Minneapolis, Miss.; J. Stechler, of J. Stechler Seed Co., New Orleans, La.; O. H. Dickinson, of B. L. Bragg Co., Springfield, Mass.; S. F. Willard, of Comstock Ferre & Co., Wethersfield, Conn.; Albert Dickinson and C. C. Boyles, of Albert Dickinson & Co., Chicago, Ill.; Mr. Manley, of Harvey Seed Co., Buffalo, N. Y.; S. F. Leonard, Chicago, Ill.; Albert McCullough, of J. M. McCullough's Sons, Cincinnati, O.; J. J. Harrison, of Storrs & Harrison Co., Painesville, O.; Carl Cropp, of J. C. Vaughan, Chicago, Ill.; H. A. Johns, of Sioux City Seed and Nursery Co., Sioux City, Ia.; J. H. Beagley, Sibley, Ill.

Among the ladies in attendance were: Mrs. J. B. Rice and Mrs. Fleming, Cambridge, N. Y.; Mrs. J. G. Peppard and Master Sist. Peppard, Kansas City, Mo.; Mrs. R. L. Templin, Calla, O.; Mrs. C. S. Clark, Wakeman, O.; Mrs. C. S. Burge, Toledo, O.; Mrs. R. L. Burge, Toledo,

O.; Mrs. Herbert W. Johnson, Philadelphia, Pa.; Mrs. W. T. Phillips, Toledo, O.; Mrs. A. E. Reynolds and Mrs. F. W. Jaeger.

Other than seedmen present were: Henry H. Morgan, of Frank B. White Co., Chicago, Ill. (Special Agricultural Advertising); George B. Briggs, Western manager The Farmer, Chicago; The American Agriculturist, N. Y., and The New England Homestead, Springfield, Mass.; R. R. Rossing, Grain Dealers' Journal, Chicago, Ill.; Michael Barker, The American Florist, Chicago, Ill., and Edgar Sanders, The FLORISTS' EXCHANGE, New York, Chicago.

New members elected were: Northrup, King & Co., Minneapolis, Minn.; H. T. Harmon & Co., Portland, Me.; Mel. L. Webster, Independence, Iowa.; Henry F. Michell, Philadelphia, Pa.; Brown & Canfield, Springfield, Ill.; Amzi Godden Company, Birmingham, Ala.; Nebraska Seed Co., Omaha, Neb.; J. Steckler Seed Co., New Orleans, La.; Springfield Seed Co., Springfield, Mo.; S. M. Isbell & Co., Jackson, Mich.; L. Templin & Sons, Calla, O.; Whitney, Eckstein Seed Co., Buffalo, N. Y.; T. Lee Adams, Kansas City, Mo.; J. S. Michael, Sioux City, Iowa; V. Schrage, Cincinnati, O.; Peter Hollenback, Chicago, Ill., and L. L. Olds, Clinton, Wis.

Courtesies tendered by the local seedsmen of Chicago consisted of a tally-ho ride for the ladies and such of the gentlemen as wished to accompany them; a boat ride and excursion on the Hiadu, the yacht that carried Admiral Dewey on his recent visit to Chicago through the recently completed great drainage canal. The tally-ho ride and boat ride were both served with the usual trimmings of appetizing lunch, etc. The piece de resistance, however, was the grand banquet Wednesday night, given at the Athletic Club of Chicago, to which all members in attendance and their ladies were invited. The occasion was enlivened by impromptu responses to toasts, J. C. Vaughan, Chicago, acting as toast master and general master of ceremonies.

New York.

The Market.

Something seems to have struck the business this week, and struck it very hard.

Wholesalers are all of one opinion, and declare that of all dull periods the present week has been the slowest on record for this time of year. Flowers of all descriptions are plentiful, and top grade American Beauty are the only stock that maintain their price; this is mainly owing to the fact that they are almost the only flowers used for steamer trade.

Bride and Bridesmaid are plentiful, but the quality is away off, and to clear them out is utterly impossible, except by way of the garbage barrel or at prices that would not pay the expressage from the grower to the city. There are also many hybrid roses coming in. A bunch of Margaret Dickson, seen in the store of Thos. Young, Jr., were about the most handsome flowers brought in. Sweet peas are of excellent quality, and are received by the thousands. There is but a small demand for them as compared with the supply, and when offered at $1 per 100 bunches clearances could not be accomplished.

Iris, pæonies, pyrethrums, lilies, valley, gladiolus, carnations, yes, and cattleyas even, may be all mentioned together as being too plentiful for the demand and that no fixed prices obtain. They fetch just as little as the conscience of the buyer will allow him to offer, and those that don't know him have no idea how little he can offer sometimes.

Among the retailers there is but little doing, except in the way of steamer trade. This branch of the business has been very good during the last week. The numerous varieties of flowers in the market just now give the retailers plenty of choice material for window displays, and they do not fail to take advantage of it. A tour among them is equal to visiting a June flower show in this city.

Auction Sales.

On Friday, the 8th inst., the annual sale of cacti and other curious plants from L. Menand was held in Cleary & Co.'s salesrooms. Mr. Cleary has also been conducting a sale of Japanese plants in the Victoria Hotel, 27th street and Fifth avenue.

On Tuesday, June 26, Wm. Elliott & Sons will hold a special trade auction sale of decorative plants, carnations, primulas and other commercial stock suitable for Fall trade.

Jottings.

F. L. Atkins sailed for Europe on Saturday, the 9th inst., to inspect nursery stock.

W. J. Elliott, secretary of the shooting section of the committee on sports, has secured a range on the McKnight property, Jersey Meadows.

Samuel Heashaw has recovered from the injuries he received in the runaway accident recently, and was a visitor at the rose show this week.

Visitors: W. R. Smith, Washington, D. C.; Robert Craig and Robert Kift, Philadelphia; Theo. Eckhardt, Hamburg, Germany; Benjamin Dorrance, Dorranceton, Pa., and E. Wallace, Hartford, Conn.

A. L. Miller, of Jamaica avenue, Brooklyn, showed a bloom of the new canna, Kate Gray, at the Florists' Club meeting on Monday night. The flower was admired by all who were present, but as the variety is already in commerce the award committee could not pass upon it.

While attending the rose show here this week, Benjamin Dorrance, president of the society, made a flying trip to Poughkeepsie, to be present at the graduation of one of his daughters at Vassar College. This is the second of Mr. Dorrance's daughters to graduate with high honors at Vassar.

A meeting of the New York Market Florists' Association will be held in the Clinton Market, corner of Canal and West streets, on Tuesday evening, June 19. A good attendance of the members is expected. On Friday, the 8th inst., a portion of the roof of the market fell down and the general condition of the building becomes worse and worse. Some steps should be taken toward placing the question of a plant market before the proper authorities, and it should be done as early as possible. All who are interested should not fail to attend the meeting on Tuesday night.

Club Notes.

Notwithstanding the excessively warm weather prevailing a large attendance was present at the club meeting Monday evening last, President O'Mara in the chair. S. A. F. matters again engaged the attention of the members, the various committees all reporting progress. It was decided that free admission be given the public to the horticultural exhibition in connection with the S. A. F. meeting.

Alex. J. Guttman was elected a member and several candidates were proposed.

A. L. Miller, of Brooklyn, exhibited a spike of canna, Mrs. Kate Gray, one of the Italian type (see page 384, present volume FLORISTS' EXCHANGE, for full description).

The Lord & Burnham bowling trophy was on exhibition, and was an object of great admiration, especially by the sporting element. The shooting grounds and bowling alleys have both been selected, each being favorably spoken of.

There is yet time to insert an advertisement in the club's Souvenir Book, the matter prepared for which will shortly be in the printer's hands. A "dummy" of the book was on exhibition at the meeting, and received many compliments. Treasurer Weathered will furnish any needed information regarding rates, etc., in the Souvenir.

The Horticultural Society of New York held a thinly attended meeting at the Berkeley Lyceum, Wednesday last, Dr. Hexamer presiding. Election of officers was deferred. G. T. Powell was added to the committee on nominations, which was also constituted a committee of membership. It was suggested to hold a chrysanthemum show in conjunction with the American Institute, at which the new society will also offer awards, the date of the exhibition to be about November 14 next. This matter was left in a committee's hands for consideration.

A protracted session of the New York Gardeners' Society took place Wednesday evening, at Broadway and 24th street, Wm. Bartholomæ presiding. A lengthy discussion on gardeners' wages occurred, arising out of the recent action of the Catalpa Club, an association composed of the park gardeners of the city. This club is a sub-division of the Knights of Labor, and through the efforts of its members the rate of wages for gardeners was fixed by the Park Department at $75 per month "without privileges." The club desired the opinion of the Gardeners' Society as to the wage standard in general. After full deliberation the conclusion arrived at was that the sum mentioned was equivalent to the prevailing wages of fairly good gardeners who enjoy the usual perquisites accompanying their situations.

A committee was appointed to wait on the managers of the Eden Musée looking to the holding of a Fall show there. Votes of thanks were passed to the various exhibitors who had this week assisted in the exhibition of the American Rose Society.

Over 1,700 trees have been planted in the city during the past year by the New York Tree Planting Association.

The third annual convention of the Canadian Horticultural Society will be held in Montreal August 16 and 17.

WINDSOR LOCKS, MASS.—Howard J. Pinney has filed a voluntary petition in bankruptcy, with liabilities of about $1200 and assets about $250.

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The Grand Central Palace.

MEETING PLACE OF S. A. F. O. H. 1900.

Our illustration shows the building in which the S. A. F. O. H. will hold its annual meeting and trade exhibit in August next, in New York City, also where the horticultural exhibition will take place. The building itself covers an area of 200x275 feet, and contains 400,000 square feet, equal to over nine acres of floor space. The natural light of day penetrates every foot of the floor space of the entire building. The floor space adjoining the Auditorium, to be devoted to the trade exhibit, and that of the Auditorium itself for the horticultural exhibition, embraces some 40,000 square feet, 30,000 for the purposes of the former and 10,000 for the latter. In addition to that there is ample accommodation on the same floor in which to hold the convention meetings, a space of 200 x56 feet having been set apart on the Lexington avenue front for that purpose.

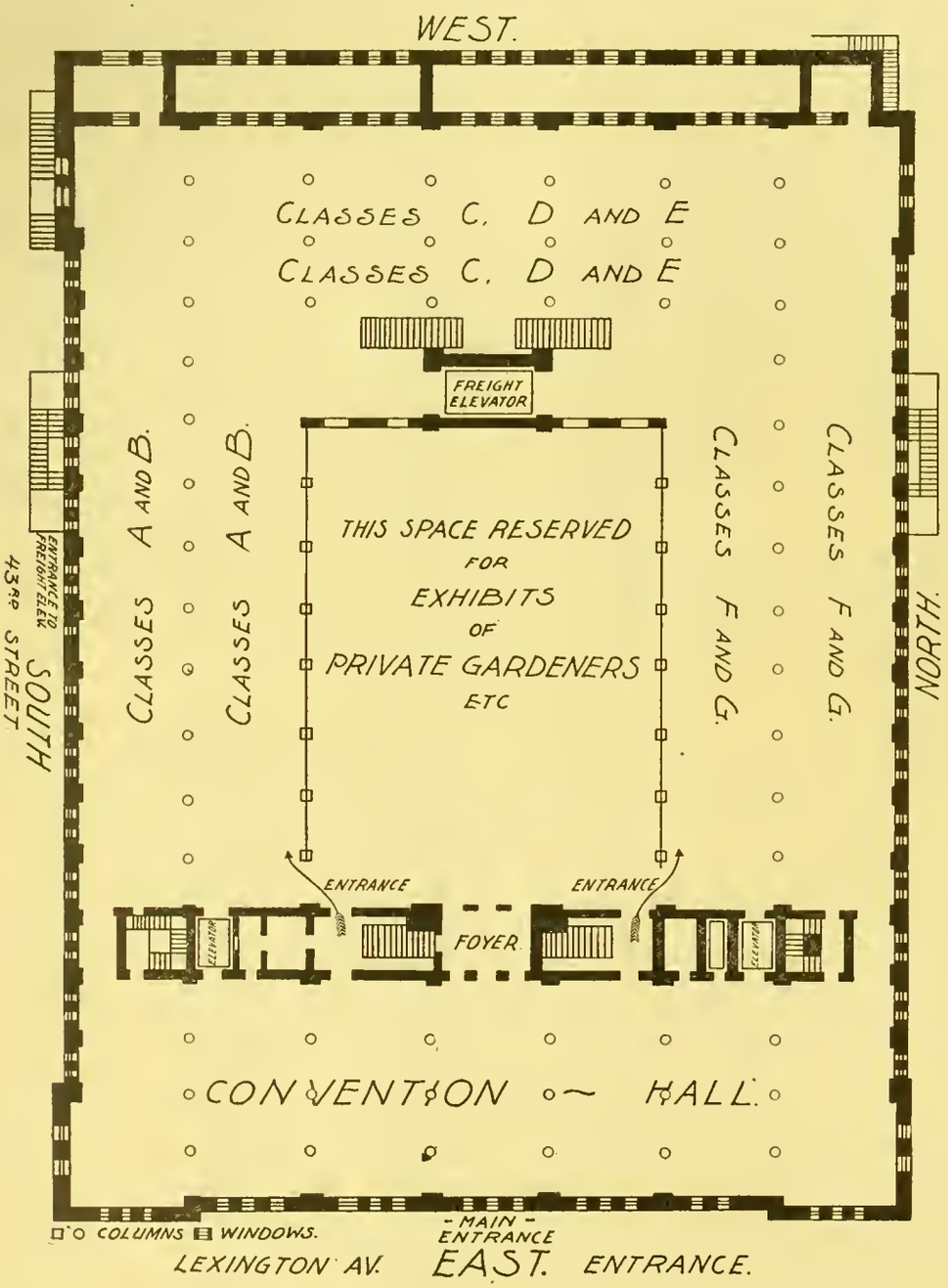
Entrance is gained through the arched corridor fronting on Lexington avenue, thence past inclosed box offices to broad marble stairways leading directly to the Auditorium, etc.

The Auditorium is surmounted by a glass dome 65 feet high, containing 12,000 square feet of glass, superbly lighted by electricity at night. Small rooms off the main hall are admirably adapted for the use of committees. The balconies are capable of seating over 2,500 people. The building is fire-proof and fitted with electric lights throughout. It is located on Lexington avenue, in close proximity to the Grand Central Depot. The Broadway and Lexington avenue street cars pass the door.

The diagram herewith shows the plan of the floor of the Grand Central Palace, as arranged for the trade exhibit, the horticultural exhibition and the convention hall. The following are the articles included in the respective classes: Class A, plants; B, cut blooms; C, boilers and heating apparatus; D, greenhouse appliances, including flower pots; E, florists' supplies, including fancy earthenware; F, bulbs and seeds; G, miscellaneous.

As shown in the illustration, there is ample freight elevator accommodation, it being possible to drive up, on the south side, within the building right to the elevator door.

John P. Cleary, 60 Vesey street, New York, is manager of the Trade Exhibit, from whom full information as to space, rates, etc., can be obtained.



Plan of Floor Space of Grand Central Palace for S. A. F. O. H. Trade Exhibit, Horticultural Exhibition and Meeting.

Commercial Violet Culture

Price, $1.50 Per Copy.

Pan-American News.

Although the absence of rain has been most unfavorable for the thousands of trees and shrubs planted this Spring, many of them late, there are very few failures, and the appearance of the plantations is most flourishing. Many more exhibits were sent in than were expected this Spring, but in the case of hardy roses it was either plant them now or not at all.

The Music Garden is in the center of a broad elevation, and scattered over this area are many large beds of hybrid perpetual, rugosa, Wichuraiana and Crimson Rambler roses. One large bed is filled with standard and dwarf Hydrangea paniculata grandiflora. All of these exhibits were sent in several weeks later than the proper time to transplant, but with careful planting and hard pruning they are making fine growth. Upward of 6,000 roses are among the exhibits. The principal contributors are Ellwanger & Barry, of Rochester; F. R. Pierson Co., Tarrytown, N. Y.; Nelson Bogue, Batavia, N. Y.; J. C. Vaughan, Chicago, and Jackson & Perkins, Newark, N. Y.

The excavation of the lakes is complete and grading is now the chief work on the grounds. The sloping banks of the canals are finely graded and seeding is being done. With access to the hose in every part of the grounds these banks will soon have a most refreshing appearance.

Mr. Ulrich has obtained several hundred fine red cedars, 20 to 25 feet high, and of most symmetrical shape. They are boxed and shaded from the sun, and if successfully carried through the Summer will have a delightful appearance when located in that part of the grounds known as the "Court of Cypresses," which is two basins, each 200 feet in diameter, and will be filled with aquatics. One of these basins will be heated to facilitate the growth of the Victoria regia.

The grounds around the Service Building have a finished appearance. Large flower beds are blooming, and the thousands of visitors who already view the grounds seem surprised at the progress made. The Transportation and Liberal Arts Buildings are going up rapidly, and progress is making on all the structures.

I was much pleased to hear last week from Mr. Alexander Forbes, of New York, that he considered we were most favorably ahead with all the work compared to past expositions at a corresponding date. WILLIAM SCOTT.

BRIEFS FOR BUSY FLORISTS.

CHRYSANTHEMUMS.—After these are planted, too much care cannot be given to the watering of them until they get fairly started growing, particularly if the house in which they are planted is shaded. Let the first watering be thorough enough to wet the soil clear through, after which the plants should be allowed to get pretty well on the dry side before they are again watered, applying it only in the spots on the bench that appear to need it. Syringe them lightly every morning, and when the weather is excessively warm syringing may be done twice a day, and will be beneficial to them. Give plenty of air at all times, both day and night. In the matter of shading there is no strict rule to go by; good flowers can be grown either with or without it; it all depends upon their treatment. Should a house be shaded lightly and treated with discretion as regards watering, etc., it will produce as good flowers and with less labor than a house that is left unshaded, as the latter will often in the course of the Summer become so hot and dry that twice a day waterings are necessary. Dust the young plants occasionally with tobacco dust, and keep the aphis down from the beginning. This is a much better plan than waiting until the fly has obtained possession, and then having to use twice the amount of tobacco to dislodge it.

ARDISIAS.—Young plants may be planted in a well prepared bed outdoors, and they will make a much better growth than if kept in the pots all Summer. Dig into the soil some well-rotted manure, and if the soil is at all heavy some leaf mould should also be dug in to lighten it. Established plants, those that are intended for next Winter's sale, may be stood outdoors, on a bed of clean ashes or gravel, where the drainage will not become clogged up, and a weekly watering of weak liquid manure should be given them as the pots become filled with roots.

CYCLAMENS.—These should be out in the frames now and making a rapid growth. Shade them from the full force of the sun every day. Look them over twice a day and water such as are in need of it, using a watering can with water taken from a barrel or tank. Shift into larger sized pots as required, never allowing the plants to become root-bound until the flowering size is attained.

CINERARIAS.—After the seedlings are large enough to be got into single pots, the best location for them is a cold frame which faces the north. Here the sun never strikes them, and they will grow luxuriantly, and aphis will not attack them. Pot along as required and leave them in the frame until the nights are too cold for the plants. When potting be sure to use material of the roughest kind admissable, according to the size of the pot employed. Cinerarias will never do well in fine or sifted soil.

WHILE IN THE RUSH OF PLANTING for your customers do not neglect the home garden. This should be made to furnish lots of serviceable flowers through the Summer and Autumn, and to neglect it now would be willful carelessness.

ROTATIVE PLANTINGS of asters, stocks, sweet peas, gladiolus, tuberoses, etc., should be got in, and all the herbaceous plants that are growing should be cared for, as regards watering, mulching or staking, as the case may be.



(126) **Sulphuric Acid.**—How much commercial sulphuric acid does it take to make one gallon of water smoke, as used in making hydrocyanic acid gas? Also does it turn the paint yellow on the inside of a house if you burn sulphur in it for fumigating.—C. C. R.

—The strength of the commercial grades of sulphuric acid are so variable that it is impossible to say definitely, in what proportion it should be used in preparing hydrocyanic acid gas. Usually one part of the acid to two parts of water is ample to heat the water sufficiently to cause a copious ebulition of steam. In case steam is not produced with this amount of the acid, however, enough should be added to bring about the desired result.

The yellowing of paint on the interior of greenhouses frequently follows the burning of sulphur in fumigating. This is due to the fact that some unburned sulphur may escape and may be taken up by lead paint and thus produce a trace of lead sulphide. Even should no unburned sulphur escape, the sulphurous acid produced in the burning may lead to a gradual yellowing of the paint, especially if direct sunlight strikes it, as under the influence of sunlight sulphurous acid can decompose itself with the liberation of sulphur: $3SO_2 = 2SO_3$ S. —P. H. DORSETT, Division of Vegetable Physiology and Pathology, U. S. Department of Agriculture.

(127) **Insects on Maples.**—The insect on the leaf of J. E. Jackson's maples at Gainesville, Ga., is the maple leaf plant louse (Pemphigus acerifolii,) and the scale insect on the bark from the same place is the so-called gloomy scale (Aspidiotus tenebricosus). The insects are entirely different. The leaf insect is not a serious enemy of the tree, and generally disappears toward the middle of Summer. It is preyed upon so extensively by Coccinellids and Syrphus flies that I have never known it to do any serious damage to a tree. The gloomy scale, however, is a more serious matter. I have seen large branches killed, and smaller limbs are rendered so brittle that they are readily broken off in rain storms and high winds. There is no perfect remedy, but if the trees are well cut back and sprayed during Winter with strong kerosene soap emulsion, or with whale oil soap and water, the insect will be reduced to a minimum. I will send you, by a later mail, a copy of Farmers' Bulletin No. 19, in which these insecticides are described.—L. O. HOWARD, Entomologist U. S. Department of Agriculture.

(128) **Heating Questions.**—We have two houses, each 123x24½ feet, running east and west. The south house is planted to roses, the north one to carnations. We wish to put a partition across the rose house, using the east end for roses and the west end for carnations. How many runs of 2-inch pipe will it take in the eastend to maintain 58 to 60 degrees nights, and 48 to 52 degrees in the west end? We have overhend system, hot water, and have not had good results. Pipes have a fall of 12 inches each way, and boiler is down in a 6-foot pit. Have we fall enough, and if so, with a good fire, should the water not stay hot with the drafts shut off? We contend that boiler is defective, and would be glad of your opinion; also if 75 tons of coal and coke is not an exorbitant consumption. Houses are well protected by boiler room extending clear across the west end and nearly 2 feet higher than roof. They are new, well built, with lapped glass, and only exposed to southeast winds. Are houses too long for good results from hot water?—four flows and twelve returns, all 2-inch in each house.—F. BROS.

—With a roof and walls of the usual size for a house of this width, about 16 runs of 2-inch pipe will be required for a rose house, and 12 or 13 should answer for carnations. The fall of the pipes is much greater than is needed if they are on a even slope, and if the top of the boiler is lower than the floor of the greenhouse there should be no difficulty in securing a good circulation. The water should remain hot as long as there is a fire in the boiler. Seventy-five tons of coal is nearly double the amount that would be required if hard coal is used, but is not an excessive quantity for some of the cheap grades of soft coal and coke. Houses of the above length can be readily heated with hot water, but when each flow supplies three returns about 300 feet of radiation is carried by each main. This is 50 per cent. more than is desirable, and two returns for each flow will be more satisfactory.—L. R. TAFT.

I have two houses, one 32x47 feet, and one 18x65 feet, which I wish to heat with a coil boiler. Would 80 feet of 2-inch pipe for coil be enough for 60 degrees F. in one house, and 50 in the other with the outside temperature 15 degrees below zero? If not how many would it take; also how many rows of 1½-inch pipe would it take in the 18x65-foot house for 60 degrees, and how many in the other for 50 degrees?—R. A. BEGALKE.

—The use of only 80 feet of 2-inch pipe in a coil for heating the two houses mentioned above would necessitate heavy firing and would result in the loss of a large amount of heat up the chimney. One hundred and twenty-five feet is the least that we would recommend, and for economy of labor and fuel there should be 175 feet. The 18x65-foot house will require twenty 1½-inch pipes if it is to be heated to 60 degrees, and 16 will be needed to heat the 32x47-foot house to 50 degrees, exclusive of mains. If three 2-inch flow pipes are used in each house the number of 1½-inch returns can be reduced by four.—L. R. TAFT.

We have three houses, two in roses and one in carnations, 18x70 feet, heated with steam, that we wish to change to hot water. The two rose houses are piped with nine runs of pipe, one 3-inch flow and eight 1½-inch returns. The carnation house has one return less, or one 3-inch flow and seven 1½-inch returns. The boiler is about a 35-horse power, two 8-inch return flues. What we wish to know is how much more pipe will it take to heat the place to 60 degrees in zero weather; also, how should the expansion tank be arranged to give best results? The return pipes have a fall of about 3½ feet.—HEATER.

—To heat 3 houses, measuring 18x70 feet to 60 degrees in zero weather, supposing that the roofs are of about the average slope and that there is no glass in the side walls, will require about 580 square feet of radiation. The rose houses which now have one 3-inch flow and eight 1½-inch returns will each require six additional 1¼-inch pipes, and the carnation house will need seven more pipes. Although five should be ample for providing the heat necessary for carnations. The expansion tank may be connected at almost any point. Ordinarily, it will be best to connect it with the highest point of the main supply pipe. The tank should be elevated as much as possible, without danger of freezing.—L. R. T.

(129) **Plants for Name.**—The variegated leaved plant is a form of Bishop's weed—Ægododium Podagraria. The shrub is Tamarix gallica.



The Grand Central Palace, New York.

He'd Leave His Happy Home So True.

A town he knew, a nice town, too,
Un-til he saw the City of New York.
Then that florist blew, ev-ry sol-l-ta-ry sou,
Chas-in' roun' to see the sights and hear the talk.
At last he saw the Wal-dorf, and all oth-er pla-ces called off,
Quite content to spend his days
And the nights, too, if he might, to his soul's su-preme de-light,
Ta-king in New York-ers' wel-come and their ways—for

Chorus:

He'd leave his hap-py home so true, oo-oo-oo-oo,
For New York, where he can get the cue, oo-oo-oo-oo,
How to get en-joy-ment and to thrive in bus-ness, too, oo,
He'd leave his hap-py home so true, oo-oo-oo-oo.

From Al-ban-ee and Phil-del-phee,
From Syr-a-cuse and Roch-es-ter they came,
And from Chi-ca-go, from whence all the wind doth blow,
And from Bos-ton, where the bean has made its fame,
From Prov-i-dence and O-hi-o, and I-o-way and Buf-fa-lo,
From Nash-ville and from Troy,
They all jour-ney'd to New York, ev-en if they had to walk,
And their na-tive pride it might perhaps de-stroy—for

Chorus:

—With apologies to the Metal Worker.

Buffalo.

Trade News.

In the store lines equable and seasonable weather helps a trade that inclines to slowness for most part, probably the more apparent, however, through the existing large lot of bloom, more than the demand calls for. Roses continue in a fair June quality; some later than the average, and now carnations are very plentiful. School commencements have helped a bit, and between such, and weddings, good business is looked for after this week.

The California poppy is a great display flower, and dresses up a window wonderfully, as seen in Palmer's, on trees, combined with white water lillies. Rebstock cks out his window show to fine effect with some good standard roses in bloom.

A visit to the newly built South Park or Botanic Garden conservatories, which at last are now in rapid process of arrangement for occupancy, shows that the stock so long housed closely in the old houses will have ample space for a while. The two smaller of the large dome-roofed structures are practically filled, while the fine crotons have been given head room ample in the connecting portions. It will require some weeks longer to finish putting stock in shape, when we hope to give other details. A good showing of orchids now attracts many admiring vistors.

Jottings.

Bedding plant trade moves on steadily, and to apparant satisfactory transactions in most quarters.

The store men are beginning to ease up. Will Palmer is at Cambridge Springs, and S. A. Anderson has been visiting friends in Rochester for some days.

Wm. Scott attended the Convention of Park Superintendents in Chicago last week. VIDI.

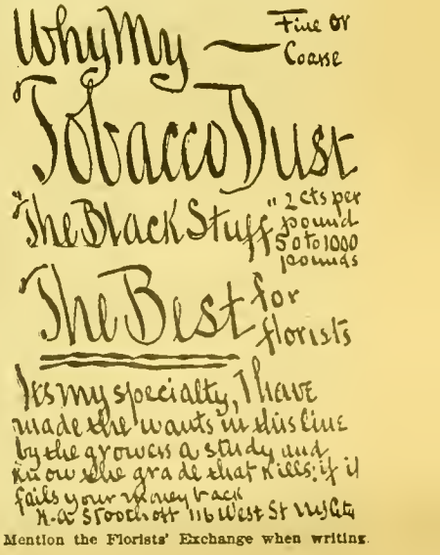
St. Louis.

The Market Unchanged.

There has been very little change in the market conditions since our last report. A nice lot of stock is to be seen these days for this time of the year. Carnations are nearly as good as in Winter, with fine long stems. The flowers only bring $1 per 100 for the best, and were offered at 5c. per dozen, retail, in one store this week. Roses are of rather poor quality in Bride and Bridesmaid, and sell at from 2c. to 4c., with extra Kaiserin as high as 6c. Some few Harrisii are in that bring 6c.; also some candidum lilies, at 75c. per dozen stalks. The town is full of sweet peas; they bring 25c. to 40c. per 100. A few cornflowers, gladiolus, iris, marguerites, etc., are to be had, but they don't sell, except for special orders, which we are sorry to say are not very plentiful, as business is anything but good, the street car strike still being in force and no prospects of an early settlement.

Notes.

Several have left to attend the nurserymen's convention at Chicago this week, among them Frank A. Weber, of H. J. Weber & Sons' Nursery Co.; Jos. Scheutte, of Scheutte & Czarnoski; Geo. W. Salle, of South St. Louis, and Carew Sanders, of Sanders' Nursery. Local nurserymen all report a heavy business this Spring. C. C. S.



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Consignments of Novelties and all Seasonable Flowers Solicited, and Returns Made Weekly.
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...Wholesale Prices of Cut Flowers...

	Names and Varieties	New York June 15, 1900	Boston June 14 1900	Philadelphia June 14, 1900	Baltimore June 13, 1900	Buffalo June 13, 1900
Roses	A. BEAUTY, fancy—special	10.00 to 15.00	12.50 to 16.00	20.00 to 30.00	.... to	.... to ....
	" extra	8.00 to 10.00	8.00 to 10.0	15.00 to 25.0	15.00 to 20.0	20.00 to 25.00
	" No. 1	4.00 to 6.0	4.00 to 6.00	10.00 to 15.00	8.00 to 12.0	10.00 to 15.0
	" Culls & ordinary	.50 to 3.00	1.00 to 3.00	3.00 to 10.0	4.00 to 6.0	.... to ....
	Bride, 'Maid, fancy—spc'l	3.00 to 4.00	6.00 to 8.00	6.00 to 8.00	.... to	3.00 to 8.00
	" extra	2.00 to 3.00	4.00 to 5.00	4.00 to 6.00	3.00 to 5.0	3.00 to 8.00
	" No. 1	1.00 to 2.00	2.00 to 3.00	2.00 to 4.00	3.00 to 5.0	.... to ....
	" No. 2	.50 to 1.50	.... to 1.00	1.00 to 2.00	.... to	.... to ....
	K. A. Victoria	3.00 to 5.00	2.00 to 8.00	.... to	3.00 to 5.00	3.00 to 6.00
	La France	.... to	.... to	3.00 to 8.00	3.00 to 5.00	.... to ....
	Meteor	1.00 to 3.00	1.00 to 4.00	2.00 to 8.00	2.00 to 4.00	3.00 to 6.00
	Papa Gontier	.... to	.... to	.... to	.... to	.... to ....
	Perle	1.00 to 2.00	1.00 to 4.00	3.00 to 7.00	2.00 to 3.00	.... to ....
	Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
	ORCHIDS—Cattleyas	25.00 to 35.00	.... to	40.00 to 50.00	.... to	.... to ....
	Cypripediums	.... to	.... to	15.00 to 20.00	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	.25 to .50	.20 to .40	.25 to .35	.50 to .60	.50 to .75
	STANDARD VARIETIES White	.25 to .50	.50 to .75	1.00 to 1.50	.... to .75	1.00 to 1.50
	STANDARD VARIETIES Pink	.25 to .50	.50 to .75	1.00 to 1.50	.... to .75	1.00 to 1.50
	STANDARD VARIETIES Red	.25 to .50	.50 to .75	1.00 to 1.50	.... to .75	1.00 to 1.50
	STANDARD VARIETIES Yel.&Var	.25 to .50	.50 to .75	1.00 to 1.50	.... to .75	1.00 to 1.50
	*FANCY— White	.50 to 1.50	.75 to 1.00	1.50 to 2.00	1.00 to 2.00	1.50 to 2.00
	*FANCY— Pink	.50 to 1.50	.75 to 1.00	1.50 to 2.00	1.00 to 2.0	1.50 to 2.00
	(*The highest grades of standard var) Red	.50 to 1.50	.75 to 1.00	1.50 to 1.75	1.00 to 2.00	1.50 to 2.00
	(*The highest grades of standard var) Yel.&Var	.50 to 1.50	.75 to 1.00	1.00 to 1.50	1.00 to 2.00	.... to ....
	NOVELTIES	.50 to 1.50	.... to	.... to 2.00	.... to	.... to ....
	ADIANTUM	.50 to .60	.... to .50	.75 to 1.00	.... to 1.00	.75 to 1.25
	ASPARAGUS	35.00 to 50.00	.... to100.00	50.00 to 75.00	20.00 to 60.00	50.00 to 60.00
	CALLAS	4.00 to 6.00	3.10 to 6.00	.... to	5.00 to 6.00	6.00 to 10.00
	DAISIES	.25 to .50	.... to	.40 to .50	.... to	.... to ....
	GLADIOLUS	4.00 to 5.00	6.00 to 8.00	.... to	.... to	.... to ....
	HYACINTHS	.... to	.... to	.... to	.... to	.... to ....
	IRIS	1.00 to 2.00	.... to	.... to	.... to	.... to ....
	LILIES	3.00 to 4.00	4.00 to 6.00	10.00 to 15.00	6.00 to 8.00	6.00 to 8.00
	LILY OF THE VALLEY	1.00 to 2.50	2.00 to 4.00	2.00 to 4.00	.... to	.... to 4.00
	MIGNONETTE—ordinary	.25 to 1.00	.... to 1.00	.... to	.... to	.... to ....
	MIGNONETTE— fancy	1.00 to 2.00	.... to	.... to	.... to	.... to ....
	NARCISSUS	.... to	.... to	.... to	.... to	.... to ....
	PÆONIES	1.00 to 4.00	3.00 to 4.00	2.00 to 4 00	.... to 3.00	3.00 to 4.00
	SMILAX	10.00 to 12.00	.... to 12.50	15.00 to 20.00	12.00 to 25.00	.... to 15.00
	SWEET PEAS	.10 to .15	.20 to .35	.15 to .50	.20 to .35	.30 to .60

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	Names and Varieties	Chicago June 12, '00	St. Louis June 12, '00	Cincinnati June 12, '00	Milwaukee June 10, '00	Pittsburg June 12, '00	Toronto June 12, '00
Roses	BEAUTY, fancy—special.	20.00—25.00	....—	....—	20.00—25.00	20.00—25.00	....— ....
	" extra	15.00—18.00	....—	....—	15.00—18.00	15.00—20.00	....—20.00
	" No. 1	8.00—10.00	....—	....—	10.00—12.50	10.00—12.00	....—10.00
	" Culls & ordinary	2.00— 3.00	....—	....—	4.00— 8.00	3.00— 8.00	....— 5.00
	Bride, Maid, fancy-spec'l	....—	3.00— 5.00	3.00— 4.00	4.00— 6.00	....—	....— ....
	" extra	4.00— 5.00	2.00— 5.00	3.00— 4.00	4.00— 6.00	2.00— 8.00	2.00— 8.00
	" No. 1	2.00— 3.00	....—	....—	....—	2.00— 8.00	2.00— 6.00
	" No. 2	.75— 1.00	....—	....—	....—	2.00— 4.00	2.00— 4.00
	K. A. Victoria	4.00— 6.00	....—	....—	6.00— 8.00	2.00— 8.00	....— ....
	La France	3.00— 4.00	....—	....—	....—	....—	....— ....
	Meteor	2.00— 4.00	3.00— 5.00	2.00— 4.00	4.00— 6.00	2.00— 8.00	1.00— 8.00
	Papa Gontier	....—	....—	....—	....—	....—	....— ....
	Perle	1.00— 3.00	2.00— 3.00	2.00— 3.00	3.00— 6.00	2.00— 4.00	1.00— 4.00
	Souv. de Wootton	....—	....—	....—	....—	....—	1.00— 8.00
	ORCHIDS—Cattleyas	....—	....—	....—	....—	....—	....—25.00
	Cypripediums	....—	....—	....—	....—	....—	....— ....
	Dendrobium formosum.	....—	....—	....—	....—	....—	....— ....
Carnations	1 of 'r grades, all colors.	.25— .40	.50— .75	....— .50	....—	.50— .75	....— .25
	STANDARD VARIETIES White	.50— .75	....— 1.00	1.00— 1.50	1.00— 1.50	.75— 1.00	.50— 1.50
	STANDARD VARIETIES Pink	1.00— 1.50	....— 1.00	1.00— 1.25	1.00— 1.50	.75— 1.00	.50— 1.50
	STANDARD VARIETIES Red	1.00— 1.50	....— 1.00	.50— 1.00	1.00— 1.50	.75— 1.00	.50— 1.50
	STANDARD VARIETIES Yel.&Var.	1.00— 1.50	....— 1.00	....—	1.00— 1.50	.75— 1.00	.50— 1.50
	*FANCY— White	1.00— 1.50	1.50— 2.00	....— 2.00	2.00— 3.00	1.25— 2.00	....— 2.00
	*FANCY— Pink	1.00— 1.50	1.50— 2.00	....— 2.00	2.00— 3.00	1.25— 2.00	2.00— 3.00
	*FANCY— Red	2.00— 3.00	1.50— 2.00	....— 2.00	2.00— 3.00	1.25— 2.00	2.00— 3.00
	*FANCY— Yel.&Var.	2.00— 3.00	1.50— 2.00	....—	2.00— 3.00	1.25— 2.00	2.00— 3.00
	(*The highest grades of standard var) NOVELTIES	....—	....—	....—	....—	....—	....— ....
	ADIANTUM	.50— 1.00	.75— 1.00	....— 1.00	....— 1.00	.75— 1.00	....— ....
	ASPARAGUS	40.00—50.00	....—	....—	....—	35.00—50.00	30.00—50.00
	CALLAS	4.00— 6.00	....—	....—	....—10.00	6.00— 8.00	....— ....
	DAISIES	.20— .30	....—	....—	....— .50	.25— 1.00	.25— 2.00
	GLADIOLUS	4.00— 8.00	....—	....— 3.00	8.00— 8.00	5.00— 6.00	....— 2.00
	IRIS	....—	....—	....—	....—	....—	....— ....
	LILIES	6.00— 8.00	....—	....—15.00	....—15.00	5.00— 6.00	....— ....
	LILY OF THE VALLEY	3.00— 4.00	....—	....— 4.00	....— 4.00	2.00— 4.00	....— ....
	MIGNONETTE—ordinary	....—	....—	....—	....—	....—	....— ....
	" fancy	....—	....—	....—	....—	....—	....— ....
	NARCISSUS	....—	....—	....—	....—	....—	....— ....
	PÆONIES	2.00— 4.00	....—	....— 3.00	2.00— 3.00	3.00— 6.00	3.00— 6.00
	SMILAX	12.00—18.00	....—12.50	....—15.00	....—15.00	12.50—15.00	....— ....
	SWEET PEAS	.20— .75	.25— .20	....— .40	.50— .75	.35— .75	.40— .75

Carnation Blooms
In unlimited quantities, shipped to all points.
Chicago Carnation Co., Joliet, Illinois.
Mention the Florists' Exchange when writing.

Galax Leaves
CHAS. H. RICKSECKER, Linville, N. C.
Mention the Florists' Exchange when writing.

BASSETT & WASHBURN,
Wholesale Dealers and Growers of
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76 WABASH AVE., CHICAGO, ILL.
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RICHMOND, INDIANA.



New Crop Ferns, $1.25 per 1000. Headquarters for Laurel Festooning on short notice, from 4 to 6 cts. per yard.
MILLINGTON, MASS.
Telegraph Office, New Salem, Mass.
Mention the Florists' Exchange when writing.

GALAX LEAVES
For latest prices green and bronze Galax Leaves and Leucothoe, address the introducer.
HARLAN P. KELSEY,
Tremont Bldg., BOSTON, MASS.
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FROM COLD STORAGE
GALAX LEAVES.
Brilliant Bronze or Brilliant Green, $1.50 per 1000.
LEUCOTHOE SPRAYS.
Bronze, $1.25 per 100; Green, $1.25 per 100.
FANCY FERN, DAGGER FERN, Etc. At Market Prices.
Write, Telegraph or Telephone.
HARRY A. BUNYARD, 42 West 28th Street. Telephone, 2065 Madison Square. NEW YORK CITY.
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SPECIALTIES
Jacqs. Brides, Maids, Violets, Valley, Carnations, Lilies and all Bulbous Flowers.
J. K. ALLEN,
Wholesale Commission Florist,
106 WEST 28th ST., NEW YORK.
Telephone, 167 Madison Square.
LONG EXPERIENCE AND EVERY FACILITY.
CONSIGNMENTS SOLICITED.
Mention the Florists' Exchange when writing.

PITTSBURG CUT FLOWER CO., Ltd.
Roses, Carnations, Lilies, Valley, Smilax, Pæonies, Ferns.


No. 504 Liberty St., PITTSBURG, PA.
SPECIAL
Asparagus Sprengeri,
35 to 50c. per bunch.
FLORISTS' SUPPLIES
Mention the Florists' Exchange when writing.

HELIOTROPE

2 inch, $2.00 per 100.

Merry Christmas 'Mums, 2 inch, $2.00 per 100.

Baby Primrose, $1.50 per 100.

Smilax, from flats, $1.00 per 100.

Geraniums, 4 inch, single Gen. Grant, $6.00 per 100.

CASH WITH ORDER.

WM. KEIR, - Pikesville, Md.

Mention the Florists' Exchange when writing.

GERANIUMS

In good varieties, in bud and bloom, 3½ in. pots, per 100, $5.

IVY GERANIUMS, in good varieties, in bud and bloom 3½ in. pots, per 100, $5.00.

Fuchsia, 4 in. pots, per 100, $12.00. **Heliotrope,** 2 varieties, 2½ in. pots, per 100, $2.50. **Salvia,** 2½ in. pots, per 100, $2.50. **Ageratum,** Cope's Pet, 2½ in. pots, per 100, $2.50. **Lobelia,** 2½ in. pots, per 100, $2.50. **Single Petunias,** 2½ in. pots, per 100, $2.50. **Periwinkle,** 3 in. pots, 100, $5. Cash with order.

WM. J. CHINNICK, Trenton, N.J.

Mention the Florists' Exchange when writing.

FOR SALE CHEAP

A No. 1 nice stock, in bud and bloom.

Verbenas, Petunias and Fuchsias, 2½ in. pots, 35c. per doz.; $2.50 per 100.

Pansies, extra fine strain, in fine shape, 2½ in. pots, $2 50 per 100; 3 in. pots, $3.00 per 100.

Coleus, 2½ in. pots, 4 to 5 inches, 10 to 15 varieties, $2.50 per 100.

Smilax, 2½ in. pots, $2.50 per 100.

Carnations, all sold.

Orders booked now for **Smilax** and **Campbell Violets,** 2½ in. pots, $2.50 per 100.

CASH WITH ORDER, PLEASE.

E. J. CLOUD, [illegible] **Avondale, Pa.**

Mention the Florists' Exchange when writing.

	Per 100
Chrysanthemums, best commercial varieties, from soil	$2.00
Cannas, Mme Crozy and Queen Charlotte, 4 and 5 in., $1.00 per 12.	
Asters, Queen of the Market, strong, from soil.	1.00
Vinca, variegated, 3 in.	2.50
Vinca, flowering, pink and white	2.50
Bougainvillea Sand., to plant out, 2 in.	2.00
Asparagus Sprengeri, 2 in.	3.00
Smilax, from 2½ in.	2.00
Lobelia Crystal Palace, 3 in., fine	2.50
Fuchsias, in 5 best vars., bud and bloom, 4 in., $1.00 per 12.	
Russelia Multiflora and Elegantissima, 3 in., 60c. per 12.	
Coleus, Firebrand, Verschaffeltii, Golden Bedder and others, 3 in.	2.50

Cash With Order.

J. G. EISELE, 20th and Ontario Sts., Phila., Pa.

XXX STOCK

SPECIAL OFFER for Immediate Orders.

Cyclamen Persicum Splendens Giganteum, finest strain in the world. Now ready to ship, a splendid stock of plants in four true colors—red, white, pink, and white with red centre—from 2½ in. pots, $1.00 per 100; $35 00 per 1000; 250 at the 1000 rate. Send in the order at once if you want to secure selected stock.

All Stock Guaranteed A No. 1.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

LOOK! AUCTION SALE OF PLANTS

On June 16th, 10 A.M. to 5 P.M.

ROSES, from 3 in. pots, nice healthy plants—Bride and Bridesmaid, La France, Meteor, Perle, Kaiserin, American Beauty, Hermosa.

SOLANUMS, from 2½ in. pots; **HYDRANGEAS,** 2½ in. pots; **BEGONIAS, PALMS, DRACENAS, FERNS,** from 3 in. pots; good stock. Also a lot of **BEDDING PLANTS—Feverfew, Coleus, Geraniums, Salvia Splendens, Petunias, Verbenas, Lobelias, Fuchsias,** and a lot of miscellaneous plants. I must sell these plants to make room for rebuilding my houses.

If you cannot attend in person, send your bid by mail, and I will try and purchase stock for you and will ship it on the 18th of June, C.O.D., subject to your examination at express office, to be returned at my expense if not satisfactory. ☞ Take Darby Car on Walnut Street. TERMS CASH.

M. F. LA ROCHE, Agt., Collingdale, Pa.

Mention the Florists' Exchange when writing.

WHAT DO YOU WANT?

I have 10,000 **Scott, McGowan** and **Portia Carnations,** from flats, $10.00 per 1000.

L. H. Campbell and **California Violets,** 10,000 strong, fall runners, ready to plant, $8.00 per 1000; **Princess of Wales,** $15.00 per 1000. All above by 100 same price.

5000 Ampelopsis Veitchii, long, live tops, pot-grown, dormant, at $3.00 per 100 or $25.00 per 1000.

5000 Vinca Major var., 2½ in. strong, $3 00 a 100

Carex Japonica, Golden Glow, Blue Moon Vines, Hattenna and **Golden Honeysuckle, Blue** and **Crimson Spirea,** all from 2½ in. pots, good, 3 cts. each, as many as you want.

Also **Lady Washington Geranium; Genista,** assorted. **Flowering Begonias, Manettia Bicolor,** 4 cts. each; **Sprengeri,** 3½ in., fine, 8 cts.

Cash with order, please.

BENJ. CONNELL, Florist, WEST GROVE, PA.

Mention the Florists' Exchange when writing.

Begonia, Gloire de Lorraine

H. B. May has a first-rate stock, ready for shipment in June. **Price, £25 per 1000,** accompanied by draft on a London bank. A customer in Philadelphia writes, under date of July 6th, 1899:

"I am glad to be able to say that the 500 Begonias arrived in first-class condition. I do not think we will lose a plant."

DYSON'S LANE NURSERIES,
Upper Edmonton, LONDON, ENGLAND.

Mention the Florists' Exchange when writing.

LAST CALL

		Per 100
10000	**Coleus,** named, our selection, 2½ in.	$1 50
5000	**Geraniums,** named and mixed 2½ in.	2 00
500	**Maidenhair Ferns,** 2½ in.	4 00
3000	**Ireines, red also yellow,** 2½ in.	1 50
1000	**Alternanthera, large-leaved,** 2½ in.	1 50
1000	**Begonia, Red Vernon,** 2½ in.	1 50
1000	**Begonia, Erfordi,** 2½ in.	1 50
2000	**Begonias, mixed,** 2½ in.	1 50
500	**Lygodium Scandens,** climbing fern, 2½ in.	4 00
1000	**Fuchsias,** mixed, 2½ in.	1 60
300	**Asparagus Plumosus,** 7 in.	20 00

CASH.

THE MORRIS FLORAL CO., Morris, Ill.

Mention the Florists' Exchange when writing.

A Few Good Things You Want

REX BEGONIA, extra fine, 2½ in., $4.00 per 100 3 in., $6.00 per 100.

GERANIUMS, Bonnal, single and double Grant, S. A. Nutt, Mrs. E. G. Hill, 3 in., $5.00 per 100.

COLEUS, red and yellow, 2 in., $2.00 per 100.

SALVIA, Clara Bedman, 2 in., $2.00 per 100.

VINCA VAR., 2½ in., $3.00 per 100.

AGERATUM, blue and white, 2 in., $2.00 per 100.

SMILAX, 2 in., $2.00 per 100.

BRIDESMAID ROSE, 3 in., $5 00 per 100.

SWORD FERN, Nephrolepis Cordata Compacta 2½ in., $3.00 per 100.

Fine stock of **KENTIA HELMOREANA** and **FORSTERIANA,** just right for growing on, 2½ in., $10.00; 3 in., $20.00; 4 in., $40 00 per 100. Nice clean stock, and can't be duplicated anywhere for the money. *Cash with order.*

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing

GERANIUMS

Double Gen. Grant, Gloire de France and de Tastepedc, from 3 inch pots, stocky, $4 00 per 100; from 4 in. pots, extra strong, at $8.00 per 100. One year old stock plants, from 5 in. pots, at $15.00 per 100.

Fuchsias, from 2½ in. pots, strong, $2.50 per 100.

Heliotropes, from 3 in. pots, at $3.00 per 100.

Salvia Splendens, from 3 in. pots, at $3.00 per 100.

Alyssum, Double Giant, from 3 in. pots, $4 00 per 100.

Vinca Variegata, from 4 in. pots, $12.00 per 100.

Vinca Variegata, from 2½ in. pots, 18 to 24 inches long, just the thing for hanging baskets, at $5.00 per 100.

German Ivies, from 3 in. pots, strong, $4.00 per 100.

Tropæolums, tall and dwarf, from 2 inch pots, at $1.00 per 100.

Selaginella, from 4 inch pots, $6.00 per 100.

Celery Plants, from seed bed, at $2.00 per 1000; 25c. per 100

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing

BEDDING PLANTS

Over 100,000 of Them.

Large Assortment, Suitable for Planting, at Remarkably Low Prices. Prices Rated per 100.

OUT OF 4 INCH POTS.

Ageratum, blue	$5.00	**Scarlet Sage**	$5.00
Calendula	5.00	**Fuchsias**	5.00
Heliotrope	5.00	**Cubæa Scandens**	8.00

OUT OF 2½ TO 3 INCH POTS.

Petunia	3.00
Phlox Drummondi	3.00
Coleus, all sorts (no Verschaffeltii)	3.00
Sweet Alyssum	3.00
Alternanthera, red and yellow	3.00
Verbenas	3.00
Musk	3.00
Thunbergia	3.00
Pyrethrum Aureum	3.00
Dusty Miller	3.00
Kenilworth Ivy	3.00
Clematis, all vars. (except Jackmanni, are all sold), 5 to 6 inch pots	25
Hydrangea Paniculata, 6 inch	20

All pots will be taken off unless mentioned that pots are wanted.

GODFREY ASCHMANN, 1012 Ontario St. Rising Sun,

PHILADELPHIA, PA.,

Importer and Wholesale Grower of Pot Plants.

Mention the Florists' Exchange when writing.

FIRST-CLASS STOCK

	Doz.	100
Ageratum, Cope's Pet, 2½ in. pots	$0.60	$2.50
Begonias, assorted, 2½ in. pots.	.60	4.00
Coleus—		
Golden Bedder, 2½ in. pots	.50	2.00
Verschaffeltii, 2½ in. pots	.50	2.00
Dracæna Indivisa—		
4 in. pots, very strong	2.25	18 00
6 " "	3.50	25.00
German Ivy, 2½ in. pots	.50	2.00
Hedera Helix (English Ivy), 2½ in. pots	.50	3.00
Lemon Verbena, 2½ in. pots.	.75	4.00
Maranta Bicolor, 2½ in. pots	.75	5.00
Salvia Splendens, Bonfire, flats	.50	2.00
Swainsona Galegifolia Alba, 2½ in. pots	.60	4.00
Pandanus Veitchii—		
15 in. high, 6 in. pots	12.00	
Vinca, Variegated trailing, 2½ in. pots	.50	3.00
Vinca, Green trailing, 2½ in. pots	.50	3.00
Vinca, shrubby, 2½ in. pots	.75	4.00

N. B.—All orders amounting to $5 00 and over are forwarded F. O. B. New York City.

Orders from unknown correspondents are sent C. O. D.

SEAWANHAKA GREENHOUSES,
OYSTER BAY, L. I.

Lock Box 227. W. L. SWAN, Prop.

Mention the Florists' Exchange when writing.

Unequaled Varieties VERBENAS Vigorous Stock.

IN BUD AND BLOOM.	100	1000
Best Mammoths, strong pot plants	$3.00	$25.00
Older " strong pot plants	2.50	20.00

CANNAS.

Austria, strong plants from 3½ in. pots,			$6.00 per 100
Burbank, " " 3½ "		6 00	"
Other varieties, our selection, 3½ "		6.00	"

ROSES.

Bridesmaid, Bon Silene, Catherine Mermet, Duchess of Albany, Golden Gate, Maid of Honor, Perle des Jardins, Sunset, The Bride, from 2½ in. pots, $4.00 per 100, $38.00 per 1000; from 3 in. pots, $7.00 per 100; $60.00 per 1000.

CHRYSANTHEMUMS.

For Varieties and Prices see Issue of June 9th.

MISCELLANEOUS PLANTS.

Ready for Immediate Sales.

	Per 100
Anthemis, Dbl. Golden Marguerite, 2½ in. pots,	$3.00
Ageratum, blue and white, 2½ in. pots	3 00
" Princess Pauline, 2½ in. pots	4.00
Cuphea, Platycentra, 2½ in. pots	3 00
Carnations, in bud and bloom, 4 in. pots	12.00
Fuchsias, double and single, 2½ in. pots	3.00
" " " 3½ in. pots	8.00
Geraniums, double and single, 3½ in. pots	7.00
" " " 3 in. pots	5.00
Heliotrope, light and dark, 3½ in. pots	5.00
" " " 2½ in. pots	3.00
Moon Flower, white, 2½ in. pots	4.00
Pansies, transplanted	2.50
Salvias, Splendens and Bedmac, 2½ in. pots	3.00
" " " 3½ in. pots	5.00
Violets, M. Louise, $25.00 per 1000; 2½ in. pots	3.00
Feverfew, dwarf, from 2½ in. pots	4.00
Impatiens Sultani, from 2½ in pots	4.00
" " from 3 in. pots	6.00
Pelargoniums, from 2½ in. pots	6.00
Hydrangeas, in bud and bloom, 4 in.	24.00
5 in.	25.00

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

GERANIUMS. Single and double Grant, from 2½ in., 3 in., 3½ in., most in bloom, at $2.50, $3.50 and $4 a 100; good mixed at $2, $3 and $3.50 a 100. **Coleus,** Verschaffeltii and others, from 2½ in., $2 a 100. **Cineraria Maritima, Ageratums, Salvia C. Bedmann,** from 2½ in., $2 a 100 **English Ivy,** 4 ft., $10 a 100 **Dracæna Indivisa,** 5 and 6 in. pots, at $2.50 and $3 a dozen Cash with order.

J. AMBACHER, Long Branch, N. J.

Mention the Florists' Exchange when writing.

WILL EXCHANGE

GERANIUMS, COLEUS, HELIOTROPE, Verbenas, Centaurea, for Roses and 'Mums. What have you to offer?

J. C. BAKER, Florist, Dover, Del.

COLEUS

From 2½ inch pots. Extra fine.

1000 Coleus **Verschaffeltii;** 2000 in 6 other best bedders; the lot for $30.00, 1000 for $12.00, 100 for $1 50.

Extra Good Geraniums, from 4 in. and 4½ in. pots, $6.00 per 100, or 200 for $10.00.

MRS. M. CAVANAUGH, Ionia, Ontario Co., N.Y.

DOUBLE PETUNIAS

4 inch pots, $6.00 to $8.00 per 100; 3 inch pots, $3.00 to $4.00 per 100; 2 inch pots, $2 50 per 100.

GERANIUMS, in variety, 3 inch, $4.00 per 100.

HELIOTROPES, in sizes.

CASH, PLEASE.

WILLIAM STUPPE, Hollis, L.I., N.Y.

Mention the Florists' Exchange when writing.

READ THIS NOW

WE HAVE WORKED IT OVER FOR YOUR BENEFIT

ROOTED CUTTINGS.

	Per 100
Anthemis, Double Yellow Marguerite, 2½ in.	$3 00
3 in.	6 00
Alternanthera, 2½ in., $20 a 1000;	2 50
Abutilon, Var. Trailing, 2½ in.	4 00
Begonia Rex, 2½ in.	4 00
4 in.	10 00
Coleus, 2½ in.	3 00
Centaurea Gymnocarpa, 2½ in.	2 00
Cobæa Scandens, 2½ in.	3 00
3 in.	5 00
Dracæna Indivisa, 3 in.	8 00
3½ in.	10 00
4 in.	15 00
4½ in.	25 00
5 in.	35 00
6 in.	50 00
Fuchsias, 2½ in.	3 00
3 in.	4 00

	Per 100
Fuchsias, Trailing Queen, 2½	$4 00
Ficus Elastica, 3½ in., $3 per doz.	
Geraniums, Mars, 2 in.	4 00
Mars, 2½ in.	6 00
3 in.	8 00
Rose Scented, 2½ in.	3 00
Mme. Bruant, 2 in.	4 00
S. A. Nutt, 2½ in.	3 00
3 in.	6 00
La Favorite, 3 in.	6 00
2½ in.	3 00
Mme Salleroi, 2 in.	2 00
2½ in.	$2.50 to 3 00
3 in.	6 00
Ivy, mixed, 2½ in.	3 00
German Ivy, 2½ in.	2 00
Lobelia, 2½ in.	2 00
Maurandya Vine, 2½ in.	2 00
Munettia Bicolor, 2½ in.	3 00

	Per 100
Nasturtium, Trailing, 2½ in.	$2 00
Pyrethrum, Golden Feather, 2½ in.	2 00
Little Gem, 3½ in.	4 00
Pansy Plants, in bloom	1 50
In bud	$8.00 per 1000; 1 00
Petunias, single, 2½ in.	3 00
Single, 3 in.	4 00
Double, 2½ in.	6 00
3 in.	8 00
Palm, Washingtonia Filifera, 2½ in.	4 00
3 in.	6 00
Salvia, 2½ in.	2 50
3½ in.	4 00
Vinca, 2½ in.	3 00
3½ in.	8 00
4 in.	10 00
5 in.	15 00

WRITE US FOR PRICES ON 1000 LOTS.

	Per 100
Alyssum, Double Giant	$1 00
Variegated	1 25
Abutilon, variegated	1 50
Ageratum, Blue and White	1 00
Princess Pauline	1 25
Anthemis Cor., (Double Yellow Marguerite)	1 50
Coleus, per 1000, $7.50	80
Fancy	1 00
German Ivy	1 25
Geraniums, Sweet Scented	1 50
Assorted	1 50
Mixed	1 25
Happy Thought	2 00
Freak of Nature	2 50
Bronze	1 50

	Per 100
Geraniums, Silver Leaf	$1 50
Mrs. Pollock	2 00
Mrs. Parker	4 00
Mme. Salleroi	1 25
Mars	2 50
Mme. Bruant, Mme. Taylor	2 00
Dr. Livingston	2 00
Impatiens Sultani	1 50
Heliotrope	1 25
Lemon Verbena	1 50
Manettia Bicolor	1 50
Pyrethrum, Little Gem	1 50
Pelargoniums, mixed	3 00
Salvia	1 25
Stevia Var.	1 50
Vinca Var., $10.00 per 1000	1 25

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

Cincinnati.

Trade Notes.

The past week has been very satisfactory from a business standpoint. Many roses and carnations have been in evidence, and have sold fairly well considering the time of year. Commencements and weddings are in vogue now, and every now and then we have prominent people die, but almost invariably the funeral notice reads, "Please omit flowers." This small sentence has a large meaning, and when the florist has his mind made up to do a large amount of funeral work the breath almost leaves his body when he reads those three words.

The News.

The fight for the office of park superintendent was consummated Saturday by the appointment of B. P. Critchell, to succeed R. H. Warder.

Gus. Sheible, who was foreman at the city greenhouses, died last Thursday, June 7, of consumption. He received the greater part of his floral education while employed by the late H. L. Sunderbruch. He was buried Saturday afternoon from his late residence on Walnut Hills, several of the craft attending the funeral.

Club Meeting.

Saturday evening, at the rooms of the Cincinnati Florists' Society, occurred the annual meeting and election of directors which resulted as follows: Wm. Murphy, Ben George, Frank Ball, R. Witterstaetter and Geo. S. Bartlett. The Board of Directors then adjourned and elected the following officers for the year: President, Wm. Murphy; vice-president, R. Witterstaetter; secretary, Geo. S. Bartlett; treasurer, F. Ball. It was decided to hold the next annual outing at Mt. Lookout Park, at the end of the Madison avenue car line, F. Ball and Ben George masters of ceremonies.

The next monthly meeting of the society will take place at the residence of Mr. and Mrs. Gus Adrian, at Clifton, on July 12, at 2:30 p. m. All members are requested to be present, as a committee from the Fall festival will be there to tell what is expected of the florists.

The gold medal offered by Hon. John R. McLean, and won by R. Witterstaetter with Enquirer, was presented to Richard by President Murphy. Dick, of course, had a speech all prepared, which was listened to with a good deal of pleasure.

The greenhouses formerly owned and managed by W. C. Nolan were sold at auction June 12, at 2 p. m.

Visitors during the week: A. L. Randall, Chicago; Martin Renkauf, Philadelphia, and A. Haage, Montgomery, Ala., gardener for W. B. Paterson.

E. G. GILLETT.

Orange, N. J.

At the meeting of the New Jersey Floricultural Society, on June 6, Henry Bird, of Newark, exhibited and explained the use of his new self-watering seed, spore, cutting and propagating pot, by special invitation of the society. The pot presents the appearance of the ordinary 10-inch flower pot, though, perhaps, a little shorter. A groove encircles the outside of the pot about 2 inches from the top. In this groove rests a piece of heavy woollen yarn connecting with the reservoir, and this furnishes the vehicle for introducing the water through a number of small holes, connecting grooves with the inside of pot, and which may be increased or decreased at will, rendering the amount of moisture by the further raising or lowering of the reservoir subject entirely to the control of operator through the agency of capillary attraction. It accomplishes a result hitherto unattained by any former system. Under the old method of surface watering, spores which are so small as to be invisible to the naked eye, as well as very fine seeds, such as azalea, begonia, cineraria, rhododendron, etc., are often, if not entirely, destroyed, washed or floated away with the water; and those that grow, if any, come up very unevenly and irregularly. Not infrequently the action of the water on the soil, no matter how fine the spray, compacts and hardens the surface, rendering it impossible for the seeds or young germs to get through; as a result the seedsman is often scored for selling old or worthless seeds, while the real cause of failure is found elsewhere. The invention is designed to obviate all this trouble.

The judges gave the pot the highest award in the power of the society, and upon their recommendation the society gave it their unanimous indorsement.

The floral feature of the evening was a fine exhibit of President Carnot roses, grown by George Smith in the open. He received the highest certificate.

The balance of the evening was spent in reports of committees and finishing of business prior to the Summer vacation, after providing for a representation on the part of the society at the exhibition of the Rose and S. A. F. Societies.

Messrs. C. W. Ward and Hitchings & Co. received a vote of thanks for valuable assistance in the distribution of plants lately made by the society to the school children.

The meeting adjourned until September 5. A social reunion will occur on that date.

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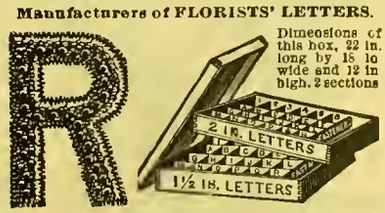

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State of Trade.

There is not much change in the market conditions. Stock is plentiful, and except for real fancy flowers a great deal of it goes at very low prices. First-class roses are becoming scarce, and sell at good prices for the time of year; the rates for ordinary stock, however, are low. Several of the large growers are cutting from young roses; the flowers, although not extra long in stem, are generally of good color. The varieties embrace Beauty, Kaiserin, Meteor and Bridesmaid, the latter suffering most in the way of color.

Carnations are still abundant, a few fancy red and Bradt sell at $3, but $2 may be considered high-water mark, while standards bring $1, and after the first pick, 60c. per 100 in big lots, down to as low as 5c. to 10c. per bunch.

Peonies are still an important factor in this market, and will continue so all the month, on account of cold-storage stock, tens of thousands of bunches being so treated. The best growers always bunch in dozens and closely paper the flowers when the outer petals begin to expand, whether the blooms are sent direct to the wholesaler or put in cold storage. This preserves the flowers in shape. They sell at from 25c. to 50c. per dozen, the price depending upon the quality of the variety. Common stock, which comes in unwrapped, realizes from 10c. to 20c.

Sweet peas are now abundant. There is but little variety, and some of very long and fancy kinds have sold the past week at 75c. per 100; 20c. to 40c. being the general price. The first Lilium auratum are in.

Retail dealers expect to do a very good business the most of this month, cheap prices allowing a large margin of profit, on big orders.

Park and Outdoor Art Association.

The following are the officers elected for the ensuing year; L. E. Holden, Cleveland, Ohio, president; John C. Olmsted and E. J. Parker, vice-presidents, and members of council; Warren H. Manning, Boston, secretary; and O. C. Simonds, treasurer. The place of meeting for 1901 will be Milwaukee, Wis.

Mr. J. Frank Foster's paper on "Park Roads" was a good one, showing thought and knowledge of the subject handled; S. M. Millard's, on "Art in Landscape," was a fine literary effort; the Rev. J. A. Roudthaler's paper, on "The Influence of Public Parks Upon the Morality of the Community," was grandly given, and highly appreciated by the members.

Round About Town.

Sam J. Pearce, of Clybourn avenue, will, as soon as he can get his benches ready, plant 25,000 chrysanthemums. After these come off lilies take their place, and as these again are disposed of, bedding plants. In one house which was occupied by lilies for Easter, he now has a fine lot of Kaiseria roses, starting with a second crop of flowers. Sam says his business for Decoration week was $500 ahead of any year he ever had.

William Scott, of Buffalo, was in the city last week, in the interest of the Pan-American Exhibition.

The Stollery Bros. have made a good thing out of their window box trade. Their general home business is increasing nicely. George is planning a trip to England with James Hartshorne, if berths can be obtained, the end of June or early in July. He expects to be back in time for the S. A. F. Convention. The Chicago bowlers don't want to lose George's help.

Frank Garland, of Desplaines, is building a new greenhouse, 24x150 feet, to be planted with chrysanthemums, afterward bulbs.

Richard Donovan is sending in to Piepgrass good plants of the old hydrangea.

J. A. Budlong has a lot of American Beauty replanted that will be in full flower, just right for the graduation trade. The first crop of young, early planted Meteor is also just coming in.

Bassett & Washburn are cutting some well colored long-stemmed Beauty.

John Fuhrman, 1651 N. Clark, has quite a batch of belated lilies which he finds very useful in funeral work.

Adam Zender, on the Ridge, is building three houses, each 20 x186 feet.

Demand shipped Monday, in one order, 10,000 ox-eye daisies.

Weinhoeber had 250 orders, some small, of course, for one school, and used at a wedding 6,500 sweet peas.

C. W. Northrup, of La Grange, has been sending in extra fine sweet peas.

Visitors the past week were: Joseph Reeve, Walter W. Adams and E. M. Jerauld, all with J. C. Murrny, Peoria, Ills.; W. Atlee Burpee, Philadelphia, on his way West; J. E. Button, Denver, Col.; A. Forbes, of Peter Henderson & Co., and Miss Headworth, of Vaughan's seed store, New York; Carew Sanders and Ostertag Bros., St. Louis, Mo., the latter on their way East, and George Faber, of Kankakee, en route to Europe. Ess.

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1500 2½ " "	6.00	48 9 " "	3.60
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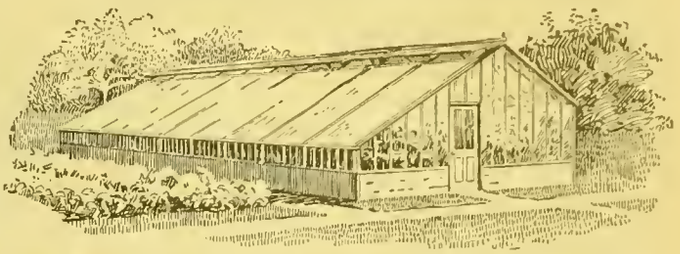

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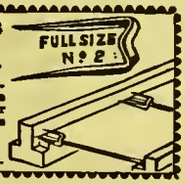

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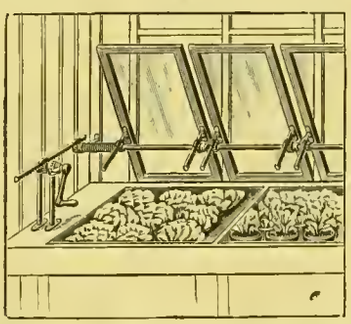

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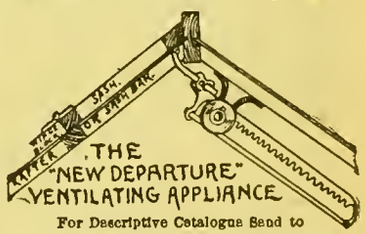

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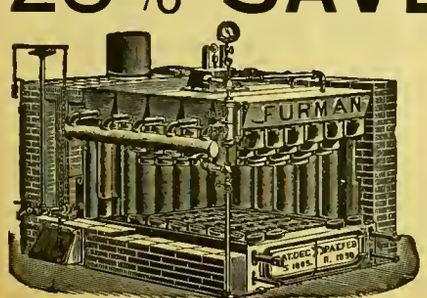

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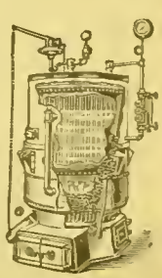

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Strong, stocky, just right for planting. Selected Drumhead, Flat Dutch, etc., etc., $1.00 per 1000; $4.00 per 5000.
TOMATO PLANTS, $1.00 per 1000.
RICHARD INSALL, Near Phila. MOORESTOWN, N.J
Mention the Florists' Exchange when writing.

8000 ROSES HEALTHY STOCK.

8000 nice plants of Brides and Bridesmaid, from 3 and 3½ inch pots, at $4.00 per 100, or $35.00 per 1000; 500 at 1000 rates.
Full line of BEDDING PLANTS cheap.
2000 Brides, Kaiserins and 'Maid roses, from thumb pots, ready for a shift, at $2.00 per 100. A bargain.
Will exchange some stock for Chrysanthemums.
Cash With Order.
W. T. HILLBORN, - Newtown, Bucks Co., PA.
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CHRYSANTHEMUMS

Mrs. O. P. Bassett, L. Boehner, Silver Cloud, Frank Hardy, A. T. Ewing, Mrs. Perrin, Marion Henderson, Mrs. H. Weeks, Minerva, Flor. Pullman, Simplicity, Glory of the Pacific, Eda Prass, Ivory, Pres. Smith, Miss M. M. Johnson, Pitcher & Manda, Cullingford, Pink Ivory, Fisher's Torch, Mrs. Ewan, Admiral Sampson, Perle of Lyonnaise and H. C. Avery.
Fine plant, from 2½ in. pots, $1.50 per 100.
Mammoth Verbenas, fine plants, from 2½ in pots $1.50 per 100.
Fuchsias, Speciosa and Black Prince, nice plants, from 2½ in pots, $2.50 per 100.
Geraniums, White Swan, Mme. Bruant, Contrast, S. A. Nutt, J. J. Harrison, Le Constable, Souv. de Mirande, Gen. Grant, Queen of the Fairies, W. A. Chaltant and Double New Life.
Ivy Geraniums, Galilee, Joan of Arc, La Rosaire, Mrs. Taylor, Lemon and Balm Scented.
Fine plants, from 2 and 2½ in. pots, $2.00 per 100.
Begonias, Alba Picta, Alba Perfecta, Hybrida, Marguerite, Dewdrop, Fuchsoides, Foliosa, Bertha, Carnot and McBethii, fine plants from 3 in. pots, $2.50 per 100. Extras added to help pay expressage.
FAIRVIEW FLORAL CO., Beatty, Ohio.
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VEGETABLE PLANTS

Fine, large stocky plants plants, ready to plant out.
Egg Plants, New York Improved.
Peppers, Bull Nose.
Tomato, Stone Improved.
Cauliflower, Early Snowball.
All at $2.00 per 1000. 500 at 1000 rate.
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'MUMS

About 2200 left, all from 2½ in. pots, in following varieties: White and Yellow Robinson, White and Yellow Monarch, Bonnaffon, Ivory, Barkemann, Polly Rose, Rose Owen, Glory of Pacific, etc.
Also GOOD CANNAS left in 450 3 in.
$2.00 per 100; $15.00 per 1000. Cash with order, please.
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HARDY CUT FERNS

Now in full bloom here, Fancy or Dagger, in one thousand lots, 50c.; all lots over 1000, 40c. Laurel Roping, 4c. a yard. Bouquet Green Roping, 4c per yard. Sphagnum Moss, 50c. per bbl.
All orders by mail or dispatch promptly attended to.
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Mention the Florists' Exchange when writing.

BOSTON FERNS

N. Exaltata Bostoniensis.
Small plants, $5.00 per 100 or $40.00 per 1000; large plants, $6.00 to $20.00 per 100.
—ALSO A FINE LOT OF—
Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 in. pots, $3.00 and $4.00 per doz.
Asparagus Plumosus, 2½ in. pots, $5.00 to $6.00 per 100; 3½ in. pots, $12.00 per 100.
Asparagus Sprengeri, 2½ in. pots, $5.00 to $6.00 per 100; 3½ in. pots, $12.00 per 100
Araucaria Excelsa, $1.00 to $2.00 each.
Rubber Plants, $4.00 per doz.
WM. A. BOCK, No. Cambridge, Mass.
Unknown correspondents will send cash with orders. Connected with Telephone.
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W F Gale 331 Main Jan 19

ROSES 'MUMS

GOLDEN GATES. Thrifty stock, from 2½ inch pots, $4.00 per 100; $35.00 per 1000. BRIDESMAIDS, $3.00 per 100; $25.00 per 1000.
From 2½ in. pots: Mrs. Henry Robinson, Mrs. O. P. Bassett, Ivory, Frank Hardy, Major Bonnaffon, $2.50 a 100. Willowbrook, best early white, $4 a 100.
PHŒNIX CANARIENSIS, from 5 and 6 in. pots, $3.00 per dozen; $20.00 per 100.
WM. B. SANDS, Lake Roland, - - BALTIMORE, MD.
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Asparagus Sprengeri 2 in. pots, $3 a 100.

	Per 100
Asters, Semple's branching, transplanted	$0.50
Asters, Queen of the Market, white...	.50
Browallia New Giant.....2½-inch "	3.00
Chrysanthemums, best commercial varieties, from 2½ inch pots.....	2.00
Coleus, Verschaffeltii, strong.....	3.00
Echeveria Secunda Glauca	4.00

	Per 100
Clematis Paniculata .....3-inch pots,	$5.00
Clematis, large flowering vars. 2-year-old plants, $3.00 a doz.	
Clematis Paniculata, strong, 4-inch pots, $1.50 per dozen.	
Echevera Glauca, strong plants in bloom, $1.50 per doz.	
Sempervivum Tectorum, $20.00 per 1000,	3.00

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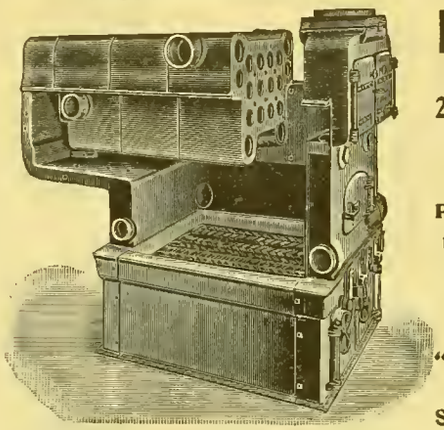
Horticultural Architecture and Building.



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Rosehouses, Greenhouses, Etc., of Iron Frame Construction erected complete or the Structural Iron Work shipped ready for Erection.
Iron Frame Benches with the "Perfect Drainage Bench Tile" for Slate Tops.
Send 4c. Postage for Illustrated Catalogue
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A LARGE CONSIGNMENT OF NEW DESIGNS JUST ARRIVED

For Commencements!

ORDER some of these, they are very suitable for the graduates and will sell in large quantities if suitably displayed. Send for illustrated price list of these and all other up-to-date goods in the Florist Supply line.

WHEAT SHEAVES, CYCAS LEAVES, CYCAS WREATHS, &c.

H. BAYERSDORFER & CO., Philadelphia, Pa.
50 to 56 North Fourth Street.
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DO NOT OVERLOOK THIS SPECIAL

TRADE AUCTION SALE

On TUESDAY, JUNE 26th,

At 54 and 56 Dey Street,

Of COMMERCIAL STOCK. consisting of Cocos, Kentias, Latanias, Boston Ferns, Rubbers, Cycas, Primulas, Carnations, Etc. Stock to grow on. An excellent opportunity to secure Good Healthy Plants for Fall Trade

CATALOGUES ON APPLICATION.

Mention this paper.

WM. J. ELLIOTT, Auctioneer.

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant.

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL.

Vol. XII. No. 25. NEW YORK, JUNE 29, 1901 One Dollar Per Year.

W. F. Gale
331 Main
Jan 31 '02

LIST OF SURPLUS STOCK!

Acalypha, Musaica and Marginata, $6.00 per 100.

Ageratum, Cope's Pet and White Cap, 2¼ in. pots, $2.50 per 100.

Alternanthera, Aurea Nana, 2¼ in. pots, $2 50 per 100.

Alyssum, Tom Thumb and Double-flowering, 2¼ in. pots, $2 50 per 100.

Asparagus Sprengeri, extra heavy, 2¼ in. pots $4 per 100; 3½ in. pots $8 per 100; also very large specimens, in 8 in. pots, $1.00 to $2.00 each.

Banana, Abyssinian (Musa Ensete), strong plants, 6 in. pots, 50c. each; or large specimens in tubs, extra large, 4 to 6 ft. high, from $3 00 to $5.00 each.

Bay Trees, Pyramids and Standards, fine plants, about 3 ft. in diameter, $10.00 each.

Begonia, Rex. We have a fine stock of these, an elegant variety, and fine, strong plants, from 2¼ in. pots, $4.00 per 100; also Flowering and Fancy-leaved sorts, assorted, 2¼ in. pots, $4.00 per 100.

Boston Fern, large plants, 10 in. pans, very fine. $2.00 each.

Boxwood, trimmed in pyramidal shape, fine specimens, 3 to 4 ft. high, $2.00 each.

Cannas, strong plants, assorted kinds, 4 in. pots. $8 00 per 100.

Caladium Esculentum, extra strong plants, in 6 in. pots, started, with fine tops, $12.00 per 100. Dormant Bulbs, $3.00 to $6 00 per 100, according to size.

Castor Oil Bean, strong plants, 3½ in. pots, $6.00 per 100

Chrysanthemums, Hardy Garden, or Pompon, $3.00 per 100.

Cobea Scandens, 2¼ in. pots, $6 00 per 100.

Coleus, assorted, $2.50 per 100.

Dracæna Indivisa, extra large plants, for vases, very heavy, 8 in. pots, 3 ft. high, $1.00 each; 9 in. pots, 3½ to 4 ft. high, $2.00 each; 10 in. pots, 4 ft. and up in height, $3.00 each.

Ficus Elasiica (Rubber plants), 1½ to 2 ft. high, $6.00 per doz.; 2 to 2½ ft high, $9 00 per doz.; about 3 ft. high, $1.00 each.

Fuchsias, finest named sorts, 2½ in. pots, $3.00 per 100.

Geraniums, assorted, 3½ in. pots, $8.00 per 100.

Heliotrope, 3½ in. pots, $6.00 per 100.

Heuchera Sanguinea, 2¼ in. pots, $3 00 per 100.

Hydrangeas, just coming into bud, for July and August blooming, large plants, in tubs, $1.50 to $2.00 each.

Ivy, English, 3½ in. pots, good tops, $12.00 per 100.

Lobelia, Compacta and Gracilis, 2¼ in. pots, $2.50 per 100.

Nasturtium, Tom Thumb, fine, strong plants, 3½ in. pots, bushy, $6 00 per 100.

Nephrolepis Cordala Compacta. We have a fine stock of this, and plants are extra heavy and exceedingly good value, extra strong plants, 2½ in. pots, $5.00 per 100; strong, 4 in. plants, $3.00 per doz; extra strong, 6 in plants, $6.00 per doz.

Pandanus Veitchii, fine plants, in 6 in., 8 in. and 10 in. pots, $1 00, $2.00 and $3.50 ea.

Phlox, Large-flowering, fine assortment, 2¼ in pots, $3 00 per 100.

Pinks, Hardy Garden, 2¼ in. pots, $3.00 per 100.

Roses, assorted, 3½ in. pots, for summer-flowering—Maman Cochet, White Maman Cochet, Clothilde Soupert, Hermosa, Duchesse de Brabant, Bon Silene, etc., $3.00 a 100.

Rudbeckia Laciniata, extra strong, 3½ in. pots, $6.00 per 100.

Salvia Splendens, 2¼ in. pots, $3.00 per 100; Golden, 2¼ in. pots, $4.00 per 100; New Golden-Leaved Tom Thumb, $3.00 per 100.

Vinca, Major and Elegantissima, extra strong plants, 2¼ in. pots, with long tops, $5 a 100.

F. R. PIERSON CO., Tarrytown-on-Hudson, N.Y.

AUCTION SALE

Friday, June 29th, 9:30 A.M.

15,000 BOSTON FERNS From bench, suitable for 3, 5, 6 and 7 inch pots, now selling from 5 cts. to 25 cts. each.

20,000 YOUNG ROSE PLANTS—

The entire stock of **W. H. ELLIOTT, Brighton, Mass.,** the largest grower of this stock in the country. Send bids if unable to attend.

500 **GRAFTED Brides and 'Maids, in 6 inch pots,** 2 feet high, the finest lot of plants ever sold in Boston.

500 " **Kaiserin,** from 4 inch pots.

300 " **Meteors,** " 4 "

A fine lot of **LIBERTY,** grafted and own root stock.

3000 **Perles,**
2000 **Kaiserins,**
500 **Carnots,**
} LARGE, FINE PLANTS FOR SUMMER BLOOMING.

12,000 **BRIDES** and **'MAIDS,** fine stock from 2¼, 3½ and 4 inch pots.

All this stock will be sold without reserve.

Do not miss this opportunity to **fill your empty houses** with an exceptionally fine lot of ROSES and FERNS at a very low figure.

N. F. McCARTHY & CO., Auctioneers, Boston, Mass.

84 HAWLEY STREET.

BULBS WILL BE HERE SOON!

SEND US YOUR LIST OF WANTS in Romans, Narcissus Paper White, Lilies and Dutch Bulbs, WE CAN MAKE YOU PRICES THAT ARE INTERESTING.

Just to hand for Christmas forcing:

FREESIA REFRACTA ALBA (TRUE) 1st size.....$5.00 per 1000
Xtra size..... 7.00 per 1000
Monster bulbs, 8 00 per 1000

PANSY SEED PLANT NOW. Our "Connecticut" strain is unsurpassed, it has been grown for us by a leading specialist. $1 00 per trade pkt.; $6 00 per oz.
Benary's "Non Plus Ultra" the best German strain, $1.00 per trade pkt.; $8.00 per oz.

PRIMROSES, Giant Fringed, Finest English Strain Mixed, 75c. per trade pkt.; White, 75c. per trade pkt; Crimson, Pink and Blue, separate, each, $1.00 per trade pkt.

CINERARIA GRANDIFLORA Prize Strain, tall.....$1.00 per trade pkt.
Prize Strain, dwarf..... 1.00 per trade pkt.

CALCEOLARIA HYBRIDA GRANDIFLORA, Spotted and mottled, mixed, $1.00 per trade packet

ASPARAGUS PLUMOSUS NANUS

Strong, transplanted plants, from seed bed, sown last January—2, 3 and more growths, well-rooted and ready for 2½ inch pots.

50 cts. per dozen; $3.00 per 100; $25.00 per 1000.

FREE DELIVERY UNITED STATES AND CANADA.

ASPARAGUS SPRENGERI SEED

50 cts. per 100, $4.50 per 1000.

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FINE 2 INCH STOCK FOR IMMEDIATE SHIPMENT.

At $3.00 per 100 Glory of Pacific, Mrs. O. P. Bassett, Ivory, Mrs. H. Robinson, Arline, Rose Owen, Mrs. R. McArthur, Dorothy Spaulding, Eureka, Quito, Mrs. H. Weeks.

At $4.00 per 100 October Sunshine, Independence.

At $5.00 per 100 Mrs. F. L. Button, Pride, Admiral Dewey, Willowbrook, Harry A. Parr, Robt. Halliday, Mavourneen.

Prices of other varieties upon application.

GERANIUMS

From 2½ inch pots.

Mme. Jaulin . . . . . $3.50 per 100
Mars . . . . . 5.00 per 100
Surprise, Marquis de Montmort, H. Dauthenay, $4 00 per 100.
Double H. Jacoby . . $10.00 per 100
IVY GERANIUMS—A fine collection from 2 inch pots.

CARNATIONS

Fine Stock Now Ready.

	Per 100	1000
G. H. Crane	$6 00	$50 00
Gen. Maceo	6 00	50 00
Gen. Gomez	5 00	40 00
Mrs. James Dean . .	3 00	25 00

Other varieties all sold.

NEW RUSSELIAS ELEGANTISSIMA and MULTIFLORA. The two finest vase plants of recent introduction, 2 in. pots, $5.00 per 100; 3 in., $8.00 per 100.

THE COTTAGE GARDENS, C. W. WARD, Manager, **Queens, N.Y.**

RUSTIC HANGING BASKETS



	Each	Dozen
Diameter of Bowl, 10 inches . . .	$0 90	$10 00
Diameter of Bowl, 12 inches . . .	1 15	12 00

RUSTIC SETTEES

Made of Red Cedar, strong and ornamental, $7.00 each.

RUSTIC VASES

Red Cedar, $4.00 each. White Birch, $4.00 eacn.

BAMBOO CANES

6 to 8 feet long, can be cut to any desired length, $1.00 per 100; $6.00 per 1000.

Mention this paper. **WM. ELLIOTT & SONS, 54 and 56 Dey St., N. Y.**

SEEDS, BULBS, and PLANTS.

Hyacinths, Tulips, Narcissus, Crocus, Lilies, Etc., Etc.

SPECIAL PRICES ON APPLICATION.

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ESTABLISHED 1802

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Kentia Belmoreanna, per 1000, $4.00; 5000 to 10,000, $3.50; 10,000 and over, $3.00.

Kentia Fosteriana, per 1000, $4 00; 5 00 to 10,000, $3.50; 10,000 and over, $3 00.

Licula Grandis, $3 00 per 1000.

Also CYCAS REVOLUTA STEMS, in assorted sizes, 3 lbs. to 12 lbs., $8 per 100 lbs., while unsold.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

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Of all BULBS and PLANTS required next Fall and receive SPECIAL LOW QUOTATIONS from

HULSEBOSCH BROS., Englewood, N. J.

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NOW IS THE TIME TO BUY

GALVANIZED STEEL **PLANT STAKES**

For Roses and Chrysanthemums. We are Headquarters. Let us give you an **estimate on your wants.**

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WHOLESALE PRICE LIST OF SEEDS, BULBS &c. ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS

PRIMULA SINENSIS FIMBRIATA

(CHINESE PRIMROSE.)

Village Maid, white striped.
Cærulea, blue.
Magenta Queen, magenta.
Alba Magnifica, white.
Chiswick Red, bright red.
Coccinea Superba, crimson.
Giant Market, red.
Giant Rose.

} 25c. per pkt. of 100 seeds.

CINERARIA, James' Giant Strain.....per pkt. (250 seeds), 50 cts.

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Selected Stocks for Present Sowing and Planting.

Turnips, Cucumbers, Melons

Special Prices to Dealers.

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Our bulb stocks, now covering an area of over 150 acres, are by far the largest in Holland.

Established 1830.

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FRESH ON HAND.

	100	1000	3000
Phœnix Tenuis	$0.75	$5.00	$13.50
" Pumila	1.00	8.00	22.50
Pandanus Utilis	1.25	10.00	27.50
Asparagus Plum. Nanus, true..	1.25	9.00	26.50
" Sprengeri	.75	6.50	18.00

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FREESIAS PAY FLORISTS WELL

Delivery July. ORDER NOW.

BERMUDA AND FRENCH—PURE WHITE, GUARANTEED.

	100	1000
⅜ to ½ inch diameter	$0.50	$3 75 per 1000.
½ to ¾ "	75	6 00 "
Mammoth Bulbs	$1 00	8 00 "

CALIFORNIA FREESIAS—PURE WHITE, YELLOW THROAT.

	100	1000
⅜ to ½ inch diameter	$0.40	$2.50 per 1000.
½ to ¾ "	.60	4.00 "
Mammoth Bulbs	.75	6.00 "

Extra fine stock LILIUM HARRISII will be ready in July.

SEEDS TO BE SOWN NOW.

PRIMULA SEED EUROPEAN Prize Strains. Largest flowers, brilliant coloring.

Very choicest mixed	20c.	$1.50
Kermesina Splendens, the richest red	20c.	1 50
Alba Magnifica, the very best white	20c.	1.50
Atrosanguinea, blood red	20c.	1.50
Cærulea, beautiful "TRUE BLUE"	20c.	1.50
Double Primula, mixed	75c.	5.00

CINERARIA Giant Flowering, Choicest Mixed, medium tall, packet, about 500 seeds, 25c.; 5 pkts, $1.00

Cineraria Dwarf, extra giant flowering, pkt., about 500 eds., 25c. " 1.00

Calceolaria, Giant, per packet, 25 cts.
" Rugosa, shrubby, packet, 25 cts.

CYCLAMEN GIGANTEUM Fresh crop pure white, white with red eye, brilliant crimson, Rose of Marienthal; 100 seeds, 75c.; 1000 seeds, $5; Mixed, 100, 60c.; 1 00, $4.50.

PANSIES Our Giant Exhibition Strains, in separate colors, 1000 seeds, 25c; 5000 seeds, $1. Trimardeau, Bugnot, Odier, Cuasier, 1000 seeds, 25c.; 5000 seeds, $1.00.

ASPARAGUS SPRENGERI SEED, choice fresh crop.....100 seeds, 50c.; 1000 seeds, $4.00.

NOW READY:—Our complete New Catalogue for Summer and Fall Bulbs, etc. We will be pleased to send estimates on your wants in Bulbs, Azaleas, Spiræas, etc., for Fall deliveries. ADDRESS

H. H. BERGER & CO. (ESTABLISHED 1878), **47 Barclay Street, New York.**

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FREESIA BULBS

¼ to ⅜ inch diameter.....$0 75 per 1000
⅜ to ½ inch diameter..... 1 75 per 1000
½ to ¾ inch diameter..... 3 50 per 1000

The smaller bulbs will prove as satisfactory as the larger if planted early. Bulbs ready for immediate delivery.

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VAUGHAN'S INTERNATIONAL.

Best strain for florists, includes Giants, Fern Leaved, Blue, etc., besides best Reds, Pinks and Whites, pkt., 350 seeds, 50c.; 5 pkts., 1750 seeds, $2.25.

SEPARATE SHADES:

GIANT PINK, GIANT PURE WHITE, CHISWICK RED, SKY BLUE } Trade Packet, 50 Cents.

OBCONICA GRANDIFLORA, tr. pkt., 25c.

CYCLAMEN.

Giant, Pure White, Deep Crimson, Rose von Marienthal, splendid pink, white carmine eye, per 100, 75c.; per 1000, $5.00.

VAUGHAN'S INTERNATIONAL.

Cream of the world's best stocks. Per oz., $10.00; ½ oz., $1.50; trade packet, 50c.

Giant Mixture, contains all the best Giant strains, oz., $4.00; ½ oz., 60c.; packet, 50c.

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VAUGHAN'S INTERNATIONAL. Choicest French, English and German strains, perfect in form and substance of flowers and habit of plants, trade pkt., 1000 seeds, 50c.

OUR IMPORT BULB LIST NOW READY. A complete catalogue of **Fall Bulbs of Best Quality, Lilies, Hyacinths, Tulips, Etc.** Send for a copy.

10 per cent. off for cash with order.

NEW YORK—**VAUGHAN'S SEED STORE**—CHICAGO
14 BARCLAY STREET. 84 and 86 RANDOLPH STREET.

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ROEMER'S SUPERB PRIZE PANSIES

The finest strain of Pansies in the World.

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Highest Award, International Exhibition, Hamburg, 1897. Catalogue free on application.

FRED. ROEMER, Seed Grower,
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Pansy Seeds

Fresh crop, Vautier's mammoth; it is the best strain in every respect; 120 varieties, colors, and markings mixed; flowers are often 3 to 4 inches in diameter and smell like violets; 30 seeds, $1.00; 1 oz., $4.00.

Shellrond Greenhouses, Grange P. O., Balt., M

Mention the Florists' Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

WHOLESALE PRICE LIST FOR FLORISTS AND MARKET GARDENERS

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Danish Cauliflower Seed

Early Dwarf Danish Snowstorm, selected up and grown by the leading specialist of Denmark. Always uniform; fine large white heads, early. No better seed offered at any price.

One Quality Only. The Best.
$2.50 Per Ounce. Per Ounce, $2.50.

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MICE-PROOF SEED CASES and DRAWERS.

Send for Catalogue.

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CALADIUM ESCULENTUM

(Elephants Ear).

-6 inches circumference	per 100,	$0.75
-9 "	"	1.25
-10 "	"	2.50
Tuberoses, Pearl, 4-6 inch	"	.50

H. G. FAUST & CO., 61 & 66 N. Front St. **PHILA., PA.**

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California Saved Palm Seeds, Etc.

FRESH ON HAND.	100	1000	5000
Phœnix Canariensis		$0.50	$2.00
" Reclinata	$0.25	2 00	8.75
Asparagus Sprengeri	.65	4.50	20 00
Bruhea Glauca	per pound, 75c.		
" Edulis	" 75c.		
Chamærops Excelsa	" 40c.		

Coreopsis Lanceolata.....per pound, $1.25

Australian Salt Bush (Atriplex Semibaccatum), per pound, 75c.; 50 lb. lots, 60c.; 100 lb. lots or over, 50c.

Now Booking Orders for

CALLAS AND FREESIAS.

Send for Quotations.

GERMAIN FRUIT CO., Los Angeles, Cal.

Mention the Florists' Exchange when writing.

XXX SEEDS

CHINESE PRIMROSE

Finest large-flowering fringed, single and double, thirteen varieties, mixed, 500 seeds, $1.00; ½ packet, 50c.

CINERARIA GRANDIFLORA NANA

The finest large-flowering dwarf varieties, very showy, in choicest mixture, 1000 seeds, 50 cts.

PRIMULA OBCONICA GRANDIFLORA HYBRIDA

The very finest of the improved Obconicas; large-flowering and choice colors, truly grand, 1000 seeds, 50 cts.

PANSY—FINEST GIANTS

The finest large-flowering varieties to be had; best colors and strong growing, in choicest mixture, 3500 seeds, $1.

A packet of the Grand New Forget-Me-Not "Triomph," added to every order.

The Home of Primroses, JOHN F. RUPP, Shiremanstown, Pa.

Mention the Florists' Exchange when writing.

CINERARIA—CALCEOLARIA—PANSY

Cineraria, James's Giant Strain, the finest strain offered; per pkt, 50c.; ½ trade pkt, 60c; trade pkt, $1.00. **Calceolaria, James's Giant Strain,** unsurpassed; half trade pkt., 30c; trade pkt., 60c. **Pansy, Johnson & Stokes' Kingly Strain,** comprise all the giant sorts of merit, per pkt., 25c.; ½ trade pkt, 30c; trade pkt, 50c.; oz., $5.00.

ASPARAGUS SPRENGERI, 100 seeds, 50c.; per 1000 seeds, $4.00.

ASPARAGUS PLUMOSUS NANUS, 100 seeds, $1.00; per 1000 seeds, $9.00.

JOHNSON & STOKES, Seedsmen, 217 & 219 Market St., PHILA., PA.

Mention the Florists' Exchange when writing.



Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALEXANDER ROGERS, Chicago, Ill., President; ALBERT MCCULLOUGH, Cincinnati, First Vice-President; F. W. BOLGIANO, Washington, Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

Echoes from the Convention.

Among the many good things heard in the corridor are the following as regards the state of trade throughout the country:

Allan, John H. Seed Company, Picton, Ont., report very large orders and the condition of the trade most favorable, but the prospects for the coming crops very poor. In some districts too much rain, in others too little. There appears to be a series of extremes in all parts of the country of their seed-growing sections.

W. W. Barnard & Co., Chicago, Ill., report a very satisfactory trade, both in increase of business and increase of profits.

Frank Barteldes, of F. Barteldes & Co., Lawrence, Kan., is always jolly, good natured and of good cheer. He is not only happy in regard to the state of business, but endeavors to make everybody else happy. Judging from his standpoint trade could not be better.

Buffalo Seed Warehouse, Buffalo, N. Y., L. H. Manly, manager, report a healthy steady increase in their business with satisfactory profits. This is a growing house, evidently in the race to win.

F. W. Bolgiano, Washington, D. C., says business is steadily increasing and prospects all that could be desired.

Jos. Breck & Sons, Boston, Mass., report trade in a satisfactory condition, an increase being noted, particularly in the wholesale department.

Alfred J. Brown, Grand Rapids, Mich., says our prospects are good, business increasing. Our output of seeds is suffering from the weather. Too much water in some places, too little in others.

C. S. Clark, Wakeman, O., is the grower for the trade generally. The steady increase in business all over the country proportionately benefits him.

Comstock, Ferre & Co., Wethersfield, Conn., tell us that in all lines of their business there has been a steady, healthy increase, the outlook being good. It is yet too early to speak of their growing crops.

L. J. Coryell, Oshwa, Ont., who is exclusively a pea and bean grower, reports more business than seed on the outlook of the unfavorable crop.

S. G. Courteen, Milwaukee, Wis., is in the same condition as the rest of the pea and bean growers.

Currie Brothers, Milwaukee, Wis., say they have had a remarkably fine trade. They do not belong to that class known as the "Western rushers," but confine themselves wholly to the first-class retail market gardeners' trade. Their object is not to sell quantity, but quality.

F. H. Ebeling, Syracuse, N. Y., has no complaints to make, and from the appearances in his store he has no reason to make any. Business brisk, profits good.

W. H. Grenell, Pierrepont Manor, N. Y., reports a healthy, steady increase of business; like all other pea and bean growers he is very anxious about the coming crops, because of the present climatic conditions, which are very unfavorable.

The Cleveland Seed Company, Cape Vincent, N. Y., S. M. Pease, general manager, reports business in a satisfactory condition, steadily increasing, and is very hopeful.

The Illinois Seed Company, Chicago, Ill., have added vegetable seeds to their extensive business in grass and grain seeds, and report trade very satisfactory.

The Iowa Seed Company, Des Moines, Ia., Mr. Page, manager, reports business very satisfactory and a large increase over last year. They are beginning to get more satisfactory prices.

Johnson & Stokes, Philadelphia, Penn., say business is generally very good.

A. C. Kendel, Cleveland, O., needed not to say one word, his countenance only too plainly indicated a satisfactory business.

S. F. Leonard, Chicago, Ill., has arisen, "Phoenix-like," from the flames that destroyed his warehouse last year. His new establishment, in Monroe street, is commodious and well adapted for his largely increasing business. His shipping facilities are admirable.

Mangeldorf Brothers' Company, Atchison, Kan., are satisfied with the growth of their business; they say that to go West is one of the secrets of success.

L. L. May & Co., St. Paul, Minn., were too busy to attend the convention, but not too busy to say that the business outlook is all that could be desired.

J. M. McCullough Sons, Cincinnati, O., state that trade is very satisfactory in most lines. They are growing not only in the volume of their business, but in the profits.

J. Chas. McCullough, Cincinnati, O., can say ditto to every point of the above.

J. G. Peppard, Kansas City, Mo., like all other Western dealers, is cheerful and happy, which means good business.

J. B. Rice & Co., Cambridge, N. Y. Jerome is ever hopeful and good natured. This year he is particularly so, the margins of profit having materially increased as well as the volume of business.

J. C. Robinson, Waterloo, Neb., says that there is no question as to the volume of business; the only question is supply, which at this date is a little too early to predict, as their vine seeds are not yet all planted.

Alexander Rodgers, Chicago, Ill., is the "Mark Tapley" of the seed business, always jolly, no matter whether the profits are large or small; but it is very easy to see that trade is perfectly satisfactory.

Rush Park Seed Company, Independence, Ia., whose business has been changed quite often of late as to the management and condition, report a very excellent business and are well satisfied with the situation.

J. A. Salzer Seed Company, La Crosse, Wis., gave us to understand they were too busy to attend the convention, and that business this year had been unusually good.

Corneli-Schisler Seed Company, St. Louis, Mo., report a steady increase of trade and everything very satisfactory.

R. H. Shumway, Rockford, Ill., is one of the few firms doing a mail business almost exclusively, but reports a large increase, more particularly over the past year.

Steele Briggs Seed Company, Toronto, Canada, report business in a very satisfactory condition.

Frank Seberger, seed merchant, although not long established in business, says that prospects are bright and business constantly increasing.

Trumbull Seed Company, Kansas City, Mo., report a steadily-increasing trade.

J. C. Vaughan, Chicago, Ill., has had a much better business this year than last, particularly in the wholesale department, and the trend of the times is for a more profitable trade than in the past, and he is in no wise discouraged.

James Vick & Sons' Company, Rochester, N. Y., report their business this year very satisfactory.

T. W. Wood & Sons, Richmond, Va.—The senior member of this firm no longer takes an active part in the management of the business, but regards it as one of his specials. The junior members are wideawake, and report trade to be in a very healthy and prosperous condition.

J. Steckler Seed Company, New Orleans, are successors to the late Richard Frotchser. This was Mr. Steckler's first appearance at the convention. He reports a very prosperous business, and will undoubtedly keep up the enviable reputation held by the late Mr. Frotchser.

It was impossible for want of time to have a personal conversation with a large number of the members present, but it is plain to be seen that the seed business in general is on the line of improvement. Many regrets were expressed that some in the trade should have wantonly cut prices, for which there was no excuse, particularly as during the past year there was an opportunity for an increase. We believe that all who are doing a strictly seed business, either in bulk or in package, have had a good season. If any have suffered to a very great extent, it is those who confine themselves to the mail trade, and many of these seem to be well satisfied, while the few remark that business is no better than it ought to be.

Upon their return from the boat ride on the Hiuda and visit to the controlling works at the terminus of the drainage canal, the members of the American Seed Trade Association gathered in the parlors of the Grand Pacific, and President Albert McCullough summoned before them with great solemnity Mr. Alexander Rodgers, the retiring president of the association. The President having presented himself before the august tribunal of ladies and gentlemen, Mr. J. E. Northrup stepped forward and produced a handsome gold-mounted cane, accompanying its presentation with the following poetical address:

The members here present—about fifty-six—
Have selected, from various walking-sticks
This one, of rare and tasteful design,
To give to our President of old '99.

'Tis the wish of each one in presenting this gift,
(Towards the purchase of which we all gave a lift),
That your life may be long and full of true joy,
That your years may be happy and without alloy.

But whate'er the weather, be it sunshine or rain,
May you find firm support in this beautiful cane!

CATALOGUES RECEIVED.

QUAKER CITY MACHINE CO., Richmond, Ind.—Illustrated Catalogue of Evans' Improved Challenge Roller Bearing Ventilating Apparatus. The long list of users of this ventilating system, supplied in the catalogue, testify to the popularity of the appliances.

DAMMANN & CO., San Giovanni a Teduccio' Italy.—Catalogue of Bulbs, Roots, Plants, etc.

ROSES FOR SALE

The following varieties, from 2 inch pots, $3.00 per 100; $25.00 per 1000.

Merville Graham,	Queen's Scarlet,	Perle des Jardins,
Blanche Moreau,	Queen,	Crimson Globe,
La France,	Mme. Schwaller.	Lævigata,
Souv. de Jeanne Cabaud,	Antoine Verdier,	Henry Martin,
Capt. Christy,	H. M. Stanley,	Gen. Iob't E. Lee,
Malmaison,	Maman Cochet,	Catharine Mermet,
Mrs. Degraw,	Mme. Abel Chatenay,	Mme. Cecil Brunner,
Bon Silene,	Pink Daily,	Beauty of Stapleford,
Coquette de Lyon,	White Maman Cochet,	Princess Adelaide,
Mme. F. Kruger,	La Princess Vera,	Little White Pet,
Marie Van Houtte,	Champion of the World,	Hon. Geo. Bancroft.

The following varieties, from 2 inch pots, $3.00 per 100; $25.00 per 1000. Also from 3 and 4 inch pots, $8.00 per 100; $70.00 per 1000.

Lamarque,	Mary Washington,	Parquarette,
Marechal Niel,	Child's Jewel,	Snowflake,
Golden Gate,	Countess Riza du Parc,	Hallowe'en,
Niphetos,	Duchesse de Brabant,	Highland Mary,
Bride,	Meteor,	Marie Guillot,
Climbing Meteor,	Sombreuil,	George Pernet,
Moselle,	Mignonette,	Bridesmaid,
White La France,		Glory de Polyantha.

The following varieties, from 4 inch pots only, $8.00 per 100; $70.00 per 1000.

Celine Forestier,	Pearl d'Or,	Mme. Caroline Testout,
Rainbow,		White Pearl of the Garden.

CLIMBING KAISERIN AUGUSTA VICTORIA, 3 inch pots...$10.00 per 100
AMERICAN BEAUTY, 3 inch pots..... 10.00 "

GERANIUMS, in variety, 3 and 4 inch.....$6.00 per 100.
VINCA VARIEGATA, very low, order quick..... 6.00 "

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Mention the Florists' Exchange when writing.

ALTERNANTHERAS

P. Major, 2 inch pots, $1.75 per 100; **A. Nana,** 2 inch pots, $1.50 per 100.

COLEUS.

2 inch pots, **Crimson Verschaffeltii, Golden Queen** or **Bedder,** or mixed, $1.50 per 100.
CASH WITH ORDER.

C. A. HARRIS & CO., Delanson, N. Y.

Mention the Florists' Exchange when writing

PANSIES

From Seed Bed, $3.50 per 1000.

A Good assortment of **Hardy Plants** in Spring and Fall, such as Coreopsis, Vernonica, Iris, Funkia, Lemon Lily, Aster, Phlox, Helenium A. Superbum, Lychnis, Larkspur, Digitalis, Antirrhinum, Mymanis, Mist and other hardy stock. Cash with order, please.

W. C. JENNISON, Natick, Mass.

Mention the Florists' Exchange when writing.

PANSY Giant Trimardeau, fine mixed, trade pkt., 25c.; oz., $2.00; lb., $20. Giant, fine mixed, oz., $4.00; Giant Yellow, oz., $2.50. Mme. Perret, the finest giant pansy in the market, trade pkt., 25c.; oz., $4.00. Mlle. Cecile Davy, the purest white, trade pkt., 25c.; oz., $4.00. Giant Bugnot, oz., $3.00; Giant Cassier, oz., $3.50; Excelsior Novelty, pkt., 50c. **Cineraria,** fine mixed, trade pkt, 35c. **Primula Chinensis,** fine mixed, trade pkt., 25c. Ten separate colors of primulas, trade pkt., 50c. Colored plate of pansy Mme. Perret by mail, 15c.

BEAULIEU, Walker Av., WOODHAVEN, N.Y.

Mention the Florists' Exchange when writing.

Pansies Worth Raising

Small plants all sold.

Now left but flowering plants from field, at $2.00 per 100, and up.

C. SOLTAU & CO., 199 Grant Avenue, **Jersey City, N. J.**

Mention the Florists' Exchange when writing

PANSIES

The Jennings Strain

Of large flowered show and fancy Pansy Seed. New crop now ready. My 1900 Strain cannot be excelled, and is sure to give the highest satisfaction.

Finest Mixed, pkt., $1.00; ½ oz., $2.50; 1 oz., $5. **Yellow, White, Blue and Black,** in separate colors, 5c. per pkt., postpaid. Small Pansies, 60c. per 100, by mail.

Cash with order.

E. B. JENNINGS, Lock Box, 254, **Southport, Conn**
Grower of the finest Pansies.

Mention the Florists' Exchange when writing.

Best Quality at Lowest Rates.

ROMAN HYACINTHS,

NARCISSI, FREESIA,

and other French Bulbs for forcing.

BERNARD SON, 29 Boulevard du Musée, Marseille, France.

Bulb Grower and Exporter.

Established 1872. Bulbfields-Hyères, Ollioules.

WHOLESALE ONLY.

Mention the Florists' Exchange when writing.

CALIFORNIAN SEEDS

Contract Prices for 1900 Harvest on Application.

WHOLESALE ONLY.

PERRY WATSON & CO., Sacramento, Cal.

Mention the Florists' Exchange when writing.

MANETTI.

Suitable for grafting. Secure it now and save disappointment.

HIRAM T. JONES, Elizabeth County Nurseries, Elizabeth, N. J.

Mention the Florists' Exchange when writing.

CRIMSON CLOVER SEED, growers prices.
CELERY PLANTS only $1.00 per 1000.
CABBAGE and Potted Strawberry Plants.
Circular free. SLAYMAKER & SON, Dover, Del.

Mention the Florists' Exchange when writing.

VEGETABLE PLANTS.

TOMATO PLANTS, STONE, PERFECTION, PARAGON, $1.00 per 1000.
CABBAGE PLANTS, EARLY JERSEY WAKEFIELD, EARLY SUMMER, SUCCESSION, $1.00 per 1000

M. E. HARGADINE, - Felton, Del.

Mention the Florists' Exchange when writing.

THE PINEHURST NURSERIES,

OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.

Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda nitida, Fothergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Dionæa muscipula, Lupinus diffusus, Phlox subulata, Sarracenias, etc., etc. Ask for Trade Liste.

Mention the Florists' Exchange when writing.

AMPELOPSIS VARIEGATA

(Variegated Grapes)

One of the most desirable Hardy Climbers, rapid grower, foliage green, white and pink, furnished in Autumn with berries in color from white to dark purple; sprays work in to good advantage for bouquets and floral designs; one of the best retailing plants in existence. Strong plants, $1.50 per doz; rooted cuttings, 50c. per doz

Semple's Asters, separate colors, white, shell pink, lavender, rose and purple, $2.75 per 1000; above colors mixed, greatest percentage white, $2.0 per 1000; Queen of the Market, mixed, $2.50 per 1000.
Lace Fern, mailing size, $2.50 per 100.
English Ivy, 2½ inch, strong, $3.50 per 100.
Drnczena Indivisa, 3 inch, $5.00 per 100.
Samples of each, 25 cts.

CASH WITH ORDER. EXPRESS PREPAID.

A. & G. ROSBACH, Pemberton, N. J.

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM,
PÆONIES, BLEEDING HEART,
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing

TOMATO PLANTS

FOR SALE—25,000 Transplanted Tomato Plants, 8 and 10 inches high. All kinds, at $6.00 per 1000.

BRIDGEPORT CUT FLOWER COMPANY,

454 and 456 Main St., Bridgeport, Conn.

Mention the Florists' Exchange when writing.

VEGETABLE PLANTS

Fine, large plants, ready to plant out.

CABBAGE 5 leading varieties $1.00 per 1000.
BRUSSEL SPROUTS $1 per 1000.
CAULIFLOWER H. Early Snowball, $1.50 per 1000.
PEPPERS Bullnose and other varieties, $1.50 per 1000

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

SURPLUS FOR SPRING 1900

Can yet do PEACHES and JAPAN PLUMS in limited quantity; also MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY STRAWBERRIES from best leading varieties. Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.

ALEX. PULLEN, PROPRIETOR.

Mention the Florists' Exchange when writing.

FOR FALL DELIVERY.

FIELD-GROWN ROSES, CLEMATIS, ORNAMENTAL SHRUBS, TWINING PLANTS, Etc.

Our travelling representative, Mr. J. Austin Shaw, is now in the vicinity of CHICAGO, and we shall be pleased, on request, to have him call upon any prospective purchasers.

JACKSON & PERKINS CO., Newark, New York.

Mention the Florists' Exchange when writing.

CABBAGE. CABBAGE

H. Succesaion, Early and Late Flat Dutch, Drumhead, Savoy and other varieties, field-grown plants, 15cts. per 100; $1.00 per 1000; $8.50 per 10,000.

CELERY White Plume, Golden Self Blanching, Giant Pascal, New Rose and other varieties; 10 acres will soon be ready, 15 cts. per 100; $1.00 per 1000; $8.50 per 10,000. (Large enough now for transplanting at 75 cts. per 1000.)

TOMATO Stone, Paragon, Royal Red and other varieties, field-grown, 15 cts. per 100; $1.00 per 1000; $8.50 per 10.000.

Any of the above plants by mail, add 10 cts. per 100. Cash with order.

R. VINCENT JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing

F. & F. NURSERIES SPRINGFIELD, NEW JERSEY.

Wholesale Growers. TREES AND PLANTS in full assortment. Trade Catalogue Free.

Mention the Florists' Exchange when writing

ANDORRA NURSERIES

WILLIAM WARNER HARPER, Prop., Chestnut Hill, Philadelphia, Pa. SPECIALTIES: Large Specimen Ornamental Trees. Large Hardy Rhododendrons and Azaleas.

Mention the Florists' Exchange when writing.

THE STORRS & HARRISON CO., Painesville, Ohio

Desire to call the attention of Florists and Nurserymen to their 40 acres of HARDY ROSES, their complete assortment of FRUIT and ORNAMENTAL TREES and SHRUBS, and their 44 Greenhouses of ROSES, PALMS, FICUS, FERNS, ETC.

Correspondence and personal inspection solicited. Trade List and Catalogues free.

Mention the Florists' Exchange when writing

TREES

Fruit Trees, Small Fruits, including grapes. Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, MT. HOPE NURSERIES, 61st year. Rochester, N. Y.

Mention the Florists' Exchange when writing.

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN

WILSON J. PETERS, Troy, O., President; D. S. LAKE, Shenandoah, Ia., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

Echoes from the Nurserymen's Convention.

It is generally conceded that the convention held in Chicago last week was the best attended in many years, some asserting the best since the florists started a separate society in 1881, drawing away florists that in former days met with the parent body. One of the strong traits of the nurserymen's convention is close attention to business, with a large share of the time taken up between meetings in business talk and trade. There is no doubt but this is an important factor in bringing them together.

An unusually good feeling was manifested over the improved trade conditions existing among nurserymen this year, and, prospectively, for the coming one.

In the prospectus given out, which N. H. Albaugh, in his reminiscences evidently followed, it was stated that the present was the silver, or 25th, year of the society's existence. This, however, is not the fact. Did Mr. Albaugh get mixed up in the same way as the twentieth century correspondents awhile back all over the country? This was the twenty-fifth convention, as one was held at the society's formation in 1876, but we are now in the twenty-fourth year of the life of the society, and will not reach the silver anniversary until 1901. The society's first conception was at a meeting of the Northern Illinois Horticultural Society, in January, 1876. A committee of arrangement was appointed then, consisting of Dr. John E. Ennis, of Clinton, Ia.; J. S. Stickney, Wauwatosa, Wis.; A. R. Whitney, Franklin Grove; Edgar Sanders, Chicago; D. Wilmot Scott, Galena; S. K. Scofield, Freeport, and Louis Elsworth, Naperville, all of Illinois. A call was issued for a meeting on June 14, 1876, in Chicago, and the society was then formed. The membership for that year, the report shows, was 62. Of these J. J. Harrison, Painesville, Ohio; Edgar Sanders, P. S. Peterson and J. C. Vaughan, of Chicago; T. S. Hubbard, Fredonia, N. Y., and Z. K. Jewett, Sparta, Wis., are now the only names without change marked in the Badge Book, 25 years after. From the 62 members given in the report in 1876 the society grew apace, till in 1885 we find 367 bona-fide members. The meeting for that year was also held in Chicago, the Society of American Florists being born, or organized, in the same city, its first convention being held in Cincinnati, Ohio. In those times a large number of ladies attended, who were made honorary members, at the meeting of the nurserymen held at Washington, D. C., in 1886, 48 being so enrolled. Of the 25 conventions 11 have been held in Chicago, other cities honored being: 1878, Cleveland, Ohio; 1879 and 1881 missing; 1882, Rochester; 1883, St. Louis; 1886, Washington; 1888, Detroit; 1890, New York; 1891, Minneapolis; 1892, Atlanta; 1894, Niagara Falls; 1895, Indianapolis; 1897, St. Louis; 1898, Omaha. It is a little singular that so far no one has been able to furnish reports, or a synopsis of the work done by the society, for the years 1878-1879 and 1881. We have a prospectus and call only for the Cleveland meeting in 1878. Who can furnish the "missing links" so as to complete the society's history?

The question box was, in this meeting, not much of a success.

The secretary proposed to struggle for a membership of at least 500.

It was a good move to confine discussion to a five-minute limit, no one to speak more than twice.

The exhibits were few. A new evergreen from Baker Bros, Fort Worth, Texas, called "Rosedale Hybrid," said to be a cross between the golden Arbor vitæ and Retinospora squarrosa, looks like a very useful thing for florists. It has the same dense, compact, upright and uniform growth of the golden Arbor vitæ, with the color and texture of the retinospora, except being soft and feathery to the touch. The color is a bright pea-green. Joseph Heinl had Juniperus compacta, so called, which is also apparently useful for florists for piazza and other decorative work.

N. W. Hale made an off-hand talk on "the retail nursery business," bringing out many excellent points. According to him the one-time despised "tree peddler" is now looked upon with less disfavor, and is a very necessary disseminator of trees and shrubs.

A number of the nurserymen joined the seedsmen on the invitation of J. C. Vaughan, to help fill up the tally-ho coaches on Friday on the trip through the parks. ESS.

CABBAGE PLANTS!

Strong, stocky, just right for planting. Selected Drumhead, Flat Dutch, etc., etc., $1.00 per 1000; $4.00 per 5000.

TOMATO PLANTS, $1.00 per 1000.
RICHARD INSALL, Near Phila. MOORESTOWN, N.J

Mention the Florists' Exchange when writing.

EVERGREEN!

An IMMENSE STOCK of both large and small sized Evergreen Trees, in great variety. Also Evergreen Shrubs.

CORRESPONDENCE SOLICITED.

THE W. H. MOON CO., Morrisville, Pa.

Mention the Florists' Exchange when writing

FRUIT and ORNAMENTAL TREES,

Shrubs, Vines and Roses

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., Geneva, N. Y.

Mention the Florists' Exchange when writing

Yucca Filamentosa

Fine, large plants, $10.00 per 100.

SAMUEL C. MOON, Morrisville, Pa.

BUCKS CO.

Mention the Florists' Exchange when writing

EDWARD B. JACKSON,

Wholesale Florist.

Hardy Herbaceous Plants Only

In any quantity for the least money.

STAMFORD, CONN.

Mention the Florists' Exchange when writing

South Orange, N. J.

The nursery and greenhouse establishment of W. A. Manda are increasing in dimensions yearly. Last season seven acres were added to the property, which at this time is all planted. Ten more acres have been added this season, making a total of twenty acres. The recently acquired ground adjoins the D. L. & W. Railway, and also connects with the rest of the nursery. A stream of water, which runs through the center, makes it an ideal spot for the business.

There are many interesting things to be seen on Mr. Manda's grounds at all times, but just now those commanding most attention are the hybrid Wichuraiana roses, which are in full flower. For the private place these roses have already established a value for themselves, particularly for covering rockwork, dead trees, stumps, or for trellis work. Being as they are, almost mildew proof, nearly evergreen, perfectly hardy, requiring no protection whatever, and also being very rapid growers, their value for outdoor work can hardly be overestimated. The gem of the collection is undoubtedly the one named Pink Pearl. This variety is the result of crossing Meteor with R. Wichuraiana, the former variety furnishing the pollen. Although it has not yet been tested thoroughly as a pot rose for forcing, the general habit of the plant, together with the size and profuseness of its flowers, leaves no room for doubt that it will be an acquisition for commercial growers, especially for Easter work. The individual blooms are very double and are of heavy substance, which gives it the best of keeping qualities. In size they range from 2½ to 3 inches. The color is a pleasing pink, with the center petals a shade deeper than the outer

C. H. JOOSTEN, SPECIAL, CANE PLANT STAKES, 6 to 7 feet, per 1000, $6.00; per 250, $1.75. KENTIA BELMOREANA SEED, per 1000, $4.50; per 3500, $14.00.

Catalogue of FALL BULBS and PLANTS on Application. 85 DEY STREET, NEW YORK.

Mention the Florists' Exchange when writing.

ones. The foliage is dark and heavy, almost leathery, and the wood very short-jointed. The hybridizer informed us that improvement in foliage has been his chief aim, the idea being to produce a variety that would be mildew proof. The leathery texture of the foliage on Pink Pearl would indicate that perfection along this line had almost been reached.

Another new variety is Improved Pink Roamer. This is decidedly better, both in size and color, than Pink Roamer. Being a single flower, however, its value lies as a garden variety, rather than for commercial purposes.

Manda's Triumph, double white, and South Orange Perfection, double blush white, are both good subjects for pot purposes, and are useful commercially. Evergreen Gem, as its name implies, holds its foliage throughout the Winter. The flower is white and has the delicious fragrance of the old sweet briar. Improved Universal Favorite is unique in its coloring, being almost a lilac shade.

There are also several new varieties, now flowering for the first time, among which is a white one of a distinct anemone type.

A ramble through the grounds reveals many things of interest. There is a fine batch of blue spruce, own root stock, that are perfect in coloring. The comparison between these and the grafted stock is very much in favor of those on their own roots, they being superior both in shape and coloring. Altogether there are 300 varieties of coniferous plants on the grounds. Japan iris are represented by over fifty varieties, which are just beginning to flower, showing many choice specimens.

In the greenhouses there are many novelties, particularly in dracænas. Stock of several varieties (as yet unnamed) is being worked up, and next Spring will see some of them on the market. Among the broad-leaved ones are several that show extremely rich coloring, blended types of the rubra and terminalis showing very rich.

Asparagus Sprengerii is grown largely, the basket method being mostly used. Asparagus decumbens is proving a very free grower, and for many purposes is more decorative than A. Sprengerii.

There are also many choice things in begonias of the decorative type, chiefly B. Harlequin, which shows a different variation on every leaf. Among the new unnamed kinds there are some especially fine dark leaved kinds.

Palms are grown extensively. In addition to a block of houses that are filled with 2-year-old plants, there are 50,000 seedlings potted and located in frames. Of orchids there is also a vast collection, the most important of which (to the owner) is the collection of naturally hybridized lælias. As these come into flower, Mr. Manda has them reproduced in water colors by an accomplished artist, and the collection of paintings already numbers fifty or sixty.

From South Orange a twenty-minutes' drive brought us to the grounds of Dr. Mandeville, where Malcolm McRorie has been head gardener for so long. Mr. McRorie gave us the run of the strawberry patch, and the many fine varieties were duly sampled. We were also shown what the hybrid Wichuraiania roses can accomplish in a short time. Here were plants, planted at the foot of decayed fruit trees, two years ago last fall, that are now 12 or 15 feet in height, having covered the old trees. They are a mass of bloom at the present time. No protection has been afforded, nor was the soil specially prepared for them. In the conservatories everything is in good order, the collection of crotons being fine, as also are the palms and tree ferns, some of which are very large specimens. Maidenhair fern is very well done, Adiantum Farleyense and the hardy Farleyense being specially good. Out-door roses are just past their best, but they are still a magnificent sight.

Near to Monntain Station we found the tea garden of Kushibiki & Aral. Plants are displayed on tables under canvas covers, and the older the plant the more beautiful it is supposed to be. Here are some subjects said to be over a thousand years old, which must be very valuable. We did not explore the garden thoroughly, as it was too late in the day, but intend making another visit in the near future, when we can say more about the many curiosities in plant life seen here.

IF YOU NEED ROSES
Send us your list for prices.
THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.
Mention the Florists' Exchange when writing.

ROSE PLANTS
In 3 inch pots, nice and strong.
BRIDESMAID, BRIDE and KAISERIN
$4.00 per 100; $35.00 per 1000.
MERCER FLORAL CO., Trenton, N. J.
CARL E. TAUBE, Proprietor.
Mention the Florists' Exchange when writing

BRIDES AND 'MAIDS
2½ inch, ready for a 3 inch shift.
$3.00 a 100; $25.00 a 1000.
CASH WITH ORDER.
J. B. HEISS, The Exotic Nurseries, Dayton, Ohio.
Mention the Florists' Exchange when writing.

CEO. A. RACKHAM,
Wholesale Grower of
Roses, Carnations, Small Ferns,
880 Van Dyke Ave., Detroit, Mich.
Mention the Florists' Exchange when writing.

ROSE PLANTS
Meteor, 3½ inch pots, per 100, $6.00; per 1000, $40.00.
Potted and repotted 4 times. These plants are vigorous and unusally fine. Packed to safely ship any distance.
BRANT & NOE, Forest Glen, Chicago, Ill.
Mention the Florists' Exchange when writing.

Strong Plants.
BRIDES and BRIDESMAIDS
2½ in. pots, $3.00 per 100; $30.00 per 1000.
3 in. pots, $6.00 per 100; $50.00 per 1000.
3½ and 4 in. pots, $7.00 per 100; $60.00 per 1000.
EDW. J. TAYLOR, Southport, Conn.
Mention the Florists' Exchange when writing

ROSE PLANTS

		Per 100	Per 1000
Meteor, Bridesmaid, Bride, La France	2½ in. pots,	$3.00	$25.00
	3 in. pots,	4.00	35.00

American Beauties Lifted from benches, Per 100, $2.50; per 1000, $20.00.
La France Lifted from benches, per 100, $2.50; per 1000, $20.00
The above is all clean, strong stock ready for planting, no better to be had.
GEORGE REINBERG,
51 Wabash Ave., CHICAGO, ILL.
Mention the Florists' Exchange when writing.

BRIDE AND BRIDESMAID ROSES
From 3½ Inch Pots at
$4.00 per 100.
JAMES E. BEACH,
2019 Park Ave., BRIDEPORT, CONN.
Mention the Florists' Exchange when writing.

Fine Selected Clean Stock.

1000	BRIDESMAID	4	inch pots
700	"	3	" "
300	MME. CHATENAY	3	" "
300	GOLDEN GATE	4	" "
300	"	3	" "

Low Price on application.
J. R. FREEMAN, 612 13th St., N. W. Washington, D. C.
Mention the Florists' Exchange when writing

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS...
and Novelties in Decorative Plants.
Market and 49th Sts., PHILADELPHIA, PA.

LOOK BEFORE YOU JUMP.
I have on hand Good, Strong, Healthy Plants, from 3 inch pots: 1300 Kaiserin, 600 'Maid, 2000 Bride, 450 La France, 500 Meteor ROSES.
From 4 inch pots, 100 Hermosa, 500 Salvia Splendens.
WHAT WILL YOU GIVE ME FOR WHAT YOU WANT FROM THIS STOCK?
From 3 inch pots, FERNS, $6.00 per 100; $50.00 per 1000, including Adiantum Cuneatum. Will ship, according to instructions, C. O. D., subject to examination at express office.
M. F. La ROCHE, Agt., - Collingdale, Pa.
Mention the Florists' Exchange when writing.

ROSES FINE PLANTS, FROM 2½ INCH POTS, $2.50 per 100; $20.00 per 1000.
Golden Gate, La France, Bride, Muriel Graham, The Queen, Marie Lambert, Maman Cochet, Striped La France, Abel Chatenay, C. Soupert, Mosella, Marie van Houtte, Bridesmaid, Sylph, H. M. Stanley, Gen. Lee, Mrs. R. Garrett, A. S. Gray, Media, Mme. Berthoi, Empress of China, Yellow Rambler, Mme. Elie Lambert.
GERANIUMS 25 varieties, double and single, our selection, $2.50 per 100; $20.00 per 1000. Ivy Geraniums, best double, $2.50 per 100.
CHRYSANTHEMUMS 2 inch, Fisher's Torch, Cullingfordi, J. C. Vaughan, Major Bonnaffon, Mrs. Perin, Glory of Pacific, Mrs. Whildin, $2.00 per 100; $15.00 per 1000.
SWORD FERN, Cordata Compacta, 2½ inch, $4.00 per 100.
BABY PRIMROSE, 2½ inch, in bloom, $2.50 per 100.
ASPARAGUS SPRENGERI, 2½ in., $3.50 per 100; $30.00 per 1000.
JOHN A. DOYLE CO., Springfield, Ohio.
Mention the Florists' Exchange when writing.

ROSES BRIDES and 'MAIDS. 4 inch, $5.00 per 100; $45.00 per 1000. 2½ in., 3.00 per 100; 25.00 per 1000. 2 inch, 2.50 per 100.
Careful Packing. Light Boxes.
P. COSGROVE & SON, Madison, N. J.
Mention the Florists' Exchange when writing.

ROSE PLANTS

	Per 100	Per 1000
Am. Beauty, 3 in. pots	$6.00	$55.00
" " 2½ in. pots	5.00	45 00
Bridesmaid, 3 in. pots	4.00	35.00
" 2½ in. pots	3.00	25.00
Bride, 3 in. pots	4.00	35.00
" 2½ in. pots	3.00	25.00
Perle, 3 in. pots	4.00	35.00
" 2½ in. pots	3.00	25.00
Meteor, 3 in. pots	4.00	35.00
" 2½ pots	3.00	25.00
Golden Gate, 3 in. pots	4.00	35.00
" " 2½ in. pots	3.00	25.00
Kaiserin, 2½ in. pots	3.00	25.00
" 3 in. pots	4.00	35.00

PETER REINBERG, Chicago, Ill.
51 Wabash Ave.
Mention the Florists' Exchange when writing.

FORCING ROSES

	Per 100	Per 100
Brides	2½ in. $2.75;	3½ in., $4.00
Bridesmaids	" 2.75;	" 4.00
Perles	" 3.00;	" 4.50
Sunsets	" 3.00;	" 4.50

Following 2½ Inch Pot Stock:
Prices per 100.

Marie Van Houtte, $2.25	Christine de None, $2.25
Duchess Brabant, $2.25	Marie Guillot, $2.25
Purple Chios, $2.25	Mrs. DeGraw, $2 25
Clothilde Soupert, $2.25	Yellow Soupert, $2 25
Maman Cochet, $2.25	White Maman Cochet, $2.25
Mme. F. Kruger, $2.75	Crimson Rambler, $2.75
Meteor, $2.75	Golden Gate, $3.00
La France, $3.00	Kaiserin, $3.00
Cruss an Tepitz, $5.00	

Also 30 other varieties and Miscellaneous stock. Send for list.
2-year old Crimson Ramblers from 4 inch pots, $8.00 per 100. Per doz.
Large Compacta Ferns, from 8 inch pans..$6 00
Large Boston Ferns, from 10 inch pans.....10.00
NATIONAL PLANT CO., Dayton, Ohio.
Mention the Florists' Exchange when writing.

PHILADELPHIA ROSES
AMERICAN BEAUTIES
Strictly first-class clean stock, out of 3 and 4 inch; extra strong.
MYERS & SAMTMAN,
Chestnut Hill, Philadelphia, Penn.

40,000 FIRST QUALITY FORCING ROSES!
READY FOR IMMEDIATE PLANTING.
Fully equal to those sent out the last eight years, first-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.
WOOTTON, LA FRANCE, AMERICAN BEAUTY, PRESIDENT CARNOT, 3 inch pots, $3.00 per 100. 4 inch pots, $12.00 per 100.
METEOR, KAISERIN, SUNSET, BON SILENE, MERMET, PERLE, GONTIER, MME. ROSTE, NIPHETOS, BRIDE, BRIDESMAID, BELLE SIEBRECHT, 3 inch pots, $7.00 per 100. 4 inch pots, $10 00 per 100,
Mention this paper. J. L. DILLON, Bloomsburg, Pa.
Mention the Florists' Exchange when writing.

PERLE ROSES
2½ inch stock, $3.50 per 100; $30.00 per 1000.
A1 STOCK. BEST IN MARKET.
WIETOR BROS., 51 WABASH AVENUE, CHICAGO.
Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

FLORIST, young German, wishes position in greenhouse. L. Oeb, 1030 Willoughby Ave., Brooklyn, N. Y.

SITUATION wanted by young man to take charge of wholesale or retail place; steady and reliable. T. E., care Florists' Exchange.

FOREMAN wants situation, first-class grower of cut flowers and plants; 12 years' experience, age 26; German; state particulars to E. Freuking, care of Mr. Hoshel, Fort Lee, N. J.

YOUNG man wishes position as foreman in commercial place; single, twelve years' experience in roses, carnations, mums and general line of stock; good references. Address E. B., 361 South 18th St., Newark, N. Y.

SITUATION wanted by a Sweed, 25 years old, commercial or private place; seven years' experience, understand growing of bedding plants and cut flowers, all kinds of vegetables and fruit. Can obtain further information about my standing. Axel L. Carlson, Florist, 40 Lippincott Ave., Long Branch, N. J.

HELP WANTED.

WANTED, a good all-around man, single, to work in a greenhouse; one who understands potting, propagating, etc.; state references from last place, also wages. T. D., care Florists' Exchange.

WANTED, an experienced gardener and florist to work in a greenhouse near Boston; must be a good potter and propagator, also able to make up designs; none need apply except those who understand the business; state wages and full particulars; references from last place. T. B., care Florists' Exchange.

MAN WITH EXPERIENCE WANTED as helper in rose houses. J. M. Gasser, Cleveland, O.

SEEDSMAN—A FIRST-CLASS MAN, EXperienced in all departments. Give particulars to A. B. C., Lock Box 1618, Philadelphia.

WANTED ASSISTANT, THOROUGHLY posted in the seed, bulb and plant business, and well up in flower seeds. Good position with Eastern retail house. Address S. K., care Florists' Exchange.

MISCELLANEOUS WANTS.

WANTED 3000 ft. of 10x12 glass, double thick, state price. George I. Laird, 3014 Fulton St., Brooklyn, N. Y.

WANTED—7000 feet of 12 inch glass either single or double, 10x12, 12x12, 12x14 or 12x16; state price. F. Summerfield & Son, Springfield, Mo.

WANTED—A steam boiler suitable for running a steam pump; state condition and power; also want large tank for storing water. T. F., care Florists' Exchange.

WANTED—A partner with $500 or more cash in a well-paying greenhouse establishment in Greater New York. For particulars apply to F. Millang, 408 E. 84th St., New York.

FIRES.

NO. BROOKFIELD, MASS.—The Herbert Brown Greenhouses suffered again by fire, June 12, the second time within six months. The blaze is thought to be of incendiary origin.

MISCELLANEOUS WANTS.

WANTED—To lease, a florist's place near Philadelphia or Camden; state particulars. Address T. J., care Florists' Exchange.

WANTED, to buy a first-class florist's establishment of not over 15,000 square feet of glass; must be in good repair and stocked; state where located (East preferred); state price, how heated, how many houses and buildings, etc., and amount of land adjoining houses; would like a sketch of ground and plan of buildings; state what is grown and where stock is disposed of. Address T. Q., care Florists' Exchange.

MISCELLANEOUS.

FOR SALE, some extra good second-hand 3-inch pipe, at 6c. per foot; also some 4-inch; secure it while it lasts. W. H. Salter, Rochester, N. Y.

FOR SALE—3 locomotive pattern boilers; all the above are second-hand steam boilers; one No. 6, second-hand Furman boiler, in use four years, in good condition. Address R. F., care Florists' Exchange.

FOR SALE—AT A GREAT BARGAIN, 52 sash, 3 ft. 8 in., by 12 ft., glazed; 50 rafters, 3 in. by 5 in. by 12 ft.; about 200 lineal feet 1¾x7 in. sill; about 100 lineal feet 1¾x8 in. ridge. All of the above a good quality of pine. Address for particulars, L. MENAND, Cemetery Avenue, Albany, N. Y.

BUSINESS OPPORTUNITIES.

TO RENT cheap, about 6000 ft. of glass, comprising 5 greenhouses; also 100 ft. of violet frames, on 1 acre of ground; 35 minutes from N. Y. City; in New Jersey. T. H., care Florists' Exchange.

FOR RENT, with privilege of buying, a place with 3 new greenhouses, 87 feet long, heated by Hitchings No. 17 boiler, dwelling house and city water on place; within 15 minutes from New York City, a good chance for live man. Address John M. Meyer, Sr., Metropolitan P. O., Queens Bor., N. Y.

FOR SALE—A fully equipped greenhouse plant consisting of 14 houses, all in good condition; heated by Hitchings hot-water system; situated on Long Island, 8 miles from Broadway, E. D. ferry; water supply from street pressure. Will be sold on reasonable terms. Address T. C., care Florists' Exchange.

SACRIFICE—Account of sickness must be sold, paying florist's establishment in live town of 8,000 inhabitants, with a large outlying population to draw from, on two railroads, 39 miles from N. Y. City; 7,000 feet of glass, 6 houses, 7-room dwelling, heated by Florida steam and Hitchings hot water boilers; city water in houses and dwelling; carnations and stock plants in ground, large stock of stuff growing for fall sales. Entire stock, fixtures, tools, $100 worth wire designs, $200 worth pots, hose, plant wagon, hand cart, wheelbarrows, etc., cost $9,500, sell for $4,200; $1,500 cash, balance on mortgage. Address P. O. Box 293, Dover, N. J.

FOR SALE—240 ACRES OF LAND ON Isthmus of Tehauntepec, State of Vera Cruz, Mexico. For full particulars write Roland Hughes, 846 New York Life Building, Kansas City, Mo.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.

LARGE GREENHOUSES AND FLORAL BUSINESS For Sale at a great bargain. Centrally located in a flourishing and growing city of nearly 150,000 people. The leading house in that line within a radius of 200 miles. A large and fine trade with the best class of customers. No house has a better reputation. No debts of any kind. This plant is offered for sale at a great bargain because the proprietors have gone into other business. Address for particulars

S. L., care Florists' Exchange.

Mention the Florists' Exchange when writing.



(129) **A Color Guide.**—J. R.—The work you want is "Color Guide for Florists," by Kohn, price $1.25. It can be supplied through this office.

(130) **Scale on Palm Leaf.**—F. J. A. S.—The palm leaf is affected with the ordinary black scale, and it can be removed by dipping in or syringing plant thoroughly with fir tree oil, diluted according to directions which are on the packages. Germol, another insecticide, is also recommended for scale. A prominent grower testified to its merits in the removal of scale in these columns only a short time ago.

(131) **Heating.**—I have one house used for carnations and bedding stock that I carry, or wish to carry, at a night temperature of 50 degrees, using two 2-inch overhead flows. How many return runs 1¼-inch pipe will I require? The house has 4-feet board wall, is 12 feet to ridge, glass in one gable. House No. 2 is 72x25 feet and is a forcing house that I wish to carry at 65 degrees night temperature, using 2-inch overhead flows. How many 1¼-inch returns will I require? The house is ¾-span glass in one gable, 20 inches of glass under south gutter 13 feet to ridge. Houses to be heated by hot water. My boiler is tapped to 4-inch pipe. Will that (having 1 flow and 1 return) be large enough to carry these houses? The boiler is a 30-horse tubular, of the economic type (or return flue internally fired). How many houses would this boiler be capable of heating? I am changing from 4-inch pipe, and do not want to go astray.—C. B. Husler.

—As the size of the carnation house is not given a definite answer cannot be supplied to the first question, but if about 20 by 72 feet it can be heated by twelve 1¼-inch returns, in addition to the two 2-inch flows. If much longer than this it will be well to use three 2-inch or two 2½-inch flow pipes and eight 2-inch returns. The other house should have three 2½-inch flow pipes, and it will be best to use seventeen 2-inch returns, although good results can be obtained if 25 1¼-inch pipes are used as proposed, provided the boiler is well below the level of the coils. If well up to its horse-power the boiler should readily carry 3,000 feet of radiation, which is probably double the amount in the two houses.—L. R. T.

THE EXPERIMENT STATIONS.

THE APPLE AND HOW TO GROW IT. By G. B. Brackett, Pomologist. Farmers' Bulletin No. 113, U. S. Department of Agriculture, Washington, D. C.—A valuable pamphlet, giving full information on the subject, with lists of varieties suggested for different localities. Illustrated.

FIELD TESTS WITH FERTILIZERS ON HEAVY CLAY LANDS. Bulletin 81, Purdue University, Indiana Agricultural Experiment Station, Lafayette, Ind.

ANALYSES OF PARIS GREEN AND OTHER INSECTICIDES. By Dr. L. L. Van Slyke. Bulletin 165, New York Agricultural Experiment Station, Geneva, N. Y.

CANKER OF THE APPLE. By F. H. Hall and Wendell Paddock. Bulletin 163, same station.

SPOT ON BALDWIN'S APPLE, LEAF SPOT OF CARNATIONS, ONION ROT, CUCUMBER DODDER. Bulletin 164, same station.

SOY BEANS. Bulletin 92, Kansas State Agricultural College, Manhattan, Kan. Illustrated.

FIELD EXPERIMENTS WITH FERTILIZERS. By Professor A. L. Knisely. Bulletin 179, Cornell University Agricultural Experiment Station (Chemical Division), Ithaca, N. Y.

CHARACTER AND TREATMENT OF SWAMP OR HUMUS SOIL. Bulletin 80, University of Wisconsin, Agricultural Experiment Station, Madison, Wis.

THE LEBBEK OR SIRIS TREE. Circular 23, Division of Botany, United States Department of Agriculture, Washington, D. C. Illustrated.

RED CLOVER SEED. Circular 24, Division of Botany, United States Department of Agriculture, Washington, D. C. Gives directions for Testing, etc.

POLLINATION IN ORCHARDS. By S. W. Fletcher; Bulletin 181, March, 1900, Cornell University, Agricultural Experiment Stations, Ithaca, N. Y.—The bulletin recommends when setting out new orchards do not plant a solid block of each variety, but mix them intelligently. If established orchards are unfruitful, because of self-sterility, it may be profitable to put a few grafts of another variety on each tree. Keep fruit trees well nourished, but do not stimulate them to an overvigorous growth.

NOTES ON INSECTS AND PLANTS. Bulletin 61, March 1900, Maine Agricultural Experiment Station, Orono, Me.—Contains notes on the specimens of insects and weed plants sent to the station by correspondents in 1899; also a full account of the brown-tail moth.

Bulletin 66, of the Hatch Experiment Station of Massachusetts Agricultural College, contains some useful information on Variety Tests of Fruits; Fertilizers for Fruits; Thinning Fruits and Pruning; also a Spraying Calendar.

FRUIT DISEASES FOUND ALONG THE HUDSON. Bulletin 167, New York Agricultural Experiment Station, Geneva, N. Y.—An interesting pamphlet. The most important fact connected with this survey is the discovery that there exists throughout the entire Hudson Valley below Albany a destructive cane blight of currants caused by a sterile fungus about which but little is known.

COMMON DISEASES AND INSECTS INJURIOUS TO FRUITS. Bulletin 170, same Station.—Gives a concise account of the common diseases and insects most injurious to cultivated fruits in New York State, and up-to-date directions for fighting them most efficiently and economically. An exhaustive index is also furnished.

RED CLOVER SEED. Circular 24, Division of Botany, Department of Agriculture, Washington, D. C.—Treats on points of quality, adulterants, simple methods of testing, etc.; also Circular 25, same division, on the subject of The Seed of Beardless Brome Grass. Both pamphlets are illustrated.

EXPERIMENT STATION WORK. Farmers' Bulletin 114, Department of Agriculture, Washington, D. C.—Among the subjects dealt with are: Influence of Salt and Similar Substances on Soil Moisture; Extra Early Potatoes; Rotting of Cranberries; Chestnuts; Crude Oil as an Insecticide, etc.

GRASSES AND FORAGE PLANTS, COOPERATIVE EXPERIMENTS WITH.—This subject is treated upon by Dr. P. Beveridge Kennedy in Bulletin 22, Division of Agrostology, Department of Agriculture, Washington.

INVESTIGATION AND IMPROVEMENT OF AMERICAN GRAPES. By Mr. T. V. Munson. Bulletin, 56, Texas Agricultural Experiment Station, Austin, Tex.—A most valuable publication, giving the results of the author's experiments and research extending over many years, classified lists of grapes by families, and other important information. Profusely illustrated.

Grand Rapids.

We have been having glorious weather of late—warmer days, cool nights, with a shower thrown in just often enough to make things grow finely. It is ideal carnation weather. Chrysanthemum planting is now well under way; there are also several violet houses planted. Grand Rapids intends to be right in the swim with violets this Winter; in fact, the craft has actually gone violet crazy.

Roses are of poor quality, there being not much first grade stock on the market. Poor flowers of any kind, particularly roses, find their way to the dump. Outdoor flowers are hurting the sale of the greenhouse product.

Commencement exercises are using up large quantities of stock, but the supply is ample for any demand that may be made on it; shipping trade continues very satisfactory. As soon as commencements are over and the resort season is open, any of the fraternity can take a well-earned rest, provided he is not building too many new greenhouses.

Prices remain as per last quotations.

G. F. C.

Bridgewater, Mass.

D. J. Murphy, formerly employed by J. J. Johnson, has secured the position of foreman at the Fairfield Conservatories, Springfield.

KAISERIN, Grafted, THREE INCH POTS, $15.00 per 100.
AMERICAN BEAUTY, OWN ROOTS, THREE INCH POTS, $10.00 per 100.
GOLDEN GATE, OWN ROOTS, THREE INCH POTS, $7.00 per 100.
Strictly First-Class Stock.
ROBERT SIMPSON, CLIFTON, N. J.
Mention the Florists' Exchange when writing.

ROSES 'MUMS GOLDEN GATES. Thrifty stock, from 2½ inch pots, $4.00 per 100; $35.00 per 1000. BRIDESMAIDS, $3.00 per 100; $25.00 per 1000.
From 2½ in. pots: Mrs. Henry Robinson, Mrs. G. P. Bassett, Ivory, Frank Hardy, Major Bonnaffon, $2.50 a 100. Willowbrook, best early white, $4 a 100.
PHŒNIX CANARIENSIS, from 5 and 6 in. pots, $3.00 per dozen; $20.00 per 100.
WM. B. SANDS, Lake Roland, - - BALTIMORE, MD.
Mention the Florists' Exchange when writing.

Montreal.

Trade Notes.

The heaviest of the Spring rush is now past, although everyone is still very busy and likely to continue so for the next few days. Careful inquiries as to the result of the Spring trade in bedding stock clearly indicate that this has been the best season for several years. There was no noticeable surplus of stock of any kind. One feature of the season is the very largely increased demand for window boxes, and a corresponding decline in the popularity of the hanging basket. If the growers can keep the boxes of sufficient size to prevent them drying out too quickly there seem to be almost unlimited possibilities in this line.

The past week in other lines has been uneventful. There has been a few weddings, but in no case has there been any very elaborate florists' display. Carnations are still good and plentiful. Roses are abundant, but poor in quality; outdoor stock is coming in in large quantities, and can be bought from the "habitants" on the various markets at ridiculous prices.

Club News.

The meeting on Monday night was unusually well attended. The chrysanthemum show committee reported that the usual check for $100 toward the funds had been received from our honorary president, Lord Strathcona. Several other smaller subscriptions have been received, and altogether there is a bright outlook for the Fall show.

The annual picnic was decided on, and will be held at Isle Gros Bois, about the middle of July. A committee of four was appointed to complete arrangements.

Horticultural Society.

A meeting of the directors was held Monday night, to complete arrangements for the first of a series of Summer exhibitions, which will be held in the beautiful grounds of Mrs. J. H. R. Molson, "Piedmont," on Saturday afternoon, June 16. A couple of sections are devoted to fruit, the balance of the list is filled with perennials. Three trophies will be awarded to the winner of highest aggregate number of points. D. Williamson and F. C. Smith are the judges appointed. The judges for the society's Cottage Garden competition will be Messrs. W. M. Ramsey and C. A. Smith. This class is judged twice—once in July and again in August. Several valuable trophies are given in each of the three sections.

Notes.

Our old and esteemed friend, John S. Murray, is now rapidly recovering from a paralytic stroke, with which he has been recently afflicted.

Mr. Gray, of Toronto, representing Messrs. Macmillan, the publishers of Professor Bailey's "Cyclopedia of Horticulture," is at present with us. He reports a great demand for the book, and, indeed, it would be surprising if it were otherwise, if we may judge from the small portion Mr. Gray carries as a sample.

Monsieur Pinoteau, Chevelier of Horticulture, France, Montreal's City gardener, who is just starting for a three months' trip to France, was the recipient of many kind wishes for a "bon voyage" at the club, Monday night.

Obituary.

It is with the deepest regret that we have to record the death of Miss Mary Perrin, another estimable daughter of our old friend and member, Mr. John Perrin. The young lady was of a most pleasant and cheerful disposition, and will be sorely missed. B.

Denver.

At the second meeting of the Denver Floral Club, held June 15, plans were made for the Fall flower show. Competition will be open to the State and Eastern growers, not only in the chrysanthemum line, but in all branches of floriculture. M. Bloy, Frank Rushmore and A. M. Lewis were appointed a committee to arrange for the social welfare of the club and the entertainment of visiting florists during the exhibition, which will be given the first or second week of November. The chrysanthemum show will probably be given at City Park, the Park Board having extended to the club the use of the grounds and hot houses.

COBÆA SCANDENS, 2 inch.....$1.25 per 100
SMILAX, 2 inch..... 1.25 "
GERANIUMS, mixed, 2 inch..... 1.80 "
" " 3 and 3½ in. 3.00 "
E. I. RAWLINGS, Quakertown, Pa
Mention the Florists' Exchange when writing.

Coleus! From 2½ in. pots. Extra fine.
1000 Coleus Verschaffelti; 2000 in 6 other best bedders; the lot for $30.00, 1000 for $12.00, 100 for $1.50.
Extra Good Geraniums, from 4 in. and 4½ in. pots, $6.00 per 100, or 200 for $10.00.
MRS. M. CAVANAUGH, Ionia, Ontario Co., N. Y.
Mention the Florists' Exchange when writing.

VIOLETS I have about 3000 Marie Louise, sand struck, well rooted cuttings to sell, clean, healthy stock, free from all disease and insects, they are worth $20.00 per 1000. Cash with order.
JOSEPH MARKLE, Rhinebeck, N. Y.
Mention the Florists' Exchange when writing.

SOME GOOD STOCK

	Per 100
Solanum Capsicastrum, 2 in.	$1 50
Smilax, strong, 2 in	1 25
Carex var., fine, 2 in.	3 00
Boston Ferns, strong	5 00
Aspidistra, 100 leaves	4 50
Asparagus Sprengeri, 2 in.	2 00

A. C. FEHR, Belleville, Ills.
Mention the Florists' Exchange when writing.

VALUABLE NOVELTY Beautiful New Foliage Plant.
CHRYSANTHEMUM GREEN AND GOLD
Leaves exquisitely variegated; pale lemon, yellow and light green, the yellow predominating. Lovely at all times, but when adorned with its immense double, fluffy, cream white flowers, beautiful to behold. Comes true, rarely giving green shoots. DON'T FAIL TO TRY IT. $2.00 per doz.; $10.00 per 100. Send for Catalogue and Trade List.
Mrs. Theodosia B. Shepherd, Ventura-by-the-Sea, Cal.
Mention the Florists' Exchange when writing.

8000 ROSES HEALTHY STOCK.
8000 nice plants of Bride and Bridesmaid, from 3 and 3½ inch pots, at $4.00 per 100, or $35.00 per 1000; 500 at 1000 rates.
Full line of BEDDING PLANTS cheap. Will exchange some stock for Chrysanthemums.
300,000 Fine Celery Plants, including White Plume, Giant Pascal and Golden Heart, $2.00 per 1000. Special price on quantity. Cash with order.
W. T. HILLBORN, - Newtown, Bucks Co., PA.
Mention the Florists' Exchange when writing.

ALTERNANTHERA Strong, 2½ inch, 2½c.; Nana and Amabilis, 2c.
Coleus, Golden Bedder, Verschaffelti and Mixed, 2½ in., 2c. Centaurea Gymnocarpa Candidissima, 2½ in., 1½c.; Cobæa, 3c.; Cuphea Eculentum, from sand, 2c.; from pots, 4c.; Large Egg Plants, 2 to 3c.; Vinca, 3 to 5c.; Salvia, 3 in., 3c.; Cocos Palm, 10 ft., $15.00. Cash.
JOS. J. BRAUN, Englewood, N. J.
Mention the Florists' Exchange when writing.

ROSES
From 5 inch pots, at 9c.
A few hundred Coquette des Blanches, Coquette des Alpes and Malmaison; fine strong plants.
Also large-flowered Clematis, the finest purple, white, lavender and red sorts, fine plants from 5 inch pots, at 15c. Packing free.
W. H. SALTER, Rochester, N. Y.
Mention the Florists' Exchange when writing.

Ready for Delivery on and after June 20th,
Marie Louise Violet Plants
From soil, clean, healthy stock, $20.00 per 1000.
L. R. LANE, - Babylon, L. I.
Mention the Florists' Exchange when writing.

VIOLETS From pots, A1 stock, free from disease: Lady Campbell, M. Louise and Farquhar, $2.50 per 100; $20.00 per 1000; New Imperial, fine stock, $3.00 per 100; $25.00 per 1000.
GERANIUMS S. A. Nutt and Brunant, $6.00 per 100. 3 in., $3.50 per 100, incl. Mme. Salleroi.
ALTERNANTHERA red and yellow, from flats, $2.00 per 100.
CRABB & HUNTER, Grand Rapids, Mich.
Mention the Florists' Exchange when writing.

WM. MURPHY,
Wholesale Carnation Grower.
Sta. F., CINCINNATI, O.
Mention the Florists' Exchange when writing

CARNATIONS
F. DORNER & SONS CO., La Fayette, Ind.
Mention the Florists' Exchange when writing.

POTTED VIOLET CUTTINGS
Farquhar.....per 1000, $20.00
Lady Campbell..... " " 15.00
Princess of Wales..... " " 12.50
Clean of all diseases and guaranteed pure stock. Field-Grown Plants, Ready July 1. Cash Must Accompany all Orders.
GREEN SPRINGS FLORAL CO., Waldrop P. O., Louisa Co., Va.
Mention the Florists' Exchange when writing.

CARNATIONS
WM. SWAYNE, Kennett Square, Pa.
Mention the Florists' Exchange when writing.

ASTER PLANTS
To close out, extra fine stocky plants of Queen of the Market, Truffauts Perfection, Victoria, Comet and Semple's; in best mixed colors, at $2.00 per 1000; 500 at 1000 rate. Seed saved from the largest and most double flowers only.
GUSTAV PITZONKA, - Bristol, Pa.
Mention the Florists' Exchange when writing.

Bedding Plants
CHEAP.
Geraniums, 25 varieties, assorted Fuchsias, 6 varieties; Lantanas, Cigar Plants, Verbenas, Coleus, Salvias, Petunias, double and single; Heliotropes, Thunbergias, Lobelias, Ricinus, Cannas, Caladiums, Myrtle, Var. Funkias, Var. Vinca, Marigold, Asters, Balsam.
Mix you up 12 of any of these at 65c., $5.00 per 100, $40.00 per 1000, out of 3½ and 4 in. pots; 30c. per doz., $2.00 per 100, out of 2 and 2½ in. pots.
K. E. JUUL, Cor. Chestnut and Walnut Sts., Elizabeth, N. J.
Mention the Florists' Exchange when writing

GRALLERT & CO.
Carnation Growers,
Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.
COLMA, San Mateo Co., CAL.
Mention the Florists' Exchange when writing

IVORY 'MUMS
FINE STOCK, 2½ inch pots, $2 per 100; $17.50 per 1000.
Cash, please.
HENRY EICHHOLZ, - Waynesboro, Pa.
Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS
FOR SALE OR EXCHANGE.
Golden Wedding, Edith Smith, Mrs. Robinson, Marian Henderson, Mrs. E. G. Hill, Dailledouze,
And other varieties.
Rooted Cuttings and from 2½ inch pots, $2.00 per 100.
A. D. MONTGOMERY, Hazleton, Pa.
Mention the Florists' Exchange when writing.

CHRYSANTHEMUM
Merry Monarch.
Most profitable, earliest large white Chrysanthemum in existence; from 2½ inch pots (one foot), $3.00 a 100. Only 600 left. Hurry up.
GODFREY ASCHMANN,
1012 Ontario Street. PHILADELPHIA, PA.
Mention the Florists' Exchange when writing.

NOW FOR 'MUMS!
I offer to the trade my fine young stock of 'Mums, out of 2½ inch pots.
Early White. Lady Fitzwygram, Bergmann, Robinson, Ivory.
Early Yellow. Lager, Golden Trophy, Whildin, Mrs. G. P. Bassett.
Early Pink. Glory of Pacific, Rose Owen, Pink Ivory.
Midseason and Late. Mrs. Perrine, pink; Autumn Glory, pink; Modesto, yellow; Bonnaffon, yellow; Dailledouze, yellow; Niveus, white; Mrs. H. Weeks, white; Rob. Halliday, yellow; Mrs. L. D. Black. At $2.50 per 100.
Philadelphia, Pennsylvania, Adula and some more newer kinds, at $5.00 per 100.
CASH, PLEASE.
CHAS. ZIMMER, West Collingswood, N. J.
Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Bessie Burton	Mrs. Jerome Jones
Belle of Castlewood	Mrs. J. G. Whildin
Cullingfordii	Maud Dean
Eureka	Mrs. S. T. Murdock
Glory of Pacific	Mrs. J. J. Glessner
Ivory	Mrs. H. Weeks
J. H. Woodford	Mrs. G. P. Bassett
Liberty	Rose Owen
Minerva	The Queen
Mme. F. Bergmann	Wm. H. Lincoln

From 2½ inch pots, $2.00 per 100.

GERANIUMS

Alphonse Riccard	La Favorite
Beaute Poitevine	M. Brunant
Centaur	Mme. Jaulin
Gillian M. Gill	Miss Kendell
Double Gen. Grant	Mme. Brunant
Countess de Harcourt	Mme. Barney

From 2½ inch pots, $2.00 per 100.
ENGLISH IVY From 2½ in. pots, $2.00 per 100.
MEMORIAL ROSE 3 in. pots, strong, $4.00 per 100.
SMILAX From flats, 50 cts. per 100; $4.00 per 1000.
Cash with order.
R. VINCENT, JR., & SON, White Marsh, Md.
Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS Now is the time to plant them. We offer extra fine vigorous plants, from 2 and 2½ inch pots. Everybody likes them; they are so strong and healthy that they surprise all of our new customers; our old customers, of course, always know what to expect, but even they occasionally tell us that our stock is getting better all the time. Following is a partial list.

EARLY	100	MID-SEASON	100	LATE	100
Ivory	$3 00	Major Bonnaffon	$3 00	Mrs. J. Jones	$4 00
M. Henderson	3 00	Wm. Simpson	3 00	Liberty	4 00
Geo. S. Kalb	3 00	V. Morel	3 00	Merry Xmas	4 00
Merry Monarch	3 00	G. W. Childs	4 00	Autumn Glory	3 00
Willowbrook	4 00	H. W. Longfellow	3 00	E. Dailledouze	4 00
M. de Montmort	3 00	Mrs. Murdoch	3 00	Golden Wedding	4 00
Mrs. J. Whildin	3 00	Mrs. T. L. Park	6 00	Nagoya	6 00
John K. Shaw	6 00	Black Hawk	4 00	Xeno	6 00
Golden Trophy	3 00	Mrs. C. H. Pierce	3 00	Harry Balsley	3 00
Glory of the Pacific	3 00	Mrs. H. Robinson	3 00	Adula	3 00
		Niveus	3 00	Mrs. Baer	8 00

In addition to the above we have a large list of new and other standard sorts. Send for complete list.
H. WEBER & SONS, OAKLAND, MD.
Mention the Florists' Exchange when writing.

READ THIS NOW

WE HAVE WORKED IT OVER FOR YOUR BENEFIT

	Per 100
Anthemia, Double Yellow Marguerite, 2¼ in.	$3 00
3 in.	6 00
Alternanthera, 2¼ in., $20 a 1000;	2 50
Abutilon, Var. Trailing, 2¼ in.	4 00
Begonia Rex, 2¼ in.	4 00
4 in.	10 00
Coleus, 2¼ in.	3 00
Centaurea Gymnocarpa, 2¼ in.	2 00
Cobæa Scandens, 2¼ in.	3 00
3 in.	6 00
Dracæna Indivisa, 3 in.	8 00
3½ in.	10 00
4 in.	15 00
4½ in.	25 00
5 in.	35 00
6 in.	50 00
Fuchsias, 2¼ in.	3 00
3 in.	4 00

	Per 100
Fuchsias, Trailing Queen, 2¼	$4 00
Ficus Elastica, 3½ in., $3 per doz.	
Geraniums, Mars, 2 in.	4 00
Mars, 2¼ in.	6 00
3 in.	8 00
Rose Scented, 2¼ in.	3 00
Mme. Bruant, 2 in.	4 00
S. A. Nutt, 2¼ in.	3 00
3 in.	6 00
La Favorite, 3 in.	6 00
2¼ in.	3 00
Mme Salleroi, 2 in.	2 00
2¼ in.	$2.50 to 3 00
3 in.	6 00
Ivy, mixed, 2¼ ir	3 00
German Ivy, 2¼ in.	2 00
Lobelia, 2¼ in.	2 00
Maurandya Vine, 2¼ in.	2 00
Manettia Bicolor, 2¼ in.	3 00

	Per 100
Nasturtium, Trailing, 2¼ in.	$2 00
Pyrethrum, Golden Feather, 2¼ in.	2 00
Little Gem, 3½ in.	4 00
Pansy Plants, in bloom.	1 50
In bud.	$8.00 per 1000; 1 00
Petunias, single, 2¼ in.	3 00
Single, 3 in.	4 00
Double, 2¼ in.	6 00
3 in.	8 00
Palm, Washingtonia Filifera, 2¼ in.	4 00
3 in.	6 00
Salvia, 2¼ in.	2 50
3½ in.	4 00
Vinca, 2¼ in.	3 00
3½ in.	8 00
4 in.	10 00
5 in.	15 00

WRITE US FOR PRICES ON 1000 LOTS.

ROOTED CUTTINGS.

	Per 100
Alyssum, Double Giant	$1 00
Variegated	1 25
Abutilon, variegated	1 50
Ageratum, Blue and White	1 00
Princess Pauline	1 25
Anthemis Cor., (Double Yellow Marguerite)	1 50
Coleus....per 1000, $7.00	80
Fancy	1 00
German Ivy	1 25
Geraniums, Sweet Scented	1 50
Assorted	1 50
Mixed	1 25
Happy Thought	2 00
Freak of Nature	2 50
Bronze	1 50

	Per 100
Geraniums, Silver Leaf	$1 50
Mrs. Pollock	2 00
Mrs. Parker	4 00
Mme. Salleroi	1 25
Mars	2 50
Mme. Bruant, Mme. Taylor	2 00
Dr. Livingston	2 00
Impatiens Sultani	1 50
Heliotrope	1 25
Lemon Verbena	1 50
Manettia Bicolor	1 50
Pyrethrum, Little Gem	1 50
Pelargoniums, mixed	3 00
Salvia	1 25
Stevia Var.	1 50
Vinca Var.....$10.00 per 1000	1 25

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

GERANIUMS in good varieties, in bud and bloom, 3½ in. pots, per 100, $5. IVY GERANIUMS, in good varieties, in bud and bloom, 3½ in. pots, per 100, $5.00.

Fuchsia, 4 in. pots, per 100, $12.00. **Heliotrope,** 2 varieties, 2½ in. pots, per 100, $2.50. **Salvia,** 2½ in. pots, per 100, $2.50. **Ageratum,** Cope's Pet, 2½ in. pots, per 100, $2.50. **Lobelia,** 2½ in pots, per 100, $2.50. **Single Petunias** 2½ in. pots, per 100, $2.50. **Periwinkle,** 3 in. pots, 100, $3. Cash with order.

WM. J. CHINNICK, Trenton, N.J.

Mention the Florists' Exchange when writing.

FINE, STOCKY PLANTS

	Per 100	1000
STOCK, Princess Alice	$0.30	$2.50
COSMOS, Early Dawn	.35	2.50
CANDYTUFT, Empress	.25	2.00
ZINNIA, Dwarf Double	.35	2.50
AMPELOPSIS VEITCHII	.35	3.00
CARNATIONS, Margaret, semi-dwarf	.35	2.50

J. C. SCHMIDT, Bristol, Pa.

Mentinn the Florists' Exchange when writing.

HELIOTROPE

2 inch, $2.00 per 100.

Merry Christmas 'Mums, 2 inch, $2.00 per 100.
Baby Primrose, $1.50 per 100.
Smilax, from flats, $1.00 per 100.
Geraniums, 4 inch, single Gen. Grant, $6.00 per 100.

CASH WITH ORDER.

WM. KEIR, - Pikesville, Md.

Mention the Florists' Exchange when writing.

GERANIUMS

Mixed, 3 inch, at 3 cts.
Rooted cuttings, strong, per 100, $1.50.

Chrysanthemum, **Robinson,** per 100, $1. Cash please.

WILLIAM STUPPE, Hollis, L.I., N.Y.

Mention the Florists' Exchange when writing.

SURPLUS STOCK

	Per 100
125 Egandale Canna, 3 in. pots	$8.00
275 Robusta Canna, 3 in. pots	6.00
Grevillea Robusta, 2½ in. pots, strong stock, 12 in. to 18 in. high	3 00
Asparagus Tenuissimus, 2½ in. pots	3.00
Cyperus Alternifolius, 2½ in. pots	2.50
Lemon Verbena, 2 in. pots	2.50
Coleus, best varieties, mixed	2.00
Cobæa Scandens, 3 in. pots	3.00
Centaurea Gymnocarpa, 2½ in. pots	2.50
Vinca Major Variegata, 2 in. pots, $20 a 1000.	2.50
Petunias, double fringed, mixed, 2½ in. pots	3.00
Variegated Japanese Hop, 2½ in. pots	2.50
Geraniums, best named varieties, 2½ in. pots	2.50
" 4 in. pots	6.00

List of varieties of above stock free on application.

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

ALTERNANTHERA.

Red, per 100, $2.00; per 1000, $18.00.
Yellow, " 1.75; " " 15.00.

	Per 100
Verbenas, Mammoth, 2 in.	$1.00
Rudbeckia, Golden Glow, 2½ in.	2.00
Abutilon, Souv. de Boun, 3 in.	2.50
Fuchsias, best mixed varieties, 3 in.	3.00
Petunias, Single, 3 in.	3.00
Cigar Plant, 8 in.	2.50
Coleus, Golden Bedder, 2 in.	2.00
Lantanas, Mixed, 3 in.	3.00

Satisfaction Guaranteed. Cash with Order.

GEO. L. MILLER, Newark, Ohio.

Mention the Florists' Exchange when writing.

ACALYPHA SANDERI

2½ inch, $8.00 per 100

CRIMSON RAMBLER ROSES

We will have a fine lot of field plants for winter forcing. Orders taken now.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

XXX STOCK

SPECIAL OFFER for Immediate Orders.

Cyclamen Persicum Splendens Giganteum, finest strain in the world. Now ready to ship, a splendid stock of plants in four true colors—red, white, pink, and white with red centre—from 2½ in. pots, $4.00 per 100; $35.00 per 1000; 250 at the 1000 rate. Send in the order at once if you want to secure selected stock.

All Stock Guaranteed A No. 1.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

LAST CALL

		Per 100
10000	Coleus, named, our selection, 2¼ in.	$1 50
5000	Geraniums, named and mixed 2¼ in.	2 00
500	Maidenhair Ferns, 2½ in.	4 00
3000	Iresines, red also yellow, 2¼ in.	1 50
1000	Alternanthera, large-leaved, 2½ in.	1 50
1000	Begonia, Red Vernon, 2¼ in.	1 50
1000	Begonia, Erfordi, 2¼ in.	1 50
2000	Begonias, mixed, 2¼ in.	1 50
500	Lygodium Scandens, climbing fern, 2½ in.	4 00
1000	Fuchsias, mixed, 2¼ in	1 60
300	Asparagus Plumosus, 7 in	20 00

CASH.

THE MORRIS FLORAL CO., Morris, Ill.

Mention the Florists' Exchange when writing.

STEVIA

Dwarf, best for Winter flowering; no florist can afford to be without it. Strong plants, out of 2½ inch pots, $3.00 per 100; $25.00 per 1000.
Strong rooted cuttings, $1.50 per 100.

VIOLETS.

Marie Louise, strong, healthy plants, out of 2½ inch pots, $3.00 per 100; $25.00 per 1000.

CELERY PLANTS.

Strong, field grown, in 8 varieties, to any quantity. Extra selected stocky plants, $1.50 per 1000.

CASH, PLEASE.

WM. S. HERZOG, Morris Plains, N.J.

Mention the Florists' Exchange when writing.

A Few Good Things You Want

REX BEGONIA, extra fine, 2½ in, $4.00 per 100 3 in., $6.00 per 100.
GERANIUMS, Bonnat, single and double Grant, S. A. Nutt, Mrs. E. G. Hill, 3 in., $5.00 per 100.
COLEUS, red and yellow, 2 in., $2.00 per 100.
SALVIA, Clara Bedman, 2 in., $2.00 per 100.
VINCA VAR., 2½ in., $3.00 per 100.
AGERATUM, blue and white, 2 in., $2.00 per 100.
SMILAX, 2 in., $2.00 per 100.
BRIDESMAID ROSE, 3 in., $5.00 per 100.
SWORD FERN, Nephrolepis Cordata Compacta 2½ in., $3.00 per 100.

Fine stock of **KENTIA BELMOREANA** and **FORSTERIANA,** just right for growing on, 2½ in., $10.00; 3 in., $20.00; 4 in., $40.00 per 100. Nice clean stock, and can't be duplicated anywhere for the money. *Cash with order.*

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

	Per 100
Chrysanthemums, some best commercial varieties, from soil	$2.00
Cannas, Mme Crozy, strong, $1.00 per doz.	
Asters, Queen of the Market, strong	1.00
Vinca, variegated, 3 in.	2.50
Vinca, flowering, pink and white	2.50
Bougainvillea Sanderiana, to plant out, 2 in.	2.00
Asparagus Sprengeri, 2 in.	3 00
Smilax, 2½ in.	2.00
Lobelia, Crystal Palace, fine, 3 in.	2.50
Russelia Multiflora and Elegantissima, 3 in., 60c. per doz.	
Fuchsias, in bud and bloom, 4 in., $1.00 per doz.	
Begonia, Rex varieties, 3 in.	3.00

J. G. EISELE, 20th and Ontario Sts., Phila., Pa.

Mention the Florists' Exchange when writing.

GERIANUMS

Double Gen. Grant, Gloire de France and de Tasi pede, from 3 inch pots, stocky, $4.00 per 100; from 4 in pots, extra strong, at $8.00 per 100. One year old stock plants, from 6 in. pots, at $15.00 per 100.
Fuchsias, from 2½ in. pots, strong, $2.50 per 100.
Heliotropes, from 3 in. pots, at $3.00 per 100.
Salvia Splendens, from 3 in. pots, at $3 00 per 100.
Alyssum, Double Giant, from 3 in. pots, $4 00 per 100.
Vinca Variegata, from 4 in. pots, $12.00 per 100.
Vinca Variegata, from 2½ in pots, 18 to 24 inches long, just the thing for hanging baskets, at $5.00 per 100.
German Ivies, from 3 in. pots, strong, $4.00 per 100.
Tropæolums, tall and dwarf, from 2 inch pots, at $1.00 per 100.
Selaginella, from 4 inch pots, $6.00 per 100.
Celery Plants, from seed bed, at $2.00 per 1000; 25c. per 100.

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

FIRST-CLASS STOCK

	Doz.	100
Ageratum, Cope's Pet, 2½ in. pots	$0.50	$2.50
Begonias, assorted, 2½ in. pots.	.60	4.00
Coleus—		
Golden Bedder, 2½ in. pots	.50	2.00
Verschaffeltii, 2½ in. pots	.50	2.00
Dracæna Indivisa—		
4 in. pots, very strong	2.25	18.00
5 " " "	3.50	25.00
German Ivy, 2½ in. pots	.50	2.00
Hedera Helix (English Ivy), 2½ in. pots	.50	3.00
Lemon Verbena, 2½ in. pots.	.75	4.00
Maranta Bicolor, 2½ in. pots	.75	5.00
Salvia Splendens, Bonfire, flats	.50	2.00
Swainsona Galegifolia Alba, 2½ in. pots	.60	4.00
Pandanus Veitchii—		
15 in. high, 6 in. pots	12.00	
Vinca, Variegated trailing, 2½ in. pots	.50	3.00
Vinca, Green trailing, 2½ in. pots	.50	3.00
Vinca, sbrubby, 2½ in. pots	.75	4.00

N. B.—All orders amounting to $5.00 and over are forwarded F. O. B. New York City.

Orders from unknown correspondents are sent C. O. D.

SEAWANHAKA GREENHOUSES,
OYSTER BAY, L. I.

Lock Box 227. W. L. SWAN, Prop.

Mention the Florists' Exchange when writing.

GERANIUMS

Ricard, Double Grant, La Favorite and other good varieties, out of 4 inch pots, $4 00 per 100.

CASH WITH ORDER.

B. HOFMANN, Albion Place, PATERSON, N. J.

Mention the Florists' Exchange when writing

J. E. FELTHOUSEN,

Rooted Cutting Specialist,

SCHENECTADY, N. Y.

Mention the Florists' Exchange when writing.

FOR SALE CHEAP

A No. 1 nice stock, in bud and bloom.

Verbenas, Petunias and Fuchsias, 2½ in. pots 35c per doz.; $2.50 per 100.
Pansies, extra fine strain, in fine shape, 2½ in. pots, $2 50 per 100; 3 in. pots, $3.00 per 100.
Coleus, 2½ in. pots, 4 to 6 inches, 10 to 15 varieties, $2.50 per 100.
Smilax, 2½ in. pots, $2.50 per 100.
Carnations, all sold.
Orders booked now for **Smilax** and **Campbell Violets,** 2½ in. pots, $2.50 per 100.

CASH WITH ORDER, PLEASE.

E. J. CLOUD, L. B. 32, **Avondale, Pa.**

Mention the Florists' Exchange when writing

CANNAS

Austria, strong plants from 3½ in. pots,	$6.00 per 100
Burbank, " " 3½ "	6 00 "

ROSES.

Bridesmaid, Bon Silene, Catherine Mermet, Duchess of Albany, Golden Gate, Maid of Honor, Perle des Jardins, Sunset, The Bride, from 2½ in. pots, $4.00 per 100, $38.00 per 1000; from 3 in. pots, $7.00 per 100; $60.00 per 1000.

CHRYSANTHEMUMS.

For Varieties and Prices see Issue of June 9th.

READY FOR **VIOLETS** IMMEDIATE PLANTING.

Marie Louise, from 2½ inch pots, fine stock, $3.00 per 100; $25.00 per 1000.

MISCELLANEOUS PLANTS.

Ready for Immediate Sales.

	Per 100
Anthemis, Dbl. Golden Marguerite, 2½ in. pots,	$3.00
Ageratum, blue and white, 2½ in pots	3 00
" Princess Pauline, 2½ in. pots	4.00
Cuphea, Platycentra, 2½ in. pots	3 00
Carnations, in bud and bloom, 4 in. pots	12.00
Fuchsias, double and single, 2½ in. pots	3.00
" " " 3½ in. pots	8.00
Geraniums, double and single, 3½ in. pots	7.00
" " " " 3 in. pots	5.00
Heliotrope, light and dark, 3½ in. pots	5.00
" " " 2½ in. pots	3.00
Moon Flower, white, 2½ in. pots	4.00
Pansies, transplanted	2.50
Salvias, Splendens and Bedman, 2½ in. pots	3.00
" " " 3½ in. pots	5.00
Feverfew, dwarf, from 2½ in. pots	4.00
Impatiens Sultani, from 2½ in pots	4.00
" " " from 3 in. pots	6.00
Pelargoniums, from 2½ in. pots	6.00
Hydrangeas, in bud and bloom, 4 in.	24.00
5 in.	25.00

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

Chicago.

Club Meeting.

As the meeting, Friday, June 15, was the last before Summer vacation, a smoker and refreshments were provided. The committee on co-operative coal purchase was also ready to report, so the combination brought out the best gathering in a long time. W. N. Rudd, for this committee, announced the receipt of 47 replies to postals sent out, with a total of 24,000 tons of coal called for. Some of the larger firms had already contracted for 30,000 tons, and the estimate easily indicated that at least 100,000 tons are used by the florists tributary to Chicago. Out of this only 270 tons of hard coal are employed; 2,755 tons of smokeless soft coal, the balance being Illinois and Indiana, a poorer grade, costing at the present time from $2.35 to $2.45 per ton, as against the smokeless at $3.60, which rate, with extra switching, is often increased to many florists. After considerable discussion, on the recommendation of Mr. Rudd, who thought nothing was to be gained now with prospects of lower rates inside of 60 days, the committee was continued and will communicate to the consumers later. On the question being asked of Joseph Helnl, of Jacksonville, what kind of coal he used, he stated Springfield or Danville, costing him $1.65 per ton. One of the Miller Brothers, of Terre Haute, Ind., stated they wagoned their coal direct from the mines, paying 50c. per load of about 2½ tons each.

J. Austin Shaw being called on, gave an interesting account of doings of the florists' clubs in Eastern cities, what the New York Club was preparing in the way of entertaining visiting clubs at the S. A. F. Convention, in August next, winding up with the work being done at the Pan-American Exhibition, and warning the Chicagoans that if they expected to capture the convention for their city in 1901 they would have to come with a heavy delegation, as in the East it was in the air to go to Buffalo.

Carew Sanders, of St. Louis, told that the florists of his city expected the convention in 1903, and on the question being put to him would the St. Louis boys help Chicago for 1901 if the latter aided St. Louis for 1903, he said they would.

G. L. Grant, for the Committe on Transporation to New York, reported that there was every promise of good rates being obtained, and a lively feeling was manifested to make up a big delegation.

Vaughan's Greenhouses.

A trip to Western Springs is always a treat. Mr. Wilson reports an excellent season. They are just planting two houses, 6,000 plants, to single stem chrysanthemums. They are growing the show plants in the house this year, and the stock is looking well; two grafted specimens have already 50 varieties taken on each plant. The sales of Boston fern are enormous. Mr. Wilson is preparing specimen plants in from 6-inch up to 12-inch pots for the Fall trade. Asparagus decumbens is likely to be the coming favorite among florists. The show zonal standard geraniums are just now ready to form heads, the dwarf ones being very sturdy, and in 9-inch pots. The palms are very healthy; the collection includes a fine lot just in from Germany.

Some Fine Pæonies.

P. S. Peterson & Son's pæony field has been a blaze of color and a great attraction all last week. The firm has many new varieties of its own raising. The Drop White, of our market, is old Festiva, with a bright blotch in the center. W. Peterson has two improved forms. Marie Lemoine, Reubens, Water Lily, Alice Crosse and Rosea alba were very noticeable at time of our visit. The firm has 150 new varieties planted on trial.

State of Trade.

There is no complaint regarding trade just now. Friday and Saturday of last week were really good days, and this week business is expected to be better; in fact, early in the week there were not enough carnations sent in to supply the demand. This is partly owing to the big growers not caring to pick close and get prices too low. It is safe to say an order for 100,000 carnations could be filled in 24 hours' notice, say at $10 per 1,000.

Roses are coming in a good deal mildewed, and first-class stock is none too plentiful. Pæonies will sell well all this week, although many varieties are now over on the outside. There is good call this year for a yellow Iris, at 50c. per bunch. Quantities of Cypripedium spectabile, from the swamps of Indiana, the finest seen in years, sell at 50c. per dozen. Bunches of white clematis are also abundant, as are all kinds of flowers of the season. Sweet peas are plentiful, except choice colors, and whites are often short. Lilies and callas, now they are scarce, are in demand again, at $1.25 to $1.50 per dozen.

New Buildings.

N. Wilter and Wm. L. Thill will be new beginners for next year. They have 30,000 carnations afield, purchased of Peter Reinberg. They will build, at 800 Wesley avenue, South Evanston, a range of nine houses, each 26x150 feet, heated by steam.

Wieland & Risch will also build 60,000 to 75,000 feet addition to the present plant.

Round About.

The rose garden in Wooded Island this year is a picture. The mild Winter and cool days for June is the supposed cause. It was estimated 50,000 people viewed the garden last Sunday. It is a grand memorial of World's Fair days, and Mr. Kants may well be proud of his success in growing hardy h. p. and June roses. We will give full particulars next week.

A. De Thier has succeeded J. Jenson as superintendent of Humboldt Park.

A white pompon chrysanthemum, in full flower, was on exhibition at Beamud's on Monday, said to have been raised from seed by a private gardener in the city. Ess.



Lord & Burnham Co. Trophy, New York.

Cincinnati.

The Market.

Business still remains good in this city, and stock is moving nicely. Roses are beginning to show the effects of mildew in some localities, but from others are coming in clean and in fine condition; 4c. is the ruling price on the best grade, while seconds and thirds sell at 2c. and 3c. Carnations are holding out nicely, at $1 per 100 for ordinary, and $1.25 to $1.50 for good. Fancy stock, strictly speaking, is out of the market. Sweet peas are arriving in large quantities, and 25c. is about top notch for them. Some extra good pæonies in pink and white bring 3c. to 4c. Lily of the valley sells well at 4c.

The trade for school commencements and weddings this month has been far in advance of former years.

The News.

The work of Park Superintendent Critchell is already beginning to show. In Garfield Park he has taken the various collections of palms, which have heretofore remained in the city greenhouses, and planted them all through the park, giving same quite a tropical effect. He is also carrying out the same idea in the other small parks in the city.

George & Allan bought the W. C. Nolan place, which was sold at auction on the 12th.

E. Hall, of Clyde, Ohio, is in the city selling his wheel hoe. This is one of the inventions of the age for keeping weeds down. A man, with this hoe, in a carnation field in one day can do more work than three men in the old way, and can do it much better and with more ease.

Geo. S. Bartlett informs me he is having a fine sale on his bone flour. This shows that the craft knows a good thing when they use it.

Carnations in the field never looked better than they do now in this locality. We have had plenty of seasonable rains, and all outdoor stock is in elegant shape.

Miss White, of Anderson & White, Lexington, Ky., was a caller this week.

E. G. GILLETT.

Kansas City, Mo.

An Excellent Example.

Too much cannot be said in favor of the movement started by the Kansas City Times to beautify the city lawns and present a good appearance for the coming National Democratic Convention, July 4, and as there is the solid inducement of $1,600, in 40 premiums, it has had the effect of creating flower beds and the placing of shrubs in places where their presence was hitherto unknown. This movement, as one can readily see, will not stop with the season of 1900, and to the florist it means a great deal. Our customers who usually content themselves with two dozen plants of as many different varieties, have found that they cannot attain the desired effect with this conglomerate selection, and in consequence we see many fine beds of solid colors. Some very fine terrace work may be observed, and, though carried out by amateurs, it would do credit to the craft.

Jottings.

The greenhouses present a deserted appearance, and many of the florists are breaking ground for new structures. A. F. Barbe has two large houses nearly completed, and is swelling his range to one of the first in Kansas City. S. Murray has improved his city conservatory and store. Stakes have been driven preparatory to building a first-class range, on private grounds, in Hyde Park.

The demand for bedding plants and shrubbery was about 30 per cent. over last year's; and "experienced help" has been the cry from many florists for the work on private grounds. D.

Tarrytown, N. Y.

The Tarrytown Horticultural Society held its first June show on the evening of the 14th. The quality of the exhibits was excellent, strawberries in particular being very fine. Wm. Turner, A. Taafe and Wm. Scott were the principal prize-takers. Mr. Scott and H. Nichol were ahead in the rose classes. Numerous special exhibits were shown in vegetables, fruits, etc., all being suitably recognized by the society.



New York.—Monday, June 11, was quite warm and the bowlers were rather tardy in putting in their appearance at the alleys. Below are the scores made:

	1	2	3
J. Manda	154	167	144
W. Marshall	226	150	142
T. J. Lang	179	162	186
A. S. Burns	..	111	118
P. O'Mara	..	160	112
J. I. Doulan	..	161	109
T. Roehrs	..	..	119
F. H. Traendly	..	..	141

New York.—The undernoted scores were made on Monday evening last:

	1	2	3
F. H. Traendly	145	155	134
C. Schenck	140	154	150
T. J. Lang	159	148	158
A. S. Burns	131	125	104
J. A. Manda	154	149	137
A. Von Asch	115	108	89
W. Marshall	89	133	124
W. Adams	84	84	80
J. I. Doulan	..	..	172

The Lord & Burnham Co. Bowling Trophy.

We present herewith an excellent photograph of the Lord & Burnham cup. This trophy is to be offered by the New York Florists' Club at the annual S. A. F. O. H. tournament for competition between the various clubs, the club making the highest score in the three games to hold it for one year, and the cup to be offered for competition at the next annual tournament. Should the same club win it twice in succession it becomes the property of that club.

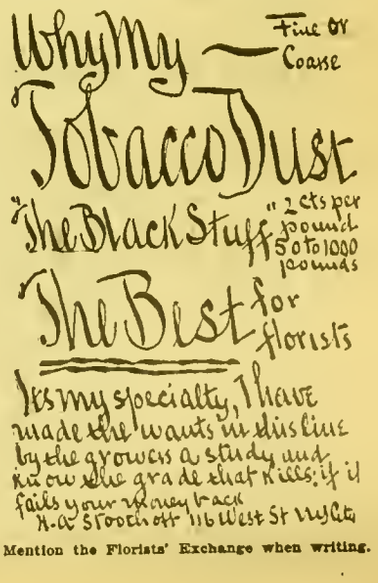
Ottawa.

Moderately warm days and cool nights have been the order of the weather for the past week, and it is giving the carnations a fine send off. Two weeks ago Ottawa was treated to a genuine hail storm, which did considerable damage to everything planted out. C. Scrim lost about 150 lights of glass; fortunately the storm was of short duration.

The Spring plant business is about over; in fact, it has to be, for most of the florists are sold out. This has been the best season that Ottawa has ever had; and that in face of the big fire. Prices have been good. There has been an immense demand for scarlet geraniums and the call for veranda boxes has increased nearly a hundred per cent.

The cut-flower business continues very fair and the supply good; but as all are now planting roses these will soon be short enough.

Owing to a backward season the rose show has been postponed until the 26th. E.



FOUNDED IN 1888.

FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico. To foreign countries in postal union $2.00. Payable in advance. The date on the address label indicates when subscription expires.

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PLANTS and FLOWERS.

GERANIUMS.—C. H. Gerbig, Archbald, Pa., sends, us a flower truss of a new geranium, a seedling of 1899, and numbered 77. The truss is of good size and borne on a stout stem. The individual flowers are single, of medium size, and a pleasing color, being a suffused carmine on a white ground, deepening at the outer edge and shading lighter toward the base of the petals.

We acknowledge receipt with thanks, of a bunch of cut flowers, from H. Beaulieu, Woodhaven, N. Y. Prominent in the lot were some fine flowers of that chaste white pansy, Cecil Davy.

We acknowledge receipt from the International Navigation Company (American Line—Red Star Line), 73 Broadway, New York, of a neat type measure and rule, giving also full list of the company's steamers and offices.

It is expected that the American Dahlia Society will hold its annual exhibition for 1901 at Buffalo.

Flowers at Funerals a Necessity.

Editor Florists' Exchange.

Referring to your article, page 606, of June 16 issue, relative to an opinion handed down by the Rhode Island Supreme Court, permit me to say that you take the wrong view of the case, inasmuch as the party that ordered the flowers did not seek to avoid payment. On the contrary, she wished to have the bill settled, but the administrator of the estate desired to avoid payment, claiming that the sister-in-law of the deceased had no authority to order flowers. However, the sister-in-law (being the nearest relative) did order them and, of course, had the bill charged to the estate. The judge, therefore, holds that the account be paid, the flowers being a necessity in common with other funeral fixings.

C. S. MACNAIR.

Providence, R. I.

OBITUARY.

Charles F. W. Neuner.

Charles F. W. Neuner, one of the pioneer florists of Louisville, and one of the originators of the firm of Nanz & Neuner, died of a complication of diseases at the home of his brother-in-law, June 18.

Mr. Neuner was 52 years of age, and was one of the best known German citizens of Louisville. Four years ago he gave up the business which he had followed all of his life, and entered the life insurance business.

Mr. Neuner was born in Berg, near Stuttgart, Wurtemberg, Germany, where his father was the King's gardener. In 1868 he came to the United States in company with his brother Alfred, who died in January. He secured a position in Rochester, where he remained for two years. In 1870, while representing his employers, he arrived in Louisville, where he met Mr. Nanz. Both recognized Louisville as an admirable field for a large floral concern, and a partnership was formed. Three years later he married Miss Louise Nanz, who, with four children, survives him. Mr. Neuner was never publicly known as a member of the firm of Nanz & Neuner until four years ago, when he retired. J. S.

CHANGES IN BUSINESS.

KINGFISHER, O. T.—Mrs. J. W. Preston has started in the florist's business here.

NEW LONDON, CONN.—E. A. Smith, of Westerly, will start a florist store here.

COLLEGE POINT, L. I.—John Bindhamer has sold his greenhouses to W. Schnell of this place.

WESTFIELD, MASS.—Mrs. E. M. Mesick has decided to go out of business, and has given up her store and greenhouse. She had been engaged in the florist trade for three years.

LOWELL, MASS.—Paul R. Burtt has purchased the establishment of Edwin Sheppard on Fairmunt street. Mr. Murphy, formerly at Howe's, Marlboro, is now foreman for Mr. Burtt.

BLOOMINGTON, ILL.—Miller Park C. Franke has started in the florist business at Yuton. He has rented 40 acres of land there, and will grow gladioli and asters for the Chicago and other markets.

Firms Who Are Building.

TITUSVILLE, PA.—W. Bay has 5000 square feet of glass under construction.

WHITMAN, MASS.—Robert Moir has commenced work on two large greenhouses.

TOPEKA, KAN.—The Park Department will build a greenhouse 40x80 feet, plans for which are now under way.

ROCHESTER, N. Y.—Chas. E. Fry has begun the erection of a carnation house 22x130 feet, ¾-span, and a violet house, 12x100 feet.—A.

POUGHKEEPSIE, N. Y.—The new greenhouses of John T. Sullivan and Charles Henlon on their respective places are nearing completion.

WHITMAN, MASS.—Mrs. R. Moir, florist, will build two more houses, each over 100 feet in length. When completed she will then have seven greenhouses.

SEEN, HEARD AND READ.

The Summer show of the American Rose Society can hardly be characterized as a success; yet as a first effort it may be considered encouraging. The woeful lack of support accorded it by the trade at large, even by the society's own members, was one of the most noticeable features.

The private gardeners, too, were not much in evidence, and it is scarcely creditable to them that "press gang" methods were necessary in order to bring the majority of those appearing to the exhibition hall with their flowers. Visitors, not exhibitors, among the gardening craft, explained the absence of their displays by the tale that they thought their flowers were not good enough or up to exhibition quality, but when they viewed those actually on show were sorry their own blooms were left at home. This discretion might pass as commendable under other existing conditions as to weather, etc., but seeing all outside stock in the neighborhood was on the same footing this year, it cannot be said that any real progressive "exhibition" spirit was exemplified by the action. We had looked for less of the "sure thing" idea as to prize winning and more of that speculative element that characterizes the true "sporting" gardener.

As regards the tradesmen, they had more at stake; midsummer is not a favorable period to display greenhouse products, and the commercial men probably acted wisely in leaving well enough alone. But if the private gardener and the amateur are to continue to exhibit the laissez-faire spirit that permeated last week's proceedings, at future June shows, one of the primary, and really the most essential, objects for which the society was created—that of interesting the people in the cultivation of garden roses—is frustrated. This nonchalance should, if possible, be removed, and it is the Rose Society's duty to do it.

* * * *

Some not very commendatory remarks were heard as to the advisability of holding the society's shows in a place of public amusement. Wax figures, chamber of horrors and such like accessories, with the cinematograph scenes thrown in, are not compatible with a floral exhibition, although, it seems, they, especially the wax figures, afforded lots of fun for some of the up state visitors. Besides, they have a counteracting influence; many would prefer to look at "Bobs," "Oom Paul," or "Charlotte Corday," to viewing Mrs. John Laing, Magna Charta or Alfred Colomb. Let the rose show stand on its own bottom—it can do it, if properly supported.

* * * *

The show, however, demonstrated one thing, viz., that several rose hybridizers are quietly pursuing their patient, painstaking work, the results of which are beginning to tell, especially in the fine crosses obtained of Rosa Wichuraiana and some of the teas.

* * * *

An attendance of eight does not augur well for the newly created Horticultural Society of New York. Perhaps the weather was too warm, or the need for such an institution was not as fully appreciated by the public as it was by the eight enthusiasts, who made their presence felt, and voted to hold a chrysanthemum show in connection with the American Institute.

* * * *

The gardeners, too, want to hold a chrysanthemum show this Fall. This is a case where the "more the merrier" is to create greater harm than good. Why not consolidate efforts and hold an exhibition worthy of New York, the Florists' Club also taking part, and thus keep up the interest which the S. A. F. Convention and exhibition in August are bound to create. But keep the show away from live stock, automatons and other like "contrapshuns," they won't harmonize with it.

* * * *

It is amusing sometimes how the "types" get mixed. The following account of a wedding decoration affords a good example of the many ridiculous things for which the printer (?) is responsible:

"The church was finely decorated with holly and evergreen and the altar was entirely hidden in a wealth of flowers. Out of the recesses rose rare tropical plants, and from the ceiling hung 15 Western veals, which just at the time of the year are scarce and corresponding dear at 6a8½c. per pound. There was also an active demand for choice lambs and farmers living east of the Mississippi River can now profitably turn to sheep raising and take the bride, who wore a gown of white corded silk, a creation of Worth's, with pearl ornaments.

"Then came the maid of honor, the cousin of the bride, a Miss Henriette Blower, of Chicago, wearing a dress of white tulle, with diamond ornaments and she was closely followed by a small bunch of Montana sheep, which bleated most piteously as they were driven on board and shipped to the Winter hotel in Bermuda. They will there be cut extraine and slightly decollette, and after the remainder of the party had reached the rail the minister turned and said in a most impressive voice: 'I cannot bid more than 6½ cents for state veals, but cablegrams from London quote refrigerated beef at a price that will enable me to pay $4.90 for a car of choice Indiana beeves,' and hearing this there was a rush for the young married couple, and the bride fell into the arms of her father, who is known to bear a very striking resemblance to a Connecticut ox weighing 1,875 pounds. The market here took a upward turn and advanced 1a2c., and the guests, who numbered about 200 were served with a sumptuous dinner at the house of the bride."

New York.

Market Notes.

Since Tuesday morning the wholesale district has presented a healthier appearance than has prevailed there for some time previous. This has not been brought about by any increase in the demand for flowers, but is the result chiefly of the sudden falling off in the supply, the low wholesale prices having undoubt tempted many growers to throw out stock and commence replanting.

The supply of roses has diminished fully 75 per cent.; there is just about enough business to use them up from day to day, and dealers are not under the necessity of holding them over by thousands, as was the case a week ago.

During the latter part of this week special Beauty brought 25c. each. These had to be select stock, however, and those sold at that figure represent but a small portion of the Beauty with long stems that are at present coming in. Where the heads were not perfect the flowers have gone at any price nearly some as low as $6 per 100. Special Bride and Bridesmaid have brought $5 and $5, and a few extra fine blooms have realized $6 per 100.

Cattleyas are coming in in fairly large quantities, and they are beautiful as a Summer flower. Several commission dealers are receiving them regularly nearly all the year round, and these orchids have become one of the staple flowers of the trade.

Carnations went very slow at the beginning of the week, but improved greatly by Thursday. The extremely low prices are not heard of any more. Standard grade flowers are bringing 50c. and 75c. per 100, when they are fresh. Flora Hill and such fancy stock bring $1.

Gladiolus of the lighter colors are in fair demand, and an increase in price over last week is noticed; some of the very choicest have realized $1 per dozen spikes.

Blue corn flowers have sold very poorly all Spring; so also have the other varieties of centaurea. Excellent blooms of the latter do not at present bring more than 50c. per 100. Sweet peas, both white and pink, bring 2c. and 3c. a bunch; other colors are not much in evidence at present.

Lily of the valley is now bringing from $1.50 to $2.00, but it sold much cheaper earlier in the week.

Among the retailers school commencements are furnishing the most of the business doing.

Thorley will open a branch store about October 1, on the corner of 45th street and Fifth avenue.

The New York Market Florists' Association held a meeting Tuesday evening, at which 13 members were present. Asa Brown was elected a member of the association. President Fred. Lehnig, in a few words, stated the object of the meeting. He said that part of the roof of the market had fallen down and something must be done, or there would be no shelter for next year. After due deliberation a committee was appointed to get the help of two or three resident New York men and go before the Controller for relief. As a resolution has already been passed by the City Council, that a new

market be built on the site of the present old structure, it seems possible that something may be accomplished. The committee appointed was composed of Messrs. Steinhoff, Nicol, Schafer and Dryer. Another meeting will be called in one month or earlier, to hear the report of the committee.

Jottings.

A. Winnefeld will leave shortly for a visit to Germany.

W. F. Sheridan is away in Maine on a fishing excursion.

W. Ghormley attended the Republican Convention at Philadelphia this week.

Commencing July 1 the New York Cut Flower Co. will close at 4 p. m. daily, except Saturday.

The Greenwood Florists' Association will hold its annual outing at Ulmer Park next month.

Visitors: J. A. Evans, Richmond, Ind.; John Hall, secretary of the Western New York Horticultural Society, Rochester, N. Y.—the latter en route to Europe.

Great interest is centering in the annual fishing excursion of the employees of P. L. Bogart, which occurs on Wednesday, July 11, and the event promises to be the best ever held.

J. Austin Shaw is now traveling in the West in the interests of the Jackson & Perkins Co., the wholesale nurserymen of Newark, N. Y.

The auction season at Wm. Elliott & Sons will close on Tuesday, June 26, with their annual trade sale of plants for florists.

Cleary & Co. will hold their last auction sale of the season on Friday, June 29.

St. Louis.

Market Report.

The general closing of the schools created quite a little activity in trade circles the past week. Good roses were in demand and short supply, the best Kaiserin selling as high as 6c. and from that down to 2c. for the poorest. The extra demand for roses also made carnations and sweet peas go better. Of the former there was no great surplus. Sweet peas are, however, too abundant to make any impression. With the above exception, things are very quiet.

Notes.

R. J. Mohr, of the Missouri Botanical Garden, left for Philadelphia to attend the Turners meet there.

Bedding is entirely over, except a very few late jobs. We believe every one is well cleaned out, and the season has been a fairly good one. Owing to the very favorable weather, the plants have grown luxuriantly.

The bedding in Forest Park has been considerably changed for the better this year, and will shortly look its best. One of the prettiest sights there is a group of Crimson Rambler roses, even though they are now past their prime. This is the first year we have had the Rambler out to perfection, and it has proved a very attractive thing; the sales of it will no doubt increase next year.

Club Meeting.

The regular monthly meeting took place on the 14th, the attendance not being as good as was expected and hoped for, owing no doubt to the trouble experienced in getting to the meeting place, for while the strike is practically over, it is dangerous in some parts of the town to ride on a street car. Among other business done was the passing of a vote of sympathy to Mr. and Mrs. J. J. Beneke, on the loss by death of their daughter Helen. A committee was appointed by the chair to draw up resolutions.

J. W. Kunz was appointed to make inquiries as to railroad rates to New York. As yet not many here have made up their minds to go to the convention, and it is rather doubtful if St. Louis will be represented in the bowling tournament at all. However, there is some little time to think the matter over, and possibly a goodly crowd may be gotten together after all. All who intend going will please notify Mr. Kunz as soon as possible.

By vote of the club it was decided to have the regular picnic in July again this year, and the trustees were instructed to make the necessary arrangements.

Owing to the poor attendance and there being only two exhibits, it was voted to carry over the miscellaneous flower display till next meeting. Now that the World's Fair is an assured fact, the question of increasing the club's subscription came up. It was decided by vote that the present amount was all the members could contribute at present.

Mr. Kunz asked if the club, as was common with other bodies, wished to take any action on the present railway strike. Knives were immediately drawn, even up to the president, and Mr. K. hastily withdrew his proposition.

C. C. S.

Philadelphia.

Market Unchanged.

There has not been any change in the condition of cut flower trade since last report. Business has been quiet the past week, and all attention has been devoted to the Republican convention, which did not bring much business to the florist.

Pennsylvania Horticultural Society.

The Pennsylvania Horticultural Society met on Tuesday last. There was a very large attendance, especially of ladies. For the past five years the society has not held meetings in July and August, but at the present one it was decided to hold meetings this year in these months. Many of the gardeners present promised to send exhibits. Some good papers were also promised. The meeting on Tuesday last was devoted to sweet peas. Many exhibits were staged in competition for the premiums offered by Henry F. Michell. For the best vase of pink sweet peas, Francis Canning, gardener to Mr. Sam. L. Bodine, Esq., Villa Nova, took first; Victor Holmes, Jr., gardener to Mr. C. L. Bone, Jr., Jenkinstown, second. For best collection of sweet peas, Wm. Robertson, gardener to Mr. J. W. Pepper, Esq., Jenkinstown, was first, and Ernst Schrieber, gardener to Mr. Wm. L. Elkins, Ashbourne, second. Alphonse Pericat, gardener to Mrs. Geo. B. Wilson, West Philadelphia, exhibited a fine lot of orchids and was awarded a silver medal and three certificates. Ernst Schrieber staged three plants of double tuberous begonias, which were greatly admired and received special mention.

Joseph Hurley read a paper on the "Culture of Asparagus." Wm. Kleinheinz read one on the "Culture of Hybrid Calceolarias." These will be given in a future issue.

DAVID RUST.

Newport, R. I.

The Newport Horticultural Society's Rose and Strawberry Show, which was to have been given June 19 and 20, has been postponed to June 26 and 27.

Luke Fagan, one of the best known among the gardeners here, died at his home on the 14th inst., death being due to cancer of the throat. He had been for nearly 40 years in charge of the James Gordon Bennett estate, and was universally respected by all who knew him. A widow, one son and a daughter survive him.

In view of the rapid spread of the San José scale and other insect pests dangerous to vegetation, the Newport Horticultural Society in August, 1899, commenced to agitate the question of having a state entomologist appointed. A committee of five was selected to take the matter in charge, and as the result of their labors a bill was presented at the January, 1900, session of the General Assembly and referred to the Judiciary Committee. Two hearings were given, one in Newport, May 30, and another in Providence, June 12, both being well attended by parties interested. Yet the public at large do not seem to realize the importance of the act. The bill was tabled for the present, which course is much regretted by those best posted on the question.

MAC.

Boston.

A special auction sale will be held at N. F. McCarthy & Co.'s rooms, on Friday, June 29. The stock will consist of 15,000 Boston ferns and about 20,000 young rose plants, all grown by Wm. H. Elliott, of Brighton, Mass.

Providence, R. I.

The regular monthly meeting of the Florists and Gardeners' Club of Rhode Island was held in the Franklin Building, Thursday night, June 14, and was largely attended. The principal topic of discussion was the trip to the annual convention of the Society of American Florists to be held in New York City in August. It is expected that there will be a delegation of nearly 100. Upon invitation of President James Hocking, it was voted to hold a picnic some time in July upon the grounds of the Dunnell estate at Pawtucket. William Maxfield, of Barrington, exhibited some promising carnations, while Walter Nichol showed some handsome sweet peas.

A Business Paper FOR Business Men: The FLORISTS' EXCHANGE

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BRIEFS FOR BUSY FLORISTS.

ASPARAGUS.—The Summer season is the best time to start an asparagus bed, and as there is no green grown that can be turned to more uses than this (whether cut in strings or sprays), there should be a bed of it on every florist's place. It does best when grown in a solid bed. This should be made on the floor of a house where there is 8 feet or more head room. The sides of the bed may be made of 2-inch plank, and a height of 15 inches will be sufficient. Place in the bottom 2 or 3 inches of good drainage material; small stones or broken bricks are to be preferred. Then fill in the bed with good fresh soil, adding one-fifth of well-rotted manure thoroughly mixed with the soil. As the bed is intended to be in use for several years it is imperative that the soil used should be perfectly new, and if virgin loam can be obtained (that is, the top soil of a pasture that has not been under the plow for a number of years), the results will be better and prove more lasting. Fill the bed full and have it evenly firm all over, being careful not to pack it down hard in one place and loose in another. When planting get two-year-old plants if possible, and use the two varieties, A. plumosus nanus and A. Sprengerii. The latter variety will send up long strings, same as the former one does, if allowed to do so. The planting may be done as late as the last week in July, and good strings will be ready by November 1; though if the house is at liberty, and the stock is obtainable, the planting should be done any time after the first of June, as there is good sale for the crop when got in earlier in the Fall. Put the plants in rows, 12 inches apart in the row and 15 inches apart between the rows. After the planting is completed run a wire across the surface of the bed, as near to the plants as possible without disturbing them, drawing it tight and fastening it securely to the plank at each side of the bed. Then fix a corresponding wire overhead, at a height of 8 or 10 feet, or as high as is thought necessary, depending chiefly upon how long the strings are expected to be grown before cutting them. When the wires are thus permanently fixed thread or twine should be tied from the bottom to the top wire at each plant, and the bed is complete. As the shoots appear turn the tip once or twice around the thread, and they need no other training. Water sparingly until growth has fairly started. When growing the plants require plenty of water, but when they are not growing an over-supply is the worst thing that can happen to them.

The after-treatment is simplicity itself. Syringe regularly when fire heat is on. Commence cutting at one end of the bed and clear the bed from that end on, instead of picking out a string here and there. This is necessary, as the plants that are cut down must be watered very sparingly until growth commences. When the bed has been completely cut down, and is again showing activity, give a mulch of well-rotted manure, and it is ready for another year.

ASPIDISTRAS.—This is a good time to increase the stock of these hardy decorative plants. Although there are many more decorative subjects, there are none, we believe, that will stand the neglect and abuse that aspidistras will, and owing to this feature chiefly we shall always have a demand for them. Take a few old plants, knock them out of the pots, shake the soil from them and cut each leaf apart with a few of the roots attached. Pot these up into 3-inch pots, or, if convenient, plant on a shallow bench in a shaded greenhouse, and pot them up when necessary.

BOSTON FERNS.—Young plants that are being grown along for next Winter's sales may be planted on a side bench, where they will thrive and do much better than if kept in pots all Summer. A shallow bench is to be preferred, 2 or 3 inches of soil being all that is needed for them.

Candytuft.

The candytuft shown in the picture was grown by Wm. Sim, of Cliftondale, Mass., and is a revelation to growers of this very useful flower. Mr. Sim has raised candytuft with marked success for some years, but this year's crop far excels anything he has ever obtained in this line. The picture shows a vase of 25 stalks of some of the selected stock. From tip to tip across the vase measured slightly over 4 feet. The Massachusetts Horticultural Society recently awarded Mr. Sim a "certificate of merit for superior cultivation of candytuft," for a vase exhibited about four weeks ago.

F. J. N.

Origin and Amelioration of the Garden Gladioli.

I am happy to state that M. Lemoine, on my appeal for a few notes for the FLORISTS' EXCHANGE on his work on the field of gladioli raising, has very kindly furnished me with very complete information. In the following abstract I shall endeavor to give all the data which seem to me of general interest.

The genus gladiolus was well known and quite popular in European, especially in English and French, gardens two centuries ago. More than 90 species are now described by the botanists; all of them are indigenous of the old world, South Africa and southern Europe being the home of most of them. Of the many different kinds which were successively taken into cultivation I shall only name a few, those which have played a prominent part in the development of our present-day garden races. Even these have now nearly entirely disappeared, except from botanical collections.

G. communis, of southern Europe, was very early cultivated in English gardens. Most of the African gladioli were introduced into England from the Cape toward the middle of the last century. Of these we may mention G. angustus, G. blandus, G. trimaculatus, G. tristis, G. ramosus, etc.



Twenty-Five Stalks of Candytuft.
Grown by Wm. Sim, Cliftondale, Mass.

About the end of 1700 followed G. cardinalis and G. floribundus, also from the Cape. G. psittacinus (syn. natalensis) made its appearance in 1824. Later G. papilio and G. atroviolacens were brought to England from Palestine, and finally in 1870 William Bull received G. purpurea-auratus from Natal, which was followed by G. Saundersii, from the same country. This last acquisition flowered in the Kew Gardens in 1872 for the first time.

Being of easy culture, very floriferous and quite hardy the gladioli have very early won for themselves numerous devotees, mostly amateur gardeners. Since their first appearance in the English gardens they have been subjected to artificial cross-fertilization and with success. Thus in 1820 Dean Herbert, of Spofforth, England, had obtained a number of pretty hybrids from the earliest Cape introductions. Later on a few growers paid more attention to those species which, flowering very early, responded readily to a special forcing method. The intercrossing of these early bloomers was the starting point of one of the groups of gladioli, which at this date are so popular with European florists. We may call this the Colvillei group. The type of these suggest their origin as a mixture of the blood of G. cardinalis, G. communis, G. floribundus, G. ramosus, etc. They nearly all bear the characteristic purplish blotch of the G. ramosus.

The Holland bulb growers produce this race of gladioli in large quantities yearly, and the forcing of them is quite a specialty with the florists of the Channel Islands, Belgium, France and Germany. The favored varieties, such as Colvillei, G. albus (the Bride), Queen Victoria, Ardens, Formosissimus, and many more, are well known. About the time of this writing (May 20) the shop windows here are full of these flowers. The little bulbs are planted in pots or in beds from October to December, kept in a cool house, or pit, and without much care, except proper airing, come naturally in blooms in the order in which they have been planted. The "Bride" seems to be the favored one of all.

The next distinctive group, much more diversified in color and shape, the G. gandavensis, originated from a cross of G. psittacinus and G. cardinalis. Beddinghaus, gardener to the Duke of Aremberg (Belgium), had the happy thought of carrying out this delicate operation in 1837, and Louis Van Houtte purchased nearly the whole stock of seedlings, naming them G. gandavensis (they are popularly known as Ghent gladioli). Of the G. psittacinus the new race has kept the structure of the inflorescence, and the G. cardinalis blood infused the color. The late Van Houtte (1841) described the new seedling enthusiastically: The dimensions excel those of ramosus, the majestic corollæ, 17 to 20 in number, are of the brightest vermilion; the inferior petals are painted with chrome and amaranth and beautifully contrast with the sky-blue anthers. M. Lemoine says: The present-day gandavensis varieties are in every respect so far superior to this original type that it is almost impossible to imagine how it could create such enthusiasm. The new seedling was rapidly and widely disseminated out of the hands of this famous Belgian horticulturist, and soon many busy hands worked on its further improvements. Crossed with G. floribundus it produced the G. Wilmoreanus, with white flowers striped with pink, and pollenizing it with G. blandus and G. ramosus M. Souchet, a French grower, obtained about 1853, not only a well formed open large corolla, but also a greater hardiness and a large diversity of color, from white tinged with lemon-yellow to the darkest carmine and purple. But these fine acquisitions have also since been much improved, and could not bear comparison with the fine varieties which the European and American specialist send out to-day.

While most of the gladioli amateurs continued in the line of work which had given these wonderful results, M. Victor Lemoine traced himself a different course. When in 1870 G. purpurea-auratus had been introduced from Natal, observing its absolute hardiness, its freedom of growth in all kinds of soil, and the readiness of multiplying itself by young bulblets, he determined to try to impart these valuable qualities to the gandavensis race, which had already acquired such great perfection in its flowers. We know how successful he was, and how even the flowers of the gandavensis gained new forms and coloration through his subsequent hybridizations; but he never lost sight of his special aim, and he assures me that many fine-flowered varieties were discarded, or at least never sent out, because they did not stand the rigorous Winter test to which all were subjected. M. Lemoine calls his new race "the hardy blotched hybrids." I think they are more generally known as the Lemoinei group.

The seed parent of this group is the above named G. purpurea-auratus. A short description of it may be of interest: The rather broad glaucous green foliage attains a height of about 1½ feet. The flower stalk is thin, and about 3 feet high; at the base of the first flowers it generally develops two lateral branches; the upper part is arched and thus carried nearly horizontal. The flowers bent downward against the stalk are of light sulphur yellow, and the two inferior lateral petals are marked with a purplish blotch. The bulbs are very small, about one inch in diameter. The first hybridization was carried out in 1875, and two years later three plants came into bloom. One was discarded on account of its color, and the remaining two received the names of G. Lemoinei and Marie Lemoine, respectively. The first one was of pinkish white ground color, and the latter straw colored; both showed the characteristic blotches of the seed parent, which were purple with a margin of yellow. These two new hybrids proved perfectly hardy and endowed with all the good qualities of the Natal parent.

Lemoine now turned his attention to the coloration of the flowers, and using the best gandavensis varieties he brought the pollen of these on his new seedlings. This studious work was as successful as the former, and in 1882 he could send out five new varieties. All new seedlings had to pass the Winter test, and it now proved that those which showed the Lemoinei character the most (the smallness of bulbs and well-marked blotches) were the hardiest. Each succeeding year brought more and finer forms, and the 1900 catalogue enumerates about 200 varieties. The variation of color which has now been obtained in this race is marvellous, and not the least striking the increasing clearness of blue tints. A few varieties are of very marked earliness of bloom and promise the advent of a new group, which would, of course, immensely increase its value as a florist's flower. (I may mention "Avant Garde" flowering at the beginning of July.)

As the last introduction, also for Natal, I mentioned G. Saundersii. This species, too, was called to play a prominent part in the gladioli history. It is a rather low-growing species; the flower stalks are rarely more than 2 feet high; the leaves are short, but the flowers, though the number per stalk is small, are of large size. The ground color is pale scarlet, and toward the base the three inferior petals are finely spotted with white and rose. The species is quite hardy and free of growth. It seems that Leichtlin, a German amateur, was the first to make use of this species for artificial hybridization. By fertilizing the gandavensis variety with it Leichtlin obtained hybrids with larger flowers and quite a variety of new color combinations. It appears that he did not follow up this work and that his entire collection was sold to U. S. A.

In 1883 Lemoine made his first crossing trials with this newest Natal species, but instead of taking the gandavensis variety, as did Leichtlin, he chose his best Lemoinei types, and this time he brought the Lemoinei pollen upon the G. Saundersii and made the inverse cross as well. By the first cross a goodly number of seeds was raised, but only four of them germinated. Of the four plants, which in 1885 flowered, two only were kept and later named President Carnot and Maurice de Vilmorin. The inverse cross yielded many seeds, and these germinated freely; but the flowers proved inferior to those just named. The two new hybrids, President Carnot and Maurice de Vilmorin, were in their turn the starting point of another distinct race, which is known as the Nanceianus group.

By subsequent crossings this group acquired, like the Lemoinei varieties, a great diversity of color combinations. But the flowers preserved the characteristic large, open form of the two original hybrids, and also their peculiar and very prettily dotted blotches. The flowers measure up to 6 inches across, and in some instances even more; they are symmetrical in shape and well rounded. About 100 varieties have already been sent out. This group seems to be destined to gradually embody all the good qualities of the other groups. The Nan-

celanus varieties are perfectly hardy, grow very freely in any kind of soil, carry and present their brilliant flowers boldly and well on long, stiff, substantial stems, and they produce a large number of new bulbs yearly, thus multiplying very rapidly.

It may be useful to mention that these two groups which Lemoine raised are considerably earlier in bloom than the gaudavensis varieties. For this reason alone they should receive due attention from those, for whom a succession of bloom is valuable. If they are planted successively in March, April and May, choosing the early varieties for the March planting, flowers may be had from the middle of July until frost. Where, on account of the stiffness of the soil, the Gandavensis do not give satisfaction, these varieties will prove invaluable.

I asked M. Lemoine if, in the pursuance of his work of improving the gladioli, he had a definite ideal form and color of flower in view. My question was prompted by the marvelous success of the American carnationists, who seem to work along well defined lines toward a preconceived ideal aim.

M. Lemoine writes me as follows: "If a hybridist would at each step discard everything that does not directly point toward the form and color which he has set himself up as his ideal, he would thereby considerably diminish his chances of success. He will either be disappointed altogether and not find anything that will satisfy him, or at best he will obtain one or at least only a limited number of varieties of great similarity of character. For the work of creating new or improved races one has to allow one's self a larger scope. It would be altogether wrong to at once discard, as being out of the way indicated by the ideal aim, the many divergent forms which incidentally present themselves. Even if they themselves do not merit a place in the collection their progeny may turn out much more perfect varieties than would have been obtained if these odd, less perfect forms had been neglected."

T. E.

Bedding, Etc., at Newport, R. I.

Through the courtesy of Hugh Williamson, the gardener at "Beulieu," the estate of W. W. Astor, Esq., we present herewith two illustrations. No. 1 is a bed of Eulalia japonica zebrina with edging of Funkia odorata, and No. 2 a part of the interior of one of the greenhouses, the center bed of which is used in Summer as a lily tank, for which purpose it is well adapted. The principal varieties grown are Nymphæa devoniensis, N. dentata and N. cœrulea. Among the plants seen at the end of the house are dicksonias, Seaforthia elegans, Musa insignis, cycas, dracænas and pandanus in variety and Peristeria elata. The vines trained to the wire are allamandas, Begonia rubra being also used for the same purpose.

The photos are Mr. Williamson's handiwork.

"Beechwood," the summer home of Mrs. Astor, is shown at Fig. 1. The English ivy which covers the front of the house, as shown in the picture, is sheltered from the sea breezes, but is exposed to the western winds in Winter, yet it stands admirably without protection. The border of trees and shrubs to the left of the picture very effectively shuts off the view of the buildings in the rear. The picture gives only a faint idea of the number of specimen plants used to decorate the grounds in Summer. MAC.

[We present these illustrations for the helpful suggestions they contain to those florists upon whom devolves the work of looking after private conservatories and grounds.—ED.]



Fig. 1. "BEECHWOOD," THE SUMMER HOME OF MRS. ASTOR, AT NEWPORT, R. I.



View of greenhouse interior at "Beaulieu," home of W. W. Astor, Esq., Newport, R. I.



Bed of Eulalia japonica zebrina bordered with Funkia, on estate of W. W. Astor, Esq., Newport, R. I.

Business Methods.

How often one hears the remark, "There is no money in the florist's business now; I am no better off than a year ago." We shall not have very far to look for some of the causes of this. In many places I have found the stock all mixed up—geraniums, heliotrope, verbenas, etc., scattered about as if they had come down in a rain storm; the walks dirty and muddy, dead plants thrown under the benches—the whole place looking uninviting and not fit for a lady to walk through. Then again, the houses are glazed with 8x10 glass, and the wood work black with age. I am well aware that many a small florist can ill afford to buy paint, at present prices, but anyone can buy a bushel of unslacked lime, and if a good quantity of salt is mixed while slacking the mixture will not rub off and will last a couple of years. Go over walls, rafters, purlins; in fact, every part, and you will be surprised at the result. Instead of a dark wall of a house you will have one bright and cheerful. Take a few barrowfuls of ashes and scatter evenly over the walks. Place your stock together, each variety by itself; arrange your plants so as to make your houses as attractive as you can. Another item of great importance is the matter of tools. In many places, I know from experience, very little attention is paid to them; no one knows where anything is, and men lose time going around hunting for something they want to use. On a recent visit to Ernst Asmas' well ordered and well-kept place I saw printed on the tool house the following notice: "All tools must be returned to the man in charge, thoroughly cleaned after finishing the day's work, under penalty of 10 cents." Let me say here, Mr. Asmas' place is my ideal of a florist's establishment. Every nook and corner is clean, and everything in order fit for the President to go through at any time. Truly the successful men are those whose business is carried on with order and system.

Last, but by no means least, is the matter of keeping books; and I will say here that florists, as a rule, are the most careless of any class of business men in this respect. I know many who think a man is losing time who tries to have books kept as they should be; too often this most important work is left to some one else—son, daughter or friend—and entries are often left to memory with the result that many charges are forgotten, and would not be recalled unless some honest customer came to pay the bill. I venture to say hundreds of dollars are annually lost through this alone. Many florists keep only a day book, and to make out one's bill the whole month's entries have to be searched, which entails a loss of much time. I have known of many cases of customers calling to pay their account who have been sent away with the promise that the bill would be forwarded by mail, because of the time it would take to look over the books. If a ledger had been kept it would not have taken five minutes, providing the books had been posted properly each month.

No one should buy a single article on credit without entering it on the day book—be it cut flowers, pots, plants, or what not, and posting it up in the ledger; then at the end of each month a man can tell exactly how he stands. A list of all debtors, with the amount owing, should be made out, and if the bill has been running two or more months, if the figure 2 or 3 is placed against it, you can easily remind your customer by a polite note that you would like a settlement. As the bills are paid the names should be crossed off. About the middle of the month you can tell at a glance who needs looking up.

H. YOUELL.

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	Name and Varieties	New York June 22, 1900	Boston June 21, 1900	Philadelphia June 21, 1900	Baltimore June 21, 1900	Buffalo June 20, 1900
	A. BEAUTY, fancy—special	10.00 to 20.00	12.50 to 16.00	.... to 30.00	.. to	20.00 to 25.00
	" extra	8.00 to 10.00	8.00 to 10.0	.... to 25.00	16.00 to 25.00	12 00 to 15.00
	" No. 1	4.00 to 6.00	4.00 to 6.00	10.00 to 20.00	8.00 to 12.0	3.00 to 6.00
	" Culls & ordinary	.50 to 3.00	1.00 to 3.00	3.00 to 5.00	3.00 to 6.00	.... to ....
Roses	Bride, Maid, fancy—spc'l	3.00 to 6.00	6.00 to 8.00	2.00 to 6.00	.... to	1.00 to 6 00
Roses	" extra	2.00 to 3.00	4.00 to 5.00	2.00 to 6.00	3 00 to 5.00	1.00 to 6.00
Roses	" No. 1	1.00 to 2.00	2.00 to 3.00	.... to	3.00 to 5.00	.... to ....
Roses	" No. 2	.50 to 1.00	.... to 1.00	.... to	.... to	.... to ....
Roses	K. A. Victoria	3.00 to 5.00	2.00 to 8.00	2.00 to 6.00	3.00 to 5.00	2.00 to 6.00
Roses	La France	.... to	.... to	.... to	3.00 to 5.00	.... to ....
Roses	Meteor	1.00 to 3.00	1.00 to 6.00	2.00 to 6.00	2.00 to 5.00	1.00 to 6.00
Roses	Papa Gontier	.... to	.... to	.... to	.... to	.... to ....
Roses	Perle	1.00 to 2.00	1.00 to 5.00	2.00 to 4.00	2.00 to 3.00	1.00 to 3.00
Roses	Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
	ORCHIDS—Cattleyas	25.00 to 35.00	.... to	.... to 50.00	.... to	.... to ....
	Cypripediume	.... to	.... to	.... to	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	.35 to .50	.20 to .40	.25 to .50	.50 to .60	.50 to .60
Carnations	STANDARD VARIETIES White	.35 to .50	.... to .60	.75 to 1.00	.75 to 1.00	1 00 to 1.25
Carnations	STANDARD VARIETIES Pink	.35 to .50	.... to .50	.75 to 1.00	.75 to 1.00	1.00 to 1.25
Carnations	STANDARD VARIETIES Red	.35 to .50	.... to .50	.75 to 1.00	.75 to 1.00	1.00 to 1.25
Carnations	STANDARD VARIETIES Yel.&Var	.35 to .50	.... to .50	.75 to 1.00	.75 to 1.00	.... to ....
Carnations	*FANCY— White	.75 to 1.50	.75 to 1.00	1.25 to 1.50	1.25 to 2.00	1.50 to 2.00
Carnations	*FANCY— Pink	.75 to 1.50	.75 to 1.00	1.25 to 1.50	1.25 to 2.0	1.50 to 2.00
Carnations	*FANCY— Red	.75 to 1.50	.75 to 1.00	1.25 to 1.50	1.25 to 2.00	1.50 to 2.00
Carnations	*FANCY— Yel.&Var	.75 to 1.50	.75 to 1.00	1.25 to 1.50	1.25 to 2.00	.... to ....
Carnations	NOVELTIES	.75 to 1.50	.... to	.... to 2.00	.... to	.... to ....
	ADIANTUM	.50 to .60	.... to .50	.75 to 1.00	.... to 1.00	.75 to 1.25
	ASPARAGUS	35.00 to 50.00	.... to 50.00	35.00 to 50.00	25.00 to 60 00	40.00 to 75.00
	CALLAS	4.00 to 6.00	3.00 to 6.00	.... to	.... to 6.00	.... to ....
	DAISIES	.25 to .50	.... to	.... to	.... to	.... to ....
	GLADIOLUS	6.00 to 8.00	6.00 to 8.00	.... to	.... to	.... to ....
	HYACINTHS	.... to	.... to	.... to	.... to	.... to ....
	IRIS	1.00 to 4.00	.... to	.... to	.... to	.... to ....
	LILIES	4.00 to 5.00	4.00 to 6.00	.... to	.... to	8.00 to 12.00
	LILY OF THE VALLEY	1.00 to 2.50	2.00 to 4.00	2.00 to 4.00	.... to	3.00 to 4.00
	MIGNONETTE—ordinary	.25 to 1.00	.... to 1.00	.... to	.... to	.... to ....
	" fancy	.... to	.... to	.... to	.... to	.... to ....
	NARCISSUS	.... to	.... to	.... to	.... to	.... to ....
	PÆONIES	1.00 to 4.00	2.00 to 4.00	.... to	.... to 4.00	.... to ....
	SMILAX	10.00 to 12.00	12.50 to 15.00	12.00 to 15.00	12.00 to 25.00	10.00 to 15.00
	SWEET PEAS	.20 to .25	.20 to .25	.20 to .50	.20 to .35	.30 to 1.00

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Roses	A. Beauty, fancy—special	20.00—25.00	....—	....—	20.00—30.00	20.00—25.00	....—25.00
	" extra	12.00—15.00	....—	12.50—15.00	15.00—18.00	15.00—20.00	....— ....
	" No. 1	8.00—10.00	....—	8.00—10.00	10.00—12.50	10.00—12.00	....—10.00
	" Culls & ordinary	2.00— 5.00	....—	....—	4.00— 8.00	3.00— 8.00	....— ....
	Bride, Maid, fancy-spec'l	3.00— 4.00	3.00— 4.00	3.00— 4.00	4.00— 6.00	....—	....— ....
	" extra	2.00— 2.50	2.00— 4.00	3.00— 4.00	4.00— 6.00	2.00— 8.00	1.00— 6.00
	" No. 1	.75— 1.00	....—	....—	....—	2.00— 8.00	1.00— 6.00
	" No. 2	....—	....—	....—	....—	2.00— 4.00	....— ....
	K. A. Victoria	2.00— 5.00	2.00— 4.00	....—	4.00— 8.00	2.00— 8.00	....— ....
	La France	3.00— 4.00	....—	....—	....—	....—	....— ....
	Meteor	2.00— 5.00	3.00— 6.00	3.00— 4.00	4.00— 8.00	2.00— 8.00	1.00— 6.00
	Papa Gontier	....—	....—	....—	....—	....—	....— ....
	Perle	1.00— 3.00	2.00— 3.00	2.00— 3.00	3.00— 5.00	2.00— 4.00	1.00— 4.00
	Souv. de Wootton	....—	....—	....—	....—	....—	1.00— 6.00
	Orchids—Cattleyas	....—	....—	....—	....—	....—	....—25.00
	Cypripediums	....—	....—	....—	....—	....—	....— ....
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	Inf'r grades, all colors	.40— .50	....— .75	....— .50	1.00— 1.50	.50— .75	....— .50
	Standard Varieties: White	.75— 1.00	1.00— 1.50	1.00— 1.50	1.00— 1.50	.75— 1.00	.50— 1.00
	Standard Varieties: Pink	.75— 1.00	1.00— 1.50	.75— 1.00	1.00— 1.50	.75— 1.00	.50— 1.00
	Standard Varieties: Red	.75— 1.00	1.00— 1.50	.50— .75	1.00— 1.50	.75— 1.00	.50— 1.00
	Standard Varieties: Yel.&Var.	....—	1.00— 1.50	....—	1.00— 1.50	.75— 1.00	.50— 1.00
	*Fancy— White	1.00— 1.50	....— 2.00	1.50— 2.00	2.00— 3.00	1.25— 2.00	....— 2.00
	(*The highest grades of standard var) Pink	1.00— 2.00	....— 2.00	1.50— 2.00	2.00— 3.00	1.25— 2.00	....— 2.00
	(*The highest grades of standard var) Red	1.00— 2.00	....— 2.00	1.50— 2.00	2.00— 3.00	1.25— 2.00	....— 2.00
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	Novelties	....—	....—	....—	....—	....—	....— 2.00
	Adiantum	.50— 1.00	.75— 1.00	.50— 1.00	....— 1.00	.75— 1.00	....— .75
	Asparagus	40.00—50.00	25.00—50.00	....—	....—	35.00—50.00	30.00—50.00
	Callas	12.00—15.00	....—	....—	....—	8.00— 8.00	....— ....
	Daisies	.25— .50	....—	....—	....— .50	.25— 1.00	.15— 1.00
	Gladiolus	4.00— 6.00	....—	....—	....—	5.00— 8.00	....— 2.00
	Iris	....—	....—	....—	....—	....—	....— ....
	Lilies	12.00—15.00	....—	....—	....—15.00	5.00— 6.00	....— ....
	Lily of the Valley	3.00— 4.00	3.00— 4.00	....— 4.00	....— 4.00	2.00— 4.00	....— ....
	Mignonette—ordinary	1.00— 2.00	....—	....—	....—	....—	....— ....
	" fancy	....—	....—	....—	....—	....—	....— ....
	Narcissus	....—	....—	....—	....—	....—	....— ....
	Peonies	2.00— 4.00	3.00— 4.00	3.00— 4.00	4.00— 5.00	3.00— 6.00	2.00— 4.00
	Smilax	12.00—15.00	....—15.00	....—15.00	....—18.00	12.50—15.00	....— ....
	Sweet Peas	.20— .50	.20— .25	.15— .25	....— .50	.35— .75	.25— .75

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Roses, Carnations, Lilies, Valley, Smilax, Pæonies, Ferns.
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SPECIAL
Asparagus Sprengeri,
35 to 50c. per bunch.
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READY FOR SHIFTING

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ARECA LUTESCENS 6 in. pots, 3 plants, very bushy, 24 ins.....$1.00
8 " " " 26 to 30 ins..... 2.00

KENTIA BELMOREANA 4 in. pot, 5 to 6 leaves, 15 to 18 in., $6.00 a doz.; $50 a 100
6 " 6 " 20 to 24 " 18.00 " 150 "

KENTIA FORSTERIANA 4 in. pot, 4 to 5 leaves, 15 to 18 in., $4.50 a doz.; $35 a 100
5 " 5 " 18 to 24 " 9.00 " 75 "
Measurements from top of pot. 6 " 6 " 28 to 30 " 1.25 each; 15 a doz.

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N. Exaltata Bostoniensis.

Small plants, $5 00 per 100 or $40.00 per 1000; large plants, $6.00 to $20.00 per 100.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsterians, 3½ to 4 in. pots, $3.00 and $4.00 per doz.

Asparagus Plumosus, 2½ in. pots, $5.00 to $6.00 per 100; 3½ in. pots, $12.00 per 100.

Asparagus Sprengeri, 2½ in. pots, $5.00 to $6.00 per 100; 3½ in. pots, $12.00 per 100

Araucaria Excelsa, $1.00 to $2.00 each.

Rubber Plants, $4.00 per doz.

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25,000 SMILAX That will grow and make strings this fall. From 2 inch pots, $1.50 per 100: $13 00 per 1000. From flats, by mail, 50c. per 100; $4.00 per 1000 Send for samples.

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Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

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1000 4inch

Latania Borbonica

(Good strong plants, $15.00 per 100) for

BOSTON FERNS,

2, 3 or 4 inch pot plants. Address

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ASPARAGUS Sprengeri, 2 in. pots, $4 per 100. Plumosus Nanus, 2 in. pots, $5 per 100.

Phœnix Canariensis, 4 inch, showing characterized leaf. $2.50 per doz.; $15 per 100.
Mixed Fern Spores, $1.00 per large package.

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Fine stock, 5 to 8 inches high, from 3 inch pots, $10.00 per 100; very strong, 10 to 12 inches high, $12.00 per 100. A few heavy plants, from 5 inch pots, $1.75 per dozen. Cash with Order.

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Buffalo.

Market News.

Trade in flowers in a retail way is, for the most part, taking on some activity in a petty manner in supplying some small wedding calls and bunches for school graduates. Flowers are more plentiful than common at this date, with roses now not so good, carnations still being very dependable, both in quality and quantity.

With the institutions of learning assuming larger proportions in recent years the management of graduating exercises ruled against the receiving of flowers in open display at the hall or school exercises. For a while this seemed to act as a setback to the demand at these occasions. It is fairly returning now, we judge. The graduates will be favored with floral tokens, even if they must be sent to their residences. As filling of such orders can be done all through "commencement day" a manifest advantage to the florist ensues over handling a large number of deliveries inside of a brief hour, as of old. Tuesday of this week, on High School's Day, showed an active trade all through the day.

Bedding plant trade is moving along nicely and conditions point to a good finish.

The Depew Improvement Company, large owners and promoters at Depew village, will use upwards of 5,000 bedding plants, geraniums leading.

A visit last week to Eggertsville shows a good beginning of C. F. Christensen's new growing houses. Five detached houses, in size 20x125 feet, are now fitted with bars. These are being put up in the most substantial and modern wood construction, and planting can soon commence.

Almost across the way Rudolph Boettger has made a reputation, in a modest way, as a grower of good stock. He will continue to bloom some carnations during the Summer. Several houses and a lot of hotbeds have been well emptied of bedding plants, while his outdoor Summer growing of asters for blooms goes into many thousands.

VIDI.

Toronto.

Trade News.

With June weddings quite numerous and considerable funeral work, business has continued good the past week. Cut flowers have sold well, and very little good, or even fair, stocks have been wasted.

The trade in bedding plants has also kept up well, and there is but little good stock left on hand now. By the end of the month I fancy all the boys will be satisfied to call this the best season we have had for some years.

The last week has been very dry and warm, and outside stock is in need of a good rain again.

Death of a Well-Known Citizen.

By the death last week of William Christie, who for some years was vice-president of the Industrial Association, we have lost a good friend and patron. He was a great lover of flowers, and every year spent large sums of money in decorating his grounds. He gave much time and money to make the Toronto exhibition the success it has been, and was always ready to help along any work for the public good. He could have had any office in the gift of his fellow-citizens, but he never would accept a prominent position, being better content to do the work and let his friends have the honors. At his funeral on Friday, June 15, many beautiful flowers were used, most of the designs being large and handsome.

Orchids Admitted Free of Duty.

By an order in council, orchids are again admitted into Canada free of duty. This is a step in the right direction, I think. T. M.

Among the Magazines.

There is a sensible article in the July Delineator that will be read with pleasure by troubled mothers. It relates to amusements for sick children. It is the first of a series of articles along that line by Lina Beard, the famous sister of the famous cartoonist and author, Dan Beard.

And, speaking of florists, where will their business end? Gold fish was an addition of months ago; one florist added birds a few weeks since, and now another has a full-fledged ribbon department. Ice cream and umbrellas may follow.—Philadelphia Record.

SMILAX

Strong seedlings from flats, 40c. per 100, $3 per 1000.

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SMILAX PLANTS

Strong, bushy plants, cut back, $5.00 a 1000; 60c. a 100; sample, 10c.

CABBAGE, best kinds, fine, strong plants, $1.00 a 1000. Cash with order, please

R. KILBOURN, - Clinton, N. Y.

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30,000 SMILAX

Nice, thrifty, 2 inch. per 100, $1.25; per 1000, $10.00.

Smilax, from flats, 250 by mail, $1 00.

CASH WITH ORDERS, PLEASE.

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SMILAX.

2 inch, strong plants, $1.25 per 100; $10.00 per 1000.

COLEUS, R. C., 70 cents per 100; $5.00 per 1000, prepaid.

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SMILAX. | VIOLET.

2¼ in. pots, $1.25 per 100; $10.00 per 1000. | FARQUHAR, 2½ in. pots, $3.00 per 100.

HELIOTROPE 3 inch pots, $4 00 per 100.

All stock first-class. Cash.

W. G. KRABER, 35 Tremont Street, **New Bedford, Mass.**

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FINE PALMS.

Kentia Belmoreana and Forsteriana—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, from $2.50 upwards.
Phœnix reclinata, 4 in. pots, $20 per 100; 5 in. pots, $40 per 100; 6 in. pots, 35c. each; 7 in. pots, $1.25 each; specimen plants, $2.00 upwards.
Areca Lutescens. 3 in., $15 per 100; 4 in., $25 per 100.
Latania Borbonica, 4 in., $20 per 100.

JOHN BADER, Troy Hill, **Allegheny, Pa.**

L. D. TELEPHONE 872A.

Mention the Florists' Exchange when writing.

SMILAX

Fine plants, 2 inch pots, $1.00 per 100; $8.00 per 1000.

ASPARAGUS Sprengeri, 2 inch pots, $3.00 per 100. Plumosus Nanus, 2 inch pots, $4.00 per 100.

PRIMROSES July 1st, Chinese, Forbesi, Obconica, Grandiflora and Rosea, $2 00 per 100.

PANSY SEED August 1st, $4.00 per oz. Cash, please.

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FERNS Our Specialty.

A Grand Stock of MAIDEN HAIR FERNS, in 4 in., ready for 5 in. pots.	$10.00	$95.00
Full-grown plants, in 2¼ in., ready for a shift	4.00	35.00
Fine lot of ASSORTED FERNS for Jardinieres, all the best varieties, in 2¼ inch pots	4 00	35.00
Asparagus Sprengeri, 5 in. pots	25.00	
Gardenia Florida, strong, healthy plants, 5 in. pots	15.00	
Gardenia Florida, 2¼ in. pots, extra strong	4.00	

Money returned if not satisfactory.

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SMILAX From Pots. Ready Now.

$1.50 per 100; $15.00 per 1000.

ASPARAGUS PLUMOSUS

From 3 in. Pots. Ready July 15.

$6.00 per 100; $60.00 per 1000.

You will make no mistake in sending me your order. This stock is of the same high quality as that furnished last season Samples furnished to new customers if desired.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

Madison, N. J.

The Morris County Gardeners and Florists Club held its regular meeting in Masonic Hall on Wednesday last, President Buckham in the chair, and with a good representative attendance. The schedule for the Fall show was taken in hand for final settlement. The president announced a most gratifying state of affairs in the matter of special prizes, the number and value of these already donated having exceeded the committee's expectations. With the society's appropriations in the usual class the schedule, when issued, will total more than $500, and with such liberal prizes a fine exhibition must surely result. The schedule will be ready for distribution next month.

The society then adjourned over the hot period, to meet again on the regular date in September. A.

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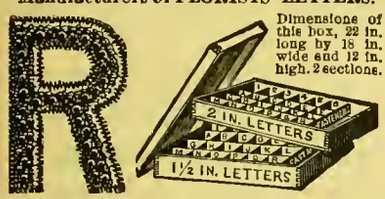
Manufacturers of FLORISTS' LETTERS.



Dimensions of this box, 22 in. long by 18 in. wide and 12 in. high. 2 sections.

This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1½ or 2 inch size, per 100, $2.00.
Script Letters, $4.00.
Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

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"ROSE LEAF" EXTRACT OF TOBACCO INSECTICIDE
For Sale by Seedsmen. For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.

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Seed Packets and Supplies of all kinds for
NURSERYMEN, FLORISTS and SEEDSMEN
SEND FOR PRICE LIST.
Stock Cuts, 10c. per square inch. Engraving by all processes. Printing and lithographing.
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ROSE STAKES
H. F. LITTLEFIELD, Worcester, Mass.

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IS A BOOK of 224 large pages (8½x11 inches), and contains about 200 articles on commercial plants and cultural operations, each giving "the meat" only, from the personal experience of a thoroughly practical man who is in daily touch with each department of the business and who has that rare quality of being able to tell others **what they want to know.** The articles are arranged alphabetically, like those in an encyclopædia, and in an instant one can turn to the subject upon which light is desired at the moment. The book is illustrated by over 200 fine half-tone engravings. It is

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	Price per crate		Price per crate
1500 2 in. pots in crate,	$4.88	120 7 in. pots in crate,	$4.80
1500 2½ " " "	5.25	60 8 " " "	3.00
1500 2¾ " " "	6.00	48 9 " " "	3.60
1000 6 " " "	5.00	48 10 " " "	4.80
800 3½ " " "	5.80	24 11 " " "	3.60
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320 5 " " "	4.51	12 14 " " "	4.80
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STANDARD FLOWER POTS

FIRST QUALITY.			CREAM COLOR.		
1¾ in., per 1000		$2 40	3½ in., per 1000		$4 95
2 in., "	"	2 75	4 in., "	"	6 20
2½ in., "	"	3 35	5 in., "	"	10 80
3 in., "	"	4 70	6 in., "	"	16 50

Packages extra.

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Imperial Liquid Plant Food DOES.
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"NICOMITE"
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Vapor Insecticide
POWDER.
No labor required. Harmless to bloom and foliage. A certain killer of
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SOLD BY SEEDSMEN.
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BORDEAUX
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used on "World's Best" Spraying Outfits. Cut shows our patent KEROSENE SPRAYER. Knapsack & Makes Emulsion while Pumping.
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Boston.

Trade News.

There has been a little going on this week, occasioned by graduation and commencement exercises. The class-day functions at Harvard created a little stir, though confined mostly to decorations of green material. Thursday and Friday quite a little business is expected for the various spreads given by clubs and individuals. Much of the demand experienced by the wholesalers up to Wednesday was from outside the city for the various college commencements. Jacq. roses, from out-of-doors, have been very popular for this work, nearly every shipment containing a goodly proportion of these flowers.

Out-of-door roses are now very plentiful and in fair demand. American Beauty do fairly well, also, at the prices that have prevailed for some time past. Bride and Bridesmaid are getting poorer daily, and good ones are scarce. Prices range on these roses about as quoted last week. Kaiserin and Carnot are still a little scarce, that is, good quality stock, though the small grades are plentiful enough.

Carnations continue in heavy supply, greatly in excess of the demand, and prices rule low.

Pæonies, rhododendrons, irises, etc., are still to be had in quantity, but meet with little demand. The former, however, are usually wanted for wedding or other decorations.

Sweet peas are still very plentiful, a few having been picked from outside. Prices now average 15c. to 25c. per 100, and quantities are disposed of daily. Valley, too, is in good supply and meets with a very fair demand.

Jottings.

Henry M. Robinson & Co. had the contract for furnishing 2,000 evergreen trees for class-day decorations at Harvard.

W. H. Elliott has eclipsed all former records by cutting some very good Jacq. roses from inside at this date.

W. A. Twombly has returned from his trip across the ocean.

Pæony Exhibition.

The pæony exhibition of the Massachusetts Horticultural Society was held on Saturday last at Horticultural Hall. An excellent showing was made, both of pæonies and the other flowers on the schedule, by Dr. C. G. Weld, Mrs. John L. Gardner, George Hollis, W. J. Clemson, Jos. S. Chase and Miss Hattie B. Winter. The four first mentioned exhibitors were awarded the four prizes offered in the order of naming.

For the special prizes, offered by Kelway & Son, Langport, England, "for a collection of 18 named varieties, single or double, of Pæonia albiflora," Kenneth Finlayson, gardener to Dr. C. G. Weld, received the silver gilt medal.

W. J. Clemson showed a nice collection of foxgloves, W. H. Spooner a fine lot of hybrid sweet briars. Henry A. Dreer exhibited some very fine nymphæas, and Rea Bros. made a nice exhibit of pyrethrums.

On Friday and Saturday, June 22 and 23, the Rose and Strawberry Exhibition was held. Particulars next week.

F. J. N.

Holbrook, Mass.

The funeral of Nathaniel Brook, florist, took place June 12. The Boston Co-operative Flower Growers' Exchange, of which the deceased was a member, sent a broken wreath with sickle, composed principally of roses, lilies and pinks. The burial was in the family lot in Union Cemetery.

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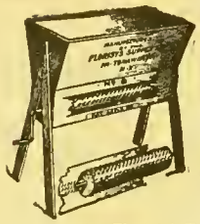

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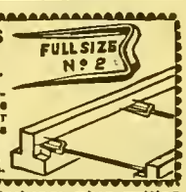

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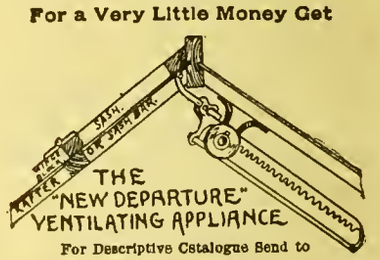

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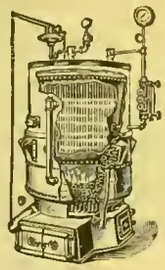

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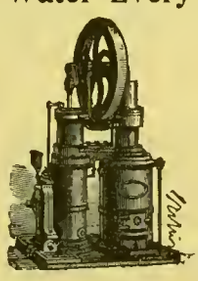



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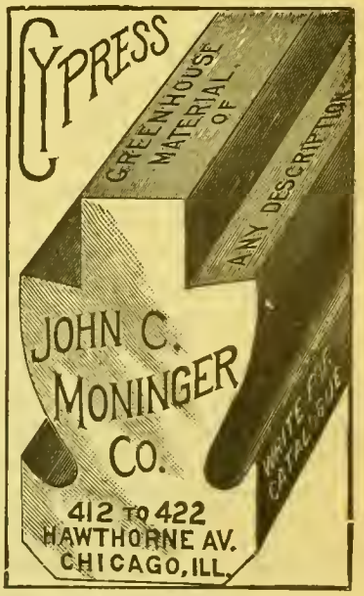

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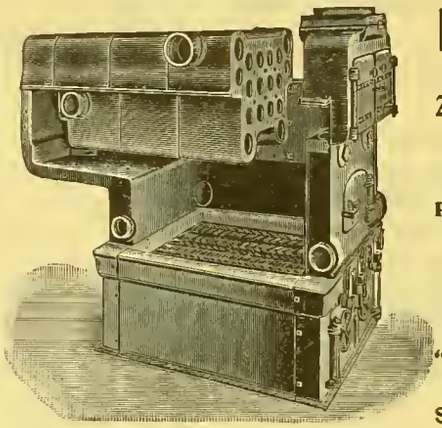

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Cineraria, Giant, per packet, 25 cts.
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The smaller bulbs will prove as satisfactory as the larger if planted early. Bulbs ready for immediate delivery.

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	100	1000	3000
Phœnix Tennis.....	$0.75	$5.00	$13.50
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GERANIUMS

$4.00 per hundred.

ROSES See list of varieties and prices in last issue.

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ASTER COSMOS PANSY SALVIA ZINNIA

BEANS CLOVER GRASS ONIONS PARSNIP

SEED TRADE REPORT

Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Cincinnati, O., President; F. W. BOLGIANO, First Vice-President; S. G. COURTEEN, Milwaukee, Wis., Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

European Notes.

Hardly any change worth recording has taken place in the condition of things. The record of continuous failures, although a very real factor associated with the approaching harvest, is becoming a trifle monotous. In this connection much also depends upon the acreage planted, and this can hardly be correctly estimated for another three weeks. But it is positively certain that the supply of the extra early and more delicate varieties of radish from this year's crop will be very limited. The outlook in regard to turnips and rutabagas is even more serious, particularly as regards the latter. For reasons already set forth the supply of plants was very limited and none of them well developed. The result is that they have no strength to resist the canker which has broken out in every direction. Prices of rutabagas for present sowing have nearly doubled during the past two months, and as the demand is extra good, next season's trade has been left to take care of itself. The failure of extra early turnips has already been reported. Unless a great change takes place during the next ten days the Aberdeen varieties must also be added to the list.

EUROPEAN SEEDS.

CATALOGUES RECEIVED.

WM. ELLIOTT & SONS, 54 Dey street, New York.—Preliminary Trade List of Bulbs for Forcing.

PETER HENDERSON & CO., 35-37 Cortlandt street, New York.—Midsummer Catalogue of Strawberries, Vegetable Plants, etc , contains a list of novelties among the former, including the new large-fruited French Perpetual Strawberry "Saint Antoine de Padoue."

DEAN CO , Boston, Mass.—Illustrated catalogue on greenhouse heating. This pamphlet, besides enumerating the firm's specialties, furnishes much instructive information on heating topics generally. Numerous testimonials tell of the efficacy of the "Dean" boiler for greenhouse work.

Culture of Calceolaria Hybrida.

Read by Wm. Kleinheinz before the Pennsylvania Horticultural Society.

There are two distinct classes of calceolarias. Those known as shrubby are used in some parts of Europe for planting out in Summer time, and there are the herbaceous or hybrida varieties. It is of the latter class, which is the best for pot culture, that I will talk to you about this evening.

They are grown from seed, and the best time to sow the seed is in the months of July and August. The seed should be sown in pans, or small boxes, in a mixture of even parts of well decomposed sod, leaf mould or peat, in which some sand has been mixed. Care should be taken to choose a shady situation for the seed pans—as cool and airy as possible. The plants should be pricked off as soon as large enough to handle, again using pans or small boxes, this time affording two parts well-decomposed sod and one part leaf mould, with a little sand.

After a day or two of careful shading they should be gradually given air, and a position selected as near to the glass as possible. When strong enough they may be potted into 2½-inch pots and placed in a frame outside, if possible, with the sashes elevated sufficiently so that a free circulation of air may be assured at all times when the weather is favorable In the outside frame they may remain until cool nights set in, by which time they should be large enough to be repotted into 3-inch or 4-inch pots, according to the strength of the plants.

By following the method recommended some of the biggest will become sufficiently large to occupy a 7 or 8-inch pot to advantage. The temperature in the Winter months for these cool greenhouse plants should, whenever possible, be kept down to from 45 to 50 degrees in day time, and at night from 42 to 45 degrees.

The greatest care must be exercised in watering, especially in the Winter time. The plants suffer a great deal if allowed to become too dry, and one overdose of water will almost kill them.

The greatest enemy of these plants is the green fly; to overcome this trouble, tobacco stems must be liberally placed between the pots.

This is the method I used last year and had very good results. I had in the months of April and May plants full of bloom, in 6-inch pots, 2 feet across, and they were grown in a natural way without training, which surprised many of my gardener friends who called to see them. In the collection of over 300 plants it was hard to find two alike, so varied were they in their shadings and markings. Among them were some very nearly clear white; one was a pure canary yellow, and, again, one a canary yellow, with large spots nearly black.

I hope with the brief cultural directions given that my fellow gardeners will take these subjects in hand and make an effort to grow them, for nothing, in my opinion, gives more pleasure than a collection of well-grown hybrid calceolarias.

THE EXPERIMENT STATIONS.

TESTING SEEDS, POTATO POMACE, ETC. Bulletin 65, Maine Agricultural Experiment Station, Orono, Me.

SMUTS OF ILLINOIS AGRICULTURAL PLANTS. Bulletin 57, University of Illinois, Agricultural Experiment Station, Urbana, Ill.

ORCHARD MANAGEMENT. Bulletin 59, same station.

STIGMONOSE, A DISEASE OF CARNATIONS AND OTHER PINKS, by Mr. Albert F. Woods. Bulletin 19, Division of Vegetable Physiology and Pathology, Department of Agriculture, Washington, D. C.

GRASS THRIPS AND THRIPS IN GREENHOUSES. Bulletin 67, Hatch Experiment Station, Amherst, Mass. Illustrated.—Recommends fumigation, best results having been obtained from the use of Rose Leaf Tobacco Extract, carbon bisulphide, Nikoteen Aphis Punk, Nikoteen, and Hydrocyanic Acid Gas. The nikoteen, manufactured by the Scabcura Dip Co., of Chicago, "appears to have been the most successful substance for fumigation used in these experiments."

PRACTICAL TREE PLANTING IN OPERATION, by Mr. J. W. Tourney, superintendent of tree planting. Bulletin 27, Division of Forestry, U. S. Department of Agriculture, Washington, D. C.

GARDENING UNDER GLASS. Bulletin 170, Agricultural Experiment Station, North Carolina, West Raleigh, N. C.—Contains results of an experiment in tomato forcing, and advice as to the use of glass in North Carolina in gardening for the market.

SCALE INSECTS ON KANSAS GRASSES, Bulletin 98, Kansas State Agricultural College, Manhattan, Kan.

IMPORTANT INSECTICIDES. Farmers' Bulletin No. 19, U. S. Department of Agriculture, Washington, D. C.—Contains directions for their preparation and use.

Among the Magazines.

SCRIBNER'S—The outdoor article of the July number is Frank French's "Trees," in which he describes with sympathetic appreciation the life and forms of a number of the more familiar varieties that grow about an old New Hampshire homestead. The illustrations drawn and engraved by the author are particularly attractive. The magazine in its other features is up to its usual high standard.

THE LADIES' HOME JOURNAL for July contains numerous excellent entertaining articles for Summer reading.

CALIFORNIAN SEEDS

Contract Prices for 1900 Harvest on Application.

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PERRY WATSON & CO., Sacramento, Cal.

EGG PLANTS, New York Improved.
PEPPERS, Bull Nose, to close them out
$1.50 per 1000; $1.00 per 500; extra fine large stocky plants
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While somewhat early to start Cineraria, Primula, Etc., it is much better to be a little early than late. The strains offered below are the VERY FINEST PROCURABLE, and can be depended upon to produce satisfactory results.

DREER'S PRIZE CINERARIAS

We have seen flowers of this strain measuring over 3 inches in diameter; habit of plant perfect; a good range of colors.

	½ Trade Pkt.	Trade Pkt.
Dreer's Prize Dwarf	$0 60	$1 00
Dreer's Prize Tall	60	1 00

We also offer a choice grade which is fully equal to the best sent out by many.

	Trade Pkt.
Dreer's Choice Dwarf	$0 50
Dreer's Choice Tall	50

Dreer's Superb Giant Cyclamens

Our strain of these is extra fine. We have furnished some of the largest growers in the country with this stock and they report that they could ask for nothing better.

	100 seeds.	1000 Seeds.
Dreer's Superb Giant, White	$0 75	$6 00
" " White, carmine eye	75	6 00
" " Blood Red	75	6 00
" " Rose	75	6 00
" " Mixed	60	5 00

We also offer an extra fine strain of the regular Cyclamen Persicum. This type is much easier to grow than the Giganteum, and is very satisfactory. Mixed colors, trade pkt., 15c.; oz., $1.25.



DREER'S CHINESE PRIMROSES.

DREER'S SUPERB FRINGED PRIMULAS

Our strain of these are now grown by florists all over the country, and always give entire satisfaction Our $1.00 trade packets contain from 500 to 1000 seeds each, according to variety.

	½ Trade Pkt.	Trade Pkt.
Alba Magnifica, the finest white	$0 60	$1 00
Alba, the old reliable white	50	1 00
Chiswick Red, the brightest colored of all	60	1 00
Holborn Blue, an odd shade	60	1 00
Kermesina Splendens, deep crimson	60	1 00
Punctata Elegantissima, white, spotted crimson	60	1 00
Rosy Morn, delicate pink	60	1 00
Rubra, a good bright red	60	1 00
Fern-Leaved Varieties, mixed colors	60	1 00
Dreer's Mixed, the finest mixture of Primula ever sent out, all colors	60	1 00

Choice stocks of CALCEOLARIA, GLOXINIA, PANSY, Etc., Etc. A full list of same will be found in our current wholesale catalogue.

BULBS We are now in position to quote very favorable prices on French, Dutch and other forcing bulbs. If intending purchasers will furnish us with a list of their requirements we will be glad to quote.

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MANETTI. Suitable for grafting. Secure it now and save disappointment.

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FOR FALL DELIVERY.

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OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.

Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda nitida, Fothergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariaca, Dionæa muscipula, Lupinus diffusus, Phlox subulata, Sarracenias, etc., etc. Ask for Trade Lists.

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PÆONIES, BLEEDING HEART,
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.

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Fine, large plants, $10.00 per 100.

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CAULIFLOWER H. Early Snowball, $1.50 per 1000.
PEPPERS Bullnose and other varieties, $1.50 per 1000

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AMERICAN ASSOCIATION OF NURSERYMEN.

THEODORE J. SMITH, Geneva, N. Y., President; N. W. HALE, Knoxville, Tenn., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

New York.—Louis Leroy, of Angers, France, has been appointed Chevalier de la Legion d' honneur by the President of the French Republic.

At a Summer meeting of the Minnesota Horticultural Society, held June 19, a fund was started by the members to be used in purchasing premiums, or in assisting students of the agricultural school who are especially proficient in their studies. The fund will be known as the "Gideon Memorial Fund." It was named in honor of the late Peter M. Gideon. About 350 horticulturists were present. W. W. Prendergast, Hutchinson, called the meeting to order, and the address of welcome was made by Dean Leggett, of the Agricultural School. Among the topics discussed that of strawberry culture in Minnesota received much attention.

Aquatic Gardening

Extracts from Paper read by Walter Retzer before Chicago Florists' Club.

Aquatic gardening is one of the most recent arts. Sprung up, as it has, just within a few years, it is surprising to what extent it is already practiced, and it promises to become the chief ornamental factor in beautifying our homes and surroundings. There is a certain pleasure peculiar to aquatic decoration, one that once experienced will always be sought after, and none will be more thoroughly enjoyed. The beautiful, pleasing and quieting effects are those peculiar to this art. It has not that harshness which one can not help but feel in some other classes of decoration.

In a beautiful valley we may admire the general scenery, but naturally we seek the bottom, and there, on the banks of a little stream, while away our few leisure moments. Were we not to see this our pleasures would rapidly diminish

In the plants that adapt themselves to the banks of these streams we find not that boldness nor that harshness of color that seem to be peculiar to others, and that offensive odor, so prominent in many other plants, is absent. The colors of nearly all aquatics harmonize, no matter which way they are planted; a discord is hard to produce

The decoration of a pond, however naturally carried out, would not have a calming effect were it not for the borders, which are the finishing touches. The border plants are an introduction to what we are to see later.

LOCATION OF PONDS.

In locating a pond many things have to be taken into consideration not thought of at the first moment. A pond poorly located, no matter how highly decorated, will always mar the surroundings. We must aim to select a place that will produce the most natural effect. If the surroundings are rolling, or even hilly, with deep valleys between, we would not select the crest of our hills for lakes or ponds, even though we find beautiful bodies of water on high plateaus and elevations, but never abounding in aquatics. Seek a place low enough to retain the water without great artificial means. We never find a lake at the very base of a valley, for sufficient grade must be left for an outlet. If the most suitable place for a pond is where a rippling brook is winding its course, a pond can be easily made by having it dammed. For this the strongest and safest material would be stones of considerable size, the larger the better, held firmly together by cement. This stream will afford a constant supply of fresh water so essential in aquatic gardening. If the stream is large or subject to swellings after rains, large pipes should be placed beyond the beginning of the pond. These pipes must be large enough to check the force of water during the heaviest rains, leaving only the amount required pass into the pond. If the whole volume of water be allowed to pass through the pond our aquatics would soon be where we would not want them. These pipes must be laid just below the surface of the stream when it is at its lowest mark, for if raised to the point that the stream attains during rains the pipes would be unsightly objects as they protrude out of the water after it has receded.

These surplus water pipes, if no other convenient place be found, must be laid underneath the pond, where they will be out of our sight. This can readily be done before the pond is constructed. If, however, the rising of the water is not thought of at the time of building, the evil may be remedied by laying the pipes around the edge of the pond, though this will require a good deal more piping and other work. Wherever the pipes are placed have them covered in a way not to attract attention. The principal rule that one must invariably follow is: "Select the most natural place." It is quite impossible to lay down certain rules as to the location of ponds, as circumstances alter cases.

GENERAL OUTLINE OF PONDS.

In regard to the shape of ponds it can not be too strongly impressed that symmetrical ones are not to be tolerated, except where surroundings are laid out in the most symmetrical way, in very limited areas, and the back yard of a city residence, and even there the irregular-shaped pond would be more appreciated after the merits of each become known.

First we should select the irregular-shaped pond, as it more resembles a natural bit of water than a symmetrical one, and consequently makes the surroundings appear more like nature. It can readily be seen that a pond of an oval shape can be used to greater advantage than a circular or an angular one. The angles or corners of a square pond would be nearly worthless, as no aquatic, except the small floating varieties, could fully develop, as the foliage would soon come in contact with the border, be forced over this, and scalded by the burning rays of the noon sun. No room is left here for border or back water decoration. No suitable form of introduction can be made as will be seen when compared with an oval-shaped pond.

The corners produced by the oval-shaped pond give ample room in which groups of swamp or border plants could be planted, the tall ones in back, their naked stems, if any, hidden by those of medium height and the low spreading ones in front.

THE CONSTRUCTION OF PONDS.

Probably the principal point in aquatic gardening, and one that has to be fully mastered before success can be attained, is the construction of ponds. A pond poorly built or drained will only be a nuisance, a malaria breeder and a continual source of disappointment, the plants not proving to be as advertised. In nearly three-fourths of the cases it is not the fault of the nurserymen, the catalogue nor the advertiser that the plants do not succeed as well as they were represented, but simply that of the grower or the pond. This fact is marked in this branch of gardening. Aquatics, even if they are water plants, require drainage as well as those grown in pots, and even more so. For this and other reasons that will be mentioned later a soil bottom pond will be found the most preferable. There is a constant regular seepage or drainage of water which varies according to the lower strata of soil, causing constant, but regular, changes in the water. With supply pipes sufficiently large to replenish that lost through drainage and evaporation, the water will be kept in circulation, so essential in aquatic gardening. This thorough drain-

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Any of the above plants by mail, add 10 cts. per 100. Cash with order.

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C. H. JOOSTEN, SPECIAL, CANE PLANT STAKES, 6 to 7 feet, per 1000, $6.00; per 250, $1.75.
KENTIA BELMOREANA SEED, per 1000, $4.50; per 3500, $14.00.
Catalogue of FALL BULBS and PLANTS on Application. 85 DEY STREET, NEW YORK.
Mention the Florists' Exchange when writing.

age will prevent the diseases which occur so frequently when a pond is badly or not at all drained. With large and convenient outflow pipes placed near the surface all the dust which naturally collects on it, as well as the insects which skip about the surface, are carried away. These pipes may be so placed as not to be seen by even the most critical observer, by placing over them a few bowlders or some graceful border plants that will completely cover the opeaing. The number of these pipes must vary according to the size of the pond.

Besides the natural drainage of a soil bottom pond and the surface outflows, it is very important to have a pipe sufficiently large placed at the deepest part of the pond to carry off the water in a short time. It will be found of great advantage in the Fall, when the tender plants have to be removed. Always have the pond so graded that the deepest part of it is in the center. If the pond is exceedingly large have several parts that are deep enough to drain the entire pond. The trap of this pipe should be so made that it can be opened without entering the pond. The outflows at the surface should be large enough to carry away the water from the rains.

One of the greatest difficulties met with in aquatic gardening is that the place where we wish to locate the ponds does not retain the water. We may re- who has only the few leisure hours after his daily work is performed to look after the requirements of his pond. You will not have the rank weeds so numerous in the other ponds, and the wild water lily (Nymphæa mexicana) will not become a nuisance, as it can be well controlled if planted in tubs. This nymphæa, if left to take care of itself, will soon assert its rights as a native, and will in a short time completely fill the pond; and there is no other way to get rid of it, after it has once established itself, than to dig out a foot or more of the soil and cart it away. The whiteness of the bottom of a granitoid pond without the gravel at the bottom has such a glaring effect that the eye is pained to look upon it, besides it reduces much of the beautiful color of rather difficult to make out of granitoid. Have the edge about 6 inches lower than the surrounding soil, and have this graded to make a gradual slope toward the side of the pond. In this way the whole of the white granitoid edge, so unsightly, will be completely hidden. The water in the pond can be raised to the soil and occasionally allowed to flood it. This will keep the border moist enough for some of our best border plants. In the granitoid ponds all plants should be placed in tubs or something similar. The ease with which plants are moved about after being in the water, and the fact that the water does not become discolored from the dirt that is plowed up as one enters the pond and the ease with which they are kept clean, are advantages not to be disdained by the layman, sort to various means to remedy this great evil. The cheapest as well as the best, as far as the health of the plants is concerned, is to place a layer of clay mud (the amount varying according to the porosity of the lower soil) at the bottom and the sides, which must be thoroughly packed.

The granitoid pond has its advantages as well as the soil bottom one, although not as numerous. If it is found necessary to have a granitoid pond the whole can be so arranged as to give a natural effect. It must be made to produce the best effect regardless of the curves, which are the aquatics. So with the white edge; it must not be tolerated, not only because the reflected light pains our eyes, but the contrast between the green foliage and the white edge is too great and consequently lessens the beauty of our plants.

The granitoid must be of the best, as it would easily crack during the cold weather were it otherwise; and even if it is of the best material it must be covered with straw or something equally as good.

SOIL.

Soil requisite for aquatics can easily and cheaply be obtained. They have done exceedingly well in a clay soil, though in good, rich soil, thoroughly mixed with a liberal quantity of well-rotted cow manure, the plants will many times repay the trouble in the profusion of blooms and the substance of the foliage. In a pond where but little clay has been used to retain the water, and where a good rich loam is found beneath, no other soil will be required. Whether our ponds have a clay, natural soil or granitoid bottom it is well, and will give the whole a neat appearance, if a layer of sand or gravel is placed at bottom; moreover, this prevents the water from becoming muddy when it is necessary to enter the pond.

Plants for a granitoid pond should be potted or rather planted in boxes or half kegs. The boxes should be rather shallow and wide, as the roots of most aquatics have a spreading habit. The bottom should be well drained so as to admit a free circulation of water. The practice of making pockets in granitoid ponds is of a great disadvantage, as it is difficult to remove the soil in the following Spring, in order to replenish it; besides, it does not admit of thorough drainage.

(To be continued.)

The Value of Books.

That a man or woman of intelligence may fit himself or herself for a vocation through the use of books is, of course, beyond dispute. My success as a florist I attribute entirely to books; they have supplied the theoretical knowledge which I have put to practical use in my business. No training was possible in my case. A book taught me how to build my house; how to heat it; where to buy a boiler; what, when and how to plant my house. By its aid I have been enabled to reap a fair harvest, in profits. That book was "Practical Floriculture," by Peter Henderson. The chapters on propagation are so clear that the novice may follow the directions with the most gratifying results. I had many and grave doubts about my stock, where to buy it, etc. A chance copy of the FLORISTS' EXCHANGE came my way. Presto! change. All doubts fell away before its many advertisements. The magnitude of the trade was unknown to me. I live too far from trade centers to visit other greenhouses, but the EXCHANGE opens the door to many. Its illustrations of large establishments are a revelation. The diversity of articles offered in its columns has been a liberal education on the needs of my chosen profession. The many fine articles on the diseases of plants have benefited me very much.

I regulate much of the work in my house by the "Briefs for Busy Florists." The modern and above all practical advice and methods given therein are of the greatest assistance to me. Such plants as I grow are often treated of, and I many times turn to a back number for advice. I watch for its suggestions as to the best time and way to treat this or that plant.

Timidity has kept me out of the Question Box, but my eyes have been open to its answers to florists bolder than myself.

I am an advocate of wide reading on all lines relative to our trade. There is always a kernel of knowledge the truth of which we may test sooner or later, if we but fill well the store-house of memory. A note book is a valuable aid even to a good memory.

Even catalogues have been of use, in familiarizing one with new plants, and in many cases filling a gap which even a Botany could not unless one were trained in its terms.

"Commercial Violet Culture" and "How to Grow Chrysanthemums" have revolutionized my way of growing these plants; so far the results from their methods have been most satisfactory.

A lack of books is a calamity—only a lack has restricted my reading to the above-named books, which, with a few other magazines of small value, constitute my stock of books. The best investment I have ever made have been books. The palm of praise must, in my case, be divided between "Practical Floriculture" and the FLORISTS' EXCHANGE. The why of which is that they are, above all, practical. M. O. LINTON.

JOSEPH HEACOCK,
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GROWER OF
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A Grand Stock of MAIDEN HAIR FERNS, in 4 in., ready for 5 in. pots.	100 $10.00	1000 $95.00
Full-grown plants, in 2¼ in., ready for a shift	4.00	35 00
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Money returned if not satisfactory.
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" " "	4	.30	3 00	
Selaginella Emmeliana	2	.04	.30	2.50
" " "	3	.06	.50	4.50
" " "	4	.10	.90	8.00

For other varieties and sizes see wholesale list, from which 10 per cent. discount will be given on all orders accompanied with cash.
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ASPARAGUS PLUMOSUS
Fine stock, 5 to 8 inches high, from 3 inch pots, $10.00 per 100; very strong, 10 to 12 inches high, $12.00 per 100. A few heavy plants, from 5 inch pots, $1.75 per dozen. Cash with Order.
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FINE PALMS.
Kentia Belmoreana and Forsteriana—
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Phœnix reclinata, 4 in. pots, $20 per 100; 5 in. pots, $40 per 100; 6 in. pots, 35c. each; 7 in. pots, $1.25 each; specimen plants, $2.00 upwards.
Areca Lutescens, 3 in., $15 per 100; 4 in., $25 per 100.
Latania Borbonica, 4 in., $20 per 100.
JOHN BADER, Troy Hill, Allegheny, Pa.
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ASPARAGUS Sprengeri, 2 in. pots, $4 per 100. Plumosus Nanus, 2 in. pots, $5 per 100.
Phœnix Canariensis, 4 inch, showing characterized leaf, $2.50 per doz.; $15 per 100.
Mixed Fern Spores, $1.00 per large package.
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The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.
Mine is the Genuine Stock.
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Small plants, $5 00 per 100 or $40 00 per 1000; large plants, $6.00 to $20.00 per 100.
—ALSO A FINE LOT OF—
Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 in. pots, $3.00 and $4.00 per doz.
Asparagus Plumosus, 2½ in. pots, $5.00 to $6.00 per 100; 3½ in. pots, $12.00 per 100.
Asparagus Sprengeri, 2½ in. pots, $5.00 to $6.00 per 100; 3½ in. pots, $12.00 per 100.
Araucaria Excelsa, $1.00 to $2.00 each.
Rubber Plants, $4.00 per doz.
WM. A. BOCK, No. Cambridge, Mass.
Unknown correspondents will send cash with orders. Connected with Telephone.
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Ready for potting, $2.00 per flat.
If you are in the market for Ferns, this is the most advantageous way to buy in a stock at a little cost, each flat contains 110 small clumps of spores, which can be divided from 2 to 4 plants.
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These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, and ten cents to cover expense of forwarding.

SITUATIONS WANTED.

SITUATION wanted, by (A1) grower, 6 years experience in roses, carnations, palms, ferns; best of references; retail place preferred; single. T. M., care Florists' Exchange.

SITUATION wanted in retail establishment, by young man, age 25, single, A1 grower of roses and carnations; 6 years' experience; best references. T. N., care Florists' Exchange, to be forwarded to.

SITUATION wanted, as working foreman by A1 grower of high-grade roses, carnations, violets, 'mums, palms, ferns and general greenhouse stock; up-to-date designer, 15 years' experience; best of references; single. T. L., care Florists' Exchange.

HELP WANTED.

WANTED—2 thorough nurserymen in a commercial place; accustomed to budding roses, and making cuttings of soft wood shrubery. Address T. P., care Florists' Exchange.

WANTED, good florist on small commercial place; wages $25.00 per month with board; must understand roses. Address, with reference, T. O., care Florists' Exchange.

WANTED, experienced young man, German preferred; state age and wages expected. Address, with references, Grovedale Nurseries, Fishers Lane, above 2d street, Philadelphia, Pa.

WANTED to work under foreman, two good men for commercial place; only those that understands roses and carnations; state references and experience. Apply to P. O. Box 117, Rowayton, Conn.

WANTED at once a good florist to grow roses, 'mums, carnations and general bedding stuff; must be a good propagator and not afraid of work; $25.00 and board for first five months; if proved, will pay more; steady place; state experience and reference. C. Humfeld, Clay Center, Kas.

MAN WITH EXPERIENCE WANTED as helper in rose houses. J. M. Gasser, Cleveland, O.

WANTED ASSISTANT, THOROUGHLY posted in the seed, bulb and plant business, and well up in flower seeds. Good position with Eastern retail house. Address S. K., care Florists' Exchange.

MISCELLANEOUS WANTS.

WANTED 3000 ft. of 10x12 glass, double thick, state price. George I. Laird, 3014 Felton St., Brooklyn, N. Y.

WANTED—7000 feet of 12 inch glass either single or double, 10x12, 12x12, 12x14 or 12x16; state price. F. Summerfield & Son, Springfield, Mo.

MISCELLANEOUS.

BARGAIN, 3 greenhouses; 100 sash; 800 feet 2 inch, 1200 feet 4 inch, pipe; 3 boilers. J. A. Foster, 17 Mather street, New Dorchester, Mass.

FOR SALE, some extra good second-hand 3-inch pipe, at 6c. per foot; also some 4-inch; secure it while it lasts. W. H. Salter, Rochester, N. Y.

FOR SALE—3 locomotive pattern boilers; all the above are second-hand steam boilers; one No. 6, second-hand Furman boiler, in use four years, in good condition. Address R. F., care Florists' Exchange.

BUSINESS OPPORTUNITIES.

JUST the place for a florist for rent; South Carolina ave., near Beach, under hotel, open on avenue, size 10x15; very reasonable. Address Fox & Hirsch, La Helle Inn, Atlantic City, N. J.

FOR RENT, with privilege of buying, a place with 3 new greenhouses, 87 feet long, heated by Hitchings No. 17 boiler, dwelling house and city water on place; within 15 minutes from New York City, a good chance for live man. Address John M. Meyer, Sr., Metropolitan P. O., Queens Bor., N. Y.

SEEN, HEARD AND READ.

The S. A. F. has in its brief career played many parts in the matter of enlightenment and instruction of its clientele and the trade generally, and many and varied are the suggestions that emanate from those within its ranks, as to the additional rôles it could or should assume in order to be all-beneficial. One of the latest of these suggestions comes from Lancaster, Pa. Friend Herr now sees a way whereby the society could be still more helpful to the trade in the propaganda of "a simple system of keeping accounts, one that would apply to large and small places, and a set of books for recording them." Here, indeed, is a field for the genius of a Treasurer Beatty or a Dan. B. Long.

* * * *

It occurs to one on the outside that it is not so much a set of books that is needed, as book keepers, with just a slight knowledge of correct business principles; and no set of books, however simply devised, will make a good business man out of a bad one, unless "Barkis is willin'." Much of the after bother and worry arising from credit sales result not so much from the ignorance of buyers on the methods of bookkeeping, as from their total disregard of what their obligations are to the party or parties granting them credit. The S. A. F., if it does anything, should spread the doctrine of *cash sales* more; with consequent less need for books, and if growers have not gumption enough to formulate a simple system of bookkeeping for themselves, the evening schools of the country are at their command free of charge.

* * * *

Mr. Herr also hints at what appears on the face of it another impracticable proposition—that of collection of accounts by the S. A. F. What with this, that and t'other thing for the S. A. F. to do, the florist will, if all are put into effect, have nothing to do but live. The society already tells him how to grow his stock, and how it can be marketed. Now, some would have it buy his goods for him, collect his bills, etc., all for a membership fee, while he enjoys life in an Elysium. There is at present no deterrent to legal proceedings being instituted by the individual to collect overdue accounts, if he so elects. No society can undertake to run the business of its members, in the matter of stating imperatively just when bills must be paid. That rests entirely with the individual, and the individual should insist on accomplishing it to his own satisfaction. Besides the membership of the S. A. F. forms but a small part of the whole fraternity of florists.

* * * *

There are lots of collecting agencies better equipped than the S. A. F. ever could be for this kind of work, eager and willing to do it for a small consideration; and where they fail, and the publication in a "black list" of the names of the delinquents has not the desired effect, then the seller can work out his own salvation by refusing the granting of further credit.

* * * *

The man who succeeds best in business is he who acts in matters of the kind mentioned independently, fearlessly, and with relentless hand. To make the S. A. F. a "Pooh-Bah" for the florist trade could serve no good purpose, and would remove from its members that spirit of self-reliance so essential to their individual welfare.

* * * *

What the S. A. F. might and could do is to furnish information to its members relative to the financial standing of other members, or even the trade at large, for a sum equal to the necessary outlay; still, as this ground is so fully covered already, the herein proposition may, like Mr. Herr's, be considered ethereal. But the S. A. F. can certainly preach "more cash sales, less credit" with impunity.

* * * *

It is encouraging to observe the evident rivalry existing among cities for the annual gathering of the S. A. F. O. H. Already, for 1901, both Buffalo and Chicago are in the field, while for the 1903 convention St. Louis makes a bid thus early. Among other things which may be looked upon as actuating these invitations are the benefits resulting to a city from the visit of the S. A. F., and the desire of local florists to entertain their visiting brethren, the latter, probably, being the strongest impelling force, and so long as this hospitable spirit is present among the craft, there is little fear of the society's extinction. With its "orders" so far ahead, the officers of the S. A. F. O. H. should feel greatly encouraged, and act well their part, so that the utmost good may accrue to all concerned.

* * * *

We hear it asked, now and then, "Who is to be our next president?" and among other names whispered is that of a popular New Yorker. His feeling in the matter has not been ascertained; but one thing is certain, should the society, in its wisdom, see fit to elect him, it is sure of an able, agressive, hard working leader to undertake the labors of the first year of the new century.

BUSINESS OPPORTUNITIES.

FOR SALE—Mushroom plant, 8 miles from New York; fine place of 20 lots with privilege of 30 lots additional; four fine cellars in good working order, chicken houses to accommodate 500 fowl; fruit of all kinds; near two cemeteries; ideal place for florist, small fruit grower, or for incubator plant; rich soil; convenient to trains and trolley; 10c. fare to New York. 7 room brick house and small frame house, large barn, fine water, electric lights, good roads. A bargain to quick buyer. T. K., care Florists' Exchange.

A SACRIFICE—To let, six nearly new greenhouses of 6,000 feet glass, with 100 sash and frames, all heated with Hitchings hot water system; potting shed, 40x15, all improvements; fine dwelling house of seven rooms large barn, 1½ acres of good ground, all planted with general stock; everything in A1 condition; near the entrance of six cemeteries; Cypress Hills trolley cars direct from City Hall, New York, to greenhouses; fare 5 cents, time 36 minutes; rapid transit to 34th St. market, 24 minutes, fare 5 cents; this place must be seen to be appreciated; will take partner if desired; N. B.—Home trade exclusively. Address Heuss, 926 Fulton street, Brooklyn, N. Y.

FOR SALE—240 ACRES OF LAND ON Isthmus of Tehauntepec, State of Vera Cruz, Mexico. For full particulars write Roland Hughes, 846 New York Life Building, Kansas City, Mo.

FOR SALE—AT A GREAT BARGAIN, 52 sash, 3 ft. 8 in., by 12 ft., glazed; 50 rafters, 3 in. by 5 in. by 12 ft.; about 200 lineal feet 1¾x7 in. sill; about 100 lineal feet 1¾x8 in. ridge. All of the above a good quality of pine. Address for particulars, L. MENAND, Cemetery Avenue, Albany, N. Y.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.

Mention the Florists' Exchange when writing.

What John and Jane Found in the Exchange.

John and Jane were husband and wife. John was born with a love for flowers, a love for working among them and a faculty for making them grow; in fact, John was born to be a florist, but he didn't find it out soon enough. Jane always had a flower garden that was the admiration of the neighbors, and after they had been married a number of years, and had saved up a little money and had built a home they thought they would build a greenhouse and grow some carnations. So up the greenhouse went, and into the ground the carnations went. In the meantime Jane had slipped everything she could lay her hands on ready to put into the out-of-the-way corners of the new greenhouse. The carnations grew and were housed, the slips were potted and got into their places; and everything started off swimmingly.

After a while, like many another, John and Jane found it was not always clear sailing in their new enterprise. They didn't know how warm to keep their house nights; they didn't know where to purchase the various tools and the different plants they wanted. In fact, they found there was a good deal more they didn't know than what they did. They read in the daily paper (afterward) of the very interesting meeting of Society of American Florists (it was before the days of the Ornamental Horticulturists), and John said, "Oh, dear, I wish I had known about that. I wonder where I can get a report of the meeting?" Th Jane read of the wonderful exhibits chrysanthemums (afterward) and wish she could have seen the beauties.

One day an old man, who had been the business for 40 years, called to s John. He was a nice old man, who h worked up a good business himself a was willing for somebody else to do t same. After he had looked around a l tle and given John some good advi about various things, he said: "John, you take the FLORISTS' EXCHANGE "No," said John. "What is that "Well," replied the old man, "it is trade paper, published in New York, th gives a great many valuable points to beginner, as well as much valuable info mation for the man who understands b business. You will also find the be firms advertise in it, and it is quite sa to purchase from these advertisers. have taken it," he added, "ever since i first issue, and would not try to get without it." John took down the a dress, inquired the price, and sai "There! I believe that is just what I' been wanting, and didn't know it." H went into the house and told Jane t take that dollar she had saved to bu her a new pair of gloves, and send right off after the FLORISTS' EXCHANG and perhaps when the time came sh could go and see those chrysanthemum if she found out when they were to l seen (beforehand).

Well, the paper came and was eagerl read by both John and Jane, and eve the children were interested. There we the cultural direction of carnations; told the best time of year to slip certai plants; and, as the papers continued t come, John and Jane found the prop time to sow the various seeds, instru tions regarding the water required b various plants; how to keep the plant free from the multitudinous insects tha infest greenhouses. The knowledge the gained from the EXCHANGE began t grow oppressive; and the one house the had built was not anywhere near larg enough to try the various ideas that ha eminated from the EXCHANGE brain Even here they were helped, for in diffe ent issues were given thoughts on con struction; on the proper regulation benches in the houses, etc. So agai they built, and having found (throug the EXCHANGE) a man who raised chry anthemums, and who was willing to se cuttings and plants, they bought som and put them in the new house. The they learned to have some bulbs ready to put on the benches after the days o the chrysanthemums were over. The learned it was a good plan to have a lo of bedding stock ready to fill right up with after the blossoms were gone from the bulbs; they were introduced to tha pretty plant, the swainsona, and sent right off for some, and have never been without it since. They became acquaint ed with many plants they never before heard of. After a while the direction for growing violets attracted John's at tention, so he studied them and then built a violet house, and has picked and sold thousands of good blooms.

The EXCHANGE, too, introduced them to many men whose names have become familiar to them, because of their ideas. There is Secretary Herr, of the Carnation Society. Jane liked him because he said in (the EXCHANGE) that it was a good plan in the dull times for florists to send their surplus flowers to sick and aged people; and Jane always did have a kind heart for the helpless. Then there is Grove P. Rawson, at whose bright, witty writings they always have a good laugh. Then, too, there is Henry A. Dreer, who invites his neighboring florists to come and see him once a year; and John does wish he lived near enough to be considered a neighbor.

I can't begin to tell you of the different men whom they know through the EXCHANGE, nor of the interest they take in the doings of the different floral societies, and the excellent papers read before them; nor of the fine shrubs procured from the Elizabeth Nurseries; nor the nice cinerarias from Whittin & Son. I haven't time to tell how nicely the seeds grew, obtained from Elliott, the bulbs from the Cottage Gardens, nor how the Rose Leaf killed the green fly and Ivory soap the mealy bug.

But when the ten-year anniversary number of the EXCHANGE came round, right there in that little reproduction of its first issue was an advertisement of the man who introduced the EXCHANGE to John. Jane says she would as soon try to keep house without a broom as to run the greenhouse without the EXCHANGE; and John says he will always take the EXCHANGE, if Jane never has another pair of gloves as long as she lives.

ONE OF THEIR NEIGHBORS.

BOWLING

Chicago.—Now that the Spring rush s over, the bowlers propose to keep ac-ively in practice, ready for the New York fray. The first bout will consist of 15 games for final decision as to the onvention team. Last Friday a prnc-ice game was played by nine with esults given below. In addition, P. J. lauswirth, John Degnan and E. F. Vinterson to decide on individual merits s bowlers, played two games in a series f ten, the winner to be awarded a ball nd bag. As will be seen, Degnan, so ar, shows up best. Fred. Benthey is porting a gold watch won at the mail arriers' picnic on June 21, awarded to he one making the most strikes, his, he winning number, being 29.

	1	2	3	4	5
. Stollery	159	202	140	159	165
. Stollery	141	163	132	156	148
Wilson	128	95	...	...	111
smus	152	183	120	111	141
egnan	162	145	154	167	157
lauswirth	127	149	144	160	145
reitling	127	123	116	192	139
Vinterson	114	158	...	...	136

MATCH GAME.

lauswirth	144	160	...	...	...
egnan	154	167	...	...	...
Vinterson	114	158	...	...	...

Ess.

New York.—The scores made on Mon-ay evening last are as under:

	1	2	3
. S. Burns	152	117	149
. A. Manda	152	139	102
. J. Lang	158	123	189
. Schenck	134	125	153
. H. Traendly	139	116	151
. Thielman	140	161	149
. I. Donlan	131	100	172

Boston.—After a few years' lay-off the Boston bowlers got together again on Monday night last, at the Webster alleys, nd worked the kinks out of their arms nd incidentally knocked a few pins own. This was the first meeting under he auspices of the Horticultural Club, nd was for the purpose of picking a eam to compete at the New York Con-ention. Though the attendance was ather light on the opening night, enthu-iasm was not lacking, and it is hoped hat at the next meeting a larger attend-nce will be present. Warren Ewell rolled he highest string, and gives every romise of developing into a high roller. Other scores were very good, when it is aken into consideration that it was the irst time many of the bowlers had rolled a years. George Sutherland did the best work. The scores follow:

	1	2	3	4	5
Gough	122	118	123	117	142
Sutherland	139	155	141	144	141
Ewell	..	161	1 0	127	104
Norton	123	119	113	121	147
Welch	..	115	..	131	95
Cotter	..	..	..	142	..
Dawson	..	..	..	102	..
Leavitt	..	..	..	113	117

F. J. N.

Firms Who Are Building.

PITTSFIELD, ME.—A. J. Loder will shortly begin the erection of a green-house, 100x16 feet.

LEXINGTON, KY.—David Honaker is building a greenhouse to be devoted to the growing of American Beauty roses exclu-sively.

ROCKFORD, ILL.—Harry Woolsey is erecting an office in front of his green-house; he also intends adding to his establishment.

Florist Soper is remodeling the interior of several of his greenhouses.

Ann Arbor, Mich.

John L. Laidlaw, the landscape gar-dener who had charge of the Michigan Central Railroad grounds here so many years, has resigned his position, and it is reported that he will shortly return to Scotland with his family. It is under-stood that John Gipner, who has charge of the floral decorations of the road for the Niles Division, will now be given the oversight and general direction of the work for this division also.

Taunton, Mass.

B. J. Connolly, with his bride, started on a wedding tour through some of the Western states. The marriage ceremony took place in Sacred Heart Church, Wednesday.

Correspondence

Insertion will be given in this column to all communications free from animus, but he opinions expressed do not necessarily reflect our own.

Coil Boilers.

Editor Florists' Exchange.

Two articles appearing lately in n contemporary, one June 7, from J. W. Margrave, of Hiawatha, Kan., and one June 14, from E. B. Beals, Greenfield, Mass., giving the poor innocent coil boiler a scorching, suggested that perhaps fair play ought to be awarded to the aforesaid boiler, as is generally done in many other matters. The coil boiler is a boon to the small florist, and for 1,000 to 4,000 or 5,000 square feet of glass it is probably the cheapest heater, all things considered; and there is not at the present day a water heating boiler in use that will approach a mechanically constructed coil boiler ("mechanically" is following strictly natural laws). There is one in use in Brooklyn for 6,600 square feet of ground space (carnation temperature) that is fired, or left from 8 p. m. until 7 a. m.; and there is no water boiler made yet that will equal it. A guess-work construction of coil boiler might result as Margrave and Beals have stated. The Margrave boiler at least was a very poor guess-work construction, and a coil boiler only in name; it had not one single mechanical idea in its outline, could not be cleaned, and any duration of fire, especially from soft coal, would pack it with soot.

Probably one feature of the aforesaid coil boilers was that the pipe was light-weight steel pipe, and probably 1½ inches in size, instead of full weight, wrought-iron pipe, and 2 inches in size. Probably the construction was based solely upon the idea of heating water, instead of heating and circulating it, as a properly disposed coil boiler will do.

Where the construction is scientific the rebuilding of a coil boiler is simple and not expensive; it is not short-lived, and even if rebuilt every five years, is a cheap investment for small plants. But any construction of pipe can be called a coil boiler, and if of light weight steel pipe, and small size, its life will be short, in-deed.

A. T. HOYT.

LACE FERNS Polystychum Wollastoni.

The finest on the market to-day for cut and center-pieces. We have one houseful in different sizes on hand. Will send you a sample, then judge your self. 1 plant, 6 inch pan; 3 plants, 3 inch pots; 10 young plants, by express, for $1.00; 100 price on application.

ALBERT KNAPPER, Frankford, Philadelphia, Pa.

Mention the Florists' Exchange when writing

8000 ROSES HEALTHY STOCK.

8000 nice plants of Bride and Bridesmaid, from 3 and 3½ inch pots, at $4.00 per 100, or $35 00 per 1000; 500 at 1000 rates.

Full line of BEDDING PLANTS cheap. Will exchange some stock for Chrysanthemums.

300,000 Fine Celery Plants, including White Plume, Giant Pascal and Golden Heart, $2.00 per 1000. Special price on quantity. Cash with order.

W. T. HILLBORN, - Newtown, Bucks Co., PA.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

FOR IMMEDIATE DELIVERY.

Bonnaffon, Niveus, Robinson, Ivory, Merry Monarch, Yellow Merry Monarch and Pres. Smith, from 2½ inch pots, at **$15.00 per 1000.** 500 at 1000 rates. Cash with order, please.

E. LEULY, - West Hoboken, N. J.

Mention the Florists' Exchange when writing.

SURPLUS STOCK **CHRYSANTHEMUMS**

1650 plants from 2½ and 3 in. pots, at $2.00 per 100, or $15.00 for the lot.

250	Glory Pacific,	225	Jerome Jones,
180	Philadelphia,	145	Maud Dean,
140	John Shrimpton,	125	Pennsylvania,
120	Merry Monarch,	100	F. L. Atkins,
90	Modesto,	90	Montmort,
70	Queen,	60	Lager.
60	Bonnaffon,	25	Ruth Ellis.

Cash with order.

GEORGE DARSLEY, Jersey City, N. J.

176 CLAREMONT AVE.

Mention the Florists' Exchange when writing.

ROSES BRIDES and MAIDS, 4 inch, $5.00 per 100; $45.00 per 1000. 2½ in., 3.00 per 100; 25.00 per 1000. 2 inch, 2 50 per 100.

Careful Packing. Light Boxes.

P. COSGROVE & SON, Madison, N. J.

Mention the Florists' Exchange when writing

THE VERY FINEST STOCK OF

IVORY 'MUMS

$2 per 100; $17.50 per 1000.

2,500 ready for this and next week's planting; 2,000 for later planting

Your mon y back if not At.

HENRY EICHHOLZ, - Waynesboro, Pa.

Mention the Florists' Exchange when writing

CHRYSANTHEMUMS!

ROOTED CUTTINGS at $1.50 per 100.

Bonnaffon, Robinson, Jones, Ivory, President Graham and Philadelphia. Cash with order.

GEO. R. GEIGER, Nazareth, Pa.

Mention the Florists' Exchange when writing

Smilax, from 2½ in. pots, $2.00 per 100.
Begonia, Rex varieties, from 3 in. pots, $3.00 per 100.
Russellia Multiflora and Elegantissima, from 3 in. pots, 60 cts. per doz.
Asparagus Tenuissimus Nanus, from 2 in. pots, 50 cts. per doz.
Asparagus Sprengeri, from 2 in. pots, 40c. a doz.
Primula Forbesi, 3 in., 50 cts. per doz.
Astera, Queen of the Market, strong, from soil, $1.00 per 100

J. G. EISELE, 20th and Ontario Sts., Phila., Pa.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Bonnaffon, Bergmann and White Ivory, from 2 inch pots, $1.50 per 100; from 4 inch pots, $3 00 per 100.

PRIMULA CHINENSIS In six colors, mixed, from flats, $1.50 per 100.

Cash With Order.

H. STAHLHUT, New Lots and Shepherd Av. BROOKLYN, N. Y.

Mention the Florists' Exchange when writing.

GERANIUMS

Mixed, 3 inch, at 3 cts.
Rooted cuttings, strong, per 100, $1.50.

Chrysanthemum, Robinson, per 100, $1. Cash please.

WILLIAM STUPPE, Hollis, L.I., N.Y.

Mention the Florists' Exchange when writing.

VALUABLE NOVELTY Beautiful New Foliage Plant.

CHRYSANTHEMUM GREEN AND GOLD

Leaves exquisitely variegated; pale lemon, yellow and light green, the yellow predominating. Lovely at all times, but when adorned with its immense double, fluffy, cream white flowers, beautiful to behold. Comes true, rarely giving green shoots. DON'T FAIL TO TRY IT. $2 00 per doz.; $10.00 per 100. Send for Catalogue and Trade List.

Mrs. Theodosia B. Shepherd, Ventura-by-the-Sea, Cal.

Mention the Florists' Exchange when writing.

SURPLUS STOCK

AT REDUCED PRICES.

Heliotrope and **Salvia Bonfire,** 4-5 in., $5.00 per 100; 2½ in., $2.50 per 100
Geraniums S. A Nutt, Beauty Poitevine, Alphonse Ricard, 4-5 in., $5 00 per 100.
Hegonia Vernon, 4 in., $5 00 per 100.
Ageratum Princess Pauline, 4 in., $4 00 per 100.
Begonias, assorted, 2½ in., $3 00 per 100.
Vinca Variegata, 2½ in., $4.00 per 100.
Parlor Ivy, 2½ in., $2 50 per 100.

CASH WITH ORDER.

A. MACKAY, Passaic, N. J.

Mention the Florists' Exchange when writing

GERANIUMS In good varieties, in bud and bloom, 3½ in. pots, per 100, $5 00. Ivy Ger. in good varieties, in bud and bloom, 3½ in. pots, per 100, $5.00. 200 Mme. Salleroli, 2½ in. pots, nice, per 100, $2 00.
Salvia, 2½ in. pots, per 100, $2 50.
Ageratum, Cope's Pet, 2½ in. pots, per 100, $2 50.
Heliotrope, 3 var., 2½ in. pots, per 100, $2 50.

Cash With Order.

WM. J. CHINNICK, - Trenton, N. J.

Mention the Florists' Exchange when writing.

'MUMS In 2½ inch pots.

	100
Bob Halliday, H. Parr, John K. Shaw	$3 00
Montmort	2 00
Col. D. Appleton	15 00
J. H. Park, rooted cuttings	1 50

DOUBLE SWEET WILLIAM Plants, 25c. per 100; 500, $1 00.

Seed, 1 oz., 50c.; 5 ozs., $2.00.

G. D. LOTZ, - Glen Burnie, Md.

NOW FOR 'MUMS!

I offer to the trade my fine young stock of 'Mums, out of 2½ inch pots.

Early White. Bergmann, Robinson.

Early Yellow. Lager, Whitldin, Mrs. O. P. Bassett.

Early Pink. Glory of Pacific, Rose Owen.

Midseason and Late. Autumn Glory, pink; Modesto, yellow; Bonnaffon, yellow; Dailledouze, yellow; Niveus, white; Mrs. H. Weeks, white; Rob. Halliday, yellow; Mrs. L D. Black. At $2.50 per 100.

Philadelphia, Pennsylvania, Adula and some more newer kinds, at $5.00 per 100.

CASH, PLEASE.

CHAS. ZIMMER, West Collingswood, N. J.

GERANIUMS Bruant, Mrs. Hamilton, Gen. Grant White Swan Arbutus, Crystal Palace Gem, Ivy Geranium, Galilee, Holly Wreath, Count Horace du Cholseul, Mrs. Taylor, and Balm Scented, fine plants, from 2 in. pots, $2 00 per 100.

CHRYSANTHEMUMS A nice assortment. $1 50 per 100.

BEGONIAS Alba Picta, Fochsoides, Dewdrops, and Alba Perfecta, fine plants, from 3 in. pots $2.25 per 100.

ABUTILON Rob. George, Souv. de Bonn, and Eclipse, $1.50 per 100

SALVIA VARIEGATA Feverfew, Little Gem, and Smilax, from 2 in. pots, $1.50 per 100.

DOUBLE PETUNIAS Mottled variety, in bloom, $2.00 per 100.

UMBRELLA PLANT Ready for 4 in. pots, $4 50 per 100.

MAMMOTH VERBENAS Fine plants, from 2½ in. pots, $1.50 per 100.

FUCHSIAS Speciosa and Black Prince, nice p ants, from 2½ in. pots, $2.00 per 100.

FAIRVIEW FLORAL CO., Beatty, Ohio.

CHRYSANTHEMUMS

Bessie Burton	Mrs. Jerome Jones
Belle of Castlewood	Mrs. J. G. Whitldin
Callingfordii	Maud Dean
Eureka	Mrs. S. T. Murdock
Glory of Pacific	Mrs. J. J. Glessner
Ivory	Mrs. H. Weeks
J. H. Woodford	Mrs. O. P. Bassett
Liberty	Rose Owen
Minerva	The Queen
Mme. F. Bergmann	Wm. H. Lincoln

From 2½ inch pots, $2.00 per 100.

GERANIUMS

Alphonse Riccard	La Favorite
Beaute Poitevine	M. Bruant
Centaur	Mme. Jaulin
Gillian M. Gill	Miss Kendell
Double Gen. Grant	Mme. Bruant
Countess de Harcourt	Mme. Barney

From 2½ inch pots, $2.00 per 100.

ENGLISH IVY From 2½ in. pots, $2.00 per 100.

MEMORIAL ROSE 3 in. pots, strong, $4.00 per 100

SMILAX From flats, 50 cts. per 100; $4.00 per 1000.

Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

ACALYPHA SANDERI 2½ inch, $3 00 per 100.

CRIMSON RAMBLER ROSES We will have a fine lot of field plants for winter forcing. Orders taken now.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS Now is the time to plant them. We offer extra fine vigorous plants, from 2 and 2½ inch pots. Everybody likes them; they are so strong and healthy that they surprise all of our new customers; our old customers, of course, always know what to expect, but even they occasionally tell us that our stock is getting better all the time. Following is a partial list.

EARLY	100
Ivory	$3 00
M. Henderson	3 00
Geo. S. Kalb	3 00
Merry Monarch	3 00
Willowbrook	4 00
M. de Montmort	3 00
Mrs J. Whitldin	3 00
John K. Shaw	5 00
Golden Trophy	3 00
Glory of the Pacific	3 00

MID-SEASON	100
Major Bonnaffon	$3 00
Wm. Simpson	3 00
V. Morel	3 00
G. W. Childs	4 00
H. W. Longfellow	3 00
Mrs. Murdoch	3 00
Mrs T. L Park	6 00
Black Hawk	4 00
Mrs. C. H. Pierce	3 00
Mrs. H. Robinson	3 00
Niveus	3 00

LATE	100
Mrs. J. Jones	$4 00
Liberty	4 00
Merry Xmas	4 00
Autumn Glory	3 00
E. Dailledouze	4 00
Golden Wedding	4 00
Nagoya	6 00
Xeno	6 00
Harry Balsley	3 00
Adula	3 00
Mrs. Baer	8 00

In addition to the above we have a large list of new and other standard sorts. Send for complete list.

H. WEBER & SONS, OAKLAND, MD.

Mention the Florists' Exchange when writing.

ROSE PLANTS.

		Per 100.	Per 1000.
AMERICAN BEAUTY,	2½ in.,	$5 00	$45.00
METEOR,	"	3.00	25.00
BRIDE,	"	3.00	25.00
BRIDESMAID	"	3.00	25.00
AMERICAN BEAUTY, lifted from benches,			35.00

A1 STOCK. BEST IN MARKET.

WIETOR BROS., 51 WABASH AVENUE, **CHICAGO.**

Mention the Florists' Exchange when writing.

40,000 FIRST QUALITY FORCING ROSES!

READY FOR IMMEDIATE PLANTING.

Fully equal to those sent out the last eight years, first-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.

WOOTTON, LA FRANCE, AMERICAN BEAUTY, GOLDEN GATE,
3 inch pots, $8.00 per 100. 4 inch pots, $12.00 per 100.

MME. HOSTE, BRIDE, BRIDESMAID, BELLE SIEBRECHT, METEOR, KAISERIN, SUNSET, BON SILENE, MERMET, PERLE,
3 inch pots, $7.00 per 100. 4 inch pots, $10.00 per 100.

Mention this paper. J. L. DILLON, Bloomsburg, Pa.

PHILADELPHIA ROSES
AMERICAN BEAUTIES
Strictly first-class clean stock, cut of 3 and 4 inch; extra strong.
MYERS & SAMTMAN,
Chestnut Hill, Philadelphia, Penn.
Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS...
and Novelties in Decorative Plants.
Market and 49th Sts., PHILADELPHIA, PA.

ROSE PLANTS

	Per 100	Per 1000
Am. Beauty, 3 in. pots	$6 00	$55.00
" " 2½ in. pots	5.00	45 00
Bridesmaid, 3 in. pots	4.00	35.00
" 2½ in. pots	3.00	25.00
Bride, 3 in. pots	4.00	35 00
" 2½ in. pots	3.00	25.00
Perle, 3 in. pots	4.00	35.00
" 2½ in. pots	3.00	25.00
Meteor, 3 in. pots	4.00	35.00
" 2½ pots	3.00	25.00
Golden Gate, 3 in. pots	4.00	35.00
" " 2½ in. pots	3 00	25.00
Kaiserin, 2½ in. pots	3.00	25.00
" 3 in. pots	4.00	35.00

PETER REINBERG, Chicago, Ill.
51 Wabash Ave.
Mention the Florists' Exchange when writing.

ROSES

	2½ inch Per 100	1000.	3 inch Per 100	1000
Brides	$3.00	$25.00	$5.00	$45.00
'Maids	3.00	25.00		
C. Soupert	3.00	25.00	5.00	45.00
Meteor	3.00	25.00	5.00	45.00
Niphetos	3.00			
Musella	3.00	25.00		
Mme. Chatteneux	3.00	25.00		
Papa Gontier	3.00			
Am. Beauty			8.00	75.00

MIXED JARDENIERE FERNS
Mostly Pteris varieties,
$3.00 per 100; $25.00 per 1000.

ASPARAGUS SPRENGERI
2½ in., $4.00 per 100; $35.00 per 1000.

ASPARAGUS PLUMOSUS
2½ in., $6.00 per 100; $55.00 per 1000.

J. B. HEISS, The Exotic Nurseries, **Dayton, Ohio.**
Mention the Florists' Exchange when writing.

ROSE PLANTS

		Per 100	Per 1000
Meteor, Bridesmaid, Bride, La France	2½ in. pots,	$3.00	$25.00
	3 in. pots,	4.00	35.00

American Beauties Lifted from benches,
Per 100, $2.50; per 1000, $20.00.

La France Lifted from benches, per 100, $2.50; per 1000, $20.00

The above is all clean, strong stock ready for planting, no better to be had.

GEORGE REINBERG,
51 Wabash Ave., CHICAGO, ILL.

BRIDE AND BRIDESMAID ROSES

From 3½ Inch Pots at

$4.00 per 100.

JAMES E. BEACH,
2019 Park Ave., BRIDEPORT, CONN.

FORCING ROSES

		Per 100	Per 100
Brides	2½ in.	$2.75;	3½ in., $4.00
Bridesmaids	"	2.75;	" 4 00
Perles	"	3.00;	" 4 50
Sunsets	"	3.00;	" 4.50

Following 2½ Inch Pot Stock:

Prices per 100.

Marie Van Houtte, $2.25	Christine de Noue, $2.25
Duchess Brabant, $2.25	Marie Guillot, $2.25
Purple China, $2.25	Mrs. DeGraw, $2.25
Clothilde Soupert, $2.25	Yellow Soupert, $2.25
Maman Cochet, $2.25	White Maman Cochet, $2.25
Mme. F. Kruger, $2.75	Crimson Rambler, $2.75
Meteor, $2.75	Golden Gate, $3.00
La France, $3.00	Kaiserin, $3.00

Gruss au Tepitz, $5.00

Also 30 other varieties and **Miscellaneous stock.** Send for list.

2-year old **Crimson Ramblers** from 4 inch pots, $8.00 per 100.

Per doz.
Large Compacta Ferns, from 8 inch pans..$6 00
Large Boston Ferns, from 10 inch pans.....10.00

NATIONAL PLANT CO., Dayton, Ohio.
Mention the Florists' Exchange when writing.

ROSES **GOLDEN GATES.** Thrifty stock, fr m 2½ inch p ts, $4 00 per 100 $35.00 per 1000. **BRIDESMAIDS,** $3.00 per 100; $25.00 per 1000.
PHŒNIX CANARIENSIS, from 5 and 6 in. pots, $3.00 per dozen; $20.00 per 100
WM. B. SANDS, Lake Roland, - - BALTIMORE, MD
Mention the Florists' Exchange when writing.

FOR SALE 2000 Bride, 2000 Meteor, and 2000 Perle Plants, all very fine, at 6 cents each.
LOUIS M. NOE, Madison, N. J.
Mention the Florists' Exchange when writing.

IF YOU NEED ROSES
Send us your list for prices.
THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.
Mention the Florists' Exchange when writing.

ROSE PLANTS

Meteor, 3½ inch pots, per 100, $5.00; per 1000, $40.00.

Potted and repotted 4 times. These plants are vigorous and unusally fine. Packed to safely ship any distance.

BRANT & NOE, Forest Glen, **Chicago, Ill.**
Mention the Florists' Exchange when writing.

GEO. A. RACKHAM,
Wholesale Grower of
Carnations and Small Ferns,
880 Van Dyke Ave., Detroit, Mich.
Mention the Florists' Exchange when writing.

Strong Plants.
BRIDES and BRIDESMAIDS
2½ in. pots, $3.00 per 100; $30.00 per 1000.
3 in. pots, $6.00 per 100; $50.00 per 1000.
3½ and 4 in. pots, $7.00 per 100; $60.00 per 1000.
EDW. J. TAYLOR, Southport, Conn.
Mention the Florists' Exchange when writing

ROSE PLANTS

In 3 inch pots, nice and strong.
BRIDESMAID, BRIDE and KAISERIN
$4.00 per 100; $35.00 per 1000.
MERCER FLORAL CO., Trenton, N. J.
CARL E. TAUBE, Proprietor.
Mention the Florists' Exchange when writing

Fine Selected Clean Stock.

1000	**BRIDESMAID**	4	inch pots
700	"	3	" "
300	**MME. CHATENAY**	3	" "
300	**GOLDEN GATE**	4	" "
300	"	3	" "

Low Price on application.

J. R. FREEMAN, 612 13th St., N. W. **Washington, D. C.**
Mention the Florists' Exchange when writing

First-Class Meteor Roses

OUT OF 4 INCH POTS.

Write for Prices.

T. W. LYDECKER, Englewood, N. J.
Mention the Florists' Exchange when writing.

ROSES

From 5 inch pots, at 9c.

A few hundred Coquette des Blanches, Coquette des Alpes and Malmaison; fine strong plants.

Also large-flowered **Clematis,** the finest purple, white, lavender and red sorts, fine plants from 5 inch pots, at 15c. Packing free.

W. H. SALTER, Rochester, N. Y.
Mention the Florists' Exchange when writing

ROSES

1,500 BRIDES, 3 inch Pots,
1,500 'MAIDS, 3 inch Pots,
$3.00 PER 100.

THORNE & CO., Flushing, L. I.
Mention the Florists' Exchange when writing.



ROSES.

Roses on Wooded Island, Chicago

The roses planted by John Thorp on the Wooded Island in 1892 were th exhibits from numerous sources, an have now stood the test eight years. Th high quality of the flowers and size o the plants vary somewhat with the sea son, some Winters being more severe o them than others. Then again, it take n cool June to bring out their finest cha acteristics, and an early morning visit t see them in all their glory. The presen season those mentioned below are th cream of the flock planted, standing a kinds of tests. Quite a number of kinds including the Pride of Washington hedg surrounding the garden, have either die out or proved unworthy of keeping i this climate. The beds of moss roses an some of the hardy June roses, includin, the fine old Mme. Plantier, are now a from 3 to 4 feet in height, and grea bushes of flowers. The stronger h. p.' this year, from 2 to 3 feet bushes, an kinds like Baroness Rothschild, 1 foot t 18 inches, are perfect bouquets of silver sheen. The iron-clad list having beds t themselves still are: In scarlets an crimsons, Gen. Jacqueminot, Anne d Diesbach, Alfred Colomb, Louis Van Houtte, Marshall P. Wilder, Pæonia Prince Camille de Rohan, Victor Verdier Grace Darling a very deep purple.

Rose colors and pinks: John Hopper Mme. Gabriel Luizet, Magna Charta Mrs. John Laing, Paul Neyron, Souv Gabriel de Levet and Mrs. George Dick son.

In light colors: Francois Levet, Baron ess Rothschild, Comptesse de Serenye La France and Merveille de Lyon.

The border round the garden, originally planted with tender roses, teas an others, is now filled with a very choic variety of hardy herbaceous perennia plants. The rose garden proves a con stant attraction, and a bright spot i June days in Jackson Park. Ess.

Cincinnati.

The Market.

The supply of stock is falling off rapidly, especially is this true of carnations, and as usual in all such cases the demand is increasing. Sweet peas are very plentiful, and never were finer than at present; the ruling price is 25c. per 100, but it looks now as if $1.50 per 1,000 would have to be resorted to in order to move the flowers lively.

We are now having some hot and sultry weather, with an occasional thunder storm thrown in, but the carnation plants in the field delight in these conditions, and are growing rapidly; in fact, some of the newer sorts are large enough to house now.

Credits.

I notice quite a good deal is being said about credits by several writers. My experience has been that my best customers are those who pay the first of every month; in fact, 30 days is the limit of credit extended, and all bills are due and payable on the first of every month, regardless of the date of purchase. It would be very much better if there was no credit in the florist's business, especially so far as cut flowers are concerned. It seems to be characteristic of the American people to run in debt; many will use their credit to the limit, and when you want your money they will give you the cold shoulder and pay cash somewhere else for their goods. Collection agencies are all right. They are at times necessary evils, but it's the credit system that keeps them running. The S. A. F. could be made much more useful if it would establish such an agency, or an information bureau, whereby members could be posted as to who paid their bills and who did not. E. G. GILLETT.

ALTERNANTHERAS

P. Major, 2 inch pots, $1.75 per 100; **A. Nana**, 2 inch pots, $1.50 per 100.

COLEUS.

2 inch pots, **Crimson Verschaffeltii, Golden Queen** or **Bedder**, or mixed, $1.50 per 100.
CASH WITH ORDER.

C. A. HARRIS & CO., Delanson, N. Y.

Mention the Florists' Exchange when writing.

FINE, STOCKY PLANTS

	Per 100	1000
STOCK, Princess Alice	$0.30	$2.50
COSMOS, Early Dawn	.35	2.50
CANDYTUFT, Empress	.25	2.00
ZINNIA, Dwarf Double	.35	2.50
CARNATIONS, Margaret, semi-dwarf	.35	2.50

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

LAST CALL

	Per 100
10000 **Coleus**, named, our selection, 2¼ in.	$1 50
5000 **Geraniums**, mixed, 2¼ in.	1 50
3000 **Iresines**, red, also yellow, 2¼ in.	1 50
1000 **Alternanthera**, large-leaved, 2½ in.	1 50
1000 **Begonia**, Red Vernon, 2¼ in.	1 50
1000 **Begonia**, Erfordi, 2¼ in.	1 50
2000 **Begonias**, mixed, 2¼ in.	1 50
1000 **Fuchsias**, mixed, 2¼ in	1 60
300 **Asparagus Plumosus**, 7 in	20 00

CASH.

THE MORRIS FLORAL CO., Morris, Ill.

Mention the Florists' Exchange when writing.

GERANIUMS

Double Gen. Grant, Gloire de France and de Tastpede, from 3 inch pots, stocky, $4 00 per 100; from 4 in. pots, extra strong, at $8.00 per 100. One year old stock plants, from 5 in. pots, at $15.00 per 100.

Fuchsias, from 2½ in. pots, strong, $2.50 per 100.
Heliotropes, from 3 in. pots, at $3.00 per 100.
Salvia Splendens, from 3 in. pots, at $3.00 per 100.
Alyssum, Double Giant, from 3 in. pots, $4 00 per 100.
Vinca Variegata, from 4 in. pots, $12.00 per 100.
Vinca Variegata, from 2½ in pots, 18 to 24 inches long, just the thing for hanging baskets, at $5.00 per 100.
German Ivies, from 3 in. pots, strong, $4.00 per 100.
Tropæolums, tall and dwarf, from 2 inch pots, at $1.00 per 100.
Selaginella, from 4 inch pots, $6.00 per 100.
Celery Plants, from seed bed, at $2.00 per 1000; 25c. per 100.

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

Bedding Plants

CHEAP.

Geraniums, 25 varieties, assorted **Fuchsias**, 6 varieties; **Lantanas, Cigar Plants, Verbenas, Coleus, Salvias, Petunias**, double and single; **Heliotropes, Thunbergias, Lobelias, Ricinus, Cannas, Caladiums, Myrtle, Var. Funkias, Var. Vinca, Marigold, Asters, Balsam.**

Mix you up 12 of any of these at 65c., $5.00 per 100, $40.00 per 1000, out of 3½ and 4 in. pots; 30c. per doz., $2.00 per 100, out of 2 and 2½ in. pots.

K. E. JUUL, Cor. Chestnut and Walnut Sts., **Elizabeth, N. J.**

Mention the Florists' Exchange when writing.

SOME GOOD STOCK

	Per 100
Solanum Capsicastrum, 2 in.	$1 50
Smilax, strong, 2 in	1 25
Carex var., fine, 2 in.	3 00
Boston Ferns, strong	5 00
Aspidistra, 10 leaves	4 50
Asparagus Sprengeri, 2 in.	2 00

A. C. FEHR, Belleville, Ills.

Mention the Florists' Exchange when writing.

500 POINSETTIAS

In 5 and 6 inch pots,
FOR SALE.

EUGENE MURRAY, Jersey City, N. J.
162 JEWETT AVENUE.

Mention the Florists' Exchange when writing.

A Few Good Things You Want

REX BEGONIA, extra fine, 2½ in., $4.00 per 100 3 in., $6.00 per 100.
GERANIUMS, Bonnat, single and double Grant, S. A. Nutt, Mrs. E. G. Hill, 3 in., $5.00 per 100.
COLEUS, red and yellow, 2 in., $2.00 per 100.
SALVIA, Clara Bedman, 2 in., $2.00 per 100.
VINCA VAR., 2½ in., $3.00 per 100.
AGERATUM, blue and white, 2 in., $2.00 per 100.
SMILAX, 2 in., $2.00 per 100.
BRIDESMAID ROSE, 3 in., $5.00 per 100.
SWORD FERN, Nephrolepis Cordata Compacta 2½ in., $3.00 per 100.

Fine stock of **KENTIA BELMOREANA** and **FORSTERIANA**, just right for growing on, 2½ in., $10.00; 3 in., $20.00; 4 in., $40.00 per 100. Nice clean stock, and can't be duplicated anywhere for the money. *Cash with order.*

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

ALTERNANTHERA.

Red, per 100, $2.00; per 1000, $18.00.
Yellow, " 1.75; " " 15.00.

	Per 100
Verbenas, Mammoth, 2 in.	$1.00
Rudbeckia, Golden Glow, 2½ in.	2.00
Abutilon, Souv. de Bonn, 3 in.	2.50
Fuchsias, best mixed varieties, 3 in.	3.00
Petunias, Single, 3 in.	3.00
Cigar Plant, 3 in.	2.50
Coleus, Golden Bedder, 2 in.	2.00
Lantanas, Mixed, 3 in.	3.00

Satisfaction Guaranteed. Cash with Order.

GEO. L. MILLER, Newark, Ohio.

Mention the Florists' Exchange when writing.

SURPLUS STOCK

	Per 100
125 Egandale Canna, 3 in. pots	$8.00
275 Robusta Canna, 3 in. pots	6.00
Grevillea Robusta, 2½ in. pots, strong stock, 12 in. to 18 in. high	3.00
Asparagus Tenuissimus, 2½ in. pots	3.00
Cyperus Alternifolius, 2½ in. pots	2.50
Lemon Verbena, 2 in. pots	2.50
Coleus, best varieties, mixed	2.00
Cobæa Scandens, 3 in. pots	3.00
Centaurea Gymnocarpa, 2½ in. pots	2.50
Vinca Major Variegata, 2 in. pots, $20 a 1000.	2.50
Petunias, double fringed, mixed, 2½ in. pots	3.00
Variegated Japanese Hop, 2½ in. pots	2.50
Geraniums, best named varieties, 2½ in. pots	2.50
" 4 in. pots	6.00

List of varieties of above stock free on application.

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

HELIOTROPE

2 inch, $2.00 per 100.

Merry Christmas 'Mums, 2 inch, $2.00 per 100.
Baby Primrose, $1.50 per 100.
Smilax, from flats, $1.00 per 100.
Geraniums, 4 inch, single Gen. Grant, $6.00 per 100.

CASH WITH ORDER.

WM. KEIR, - Pikesville, Md.

Mention the Florists' Exchange when writing.

ASTER PLANTS

Fine, stocky plants from the field.

Ostrich Feathers, Queen of the Market, Semple's, Victoria, Vick's and Truffaut's Perfection, 35c. per 100; 300 for $1.00; $2 50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

XXX STOCK

SPECIAL OFFER for Immediate Orders.

Cyclamen Persicum Splendens Giganteum, finest strain in the world. Now ready to ship, a splendid stock of plants in four true colors—red, white, pink, and white with carmine eye—from 2½ in. pots, $4.00 per 100; $35.00 per 1000; 500 at the 1000 rate.

Cinerarias Hyb. Maxima Grandiflora and maxima grandiflora nana, strain superb in every way, from flats transplanted, $1.75 per 100; $15.00 per 1000; 250 at the 1000 rate.

All Stock Guaranteed A No. 1.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

FIRST-CLASS STOCK

	Doz.	100
Ageratum, Cope's Pet, 2½ in. pots	$0.50	$2.50
Alternanthera, transplanted—		
P. Rosea	1.00	7.00
Aurea Nana	1.00	7.00
Begonias, assorted, 2½ in. pots.	.60	4.00
Coleus—		
Golden Bedder, 2½ in. pots	.50	2.00
Verschaffeltii, 2½ in. pots	.50	2.00
Dracæna Indivisa—		
4 in. pots, very strong	2.25	18.00
German Ivy, 2½ in. pots	.50	2.00
Hedera Helix (English Ivy), 2½ in. pots	.50	3.00
Lemon Verbena, 2½ in. pots.	.75	4.00
Maranta Bicolor, 2½ in. pots	.75	5.00
Salvia Splendens, Bonfire, flats	.50	2.00
Vinca, Variegated trailing, 2½ in. pots	.50	3.00
Vinca, Green trailing, 2½ in. pots	.50	3.00
Vinca, shrubby, 2½ in. pots	.75	4.00

N. B.—All orders amounting to $5.00 and over are forwarded F. O. B. New York City.

Orders from unknown correspondents are sent C. O. D.

SEAWANHAKA GREENHOUSES,
OYSTER BAY, L. I.
Lock Box 227. W. L. SWAN, Prop.

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J. E. FELTHOUSEN,

Rooted Cutting Specialist,
SCHENECTADY, N. Y.

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STEVIA

Dwarf, strong plants, out of 2½ inch pots, $3.00 per 100; $25 00 per 1000. Strong rooted cuttings, $1.50 per 100.

VIOLETS, Marie Louise, strong, healthy plants, out of 2½ inch pots, $3.00 per 100; $25.00 per 1000.

CELERY PLANTS, Strong, field grown, in 8 varieties, in any quantity. Extra selected stocky plants, $1.50 per 1000. CASH, PLEASE.

WM. S. HERZOG, Morris Plains, N. J.

Mention the Florists' Exchange when writing.

ALTERNANTHERA

Red and green, from pots, $1.50 per 100.

CALADIUM ESCULENTUM 5 inch, strong, $6.00 per 100.
BOUGAINVILLEA SANDERIANA 3 inch, extra fine, $5 00 per doz.

GROVEDALE NURSERIES, Phila., Pa.
Fisher's Lane, above 2d Street.

Mention the Florists' Exchange when writing.

CANNAS

Austria, strong plants from 3½ in. pots,	$6.00 per 100		
Burbank,	"	3½ "	6 00 "

ROSES.

Bridesmaid, Bon Silene, Catherine Mermet, Duchess of Albany, Golden Gate, Maid of Honor, Perle des Jardins, Sunset, The Bride. from 2½ in. pots, $4.00 per 100, $38.00 per 1000; from 3 in. pots, $7.00 per 100; $60.00 per 1000.

CHRYSANTHEMUMS.

For Varieties and Prices see issue of June 9th.

READY FOR **VIOLETS** IMMEDIATE PLANTING.

Marie Louise, from 2½ inch pots, fine stock, $3.00 per 100; $25.00 per 1000.

MISCELLANEOUS PLANTS.

Ready for Immediate Sales.

	Per 100
Anthemis, Dbl. Golden Marguerite, 2½ in. pots,	$3.00
Ageratum, blue and white, 2½ in pots	3.00
" Princess Pauline, 2½ in. pots	4.00
Cuphea, Platycentra, 2½ in. pots	3 00
Carnations, in bud and bloom, 4 in. pots	12.00
Fuchsias, double and single, 2½ in. pots	3.00
" " " " 3½ in. pots	8.00
Geraniums, double and single, 3½ in. pots	7.00
" " " 3 in. pots	5.00
Heliotrope, light and dark, 3½ in. pots	5.00
" " " 2½ in. pots	3.00
Moon Flower, white, 2½ in. pots	4.00
Pansies, transplanted	2.50
Salvias, Splendens and Bedman, 2½ in. pots	3.00
" " " 3½ in. pots	5.00
Feverfew, dwarf, from 2½ in. pots	4.00
Impatiens Sultani, from 2½ in pots	4.00
" from 3 in. pots	6.00
Pelargoniums, from 2½ in. pots	6.00
Hydrangeas, in bud and bloom, 4 in.	24.00
5 in.	25.00

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

READ THIS NOW

WE HAVE WORKED IT OVER FOR YOUR BENEFIT

ROOTED CUTTINGS.

	Per 100
Anthemis, Double Yellow Marguerite, 2½ in.	$3 00
3 in.	6 00
Alternanthera, 2½ in., $20 a 1000;	2 50
Abutilon, Var. Trailing, 2½ in.	4 00
Begonia Rex, 2½ in.	4 00
4 in.	10 00
Coleus, 2½ in.	3 00
Centaurea Gymnocarpa, 2½ in.	2 00
Cobæa Scandens, 2½ in.	3 00
3 in.	5 00
Dracæna Indivisa, 4 in.	15 00
4½ in.	25 00
5 in.	35 00
6 in.	50 00
Fuchsias, 2½ in.	3 00
3 in.	4 00
Trailing Queen, 2½	4 00

	Per 100
Ficus Elastica, 3½ in., $3 per doz.	
Geraniums, Mars, 2 in.	$4 00
Mars, 2½ in.	6 00
3 in.	8 00
Rose Scented, 2½ in.	3 00
Mme. Bruant, 2 in.	4 00
S. A. Nutt, 2½ in.	3 00
3 in.	6 00
La Favorite, 3 in.	6 00
2½ in.	3 00
Mme Salleroi, 2 in.	2 00
2½ in.	$2.50 to 3 00
3 in.	6 00
Ivy, mixed, 2½ in.	3 00
German Ivy, 2½ in.	2 00
Lobelia, 2½ in.	2 00
Maurandya Vine, 2½ in.	2 00
Manettia Bicolor, 2½ in.	3 00
Nasturtium, Trailing, 2½ in.	2 00

	Per 100
Pyrethrum, Golden Feather, 2½ in	$2 00
Little Gem, 3½ in.	4 00
Pansy Plants, in bloom	1 50
In bud	$8.00 per 1000; 1 00
Petunias, single, 2½ in.	3 00
Single, 3 in.	4 00
Double, 2½ in.	6 00
3 in.	8 00
Palm, Washingtonia Filifera, 2½ in.	4 00
3 in.	6 00
Salvia, 2½ in.	2 50
3½ in.	4 00
Vinca, 2½ in.	3 00
3 in.	5 00
4 in.	10 00
5 in.	15 00

WRITE US FOR PRICES ON 1000 LOTS.

	Per 100
Alyssum, Double Giant	$1 00
Variegated	1 25
Abutilon, variegated	1 50
Ageratum, Blue and White	1 00
Princess Pauline	1 25
Anthemis Cor., (Double Yellow Marguerite)	1 50
Coleus....per 100, $7.00	80
Fancy	1 00
German Ivy	1 25
Geraniums, Sweet Scented	1 50
Assorted	1 50
Mixed	1 25
Happy Thought	2 00
Freak of Nature	2 50
Bronze	1 50

	Per 100
Geraniums, Silver Leaf	$1 50
Mrs. Pollock	2 00
Mrs. Parker	4 00
Mme. Salleroi	1 25
Mars	2 50
Mme. Bruant, Mme. Taylor	2 00
Dr. Livingston	2 00
Impatiens Sultani	1 50
Heliotrope	1 25
Lemon Verbena	1 50
Manettia Bicolor	1 50
Pyrethrum, Little Gem	1 50
Pelargoniums, mixed	3 00
Salvia	1 25
Stevia Var.	1 50
Vinca Var.....$10.00 per 1000	1 25

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00.
Payable in advance. The date on the address label indicates when subscription expires.

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A red sport of rose Kaiserin Augusta Victoria is reported from Germany.

Heating Contracts.

Messrs. Rienler & Radnor, 411 State street, Milwaukee, Wis., Wisconsin agents of the Herendeen Manufacturing Co., of Geneva, N. Y., have just completed a large steam heating plant for the Burlington Floral Co., Burlington, Wis., using one of the firm's No. 8 boilers. The same parties have begun the erection of a large hot water heating plant in the greenhouses of O. W. Potter, Lake Geneva, Wis., using one of the Herendeen Company's No. 8 boilers.

Publishers' Announcement.

PRIZE PHOTOGRAPHIC COMPETITION.

The publishers of the FLORISTS' EXCHANGE offer special inducements in the endeavor to encourage the practice of the art of photography, as relating to their industry, among its readers, with the aim that this may lead to a more thorough understanding of what constitutes desirable photographs for reproduction, either in the trade press, catalogues, or for advertising purposes generally; also to advance the fact that the ability to take a good photograph will serve as a first-class introduction to do more business.

The competition remains open for the three months of **July, August and September**; awards will be made at the close of each month on the pictures submitted during that month; these should reach us not later than the 30th.

The Prizes We will pay, each month, for that photograph which shall be adjudged the best received during the month, a prize of **$5.00 in cash** (or $6.00 in books, at winner's option). For all other photographs retained, prizes of 50 cents and $1.00 each will be paid, according to their merit.

The Conditions The months named comprise the open or outdoor season, hence preference will be given to pictures of specimen Shade, Ornamental and Flowering Trees and Shrubs, Climbing Vines, Hardy Herbaceous Plants, and outdoor planting generally. Other factors being equal, sharpness of finish and clearness of detail will decide the order of merit.

Size of photographs submitted should not be less than 4x5 inches. This competition is open to every subscriber to the FLORISTS' EXCHANGE in good standing, and all photographs submitted must be of their own unassisted taking; the mechanical portion, however, may be done by professionals.

Competitors must indorse name and full particulars as to size, locality, etc., of subject and date taken, on the back of all photographs, and these must be most carefully packed so as to avoid cracking or breakage in the mail.

The FLORISTS' EXCHANGE to reserve all rights to all such photographs as the publishers may award prizes or money to; others will be returned if accompanied by sufficient stamps to pay postage. Photos may be taken whenever a subject presents itself.

The publishers also reserve the right to withhold the first prize should none of the subjects offered be deemed worthy thereof.

Send for our free pamphlet, especially printed for the amateurs in the trade, "Practical Photography." Address all communications,

PHOTOGRAPHIC COMPETITION,
The Florists' Exchange, Rose and Duane Streets, New York.

Prize Bedding Competition.

The publishers of the FLORISTS' EXCHANGE herewith extend an opportunity to all originators and makers of flower and foliage bedding designs to prove their skill before their fellow-workers. The season is well advanced, the beds have about taken on their designated form and appearance, and now is the time to accurately describe them.

DESIGNS AND PRIZES.

Class A—For the best and most effective **Circular Bed**, planted in a design, with low growing foliage plants only—excepting in the center, where a taller plant may have been used in harmony with the rest.
Prize—A Five Dollar Gold Piece.

Class B—For the best **Carpet Bed**, any size or shape.
Prize—A Five Dollar Gold Piece.

Class C—For the best **Border, Scroll, or Ribbon Bed**; dwarf plants only, either flowering, foliage or mixed.
Prize—A Five Dollar Gold Piece.

Class D—For the best **Group of Beds**, any design or pattern, planted for foliage effect.
Prize—A Five Dollar Gold Piece.

Class E—For the best **Mixed Bed or Border**, planted for sub-tropical effect or otherwise.
Prize—A Five Dollar Gold Piece.

CONDITIONS.

This competition is open to all: employers, employees, subscribers, or non-subscribers; it is required, however, that competitors must have actually set out or planned the beds themselves.

The publishers reserve the right to withhold an award in any class unless there are at least three competitors in said class.

Competitors must send to this office a correct drawing to scale of each design submitted, in strong black ink (do not put more than one design on a sheet), together with full descriptions of how the measurements were taken, and the number and variety of plants used in filling them. This office will furnish sectional drawing paper free when requested.

Although not at all essential to winning a prize, we will be glad to receive photographs in addition to diagrams when possible.

Competitors may enter for one or for all five classes.

Diagrams and photos must be fully protected against being cracked or broken in the mails.

This competition is now open and will close Saturday, September 15.

Address all communications,

Publishers FLORISTS' EXCHANGE,
Bedding Competition. P. O. Box 1697, N. Y. CITY.

The American Carnation Society.

The preliminary premium list for the Baltimore meeting in February next has been issued.

A few changes from previous schedules are noted. The specifications in the various classes are confined to colors only; that is to say, named varieties are eliminated from these classes. The amount of money offered for prizes has also been added to considerably. In Class A, for vases of 100 blooms, the first prize is $12; second prize, $6 each. In class B, for vases of 50 blooms, first prize is $6; second, $3 each, and in class C, for vases of 25 flowers, first prize is $3; second prize, $1.50 each.

It is announced in the schedule that a number of special premiums will no doubt be offered by the disseminators of new varieties. The following special prizes are already named:

The Michel Cup, to be awarded to the individual or firm making the largest and finest display at the show.

The Society Cup, to be given for the best arrangement of carnation blooms with their own or other foliage, but no other flowers to be used.

The Lawson gold medal will be awarded to the best vase of 100 blooms, any variety, any color.

The Lawson silver medal will be awarded to the best vase of 25 blooms, any variety, any color.

The Lawson bronze medal will be awarded to the best 12 blooms of a seedling carnation not yet disseminated.

Vases competing for the Lawson medals are not allowed to compete in any of the other classes with the same vase.

Copies of the preliminary schedule may be secured from Secretary Albert M. Herr, Lancaster, Pa. Instructions for entering varieties and a program of the meeting will be issued early in January.

N. Y. Florists' Club Souvenir.

The material for the Souvenir Book, which the New York Florists' Club intends issuing in connection with the S. A. F. O. H. Convention in August next, will be in the hands of the printer next week. Parties intending to advertise in the book should lose no time in securing space from Treasurer C. B. Weathered, 46 Marion street, New York.

The Souvenir, in addition to containing some interesting data regarding the S. A. F. and its work, the florist's business of the city, ancient and modern, etc., will be handsomely illustrated by views of points of interest in New York, the parks of Manhattan, Brooklyn and the Bronx, besides having other excellent features calculated to create in the minds of the recipients a desire to retain the work as a memento of their visit to the Metropolis in the closing year of the century. The book is to be gotten up handsomely, and will be turned out in the printer's best style. As a permanent advertising medium, therefore, the Souvenir offers exceptional opportunities.

The Flower Trade in India.

The trade of the florist, pure and simple, is a very ancient one in India, where the sale of flowers has been carried on as a profession for ages. A visit to the native quarter of Calcutta, or any large town in India, will show how far this profession of the florist is carried on. In Calcutta we have the Municipal Market where flower stalls on the European model are fairly numerous. Some of the proprietors of these stalls own gardens up the line of railway, whence consignments of flowers are daily received. That the profession is a lucrative one, admits of no doubt. The trade is as yet confined to natives; but there is no reason why Europeans should not take to it. Last cold season the demand for flowers exceeded the supply, and record prices were paid for bouquets, 150 rupees (about $35) being demanded and paid for a single bouquet for Lady Curzon's Drawing Room.—Indian Gardening.

OBITUARY.

John Hallam.

Another of Toronto's prominent citizens passed away last week in the person of John Hallam. At the time of the convention of the S. A. F. here, Mr. Hallam was chairman of our Parks and Gardens Committee, and took considerable interest in the meeting. He was much interested in all connected with shrubs, trees and flowers, and spent time and money in introducing new varieties into our country. He was a public-spirited man, taking great pride in our parks. The deceased was a self-educated man, and he had a wide knowledge of men and affairs. He was for years a director of the Industrial Exhibition and an honorary member of the Toronto Gardeners and Florists' Association. T. M.

N. J. Cosgrove.

Nicholas J. Cosgrove, son of P. Cosgrove, rose grower, of Madison, N. J., and brother of Jas. A., Frank P. and John F. Cosgrove, died suddenly, of heart disease, Saturday morning last, on the board the steamer Monmouth, of the Sandy Hook Line. Though not a florist he was well known to many in the trade. Mr. Cosgrove was 34 years old, and for the past nine years had been manager for a large lace and silk importing house at 51 Greene street, New York City. He leaves a widow.

John C. Smith.

John C. Smith, a grower of flower seeds at Newburyport, Mass., died June 18, aged 74 years. In early life he was a shoemaker. A widow survives him.

New York.

The Market.

Comparisons are always odious, and they were never more so than when the present week's wholesale flower business was compared with the corresponding week of last year. At that time there was a fair demand for the stock, and there was much more coming in than at present. Whether the excessive heat we have been having, or fewer flowers are being used for commencement exercises, or both, have tended to make the flower business so dull, we are unable to determine, but true it is, that for the last week in June this has been the poorest one for some years. It is also remarked that collections are very slow—a fact that is not encouraging, to say the least.

The supply of roses and carnations has fallen off very considerably. Of the roses that come in but few can be found that are really good, consequently these can be disposed of at about the same figures as last week. Outdoor flowers are of poor quality, with scarcely any demand for them. This condition is the result of the very warm weather of the last four or five days; the mercury dancing around the nineties. Such flowers as sweet peas have sometimes wilted right away within an hour after they were received in the market. Gladiolus, iris, cornflowers, stocks, h. p. roses and all the other hardy flowers have been at a disadvantage during the hot spell, and, as for fixed prices or values, there were none. Lilies even have been a drug, and sales have been effected at as low as $1 per 100.

Among the retailers there is a general quietness. Windows are kept looking at their best, and the buyers make a daily tour of the wholesale district, more, probably, from force of habit than anything else.

Auction Sales.

The season closed this week in the auction rooms, and the number of plants handled during the season is probably larger than ever before. Wm. Elliot & Sons closed their sales with one of palms and other decorative plants on Tuesday. The stock was very fine and went off very satisfactorily. Cleary & Co.'s last sales were on Thursday and Friday, and consisted chiefly of choice Japanese plants.

Brevities.

The committee appointed by the president of the New York Market Florists' Association, called upon the Comptroller last Monday forenoon with regard to the present dilapidated condition of Clinton Market. The Comptroller assured the committee that he would take up the matter and give it his attention. Mr. Patrick O'Mara and Mr. J. Weir were with the committee and rendered valuable assistance.

A meeting of the members of the above association will be held at the Clinton Market, Thursday, July 12, at 8 p. m. As the business is urgent every member should make a special effort to be present.

Manager J. P. Cleary, of the S. A. F. trade exhibit, informs us that space in the exhibition hall is being taken up quite freely. This promises to be the largest trade exhibit ever held, and parties wanting space will do well to inquire early.

Robert Schultz, rose grower of Madison, N. J., was married on Tuesday, the bride being a young lady from Jamaica, N. Y. The married couple started Bostonward via the evening boat directly after the ceremony.

C. W. Ward is visiting in Detroit this week.

C. B. Weathered is touring the principal cities of the Middle West.

J. A. Penman has again been obliged to enter the hospital owing to his continued ill health.

Thos. Young, Jr., is back after spending a few days in the hills of Pennsylvania.

W. F. Sheridan returned Wednesday from a ten days' fishing excursion.

Chas. Thorley has gone to the Berkshire hills for a vacation.

J. I. Raynor's bicycle came easy (he won it in a raffle), but has been a hoodoo so far.

The Reception Committee of the Florists' Club, together with Pres. P. O'Mara, met Tuesday afternoon and discussed matters pertaining to the convention entertainments. A goodly number of the members was present.

Miss E. Hodgson, a daughter of the late J. M. Hodgson, died suddenly at Newport, R. I., last Saturday.

James Hart, the obliging salesman for his brother, M. A. Hart, was married on Sunday last to Miss McCafferty. The ceremony was performed by the Rev. Father Taylor at the Church of the Blessed Sacrament, West 71st street.

The sympathies of the trade will go out to S. J. Limprecht, West 30th street, when they learn of the great loss he sustained this week by the drowning of his son Freddie, aged 7 years and 4 months. While staying at New Rochelle, on Wednesday afternoon, Freddie, along with another boy younger than himself, went on the river in a row boat. Through some cause or other the little fellow fell overboard and was drowned.

Visitors.

Professor Galloway, of Washington, D. C., and Dr. Wm. Trelease, of St. Louis, were in the city this week, attending the meetings of the Association for the Advancement of Science, which were held at various points in New York and vicinity.

Philadelphia.

Market is Quiet.

The flower market is very quiet some growers have discontinued sending in material, until the newly planted stock comes in. Good roses when wanted are difficult to obtain. Sweet peas are abundant, good stock being sold at from 30c. to 50c. per 100, while the street men are buying at $1 per 1,000.

The stores have been unusually quiet the past week; on account of the extreme warm weather transient trade has been dull, and there has been but little funeral work on hand.

Club Meeting Night.

Next Tuesday evening will be Florists' Club meeting, and it is hoped that a good attendance will be on hand to talk over convention matters. The bowlers are attending to their duties in good shape; every night, no matter how warm, some are on hand for practice.

Jottings.

Most of the growers are now busy repairing houses and planting. Joseph Heacock is making alterations in benching and piping some six or seven houses. He has had a good season on palms, being well sold out of many sizes.

Fishing trips are now the order of the day—John Westcott made his preliminary trip to Waretown last week, and goes down again in a week or so with a party and two or three to be initiated.

C. S. Loder, of National Florists' Board of Trade, spent two days here this week. Another arrival was A. W. Stephens, who is canvassing for Prof. Bailey's new book, "The Cyclopedia of American Horticulture."

DAVID ROST.

John G. Barker, formerly superintendent of Forest Hills Cemetery, Boston, and lately in private practice in landscape gardening, at South Bend, Ind., and elsewhere, has accepted an appointment in Philadelphia, to take charge of Graceland Cemetery, now in course of development.

Toronto.

Market Notes.

Business is fast getting down to the Summer level. Cut flowers are plentiful, and roses generally are not first-class, much of the stock coming in being mildewed and off color. Really good flowers still sell well. Dunlop is sending in some good Beauty. A great many pæonies are still being sold. Hardy roses, gaillardias, Coreopsis lanceolata, Clematis Davidiana, hemerocallis, sweet peas and Cypripedium spectabile are to be seen around, and make our store windows look bright and business-like.

The plant trade is now very dull, and but few good plants are to be seen on St. Lawrence market. Most of the boys report business this Spring as being very good and prices better than before.

T. M.

Buffalo.

Summer atmospheres, in warmth, are a feature now. This week sees a finish up of commencement calls for flowers, and a few small wedding orders close up modestly in that line. Outdoor sweet peas are in, of good quality and fairly plentiful. Roses are smaller and scarcer; carnations still abundant, and quite good in quality.

The systematic bedding plant man is now sending out his bills. VIDI.

BOOKS RECEIVED.

SIXTY BEDDING DESIGNS.—Publishers H. Cannell & Sons, Swanley, Kent; also gives full particulars of plants and how to arrange them for effect—a useful book for the gardener and florist.

CHANGES IN BUSINESS.

NASHVILLE, TENN.—A charter has been issued to the Memphis Floral Company, of Shelby County, with $10,000 capital stock. The incorporators are: C. H. Hune, Miss L. C. Watson, Fred Amentrout, M. L. Click, Albert Haisch.

RIDGEWOOD, N. J.—Wm. P. Barkham has taken the establishment of H. Hales' floral nurseries, and will continue the business from July 1.

MIDDLETOWN, N. Y.—Edward Firkins has started in business here, leasing the Firnhaber greenhouses. The business will be chiefly local.

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(132) **Plant for Name.**—B. A. Roach.—The plant is evidently a species of Vicia, which one it is impossible to say without having seen a flower. None of the species is of much horticultural value.

(133) **Making a Carnation Bench.**—The bottom of a carnation bench should be made with the boards an inch apart at the least, to allow for drainage. Straw placed over the openings will keep the soil from falling through.

(134) **Wagon for Plant Trade.**—What style of wagon is best suited for a retail plant trade, where the team is sent out from 8 to 14 miles, sometimes returning and often remaining the next day.—A SUBSCRIBER.

—Will some reader who has a knowledge of wagons for retail plant work please oblige?

(135) **Preserving Ivy Leaves.**—Ivy leaves being evergreen there has been no necessity for packing and preserving them, seeing they may be picked and used when wanted. Put in cold storage they would no doubt keep indefinitely, the same as do the galax leaves. Aside from this we know of no way of preserving them. If the wreath is mossed, the same as is done for flowers, and the leaves are put well into it, using only those that are thoroughly matured, the wreath will last a long time if kept moist, though just how long depends upon circumstances. Out in the full sunshine it would not last half as long as it would do in a cool place.

(136) **Roses.**—I want to grow a few roses next Winter but the house will not be ready until September. Can I get good results by transplanting into the house at that time? If not, please tell me the best way to get them under these conditions?—F. N. A.

—To make the best of the roses, seeing that the house will not be ready for occupation until September, we would advise growing the plants in pots until that time. If the stock is not already secured it should be had at once and potted along. Plants may be stood outdoors and must receive plenty of attention as regards watering and keeping them free from aphis. Pot them again in July, or as soon as they require it, and again in August if necessary, the main object being to keep them growing without a check. When the house is ready the plants will be of good size and stocky, and give nearly the same results as if they had been on the bench all Summer; and the extra work will be amply repaid. We would add that all flower buds should be taken off that appear before the plants are in their final growing place.

(137) **Heating.**—I would be pleased if you would tell me how to run my hot water pipes in houses on different levels. Two of the houses run—well—north and south, and the other east and west. The north and south houses are 3 feet higher than the east and west house. The houses are all the same height in ridges—10 feet 6 inches. Now, the experience is that I have all pipes under benches. The north and south houses have overhead flow; the east and west house under-bench flow. The north and south houses, being the highest, take all the heat. I have a valve on the high houses, and when I choke that then the low house works O. K., but the high houses fall in temperature. Will the main flows all have to be on a level or not? Houses are all fitted with 1½-inch returns and 2½-inch flows.—Q.

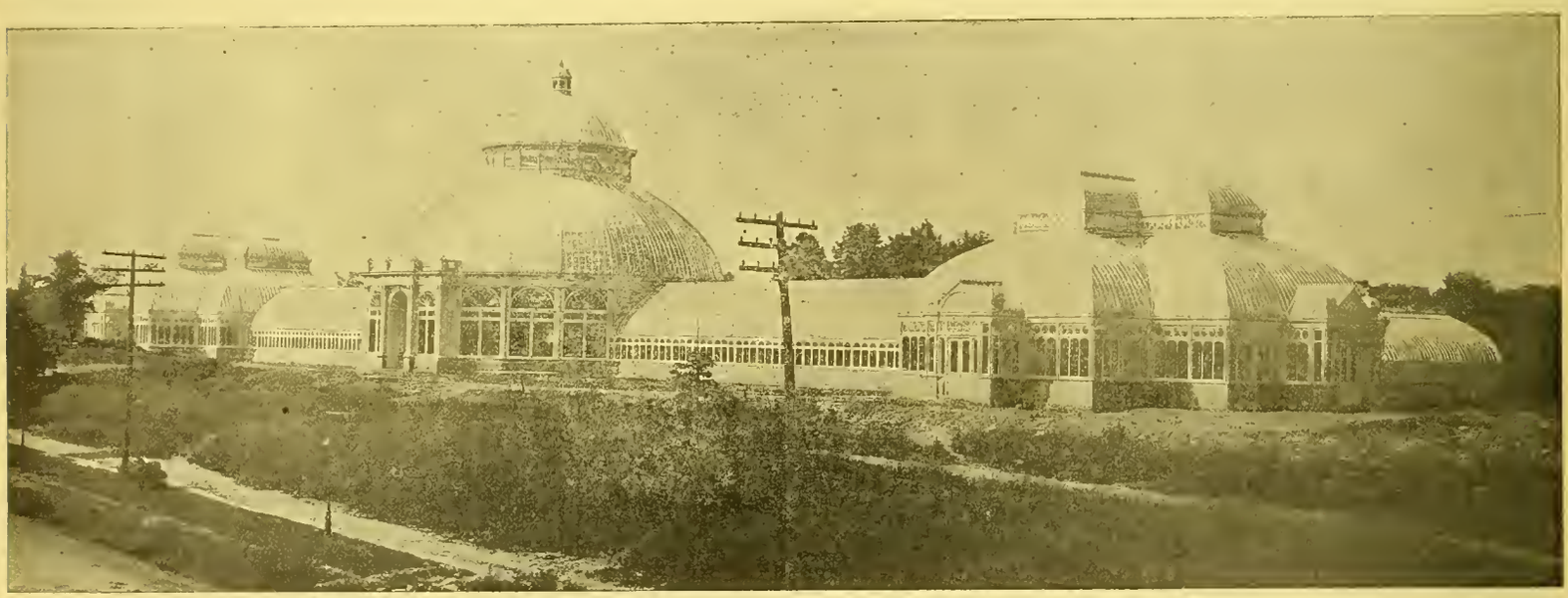
—It is always desirable to have the pipes in all of the houses on about the same level, but if the boiler and the supply pipes to the houses on the lower level are of ample size, there should be no difficulty in securing a fairly even circulation, if the flow pipes to the higher houses are no larger than are required to give the needed heat. When these pipes are larger than this the greater portion of the water will pass through them, and the circulation in the lower houses will be very sluggish at best. In the case under consideration the flow pipes in the different houses are arranged exactly the reverse of what they should be, and the first change recommended will be to use overhead flows in the lower houses, and underbench in those on the higher level. It will also be well to carefully adjust the size of the supply pipes to the amount of radiation they afford. Thus 2-inch pipe will feed about 150 feet of radiation in the coils; 2½-inch about 300 feet, and 3-inch about 600 square feet of radiation.—L. R. T.

About what amount will it cost to put in the hot water heater and piping for two houses shown on drawing? How should the pipes be arranged, and what size of pipe should I use? What do you consider the best heater?—F. J. P.

—The drawings accompanying the letter show two three-quarter span houses, one of them 12x50 feet and the other 14x40 feet, located respectively 4 and 40 feet from the boiler house. The narrow house is for palms and geraniums, and the other for carnations. For economical heating the boiler should be one rated for 800 to 900 feet of radiation, the price of which will vary all the way from $100 to $200. In the severe climate of Minnesota it will be best to use about 300 square feet of radiation in the 12-foot house and 200 feet in the other. The pipe and fittings will probably cost $150, and with the labor will bring the cost of a first-class heating plant up to $400. Nine lines of 2-inch pipe will be required in the palm house, of which three can be flows and the others returns. In the carnation house eight lines, of which two can be flows and the others returns, can be used. The mains leading to the houses can be 2½-inch, and if insulated with ordinary asbestos pipe covering, and run through 6-inch sewer pipe, there will be little loss of heat. Wrought-iron tubular boilers may be used, but cast-iron boilers, like the Hitchings and others advertised in the EXCHANGE, will be more durable.—L. R. T.

We have a 2,000 foot radiation sectional boiler, and two houses, 22x100 feet, with 2 to 3-inch flows and twelve returns. With temperature at 10 degrees above zero we are compelled to keep water at boiling point in order to have houses warm, which we think is too high for that temperature. What is wrong and what is the best way to remedy the trouble?—ELY BROS.

—The letter does not tell what temperature is desired in the houses, nor does it give the size of the returns. Although it does not say so, I infer that there are two 3-inch flows and twelve returns in each house. If there is no glass in the side walls two 3-inch flows and twelve 1½-inch flows should give a temperature of 50 degrees, when the weather is 10 degrees below zero; and if a temperature of 60 degrees is desired there should be twelve 2-inch returns in addition to two 3-inch flows. Rather than use the 3-inch flows for these houses it would be better to use three 2½-inch flows and seven-2inch returns if 50 degrees is desired, and the same number of flow pipes and ten 2-inch returns for 60 degrees. If the pipes are run down hill, and are well above the boiler, there should be no trouble about the circulation. This will give but about 1,600 feet of radiation, and the heater should carry it easily.—L. R. T.



New York Botanical Garden Conservatories, Bronx Park. Erected by Messrs. Hitchings & Co.

BRIEFS FOR BUSY FLORISTS.

GLOXINIAS.—As these plants begin to flower less moisture in the atmosphere is required, and the wetting down of benches and paths need not be done more than once a day. The glass of the house in which they are confined should have another coat of shading put on it if necessary, as the flowers will not last long if good protection from the hot sun be not afforded. When watering use the watercan if possible, then each plant will get what it needs, and no more; the leaves also can be kept dry, while if the hose pipe be used there is danger of keeping them over-soaked with water and cutting short their usefulness.

FUCHSIAS.—Stock plants of varieties intended for next year should be taken care of and given another potting if necessary. They may be placed outdoors if desired, and will do better there than in the greenhouse. Care should be taken, however, to have them sheltered sufficiently, so that the wind will not keep blowing them over and breaking the shoots.

ROSES.—When throwing out the old plants and preparing the house to replant with the fresh, young stock, take time to give the house a thorough cleaning. Have all the wood work gone over and the sides and bottoms of the benches given a good coat of whitewash, made with freshly slacked lime. Put it on thick and be sure to fill every crevice in the boards. It is a well-known fact that new houses always give the best results, and the reason of this is not far to seek—everything being new and clean there is not a last year's corp of bugs and snails hiding about the wood work, ready to pounce upon every green leaf as it appears. If we endeavor, during the time we have the house empty, to make it practically like a new one, by cleaning every part thoroughly, underneath the benches as well as overhead, the crops will be as easy to manage as they were the first year the house was built.

CARNATIONS UNDER GLASS are beginning to look rather weary, yet there are some benches that must be made to furnish flowers for some time yet. These should be gone over, and where the growth has been very rank, alternate plants should be taken out, and all worthless shoots pulled from the plants that are left. Liquid manure may be freely applied, and the glass should be lightly shaded.

ADIANTUM CUNEATUM, growing on benches, and from which it is expected to cut fronds next Winter, should be partially dried down and have a season of rest for a few weeks. When the plants have become dormant they can be lifted and divided if necessary, at which time new soil should be added. If the age of the plants is such that division is not required, then the old dead stalks should all be cleaned away and the surface of the soil loosened and removed. Some new, fresh soil should be added, making it quite firm when finishing. Very little water will be needed until the new fronds appear, therefore care will have to be exercised along this line as an over-supply would prove disastrous. Keep a sprinkling of air-slacked lime between the plants at all times, putting it on fresh whenever that put on previously has washed into the soil. Snails will never then be found meddling with the young fronds.

N. Y. Botanical Garden Conservatories.

Our illustration shows the New York Botanical Garden conservatories, erected by Hitchings & Co., in Bronx Park, New York City. Owing to the fact that there were trees and other obstructions directly in front of the conservatories, the photographer could not get a front view, consequently the range appears very much shorter than it really is. The total length is about 325 feet, the central house being 100 feet in diameter and 87 feet high. The two curvilinear wings are each 120 feet long by 30 feet wide, and the corner houses are 85 feet square, without the vestibules. This half tone is the first and only one made from a photograph of the structures as erected. All other published cuts have been reproduced from drawings.

Florist visitors to the city in August next will find much to admire in these noble structures, which reflect the greatest credit on the builders, from the superior workmanship displayed, and the substantial character of the buildings.

The Cultivation of Flowers, their Influence Upon Society and the Benefit to Gardeners.

Address delivered before Monmouth County Horticultural Society, at Oceanic, N. J., by Dr. W. S. Whitmore.

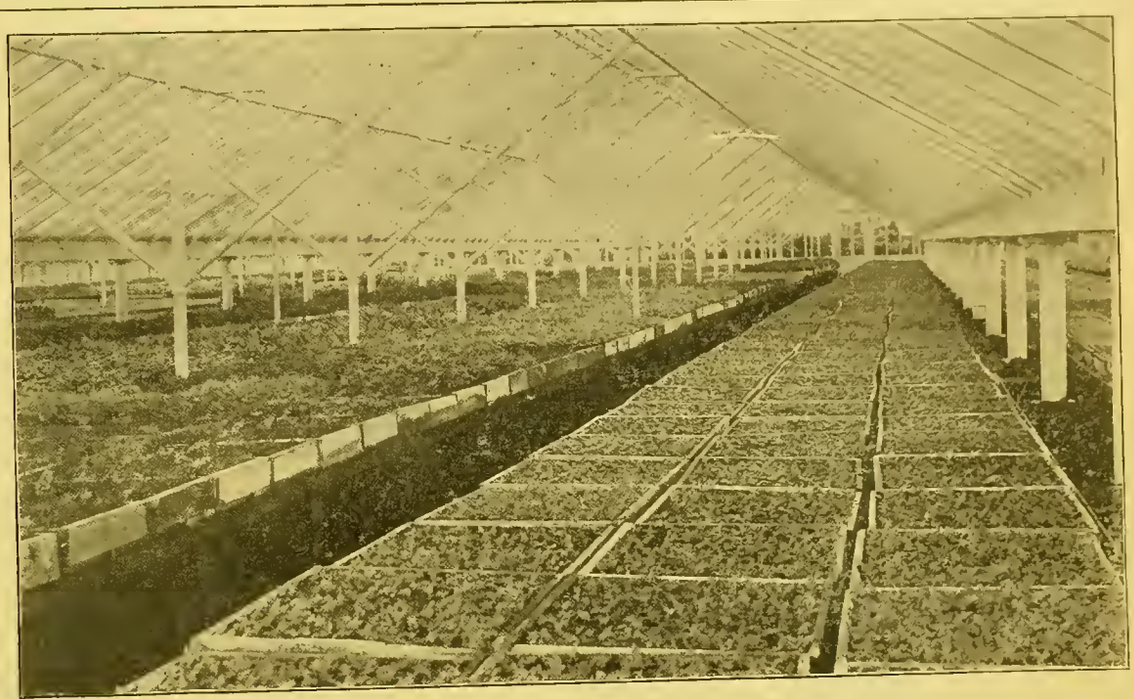
In presentiug my humble effort for your consideration I do not claim to have exhausted the subject. Could I write a volume there would still be things beyond me, and left unsaid. It is not within the province of man to embrace all the significance of my subject, and I merely touch upon the possibilities when I briefly present my sketch. It is a theme that has made man famous in poetry and song; has placed artists upon the highest pedestals of fame, and has brought joy and sunshine into myriads of lives and households, and will go on like the brook forever. The cultivation of flowers was among the first arts. When God created the Garden of Eden He became perforce the first gardener. He filled it with beautiful flowers that it might be both a delight and joy to our first parents.

Of their kind and character Biblical history gives us no knowledge, so we are obliged to turn to mythology for our information and description. It is said that the trailiug arbutus was the richest in beauty, foliage and fragrance of all the floral kingdom. It was styled the flower of Eden, by reason of its attributes, and was Eve's favorite. When desolation was visited upon the Garden, and Eve was banished therefrom, the little arbutus elected to go with her. The Lord in punishment robbed it of its beautiful foliage, but by reason of its attachmeat and loyalty to Eve, allowed it to retain its fragraace. Its companion was what we now known as the night blooming cereus, which was relegated to Adam, and was his favorite. The same condemnation was visited upoa it, and in addition to the loss of its beautiful foliage the Lord decreed that it should never raise its head or bloom in the suulight agaia; and so on through all the vocabulary each flower of Eden has its mythological history, and, though but fictioa, is suggestive of beautiful thoughts and associations.

In the cultivation of flowers, the elemeats, which are stored awny in the recesses of the seed, are brought into activity by man's ageacy, enabling the light to act upon them and delight the eye. They have the colors given them by nature. They are beauties of her majestic bounty. Man's genius, actiag through a perfect understanding of nature's laws, has afforded us the wonderful creations of the floral kingdom; the marvelous colors and combination that delight the eye and make the gardens and the homes veritable Heavens upon earth. Nature's best efforts ia the growing of flowers, all so cleverly improved upon by the artist gardener, that art caa be what it is, because the gardener is what he is.

Who can express the joy of coloring as produced by the gardener? The gleams in the brooklet, the shimmer in the sunbeams, the mellow softness in the morning mist, the flash of color in the song bird's throat, the depth of toae in the ivy leaf, the sheen of silver phosphorescence of the tropic seas, and the cold gray of the October morniag, these and every shade of color are knowa to the expert florist. They make harmony of color a life study and are truly learned in the crossing and the hybridizing of plaats and flowers. All lovers of uature are born for the loving of flowers, and only require the encouragement of the gardeaers' masterwork to develop their latent gift, and direct their work toward beautifying the home; improviag their knowledge and love of flowers and stimulating the effort of the gardener to aobler and greater productions. This innate talent intelligently directed and assisted by the true gardener is what will make them better fitted to disseminate this love of the beautiful aad cultivate it ia the comiag generations. The gardener is naturally eadowed to create and improve oa nature, and is therefore in a position to cultivate and instruct, and by this means are the mediums through which the improvement of man's love and ideas are ealarged, and the increased cultivation of flowers is encouraged, and new loves created. Thus the florist gardener is not only the instructor, but the creator of new loves and new ideas, and also new lovers of nature's sweetest creatioa—flowers! Thus I hold the professioa of gardener is one of the noblest that tames the intellect of maa. Rome had its Cæsar to whom all nations bowed and paid tribute to his power, yet in all his might and majesty he could not raise a single flower. England had her William the Conquerer and France her Napoleon, but with all their knowledge and power they could not propagate a single bud. America had her Washington, than whom the world has seen no greater General, yet he, like all the rest, was ignorant of what he loved the most, the cultivatioa of the flower. Go with me if you will into the church, where tapers burn and vestal choristers sing their hallelujahs to the first Gardener and Creator, the great Jehovah, and what is the first tribute we lay upon the holy shrine? Sweet flowers, emblematic of Christ's purity and love. Follow me to the festal weddiug, and what do we behold? The same tribute to this holy and sacred office—flowers. Go further with me, to the homes of the dead, who sleep their long sleep in their tents of green, and what do we see? The same loving tribute—flowers. And so on through all the phases of life; in joy or in sorrow, in darkness or in sunshine, the one great monitor that speaks, our love and our grief, our sadness or our pleasure, is the same sweet creation of the gardener's handiwork—flowers.

This love of the beautiful opens every day a wider and more useful field for the gardener. The flower is not a simple fad to be cultivated for a few days and then cast aside. They were on earth when the sons of morning sang together, they will gladden the eye until the resurrection. Thus the gardener is the happy instrument through which this love of flowers is perpetuated. Practical men are made poetic by the beauty which is about them, and this love for the flowers grows upon them and is transmitted to their children. Hence, societies are formed and the gardeners vie with each other to create new and beautiful ideas in the cultivation of flowers. Witness the constant rivalry for supremacy at the flower shows throughout our land. The struggle for prizes as a reward and recognition of their efforts. The cynic will say, "Of what use are they? What do they bring? What are they worth?" What is a ribbon worth to a soldier? High thoughts, bright dreams, the ambition to create and improve. It is the desire of every true gardener to succeed, and every success brings a betterment of his condition. It does not come without care and thought. Before anyone can be an artist in his art he must first be a workman at his trade, aad it is only by giving close attention to this diversified and comprehensive study, that these possibilities are acquired. Thus many men are florists, but the want of thoroughness in their early studies is always apparent. This thought should be an incentive to stimulate the gardener to renewed efforts for the mastery of his profession. Every great epoch in the history of the world brings with it a usefulness for flowers. Let me cite one example, the conflict between the North and florists? Hundreds and thousands of South. When the war was over in the South, where, under warmer skies and more poetic temperament, symbols and emblems are better understood than in the practical North, the mothers, widows and children of the Confederate dead went out to decorate the graves of the fallen. With what? Was it with gun and sabre, or implements of war? No. Was it with insignia of heraldry? No. With what then? With simple flowers, casting them unconsciously alike upon the unmarked resting places of the Federal and Confederate dead. Oh, what a revolution of feeling did this create in the hearts of the people of the North. It aroused feelings of amity and friendship. It allayed sectional animosity, and it gave birth to a general day of decoration. And what has been the benefit to gardeners are employed throughout the length and breadth of our land, engaged in the cultivation of these beautiful gems, that our honored dead may sleep beneath a wilderness of flowers. Flowers, sweet flowers, they will ever continue to play their part. Will bring joy to the sorrowful, happiness to the afflicted. They will gladden the heart of the bride, they will be sweet emblems of love to the departed; they are indigenous to all climes. On the summit of the snow-clad hills, greeting the first sun of the early morn, in the wild wood, where the foot of man has never trod. They are in all homes and places. There is not in the history of the world one other creation that bears the same relationship to all our moods, that expresses our thoughts, that conveys the echo of our hearts, that has the same influence upon society, that enriches, ennobles and cultivates the good within us, as this noble effort of the gardener's handiwork—flowers.



House of Seedling Ferns at H. A. Dreer's Nurseries, Riverton, N. J.

Ferns, etc., at Riverton, N. J.

The accompanying illustration shows one of three similar houses which contain in the aggregate more than half a million ferns, chiefly commercial kinds, grown in flats. June is a busy month for the fern grower, and when I paid my usual visit to the nursery of Henry A. Dreer (for it has become an extensive nursery as well as a plant emporium), I found a large number of men busily engaged in preparing a big section of frames for the reception of this popular plant now being placed in pots for Fall use. N. Bruckner, the successful grower, tells me that more than three-fourths of the varieties now grown are comparatively hardy and desirable for dishes. He enumerated a long list of desirable kinds, among which the aspidiums, pteris, lastræas, cyrtomiums and davallias rank foremost, with some kinds of adiantums, of which pubescens is the favorite. Many others, in addition to their suitability for filling dishes, are of ventilation fame, did not agree with valuable as specimens, making this a most interesting class and one that must be studied closely to insure the success attained here.

This is also the season to overhaul palms, and now that the Spring rush of business is over (and the genial superintendent, J. D. Eisele, whispered it was the busiest season he has experienced in almost a quarter of a century), all hands are potting up and repotting to enable the plants to make their Summer growth and become established for Fall shipping. Kentias and cocos are abundant, arecas and latanias not in such large volume. All look in prime condition. There were doubtless many other items of interest to be seen in the houses, but the day was very warm and the aquatic garden more inviting (although my friend John Evans, me—possibly from prejudice, as the aquatics at this season need no ventilators). I found Mr. Tricker examining a seedling nymphæa, which he hopes will surpass that exquisite variety, Wm. Falconer, for which the highest encominms have been received from the highest authorities in Europe as well as in America. And, by the way, shipments to Europe from Riverton have been heavy this season. In yellows there is nothing finer than Chromatella. I observed Victorias with leaves 3 feet across. Of course, they are protected at present, but by the Glorious Fourth they will appear in full view to the crowd of admirers who now annually visit this delightful garden.

On my way to the station I passed some lath or summer houses, beneath which were a fine lot of araucarias making their Summer growth. VISITOR.

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	Names and Varieties	New York June 29, 1900	Boston June 28 1900	Philadelphia June 28 1900	Baltimore June 21, 1900	Buffalo June 27, 1900
Roses	A. Beauty, fancy—special	10.00 to 20.00	12.50 to 20.00	.... to 25.00	.... to	20.00 to 25.00
	" extra	8.00 to 10.00	8.00 to 10.00	15.00 to 20.00	16.00 to 25.00	15.00 to 20.00
	" No. 1	3.00 to 5.00	4.00 to 6.00	8.00 to 15.00	8.00 to 12.0	4.00 to 10.00
	" Culls & ordinary	.50 to 3.00	1.00 to 3.00	3.00 to 8.00	3.00 to 6.00	.... to ....
	Bride, 'Maid, fancy—spc'l	3.00 to 6.00	6.00 to 8.00	2.00 to 6.00	.... to	2.00 to 5.00
	" extra	2.00 to 3.00	3.00 to 4.00	2.00 to 6.00	3.00 to 6.00	2.00 to 6.00
	" No. 1	1.00 to 2.00	2.00 to 3.00	.... to	3.00 to 5.00	.... to ....
	" No. 2	.50 to 1.00	.... to 1.00	.... to	.... to	.... to ....
	K. A. Victoria	3.00 to 5.00	2.00 to 6.00	2.00 to 6.00	3.00 to 5.00	2.00 to 7.00
	La France	.... to	.... to	.... to	3.00 to 5.00	.... to ....
	Meteor	1.00 to 3.00	1.00 to 6.00	2.00 to 6.00	2.00 to 5.00	2.00 to 5.00
	Papa Gontier	.... to	.... to	.... to	.... to	.... to ....
	Perle	1.00 to 2.00	1.00 to 4.00	2.00 to 4.00	2.00 to 3.00	1.00 to 3.00
	Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
	ORCHIDS—Cattleyas	30.00 to 35.00	.... to	.... to 50.00	.... to	.... to ....
	Cypripediums	.... to	.... to	.... to	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	.50 to .75	.20 to .40	.50 to .75	.50 to .60	.50 to .75
	Standard Varieties: White	.50 to .75	.... to .50	.75 to 1.00	.75 to 1.00	1.00 to 1.50
	Standard Varieties: Pink	.50 to .75	.... to .50	.75 to 1.00	.75 to 1.00	1.00 to 1.50
	Standard Varieties: Red	.50 to .75	.... to .50	.75 to 1.00	.75 to 1.00	1.00 to 1.50
	Standard Varieties: Yel.&Var	.50 to .75	.... to .50	.75 to 1.00	.75 to 1.00	.... to ....
	*Fancy—(*The highest grades of standard var) White	1.00 to 1.25	.75 to 1.00	1.00 to 1.50	1.25 to 2.00	2.00 to 2.50
	*Fancy—(*The highest grades of standard var) Pink	1.00 to 1.25	.75 to 1.00	1.00 to 1.50	1.25 to 2.00	2.00 to 2.50
	*Fancy—(*The highest grades of standard var) Red	1.00 to 1.25	.75 to 1.00	1.00 to 1.50	1.25 to 2.00	2.00 to 2.50
	*Fancy—(*The highest grades of standard var) Yel.&Var	1.00 to 1.25	.75 to 1.00	1.00 to 1.50	1.25 to 2.00	.... to ....
	Novelties	1.00 to 1.25	1.25 to 1.50	.... to 2.00	.... to	.... to ....
	Adiantum	.50 to .60	.... to .50	.75 to 1.00	.... to 1.00	.75 to 1.00
	Asparagus	35.00 to 50.00	.... to 50.00	35.00 to 50.00	25.00 to 60.00	50.00 to 60.00
	Callas	4.00 to 6.00	4.00 to 6.00	.... to	.... to 6.00	6.00 to 10.00
	Daisies	.25 to .50	.... to	.... to	.... to	.... to ....
	Gladiolus	6.00 to 8.00	6.00 to 8.00	.... to	.... to	.... to ....
	Hyacinths	.... to	.... to	.... to	.... to	.... to ....
	Iris	1.00 to 4.00	.... to	.... to	.... to	.... to ....
	Lilies	2.00 to 3.00	4.00 to 6.00	.... to	.... to	6.00 to 10.00
	Lily of the Valley	1.00 to 2.00	2.00 to 4.00	2.00 to 4.00	.... to	3.00 to 4.00
	Mignonette—ordinary	.25 to 1.00	.... to 1.00	.... to	.... to	.... to ....
	" fancy	.... to	.... to	.... to	.... to 4.00	.... to ....
	Peonies	1.00 to 4.00	1.00 to 3.00	.... to	.... to	.... to ....
	Smilax	10.00 to 12.00	12.50 to 15.00	10.00 to 20.00	12.00 to 25.00	10.00 to 15.00
	Sweet Peas	.10 to .25	.20 to .25	.20 to .40	.20 to .35	.40 to .60
	Tuberoses	.... to	.... to	.... to	.... to	.... to ....

For Prices of Fancy and Special Stock see our Correspondence Columns.
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In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work.
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...Wholesale Prices of Cut Flowers...

	Names and Varieties	Chicago June 27,'00	St. Louis June 25,'00	Cincinnati June 26,'00	Milwaukee June 26,'00	Pittsburg June 27,'00	Toronto June 28,'00
Roses	A. Beauty, fancy—special	20.00—25.00	....—	....—	20.00—25.00	20.00—25.00	....—25.00
	" extra	18.00—20.00	....—	....—	15.00—18.00	12.00—15.00	....— ....
	" No. 1	8.00—10.00	....—	....—	10.00—12.50	8.00—10.00	....—10.00
	" Culls & ordinary	2.00— 5.00	....—	....—	4.00— 6.00	3.00— 5.00	....— ....
	Bride,'Maid, fancy-spec'l	4.00— 8.00	3.00— 5.00	3.00— 4.00	4.00— 6.00	....—	....— ....
	" extra	....—	3.00— 5.00	3.00— 4.00	4.00— 6.00	2.00— 3.00	1.00— 6.00
	" No. 1	2.00— 3.00	....—	....—	....—	2.00— 3.00	1.00— 6.00
	" No. 2	.75— 1.00	....—	....—	....—	2.00— 4.00	....— ....
	K. A. Victoria	3.00— 5.00	3.00— 5.00	....—	4.00— 8.00	2.00— 8.00	....— ....
	La France	2.00— 4.00	....—	....—	....—	3.00— 5.00	....— ....
	Meteor	4.00— 7.00	3.00— 8.00	2.00— 4.00	4.00— 8.00	2.00— 8.00	1.00— 6.00
	Papa Gontier	....—	....—	....—	....—	....—	....— ....
	Perle	2.00— 4.00	2.00— 3.00	....— 3.00	4.00— 6.00	2.00— 6.00	1.00— 4.00
	Souv. de Wootton	....—	....—	....—	....—	....—	1.00— 8.00
	ORCHIDS—Cattleyas	....—	....—	....—	....—	....—	....—25.00
	Cypripediums	....—	....—	....—	....—	....—	....— ....
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	1st'r grades, all colors	.40— .50	....— .75	....— .50	1.00— 1.50	.50— .75	....— .50
	Standard Varieties: White	.60— .75	1.00— 1.50	1.00— 1.50	1.00— 1.50	.50— 1.00	.50— 1.00
	Standard Varieties: Pink	.75— 1.00	1.00— 1.50	1.00— 1.50	1.00— 1.50	.50— 1.00	.50— 1.00
	Standard Varieties: Red	.75— 1.00	1.00— 1.50	....— 1.00	1.00— 1.50	.50— 1.00	.50— 1.00
	Standard Varieties: Yel.&Var.	.75— 1.00	1.00— 1.50	....—	1.00— 1.50	.50— 1.00	.50— 1.00
	*Fancy— White	1.00— 1.50	2.00— 2.50	....— 1.50	....—	1.25— 1.50	....— 2.00
	(*The highest grades of standard var) Pink	1.00— 2.00	2.00— 2.50	....— 1.50	2.00— 3.00	1.25— 1.50	....— 2.00
	(*The highest grades of standard var) Red	1.00— 2.00	2.00— 2.50	....— 1.50	....—	1.25— 1.50	....— 2.00
	(*The highest grades of standard var) Yel.&Var.	1.00— 2.00	2.00— 2.50	....—	....—	1.25— 1.50	....— 2.00
	Novelties	....—	....—	....—	....—	....—	....— 2.00
	Adiantum	.50— .75	....— 1.00	....— 1.00	....— 1.00	.75— 1.00	....— .75
	Asparagus	40.00—50.00	15.00—50.00	....—	....—	35.00—75.00	30.00—50.00
	Callas	8.00—10.00	....—	....—	....—	....—	....— ....
	Daisies	.15— .25	....—	....—	....— .50	.25— 1.00	.15— 1.00
	Gladiolus	4.00— 6.00	....—	....—	....— 6.00	2.00— 6.00	....— 2.00
	Iris	....—	....—	....—	....—	....—	....— ....
	Lilies	8.00—10.00	....—	....—	....—	8.00—10.00	....— ....
	Lily of the Valley	3.00— 4.00	....—	....— 4.00	....— 4.00	2.00— 4.00	....— ....
	Mignonette—ordinary	....—	....—	....—	....—	....—	....— ....
	" fancy	....—	....—	....—	....—	....—	....— ....
	Peonies	2.00— 4.00	....—	3.00— 4.00	....—	....—	2.00— 4.00
	Smilax	10.00—12.00	12.50—15.00	....—15.00	....—18.00	12.50—15.00	....— ....
	Sweet Peas	.20— .40	.15— .25	....— .25	.35— .50	.35— .75	.25— .75
	Tuberoses	....—	4.00— 5.00	....— 6.00	....—	....—	....— ....

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A Good assortment of **Hardy Plants** in Spring and Fall, such as Coreopsis, Veronica, Iris, Funkia, Lemon Lily, Aster, Phlox, Helenium A. Superbum, Lychnis, Larkspur, Digitalis, Actinrhinum, Myosotis, Mist and other hardy stock. Cash with order, please.
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PRIMROSES July 1st, Chinese, Forbesi, Obconica, Grandiflora and Roses, $2 00 per 100.
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Boston.

The Market.

Graduation and commencement exercises occasioned a little stir in business the past week. Flowers continue in heavy supply, and though the demand is a little better than it has been, yet large quantities are left daily. Outdoor roses are very plentiful, being popular for such business as is going, and clean up pretty well. American Beauty are still in good supply, but are losing color somewhat; still, some of very good quality are obtainable, and when called for fetch $2.50 a dozen; but when the dealer wants to dispose of them badly lower prices prevail. Bride and Bridesmaid are getting very poor in quality, and move slowly at low prices. Carnations continue in pretty good supply, at usual prices, but meet with little demand.

Jottings.

George A. Sutherland entertained a party of six or eight friends to a sail on his steam launch down the harbor last Saturday. The warships, which were then in the harbor, were visited, and altogether a pleasant afternoon was spent.

Edward Hatch entertained the Old Guard at his handsome estate at Wenham on Tuesday of this week. Although only about one-half reported at roll-call, yet the pleasure and jollity made up for the lack in numbers.

Wm. J. Stewart and his party of New York and Philadelphia friends returned from a fishing trip to Rangeley Lakes, Wednesday. Either they had a very good catch, or ran across a fisherman with a handsome lot of fish to sell, judging by the manner in which they distributed their prizes in the city on Wednesday. It can easily be imagined how the fish bit, when it is known that a bold one made away with a line, pole, hook and all, which the luckless fisherman never saw again.

Sarah, daughter of William J. Stewart, was married on Wednesday, June 27, to Mr. Albert S. Dunwell, at Winchester. The best wishes of Mr. Stewart's many friends go with the happy couple.

Lawrence Cotter is getting some exceptionally fine Brunner for this season of the year, from frames.

Welch Bros. are receiving some good pond lilies now, for which they find a very fair demand.

It is hoped a large attendance will be present at the Webster Bowling Alleys, 22 Warren street, Roxbury, on Monday evening, as very little time remains to select a team before the convention. Scores of Monday, June 25, games are to be found under "Bowling" in another column.

Rose and Strawberry Show.

The annual Rose and Strawberry Exhibition of the Massachusetts Horticultural Society, held on Friday and Saturday last, was very fine. The various displays were large, and the flowers and fruits shown of a very high standard. As usual, M. H. Walsh, of Woods Holl, was the largest exhibitor of roses, but this year he did not have the field all to himself, as has been the case in some former years. Nevertheless Mr. Walsh captured the lion's share of the prizes. Among the other exhibitors of roses were Dr. C. G. Weld, Mrs. O. S. Paige, Miss E. J. Clarke, Mrs. J. L. Gardner, W. J. Clemson, Mrs. E. A. Wilkie, Francis Blake, E. C. Lewis and Mrs. E. M. Gill. Mr. Walsh's collection included a great variety of roses, and, his seedling J. S. Fay again showed up very well. Miss E. J. Clarke's Jacqueminot were very fine, and the moss roses sent in by Mrs. J. L. Gardner were also of a high standard.

Jackson Dawson exhibited 11 hybrid seedlings of various colors, for one of which, "Lady Dunham," he received a silver medal. W. A. Manda, South Orange, N. J., staged Pink Pearl, a hybrid between Rosa Wichuraiana and Meteor, for which a first-class certificate of merit was awarded; also Improved Pink Roamer (Jersey Beauty × Bardon Job). William H. Spooner showed a semi-double Japanese rugosa, Mrs. Georges Bruant, Lord Penzance's hybrid sweet briars and some old sweet briars, which proved to be an interesting display. Mrs. E. M. Gill exhibited a prettily arranged basket of roses.

Very fine groups of decorative plants were sent in by J. S. Bailey, Mrs. J. L. Gardner and E. S. Converse, who captured the three prizes in the order named.

Some excellent orchid plants were also shown. J. E. Rothwell made a fine exhibit and took the prizes for six varieties in bloom, three varieties in bloom, and both first and second for single specimen plants, his handsome Lælia purpurata, with 34 flowers, capturing first, and a fine piece of Cattleya Mendellii, bearing 26 blooms, second. Mrs. J. L. Gardner showed a nice collection of orchids, and W. A. Manda a hybrid orchid (Cattleya gigas × Lælia tenebrosa). E. S. Converse had a few tuberons begonias, which captured first prize in that class.

In the lower hall some large and interesting displays of native plants were made by Rea Bros., Blue Hill Nursery, and Carl Blomberg. Rea Bros. and W. J. Clemson made nice displays of Spanish irls. Sweet williams were very extensively shown by W. J. Clemson, Anthony McLaren, Mrs. J. L. Gardner, E. C. Lewis, Blue Hill Nursery and Wm. C. Winter. W. E. Coburn made a fine showing of foxgloves, sweet williams, lilies, coreopsis, etc.

The strawberries exhibited were very fine, the season being well suited to them, and the show coming just at the right time. In the competition for prizes under the Theodore Lyman Fund, W. Heustis & Son got first, Sumner Coolidge, second; W. Heustis & Son, third, and G. V. Fletcher, fourth. The variety Marshall captured all but third, where Messrs. Heustis, after getting first on Marshall, won the place with Bubach. Again, in the special prizes, offered by the society, for any variety best adapted for garden cultivation for home use, Marshall won first and second for J. E. Coburn and W. Heustis & Son. Messrs. Heustis got third with Nick Ohmer, and George McWilliam fourth for a seedling. F. J. N.

Wm. C. Stickel has purchased a farm in East Lexington, on which he will erect a residence, using the greater portion of the land in connection with his florist business at North Cambridge.

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St. Louis.

Trade News.

Summer dullness seems to have settled in. Everything is very quiet in all branches of the trade. In some ways this is a good thing, for as one retailer remarked, "We could not do any business for want of stock to do it with, if there was anything to be done." A few funeral orders comprise the bulk of the trade. Roses have been very scarce and bring 3c. to 6c. Carnations are in fair supply, at 1c. to 1½c.; sweet peas plentiful and cheap as low as $1.50 per 1,000 in large lots.

Notes.

Henry Ostertag has returned from Elkins, W. Va., and is very enthusastic over the success of his mission, the kindly treatment he received in New York and the splendid stock he was able to procure there. He reports the big undertaking went off very smoothly, and, owing to very favorable weather, it being wet and cool, everything kept well. Mr. Ostertag is enraptured over the flora of that part of the country. The rhododendrons and mountain laurel then being at their best he used great quantities of these in his work to good advantage.

Professor Wm. Trelease, of Missouri Botanical Garden, is in New York on a 10 days' visit.

H. G. Berning left recently on a Western trip in the interest of his firm.

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1000 3 " "	5.00	48 10 " "	4.80
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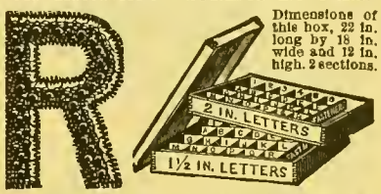

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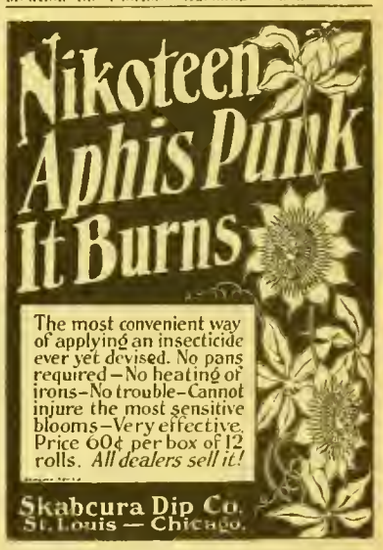

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Trade Notes.

The story can now be told of what may be called the close of the florists' harvest, counting, say, from Thanksgiving of last year through to the end of June; and, tersely, may be set down, for this city at least, as a good one. More flowers than ever before have been grown and sent into this market and sold, on the whole, at steadier prices, with gluts of shorter duration.

The past week has been an extremely active one, roses being decidedly below the demand; but to make up, the quantities of choice pæonies sold was very great—a large stock of a red, supposed to be Lord Rothschild, being a notable feature. Last year our estimate of sales of pæony flowers was a quarter of a million. It will go 100,000 better this year, quite a stock yet being in cold storage. The handling of pæonies in this city has got down to a fine point. They are put up in bunches of a dozen blooms, cut just before expanding, closely wrapped with paper and brought from the cool room as fast as sales warrant—may be a dozen times a day. This means, for the very prime, white, pink and yellow, 50c. to 75c. per dozen; others from 20c. to 40c., while those sent in with exposed open flowers go at from 10c. to 15c.—the latter exactly suits the street man.

June brings us no outside roses worthy of mention, hence house-grown stock has the field.

The favorable Winter has increased the quantity, quality and variety of hardy herbaceous flowers. Among those seen the past week were Achillea (the Pearl), columbines, lots of fine Canterbury bells, Coreopsis lanceolata, delphiniums, Gypsophila paniculata, single early sunflower, candytuft, iris and lychnis of sorts, silene, centaureas, Lilium candidum, ox-eye daisies, garden pinks, clematis, feverfew, pansies and mock orange.

It has been a great week for hardy ferns, tens of thousands being sold daily by all the wholesalers. When this is the case business is brisk all along the line.

Round About.

Walter Retzer & Co. have purchased a tract of 45 acres of land between Bowmansville and Niles Center, with a view to branching out extensively hereafter. They are getting the old Fuchs' place in fine condition, having added a long pit for bringing on their kentias. A fine new delivery wagon is another of the good things showing progress. They have imported a lot of standard roses and clematis, which are now all planted out and doing finely.

Fred Hills, of Maywood, has his new house, 27½x130 feet, far enough advanced to be planted to chrysanthemums—about 5,000 plants. W. H. Chadwick is to be grown quite largely. Mr. Hills was very successful with sweet peas the past Winter and Spring.

W. N. Rudd and a party of congenial spirits spent last week fishing in the vicinity of Glen Haven, Mich.

Peter Reinberg and others are cutting a few Liberty roses, as a foretaste of what is to come.

The McClave candidum lilies, from Benton Harbor, Mich., began to arrive on the market on Saturday. They are put up in bunches of 100, and sell for $3. He expects to market about 10,000. The flowers are in good shape.

Nick Wietor is suffering from poisoned thumbs and fingers, through handling roses—the more roses the more thorns. It is supposed, however, the trouble occurred through a bad condition of the system.

Fritz Bahr, of Highland Park, was in the city Saturday and reports a fine Spring business.

J. Austin Shaw left on Monday for Bloomington, thence working toward St. Paul.

James Hartshorne and George Stollery left on the Ivernia, from Boston, for the other side, June 30.

Summer outings of the club are again all the talk. A boat ride to Milwaukee, a big tally-ho coaching party to some point and the deferred trip to Elgin, are all spoken of.

In my notes of the last meeting of the club, when speaking of coal used at Terre Haute, I should have said one of the Hunt Bros., and not Miller.

There are as yet no signs of the early closing movement for the Summer.

Visitors: G. W. Weatherby, Chillicothe, Mo.; D. W. Woods, Los Angeles, Cal.; Fred Gear, Cincinnati, O.; H. W. Kœrner, Milwaukee, and O. Speidel, Oconomowoc, Wis.; George Blackman and J. D. Carmody, Evansville, Ind. Ees.

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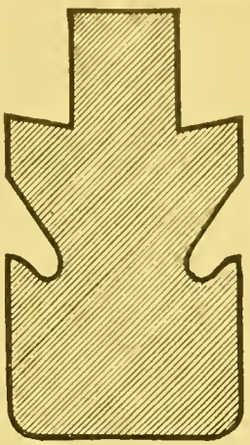

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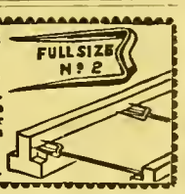

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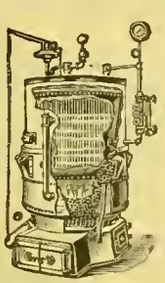

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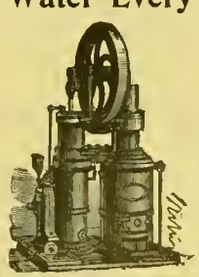



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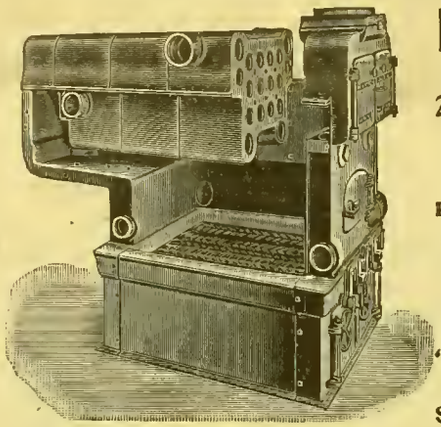

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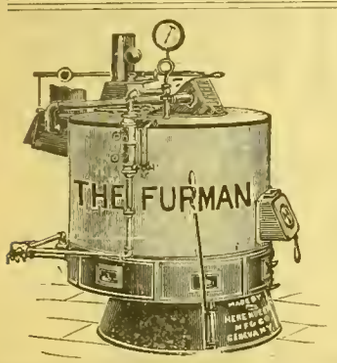

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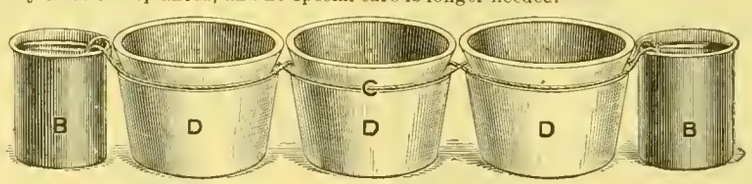

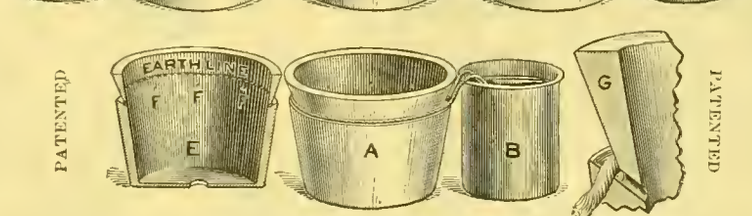

Description of Pot, Showing Method of Supplying Water:

A, indicates the pot; B, a reservoir for water; C, a cord, preferably of wool or yarn, connecting said reservoir and pot, through or over which the water is siphoned by capillary attraction or force from the reservoir B, to the pot A. D D.D. is a series of pots with reservoir at both ends, showing siphon cords in position. E, section of pot through its vertical axis, showing earth line and perforations or water passages below. Encircling the pot about 1½ inches below the top is a peripheral angular groove leading downward, out of which, at its lowest point or angle, are the water passages or ducts, F.F.F. G, full size section, showing groove, with cord siphon.

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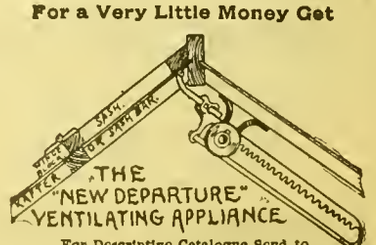

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Acalypha, Musaica and Marginata, 2¼ in. pots, $4.00 per 100.

Ageratum, White Cap and Blue, 2¼ inch pots, $2.50 per 100.

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Asparagus Sprengeri, 2¼ inch pots, extra heavy, $4.00 per 100; 3½ in. pots, extra heavy, $8.00 per 100; 8 in. pots, large plants, $1.00 to $2.00 each.

Banana, Abyssinian (Musa Ensete), strong plants, 6 in. pots, 3 ft. high, 50c. each; extra large specimens in tubs, 4 to 6 ft. high, $3.00 to $5.00 each.

Bay Trees, Standards and Pyramids, 3 ft. in diameter, $10.00 each.

Begonia Rex, 2¼ in. pots, an elegant variety, strong plants, $4.00 per 100.
Bijou (Scarlet Vernon) $3.00 per 100.

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Cannas, assorted kinds, strong plants from 4 in. pots, $6.00 per 100.

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Cobæa Scandens, 2¼ in. pots, $4.00 per 100.

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Dahlias, assorted kinds, $6.00 per 100.

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Fuchsias, finest named sorts, 2¼ in. pots, $3.00 per 100.

Geraniums, assorted kinds, 3½ in. pots, $6.00 per 100.

Heliotrope, fine plants, from 3½ in. pots, $6.00 per 100.

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Ivy, German, strong plants from 2¼ in. pots, $2.50 per 100; English, strong plants, from 3½ in. pots, with good tops, $2.00 per 100.

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The finest large-flowering dwarf varieties, very showy, in choicest mixture, 1000 seeds, 50 cts.

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¼ to ⅜ inch diameter.....$0 75 per 1000
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The smaller bulbs will prove as satisfactory as the larger if planted early. Bulbs ready for immediate delivery

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FRESH ON HAND.

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Phœnix Teenuis	$0.75	$5.00	$13.50
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Danish Cauliflower Seed

Early Dwarf Danish Snowstorm, selected up and grown by the leading specialist of Denmark.
Always uniform; fine large white heads, early. No better seed offered at any price.
One Quality Only. The Best.
$2.50 Per Ounce. Per Ounce, $2.50.

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Of all BULBS and PLANTS required next Fall and receive SPECIAL LOW QUOTATIONS from

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$2.50 per 1000.

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SEED CASES and DRAWERS.
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CINERARIA—CALCEOLARIA—PANSY

Cineraria, James's Giant Strain, the finest strain offered; per pkt, 35c.; ½ trade pkt, 60c; trade pkt, $1.00. **Calceolaria, James's Giant Strain,** unsurpassed; half trade pkt., 30c; trade pkt., 60c. **Pansy, Johnson & Stokes' Kingly Strain,** comprises all the giant sorts of merit, per pkt., 25c.; ½ trade pkt, 30c; trade pkt. 50c.; oz., $5.00.

ASPARAGUS SPRENGERI, 100 seeds, 50c.; per 1000 seeds, $4.00.

Write for quotations on Early Forcing Bulbs.

JOHNSON & STOKES, Seedsmen, 217 & 219 Market St., PHILA., PA.

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SEED TRADE REPORT

Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Cincinnati, O., President; F. W. BOLGIANO, First Vice-President; S. G. COURTEEN, Milwaukee, Wis., Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

New York.—The seed business is about over for this season. Trade has been very satisfactory. In some of the city seed stores a marked increase has been noted in the retail trade. Pole and some other varieties of beans have been in rather short supply, as also were some kinds of peas and early cabbage seed.

Des Moines Ia.—The Iowa Seed Company has secured ground in a new location, and will erect a three-story and basement seed warehouse, 66x132 feet. The new building, when completed, will give employment to 100 hands and enable the company to fill all orders promptly. The main offices and the retail business of the Iowa Seed Company will remain at their present quarters, on Locust street, where they will be all the better prepared to take care of their large and constantly-increasing city trade. Many improvements and a considerable outlay of money will be made also on their extensive greenhouses and other property.

Long Island Crops.—What the harvest will be now depends upon atmospheric conditions, which are unknown, ungovernable quantities. When the cabbage, kale and turnips were coming into flower the conditions were absolutely perfect, the weather was cool and dry. Then nothing was more dreaded than rain, which, if long continued, destroys the pollen, rendering fertilization impossible, consequently a failure of crop. Now, there is nothing so much needed as rain. In some sections where the soil is light the crop is beginning to suffer, and it will continue to do so unless we have copious showers at once. With such the acreage set, unfortunately small, will be the most productive ever known. Without rain, in some soils, the crop will mature, the seed will be small but of excellent quality.

Beans are already suffering badly; they are, in many fields just coming into blossom, while the plants are not more than half size. A generous rain would be timely, as it would save the crop.

Kale could not now be benefited, it being nearly ready for the harvest, and on light soils the crop will fall much below our anticipations.

Turnips have completed their work, and will be harvested this week. The same is true with Brussels sprouts; the crop will be heavier than usual and exceptionally fine.

Dill is in a bad way. Insect enemies devoured most of the plants; the remainder are weak from the loss of their juices! In addition to that the present dry weather is exhaustive. Two weeks more and the harvests will be over with the brassicas, and the tale will then be told.

CALIFORNIAN SEEDS

Contract Prices for 1900 Harvest on Application.

WHOLESALE ONLY.

PERRY WATSON & CO., Sacramento, Cal.

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Best Quality at Lowest Rates.

ROMAN HYACINTHS, NARCISSI, FREESIA,

and other French Bulbs for forcing.

BERNARD SON, 29 Boulevard du Musée Marseille, France.

Bulb Grower and Exporter.

Established 1872. Bulbfields-Hyères, Ollioules.

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FRESH SMILAX SEED

$2.50 per lb; 25 cts. per oz.

Send for Trade List.

Mrs. Theodosia B. Shepherd, Ventura, Cal.

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ROEMER'S SUPERB PRIZE PANSIES

The finest strain of Pansies in the World.

Introducer and Grower of all the leading Novelties

Highest Award, International Exhibition, Hamburg, 1897. Catalogue free on application.

FRED. ROEMER, Seed Grower, QUEDLINBURG, GERMANY.

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R. VAN DER SCHOOT & SON,

Wholesale Bulb Growers,

HILLEGOM, - - HOLLAND.

Our bulb stocks, now covering an area of over 150 acres, are by far the largest in Holland.

Established 1830.

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European Notes.

A hot, dry wave has spread itself over the whole of Europe, and in general the effect must be beneficial. There are some few exceptions, particularly Swedes and turnips, that are always benefited by a "dripping June," but onion, carrot, endive and lettuce fairly revel in the sunshine, and just now they have their fill. If our mangel and beet plants had been stronger we should have been equally satisfied on their account; as it is, the acreage is small and the crop will be also meagre.

Beans, both dwarf and pole varieties, are doing grandly. The broad beans, like the peas, sadly need a good rain. Celery will also be short this year. So far as the common varieties are concerned this will not matter very much, but the fancy varieties so highly esteemed in America were almost cleared out last season, and the crops are bound to be insufficient.

Up to date we have had the pleasure of visits from Messrs. Lem W. Bowen, of Detroit; J. B. Agnew, of Agnew, Cal., and W. H. Maule, of Philadelphia. We hope to see many more.

EUROPEAN SEEDS.

Origin of Greenhouses.

Mr. Wm. Watson, of Kew, says that the first greenhouse erected in England, was in the Apothecaries Garden, at Chelsea, in 1684. It merely had glass sides, and was heated by a kind of oven. In 1717, a glass-roofed house was built by the Duke of Rutland, at Belvoir Castle, for foreign grapes, heated by furnaces placed under the floor of the house. Steam was first used in 1788; and hot water, soon afterwards, was applied to a small house in the Jardin des Plantes, at Paris.—Meehan,s Monthly.

Exhibitions.

POUGHKEEPSIE, N. Y.—The premium list for the sixth annual exhibition of the Dutchess County Horticultural Society, to be held November 6, 7 and 8, next, has been issued. Copies of the schedule can be obtained from the secretary, W. G. Gomersall, Fishkill-on-Hudson, N. Y.

POTTED STRAWBERRY PLANTS IN 2 INCH POTS.

Ready July 20th. Send for Prices and List.

ROSES, CLEMATIS PANICULATA, HONEYSUCKLES and AMPELOPSIS, in 4 inch pots.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Mention the Florists' Exchange when writing

Greenhouse Heating Apparatus.

This is the title of a neatly printed and well illustrated catalogue issued by Giblin & Co., of Utica, N. Y. Much information regarding the firm's standard sectional boilers is furnished, besides some very serviceable hints to florists on heating and piping matters generally. A long list of testimonials from florist users of these boilers shows their popularity.

The S. A. F. Meeting Place for 1901.

The silver-tongued Scott and the persuasive Taylor, backed by all the weight of the Pan-American Exposition, having organized a crusade to secure the convention for Buffalo next year, it seems necessary that a few words be said on behalf of Chicago lest the matter be settled in favor of the fellows with the big guns and the smokeless powder before we have had our day in court.

We wish to assure those interested that Chicago is still in the race, and will be in at the finish, and to ask the mutual friends of the two contestants to make their decision *at the convention* after both sides have had a hearing.

W. N. RUDD.

Cleveland.

Trade Notes.

The past month has been an unusually good one in flower lines, and trade at the present time is reported to be quite brisk for this time of the season, with the usual Summer dull period just at hand. Weddings and commencement exercises are over, and work in these lines is at a standstill. Flowers are in good supply, and although the demand for stock is much less than it has been for the past several weeks, growers and wholesalers report a fairly good trade for the present week. Present rates on roses are $2 to $5 per 100. Carnations move slowly at $1 to $1.50 per 100. Lillum candidum are still on hand in considerable quantity, but the stock now offered is all from storage, and the prevailing rate for best spikes is $5 per 100. Sweet peas are quite plentiful, and the best rate realized by the growers is $1 per 1000; much of the present offerings does not bring that figure. There is an abundance of outdoor flowers brought in, and there is no market on this class of stock; growers take whatever price is offered, there being no fixed value on such stock as cornflowers, coreopsis, gaillardia, iris, etc. A few gladiolus are offered, but there is as yet no established price on them.

Retail trade is but fair and prices are as follows: Roses, $1 to $1.50 per dozen; carnations, 25c. to 50c. per dozen; candidum lilies, $1 to $1.50 per dozen.

Weather conditions at this writing are very trying. We are suffering from a drought of several weeks duration with prospects for rain are not very bright, and unless a change comes before long the dry weather will create incalculable damage to all growing crops. The temperature for the past several days has been hovering pretty close to the ninety mark.

Notes.

It is expected by many of the downtown storekeepers that the six o'clock closing movement will be started in the near future, and as near as the writer can learn all that is necessary is for someone to take the initiative in this direction; the majority express a willingness to enter an arrangement of this kind if once started.

S. N. Pentecost, one of our most popular growers, and Miss Emma H. Davis, of Youngsville, Pa., were married at noon on Wednesday, 3d inst., at the home of the bride. Mr. and Mrs. Pentecost sail on 7th inst., via Dominion Line from Montreal, going to England, Holland and France. They will spend several weeks at the Paris Exposition, and upon their return will take up their residence in Lamont street, this city. The best wishes of the craft go with the happy couple.

G. A. T.

CELERY PLANTS In five leading varieties, strong, stocky plants, ready to plant out, at $2.00 per 1000; $15.00 per 10,000.

FLAT DUTCH CABBAGE $1.00 per 1000; $8.00 per 10,000.

GUSTAV PITZONKA, - Bristol, Pa.

Mention the Florists' Exchange when writing.

60,000 DAHLIAS

For Fall Delivery.

All the best and newer varieties. Stock first-class. Prices right.

A. B. DAVIS & SON, Purcellville, Va.

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ZIRNGIEBEL

GIANT MARKET and FANCY PANSIES are the Leading Strains to date for size and color.

Trade packages of either strain at one dollar each. Full directions with every order; new crop of seed after July 1st.

DENYS ZIRNGIEBEL, Needham, Mass.

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PANSY Giant Trimardeau, fine mixed, trade pkt., 25c.; oz., $2.00; lb., $20. Giant, fine mixed, oz., $4.00; Giant Yellow, oz., $2.50. Mme Perret, the finest giant pansy in the market, trade pkt., 25c.; oz., $4.00. Mlle. Cecile Davy, the purest white, trade pkt., 25c.; oz., $4.00. Giant Bugnot, oz., $3.00; Giant Cassier, oz., $3.50; Excelsior Novelty, pkt., 50c. **Cineraria,** fine mixed, trade pkt., 25c. **Primula Chinensis,** fine mixed, trade pkt., 25c. Ten separate colors of primulas, trade pkt., 50c. Colored plate of pansy Mme. Perret by mail, 15c.

BEAULIEU, Walker Av., WOODHAVEN, N.Y.

Mention the Florists' Exchange when writing.

VAUTIER'S MAMMOTH PANSY

New crop seed now ready. This is the largest and finest Pansy ever offered. We have testimonials from florists from all parts of the U. S. praising its size and merits. Trade packet, $1.00; oz., $4.00.

H. G. FAUST, 64 and 66 N. Front St., **Philadelphia, Pa.**

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PANSIES

From Seed Bed, $3.50 per 1000.

A Good assortment of Hardy Plants in Spring and Fall, such as Coreopsis, Veronica, Iris, Funkia, Lemon Lily, Aster, Phlox, Helenium A. Superbum, Lychnis, Larkspur, Digitalis, Antirrhinum, Myosotis, Mist and other hardy stock. Cash with order, please.

W. C. JENNISON, Natick, Mass.

Mention the Florists' Exchange when writing.

Pansies Worth Raising

Small plants all sold.

Now left but flowering plants from field, at $2.00 per 100, and up.

C. SOLTAU & CO., 199 Graot Avenue, **Jersey City, N. J.**

Mention the Florists' Exchange when writing

SEED!=PANSIES=SEED!

Roemer's Superb Prize Pansies.

Improved strain, new crop ready now. (My own growing.) This new mixture is saved from the very finest selected plants from all leading novelties of art colors, without doubt the finest strain in the market to-day.

Mixed, per pkt. of 3000 seeds, $1; ¼ oz., $1.50; ½ oz., $2.50; 1 oz., $5.00. Cash with order.

PETER BROWN, Lancaster, Pa.

Grower of extra fine Pansies.

Plants Ready September 15th.

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PANSIES

The Jennings Strain

Of large flowered show and fancy Pansy Seed. New crop now ready. My 1900 Strain cannot be excelled, and is sure to give the highest satisfaction.

Finest Mixed, pkt., $1.00; ½ oz., $2.50; 1 oz., $5. Yellow, White, Blue and Black, in separate colors, 50c. per pkt., postpaid. Small Pansies, 60c. per 100, by mail.

Cash with order.

E. B. JENNINGS, Lock Box, 254. **Southport, Conn**

Grower of the finest Pansies.

Mention the Florists' Exchange when writing.

MANETTI.

Suitable for grafting. Secure it now and save disappointment.

HIRAM T. JONES, Elizabeth County Nurseries, Elizabeth, N. J.

Mention the Florists' Exchange when writing.

FRUIT and ORNAMENTAL TREES,

Shrubs, Vines and Roses

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., Geneva, N. Y.

Mention the Florists' Exchange when writing.

CRIMSON CLOVER SEED, growers prices

CELERY PLANTS only $1.00 per 1000.

CABBAGE and Potted Strawberry Plants. Circular free. SLAYMAKER & SON, Dover, Del.

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FOR FALL DELIVERY.

FIELD-GROWN ROSES, CLEMATIS, ORNAMENTAL SHRUBS, TWINING PLANTS, Etc.

Our travelling representative, Mr. J. Austin Shaw, is now in the vicinity of CHICAGO, and we shall be pleased, on request, to have him call upon any prospective purchasers.

JACKSON & PERKINS CO., Newark, New York.

Mention the Florists' Exchange when writing.

CABBAGE CABBAGE

H. Succession, Early and Late Flat Dutch, Drumhead, Savoy and other varieties, field-grown plants, 15cts. per 100; $1.00 per 1000; $8.50 per 10,000.

CELERY White Plume, Golden Self Blanching, Giant Pascal, New Rose and other varieties; 10 acres will soon be ready, 15 cts. per 100; $1.00 per 1000; $8.50 per 10,000. (Large enough now for transplanting at 75 cts. per 1000.)

Any of the above plants by mail, add 10cts. per 100. Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM,
PÆONIES, BLEEDING HEART,
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.

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SURPLUS FOR SPRING 1900

Can yet do PEACHES and JAPAN PLUMS in limited quantity; also MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY STRAWBERRIES from best leading varieties. Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.

ALEX. PULLEN, PROPRIETOR.

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EVERGREEN!

An IMMENSE STOCK of both large and small sized Evergreen Trees, in great variety. Also Evergreen Shrubs.

CORRESPONDENCE SOLICITED.

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EDWARD B. JACKSON,

Wholesale Florist.

Hardy Herbaceous Plants Only

In any quantity for the least money.

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VEGETABLE PLANTS

Fine, large plants ready to plant out.

CABBAGE 5 leading varieties $1.00 per 1000.
BRUSSEL SPROUTS $1 per 1000.
CAULIFLOWER H. Early Snowball, $1.50 per 100.
PEPPERS Bullnose and other varieties, $1.50 per 1000

J. C. SCHMIDT. Bristol, Pa.

Mention the Florists' Exchange when writing.

Yucca Filamentosa

Fine, large plants, $10.00 per 100.

SAMUEL C. MOON, Morrisville, Pa.

BUCKS CO.

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THE PINEHURST NURSERIES,

OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.

Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda nitida, Fothergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Dionæa muscipula, Lupinus diffusus, Phlox subulata, Sarracenias, etc., etc. Ask for Trade Lists.

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ANDORRA NURSERIES

WILLIAM WAGNER HARPER, Prop., Chestnut Hill, Philadelphia, Pa.

SPECIALTIES: Large Specimen Ornamental Trees. Large Hardy Rhododendrons and Azaleas.

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Wholesale Growers. TREES AND PLANTS in full assortment. Trade Catalogue Free.

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Desire to call the attention of Florists and Nurserymen to their 40 acres of HARDY ROSES, their complete assortment of FRUIT and ORNAMENTAL TREES and SHRUBS, and their 44 Greenhouses of ROSES, PALMS, FICUS, FERNS, ETC.

Correspondence and personal inspection solicited. Trade List and Catalogues free.

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TREES

Fruit Trees, Small Fruits, including grapes. Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. Rochester, N. Y.

Mention the Florists' Exchange when writing.

Care of Trees on the Streets of Cities.

Read before the Philadelphia Florists' Club, by John C. Lewis, City Forester and Landscape Gardener.

While the form of the question before us "The Care of Trees on the Streets of Cities," is at the same time both comprehensive and incomprehensive, inasmuch as the variety and treatment of trees on the streets of cities differ on account of location and climatic conditions; hence one prescribed form, while eminently successful in one city, would be inapplicable and unsuccessful in another perhaps. I will therefore confine my remarks to the care of trees on the streets of our own city, Philadelphia; and when we consider the fact that on the City Plan there are over two thousand miles of streets, and over one thousand miles opened and occupied, we have sufficient food for thought in the trees of our own city, without going elsewhere.

The subject of trees on our streets in its many and varied aspects, is quite an extensive one, and as the time for its consideration to-night is limited, it will be necessary for the conveyance of a general and practical idea, to condense its consideration as much as possible. I will therefore proceed under the following headings. First: The suitable variety to plant; the selection of the trees; how to plant and where; pruning at the time of planting; after care and attention, and general remarks.

SELECTION OF TREES.

In my opinion, the most desirable varieties to plant in Philadelphia are as follows:

Platinus orientalis or Asiatic plane, Acer saccharinum or sugar maple, Acer platanoides or Norwny maple (pyramidal type), Acer dasycarpum or silver maple, Liriodendron tulipifera or tulip poplar, Populus balsamifera or balsam poplar, Tilia americana or American linden, and Ulmus americana or American elm.

There are others that are less desirable for reasons obvious, a few of which I will enumerate:

Acer pseudo-platanus or sycamore maple, Æsculus glabra or horse chestnut, Ailantus glandulosa or tree of heaven, Catalpa speciosa or Indian bean tree, Salisburia adiantifolia or Ginkgo, Tilia europæa or European linden and some few others.

Having decided on the variety to be planted, the next in order is the selection of the trees. This is a very important matter, for we must not lose sight of the fact that nurserymen very properly select locations most suitable for the growth of trees, where the soil, moisture, both subterranean and atmospheric, and other climatic conditions harmonize, and are in every way adapted to the luxuriant growth and development of the trees they eventually offer for sale, consequently in bringing trees from the nursery to our streets, where they have to combat contra-conditions for an existence, it is imperative that the trees be healthy, vigorous, free from scars or wounds and insects in any form, and having an abundance of energetic fibrous roots, with robust and straight stems.

HOW AND WHERE TO PLANT.

Having made the selection in quantity and quality, how and where to plant, is next in order. Years back, when the Winter set in before the expiration of the Autumn season, and the Spring followed closely on the heels of Winter, the Spring season was preferable for planting, but now the seasons being erratic, and often vice-versa to what they formerly were, I have found it profitable to change my tactics and plant in the Fall season, with the exception of the liquidambar, liriodendron and one or two other varieties that have succulent roots, for which the Spring season is the best.

We will now consider how to plant. The streets of Philadelphia contain, generally speaking, and in greater or less degree, matter that is not only deleterious to the growth of a tree, but in many cases kills the tree outright. We find ashes, gravel, blue clay and other sterile soil, seasoned with brick bats, tin cans, antiquated shoes, etc., the whole being impregnated with gas and other noxious odors, all of which form a combination exactly opposite to what the tree has been accustomed to, and to which it must adapt itself or die. However, the several thousands of trees that have been planted on our sidewalks and other places under my direction bear evidence by their luxurious growth and development, that this difficulty can be overcome. On unpaved sidewalks the operation of planting is decidedly easier and less expensive than on paved sidewalks, for there is nothing but plain digging to be done, while on a granolithic pavement, the crow-bar takes the place of the spade, and the operation is slow and tedious.

The rule I adopted four years ago, and which has proved successful, is this: On an unpaved sidewalk, where nothing obstructs, the hole for the tree should be dug three feet square and three feet deep, and refilled with rich earth, free from all deleterious substances. On a paved sidewalk, where the aperture is about two feet only, excavate till at least a full sized cart load of rich earth can be deposited in the hole made, the depth being considered rather more than the width in this case.

In filling in the new soil, about half a bushel of oyster shells should be mixed in, which will absorb and render harmless the gas, which is poison to tree life and which percolates through the subsoil throughout the city, from the numerous gas mains, etc. Care must be taken to firm the earth as it is filled in, and in the performance of this operation the human foot is far preferable to the rammer, the elastic tread of the former produces a better firming effect, and excludes the air far better than the latter. In planting the tree, carefully observe the surface mark on the stem and avoid planting too deep. My rule is to raise the tree one, or one and a half inches above the mark of the nursery ground line, so that when the ground sinks to its normal condition, which it invariably will, however well firmed or rammed, the tree will then be at its proper depth. Before passing on, it is necessary to add that an ordinance of Councils requires trees, awning posts, etc., to be placed not less than fourteen inches from the outer edge of the curb, so that collision with the hubs of wagon wheels will be avoided.

PRUNING AT TIME OF PLANTING.

The next heading is pruning at the time of planting. It is unreasonable to suppose and expect that nature can maintain the luxuriant and symmetrical form of a tree produced by several years' growth under the most favorable conditions, when that tree is brought into the city and subjected to contra-conditions; Nature will assert, and strive to adapt itself to the existing conditions, it is true, but without skillful assistance, it will fail in the attempt and the tree will succumb. Pruning is necessary both in the branches and roots. In my opinion, as the root is the most important feature of a tree, it should receive the first and greatest attention. The ends of all trunk roots should be pruned off, broken roots removed, and any cancerous or fungoid growth, however minute its appearance may be, must be pruned away, the operation being performed with a sharp knife and not by shears. Of the use of shears I will speak a little later on. Now as to head pruning. Practice teaches us that the beautiful symmetrical form of the tree obtained by the patient and skillful assistance to Nature by the nurseryman in the tree's natural element, cannot possibly be maintained under adverse conditions. The only remedy, therefore, is to extend further assistance to nature by judicious pruning into a reduced symmetrical form natural to the true type of the tree, according to its variety, thereby relieving the tree of a burden it cannot possibly carry, and assisting it to reproduce itself in a healthy form, under its new conditions.

The results of the foregoing methods are to-day in evidence in several parts of our city, especially so on the sidewalks surrounding Allegheny Square, which is situated on Allegheny avenue and Belgrade street, John Dickinson Square, Third and Tasker streets, and Wharton Square, Twenty-third and Wharton streets. At each of these places the sidewalk pavements are granolithic, and the

CABBAGE PLANTS.

Drumhead, Flat Dutch, Savoy, etc., etc., just ready, $1.00 per 1000; $8.50 per 10,000.

M. E. HARCADINE, Felton, Del.

Mention the Florists' Exchange when writing.

C. H. JOOSTEN, SPECIAL, CANE PLANT STAKES, 6 to 7 feet, per 1000, $6.00; per 250, $1.75.
KENTIA BELMOREANA SEED, per 1000, $4.50; per 3500, $14.00.
Catalogue of FALL BULBS and PLANTS on Application. 85 DEY STREET, NEW YORK.
Mention the Florists' Exchange when writing.

surrounding streets are surfaced with belgian blocks and asphaltum respectively.

AFTER CARE AND ATTENTION.

Continuing we will consider the after care and attention of the trees we have now in our mind's eye, planted. I do not in all cases agree with the practice of puddling the roots of trees immediately prior to planting, but prefer giving a liberal supply of water at the close of the firming. When the water has disappeared the soil should be filled in slightly above the surface line and leveled off without further treading or firming, and if the weather be dry the earth should be kept moist by an occasional watering. This applies to Spring planting only, for rarely, if ever, is it necessary to water trees that are planted in the Fall season. The infant forest giant has many enemies to contend with when ensconced on our sidewalk, apart from the underground conditions. The cart driver frequently breaks off a branch to switch his horse, the small boy loves to swing around and around its bending stem; at night cats may be seen sharpening their claws in its bark from which wounds are made, the boy with the knife, and what boy hasn't a knife, is very fond of trying its edge on every tree he passes, especially a young, newly planted tree, with tempting smooth bark, and older boys that are supposed to know better, do not hesitate to hitch their horses to the convenient sidewalk tree, the horse at once gnaws the bark or young shoots or both, and often leaves it irredeemably mutilated; and then the caterpillar pest, with which many portions of our city are infested at this present time, neglect for the want of watering and several other adverse contingencies could be named, atmospheric gases and influences, etc.; and yet some people wonder why their trees do not thrive, and endeavor to compare their friends' trees in the country with theirs on their sidewalk, failing to consider the wide difference between the conditions of the two.

Experience has taught me that the antiquated tree box, the wood or metal frame tree guard, is very little service to the tree, but rather on the contrary is injurious, as also the wooden stake or support, except, perhaps, in the case of the latter in very windy and exposed situations.

To guard the tree from the attack of its worst enemies, I find the half-inch mesh galvanized wire cloth placed loosely around the stem and fastened with wire to be not only economical but the most protective of all the several designs of so called tree guards. This can be removed or enlarged at will, according to the requirements of the tree. It is proof against the grasp of the swinging boy, the claws of cats, the edge of the jack-knife, the death dealing bite of the horse, and forms a comfortable rendezvous for the caterpillar to go into the cocoon stage of its existence, and being easy of removal, this pest can as easily be annihilated and the tree preserved.

GENERAL REMARKS.

We have now reached our last heading, "general remarks." Referring back to the pruning question, I recommended the use of the knife in preference to shears, and the reasons for my preference for the former are as follow: The drawing together of the tissues by the action of the shears bruises them, leaving a rough surface and causes decay, and this applies to the branches as well as to the roots, whereas the knife leaves a clean, smooth surface and the liber or inner bark forms a callous covering, from which new fibres start and form roots, thus supplying new feeders to the tree. In reference to the branches, the shears leave the ends rough and bruised, and death to the immediate part is the result, for decay sets in; and time alone will tell us whether one inch, one foot, or the whole branch succumbs to the operation. Whereas, if the knife is used the liber exerts itself and gradually envelops the wound till it disappears from view. I do not by any means wish to disparage the use of shears for general purposes; in this age of keen competition they cannot be dispensed with, for both shears and the knife can be used. The shears can do the trimming, but the knife alone can do the pruning. The operator can go over the tree, both root and branch with the shears, trimming the parts an inch or so beyond the pruning point, and then follow with the knife and do the pruning expeditiously. The foregoing applies only to small trees such as are usually planted on our streets. In larger trees both shears and knife are laid aside and the saw and broad chisel take their places.

I have offered us evidence in support of the methods here recommended for street tree planting, those trees surrounding the small parks named, and in support of the enlarged method of pruning, several thousand trees and many of the largest are in evidence in our beautiful Fairmount Park. I could there point out to you numerous amputations, some of which extended over twelve inches in diameter, that are now nearly covered with new bark, and thousands of others that are entirely covered, and but for my association with the trees themselves, even I could not locate the parts pruned. After pruning, all wounds from one inch and upwards in diameter should receive a coat of paint, which will prevent the decay of the heart wood, and the kind used in my many years of practice, is boiled linseed oil colored with lamp black. Why I prefer this and not coal tar, put on hot, as some recommend, is because linseed oil is a vegetable production and therefore analogous to the tree, while coal tar is a mineral production and contains carbolic acid, which is injurious to plant life. It is optional whether lamp black is used or not, the only recommendation it has is that it turns to an invisible green color in a short time, and thus hides from view the bareness shown by the amputation, and without which the wound in a large tree would be very conspicuous.

Among the many drawbacks incident to the life of a city tree is the contraction of its outer bark, the roots may take hold of the soil, which we can tell by external evidence in the growth and vigor of the branches, but some times a check occurs and the tree stands still. This I find is caused by being bark-bound, or as we would say in reference to an animal, hide-bound.

The reason I ascribe for this, is that vegetation in the city, especially in the more crowded parts, does not receive the full benefit of the nightly dew. The dew falls over the city as well as the country, but the smoke, heat and gaseous vapors arising from the city, either absorb the dew or impregnate it to such an extent, that it loses its life-giving properties and destroys its efficacy. Now to remedy this bark contraction, I find scoring gives relief to the tree. This is performed by drawing the point of a sharp knife down the stem to the ground, leaving a furrow from top to bottom. The salutary effect of this scoring process will be discernible in a very short time, by the renewed energy of the buds and twigs or infant branches of the tree.

Having guarded the tree from injurious attacks of all its enemies here enumerated, there remains yet another to combat, namely, the caterpillar, the second army of which is now so strongly in evidence throughout parts of our city.

Doubtless all here present remember the disastrous state of affairs in the matter of tree life that existed in our city four or five years ago, caused by the ravages of the tussock moth and its numerous progeny, the hairy caterpillar. To say nothing of the trees on the streets and in private grounds our small parks and squares were not only denuded of their foliage and rendered shadeless, but were practically deserted by pedestrians and the rest-seeking public, for in sitting on the benches or even passing through the pest dropped down from the trees in such numbers that many persons carried umbrellas to shield themselves from the rain—literally speaking—of caterpillars, and this occurring as early as the beginning of July, the thousands of our citizens whose scant means and daily vocations prevented them from leaving city during the heated term, were deprived of the life-resuscitating advantages, and health-giving properties our public squares and small parks afforded them prior to the advent of the caterpillar, and which they now enjoy through the untiring energies of the Bureau of City Property. A tour of our small parks and squares will reveal the fact that less than 1 per cent. of the thousands of trees owned and controlled by the city are leafless, and further, if the tour is made late in the evening, it would convey an idea of the appreciation shown by hundreds of thousands of our citizens and their families, of the provisions made by Councils and the carrying into effect of the same by the Department for the health, comfort and pleasure of our people at large. But to produce this it has not been an easy matter; time, thought and money have been expended, and the warfare must go on to preserve this state of affairs, and further, it is imperative that private tree owners co-operate with the Department by judiciously caring for their own trees. If they do not, the pest remains, and year after year we will be subjected to its ravages. The destruction of the trees our fathers and grandfathers planted for us, to say nothing of those we have planted ourselves, goes on, and the city is put to an unnecessary expense year after year.

I am gratified to state that many of our citizens have awakened to this fact, and frequently my office is visited by numbers desiring information on this all-important subject, and which is at all times cheerfully given. Time will not permit me to enlarge on this question of extermination, and suffice to say, that the means used by the Department are three (3) and are as follows: Remove and crush or burn the cocoons whenever and wherever found, spraying with Paris green in weak solution at the rate of one pound of Paris green to four hundred (400) gallons of water, or if necessity requires, the strength is doubled. This, however, is the exception and not the rule. It is not the quantity of Paris green used that renders it effective so much as the agitation and distribution of it. These are exterminators, while the third means is a preventive. The trees are girdled about six (6) feet from the ground, with a device known as "Pillar Catter," which consists of a cotton bandage to which an adhesive paste is attached. This prevents the caterpillar from ascending the tree, and places it in a convenient position to be crushed. Now while each individual tree owner cannot command the use of a steam sprayer, that cannot be used as an argument why his tree or trees are not protected from the caterpillar, for he can produce equal effects in a small way with an ordinary greenhouse syringe, as with a steam spraying machine, especially so if the number of his trees is limited to one or two, and those one or two on his sidewalk, which are easy of access. With the aid of a tall step-ladder, a syringe, and a bucket of solution, a great number of the trees on our streets can be protected and preserved, and at a nominal cost.

SMILAX.
2 inch, strong plants, $1.25 per 100; $10.00 per 1000.
COLEUS, R. C., 70 cents per 100; $5.00 per 1000, prepaid.
C. HUMFELD, Verbena King, **Clay Center, Kan.**
Mention the Florists' Exchange when writing.

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Fine plants, 2 inch pots, $1.00 per 100; $8.00 per 1000.
ASPARAGUS Sprengeri, 2 inch pots, $3.00 per 100.
Plumosus Nanus, 2 inch pots, $4.00 per 100.
PRIMROSES July 1st, Chinese, Forbesi, Obconica, Gradiflora and Rosea, $2.00 per 100.
PANSY SEED August 1st, $4.00 per oz. Cash, please.
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A two hundred page book, of inestimable value to all, for only $1.00.
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VIOLETS MARIE LOUISE VIOLET PLANTS
Strong, clean, healthy and well-rooted, for immediate planting; grown in flats, $2.50 per 100; $20.00 per 1000.
CASH WITH ORDER.
EMILY S. CONCKLIN,
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VIOLETS From pots, A1 stock, free from disease: Lady Campbell, M. Louise and Farquhar, $2.50 per 100; $20.00 per 1000; New Imperial, fine stock, $3.00 per 100; $25.00 per 1000.
GERANIUMS S. A. Nutt and Brusnti, $6.00 per 100 3 in., $3.50 per 100, incl. Mme. Salleroi
ALTERNANTHERA red and yellow, from flats $2.00 per 100.
CRABB & HUNTER, Grand Rapids, Mich.
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30,000 SMILAX
Nice, thrifty, 2 inch, per 100, $1.25; per 1000, $10.00.
Primula Forbesi (Baby Primrose), extra fine plants from 3 in. pots, ready for 4s and 5s, only $5.00 per 100.
CASH WITH ORDERS, PLEASE.
GEO. J. HUGHES, Berlin, N. J.
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ROOTED CUTTINGS at $1.50 per 100.
Bonnaffon, Robinson, Jones, Ivory, President Graham and Philadelphia. Cash with order.
GEO. R. GEIGER, Nazareth, Pa.
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THE VERY FINEST STOCK OF
IVORY 'MUMS
$2 per 100; $17.50 per 1000.
2,500 ready for this and next week's planting; 2,000 for later planting
Your money back if not A1.
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NOW FOR 'MUMS!
To clear out the following varieties; to reduce rates.

Bergmann	Bloodgood
Robinson	Autumn Glory
Ivory	Modesto
Lager	Bonnaffon
Mrs. Whilldin	Dailledouze
Mrs Bassett	Niveus
Gloire de Pacific	Mrs. Weeks
Rose Owen	Black Hawk
Mrs. Emerson	Collingsfordii
Queen	W. Simpson

at $2.00 per 100.
Pennsylvania and Adula, at $3.00 per 100. Cash, please.
CHAS. ZIMMER, West Collingswood, N. J.
Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS Now is the time to plant them. We offer extra fine vigorous plants, from 2 and 2½ inch pots. Everybody likes them; they are so strong and healthy that they surprise all of our new customers; our old customers, of course, always know what to expect, but even they occasionally tell us that our stock is getting better all the time. Following is a partial list.

EARLY	100
Ivory	$3 00
M. Henderson	3 00
Geo. S. Kalb	3 00
Merry Monarch	3 00
Willowbrook	4 00
M de Montmort	3 00
Mrs J Whilldin	3 00
John K Shaw	5 00
Golden Trophy	3 00
Glory of the Pacific	3 00

MID-SEASON	100
Major Bonnaffon	$3 00
Wm. Simpson	3 00
V. Morel	4 00
G. W. Childs	3 00
H. W Longfellow	3 00
Mrs. Murdoch	3 00
Mrs T. L Park	6 00
Black Hawk	4 00
Mrs. C. H. Pierce	3 00
Mrs. H. Robinson	3 00
Niveus	3 00

LATE	100
Mrs. J. Jones	$4 00
Liberty	4 00
Merry Xmas	4 00
Autumn Glory	5 00
E. Dailledouze	4 00
Golden Wedding	6 00
Nagoya	6 00
Xeno	6 00
Harry Balsley	3 00
Adula	3 00
Mrs. Baer	8 00

In addition to the above we have a large list of new and other standard sorts. Send for complete list.
H. WEBER & SONS, OAKLAND, MD.
Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, and ten cents to cover expense of forwarding.

SITUATIONS WANTED.

YOUNG man wants situation for greenhouse work. Gus. Miller, 136 Avenue C, New York.

FLORIST, young German, wishes position, all-around hand in greenhouses. L. Geh, 1131 Willoughby Ave., Brooklyn, N. Y.

SITUATION wanted, florist, single, 9 years' experience, cut flowers, plants; references; capable to take charge. J. H. A., No. 40 Akers Avenue, Johnstown, Pa.

WANTED situation, by a thoroughly competent commercial grower and florist; married; 20 years' experience; unexceptional references furnished Address W. S. Phelps, Jr., Hingham, Mass.

SITUATION wanted, by a practical grower of roses, carnations, 'mums, violets, decorative plants; a first-class place with good wages expected; references O. K. Foreman, 249 N. 10th St., Philadelphia, Pa.

SEEDSMAN wishes engagement, is experienced and practical, of quick business habits and adaptive disposition; successful in managing men; full particulars at interview or by letter; references first-class. T. R., care Florists' Exchange.

SITUATION—Wanted, young man, single, Holland, thoroughly understands bulbs and some plants; first-class packer and marker; ten years experience, best of references from former and present employer. T. T., care Florists' Exchange.

TO SEEDSMEN. EXPERIENCED party, situated in large city, desires to correspond with firm of established reputation in regard to opening branch or taking agency. The right house can secure a good retail and gardener's trade, or merchants. T. S., care Florists' Exchange.

HELP WANTED.

WANTED, working manager on small retail and commercial place. Florist, Augusta, Me.

WANTED, young man for general greenhouse work, under foreman; wages $18.00 per month to start. F. L. Hart, Flushing, N. Y.

WANTED—2 thorough nurserymen in a commercial place; accustomed to budding roses, and making cuttings of soft wood shrubery. Address T. P., care Florists' Exchange.

WANTED, experienced young man, German preferred; state size and wages expected. Address, with references, Grovedale Nurseries, Fishers Lane, above 2d street, Philadelphia, Pa.

WANTED—A good all-around man for general greenhouse work; must be good at potting and planting; one that is not afraid of work; permanent position for the right man; state wages expected. John H. Ramsey & Co., Bath, Me.

MISCELLANEOUS WANTS.

WANTED 3000 ft. of 10x12 glass, double thick, state price. George I. Laird, 3014 Fulton St., Brooklyn, N. Y.

SECOND-HAND pipe wanted, 4 inch or 2 inch, for hot water; enough to heat 2 houses, 100x20 feet each; also boiler for same. Henry Lustgarten, Manhasset, N. Y.

WANTED to buy a gentleman's residence with good greenhouses where there is a good market for surplus, prefer it on the Hudson or some healthy place in small town where there is no opposition. Address two months, Geo. Wm. Dallaway, Watkins, N. Y.

BUSINESS OPPORTUNITIES.

BARGAIN, 3 greenhouses; 100 sash; 800 feet 2 inch, 1200 feet 4 inch, pipe; 3 boilers. J. A. Foster, 17 Mather street, New Dorchester, Mass.

FOR SALE—Half interest or whole of nursery, in thriving city in California. Owner having taken outside contracts, wishes partner with some experience to manage nursery; good opportunity for industrious young man with small capital. Address 2113-2121 Central Avenue Nursery, Los Angeles, Cal.

Rose Show at Newport, R. I.

The annual rose and strawberry show of the Newport Horticultural Society was held at Masonic Hall, Newport, R. I., June 26-27. The display of roses was large and the quality good. Fruit and vegetables were only shown in limited quantities, but both were above the average in quality.

The judges were William Anderson, Henry Siebrecht, Jr., and Arthur Griffin. The latter, being a competitor in many of the classes, was unable to serve in these, his place being taken by John Ash, of Pomfret Centre, Conn.

In roses the principal exhibitors were: Messrs. M. H. Walsh, of Woods Hole, Mass.; Thomas Beattie, of Pomfret, Conn.; Hugh Williamson, gardener to W. W. Astor, Esq.; Colin Robertson, gardener to Mrs. Robert Goelet; Alexander Frazer, gardener to H. McK. Twombly, Esq.; William Nichol, gardener to Mrs. William F. Burden, Esq.; Richard Gardner, gardener to J. J. Van Alen, Esq., and Gibson Bros.

M. H. Walsh showed a vase of his new seedling hybrid perpetual rose, J. S. Fay, which was awarded the society's first-class certificate of merit. The same gentleman was also awarded the society's silver medal for the largest and finest collection of roses on exhibition, and in the regular classes won first place for best 25 blooms H. P. roses, best 12 blooms and best six blooms. His varieties in those classes were: Jubilee, Marchioness of Londonderry, Proper Laugunge, Mrs. J. G. Sharman-Crawford, Fisher Holmes, Marie Rady, Alfred Colomb, Baron de Bonstetten, Marchioness of Downshire, Mme. Annie Wood, Baroness Rothschild, Helen Keller, Ulrich Brunner, Mrs. John Laing, Clio, Rhodocanachi, Margaret Dickson, Charles Lefebre, Udster, Merveille de Lyon, Marie Baumnn, Mrs. F. W. Sanford, Mrs. Frank Cant, Mme. Nachury, Earl of Dufferin, Mme. Gabriel Luizet, some of these varieties being represented in all three classes. He also was first in class for best vase, 12 blooms, red, with Ulrich Brunner; best vase 12 blooms, pink, with Mrs. Sharman-Crawford; best vase 12 blooms, white (Margaret Dickson); best vase 25 blooms, any variety, with Ulrich Brunner.

For best fancy basket of roses arranged for effect, Gibson Bros. were first, Bruce Butterton second, Robert Laurie third. Competition in the above class was good, some excellent taste being shown. By the way would it not be well in classes of this kind to have the baskets replenished each day? As it is, few of them are presentable on the second day.

In strawberries, for best collection, Elbridge T. Gerry, Esq., Arthur Griffin, gardener, was first. His varieties were: Marshall, Enormous, Gandy, Glen Mary and Brandywine. Isaac L. Sherman second, with Jessie, Princess, Tennessee Prolific, Brandywine, Bismarck, Glen Mary. Colin Robertson won the medal for best dish of strawberries on exhibition. Andrew Ramsey and Charles D. Stark were also prize takers.

John Ash, of Pomfret Centre, Conn., showed some fine grapes, being a large prize winner.

In the class for fern dishes one of Adiantum Farleyense was the winner, the premiums being awarded first to Robert Laurie; second to Arthur Griffin; third to Chas. D. Stark.

For center piece of foliage plants: First, Arthur Griffin; second, Robert Laurie; third, Charles D. Stark.

Specimen palms—Kentia—Robert Laurie; specimen areca—Arthur Griffin. Specimen any other palm—Robert Laurie, with a fine piece of Phœnix rupicola.

Six specimen ferns, at least three varieties: First, Harry Westley, gardener for I. T. Burden, Esq.

Certificates of merit were awarded as follows: To new rose, J. S. Fay, shown by M. H. Walsh; Mrs. Theo. K. Gibbs, for new climbing rose Virginia, the flowers in size and form resembling a bloom of Gardenia radicans, color after rose Waban; Charles D. Stark, for large specimen plant of Alocasia Thibautiana; Robert Laurie, for extra well-grown specimens Begonia rex; Arthur Griffin, for English musk melon, "The Favorite."

Andrew S. Meikle, for group of palms, ferns and orchids, was awarded a gratuity, and a similar award was made to Charles D. Stark for group of finely colored crotons.

James Matson received special mention for display of cut blooms hardy roses, as did James Boyd, for exhibit of cut blooms Marechal Niel rose; Bruce Butterton, for specimen clerodendron plants in blooms; John Falkenholm, for cut blooms herbaceous plants; William S. Nicholl, for large specimen plants Dracæna Lindenii, and The Geo. A. Weaver Co., for a fine display of garden tools and implements.

A discussion arose as to whether rose American Beauty should be classed with the H. P. group or among the H. T's. One grower who entered in Class 1—that calling for 25 blooms H. P.—by oversight put in a bloom of Gloire de Dijon and was disqualified, and yet, strange to say, the same judges gave first place, as a tea rose, to Kaiserin Augusta Victoria, which is usually classed as an H. T. MAC.



Boston.—The attendance on the alleys was better this week than on the opening night, quite a few of the old rollers appearing who were not present a week ago. Some fairly good scores were made. Geo. A. Sutherland rolled high single score of 183, and M. H. Norton made best average in three strings, with 153⅔. Capt. Rough announced a prize of $15 which he offers to the member of the Boston team making the highest string at the bowling contest in New York.

Following are the scores for Monday night:

	1	2	3	4
J. Rough	116	91	100	90
W. J. Stewart	111	120	..	..
J Morton	59	92	112	110
F. J. Norton	172	128	132	135
G. A. Sutherland	123	132	183	107
Ed. Welch	..	101	168	142
M H. Norton	..	140	157	164
Leavitt	..	105	118	97
Cotter	..	114	123	118
Martin	..	..	128	104
P. Welch	..	..	103	93

Meetings are to be held regularly Monday evenings at 7:30, at the Webster alleys, 22 Warren street, Roxbury, at which it is hoped all the members of the Horticultural Club will be present.

F. J. N.

New York.—Following are the scores rolled Monday night last:

	1	2	3
Lang	145	141	126
O'Mara	132	147	141
Manda	153	135	104
Marshall	134	154	116
Burns	148	175	109
Roehrs	120	113	107
Donlan	162	138	141
Traendly	178	102	153
Thielmann	155	131	141

Chicago.—Below will be found the score of the first three of the fifteen games to be played to determine the selection of the team for the contest in New York. Some of the principal players were absent. The scores given show that there is need of some bracing up, if the club expects to cut any figure.

The ten-game match for bag and ball, between John Degnan, Prof. Hauswirth and Ed. F. Winterson, has been completed, the trophy going to Degnan, with a score of 1,594 pins for the ten games, against Hauswirth 1,528, and Winterson 1,508.

	1	2	3
Winterson	137	115	164
Hauswirth	139	155	131
Kreitling	108	95	137
Degnan	156	136	130
Wilson	137	142	148
F. Stollery	173	113	157

CATALOGUES RECEIVED.

ELLWANGER & BARRY, Rochester, N. Y.—Catalogue of Pot-grown Strawberries. Illustrated.

S. G. HARRIS, Tarrytown, N. Y.—Illustrated Catalogue of Choice Bulbs and Plants.

PLANT CULTURE

Hitherto advertised as COMMERCIAL PLANTS, **will be ready for delivery July 18, 1900.** A two hundred page book, of inestimable value to all, for only **$1.00.**

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BUSINESS OPPORTUNITIES.

FOR RENT, with privilege of buying, a place with 3 new greenhouses, 87 feet long, heated by Hitchings No. 17 boiler, dwelling house and city water on place; within 15 minutes from New York City, a good chance for live man. Address John M. Meyer, Sr., Metropolitan P. O., Queens Boro, N. Y.

FOR SALE—14,000 feet of glass, used mostly for roses, 4 acres of ground and 2 dwelling houses; 3 minutes from station, city improvements, hot and cold water, and good forcing water in greenhouses supplied by Summit Water Co. Will sell whole or part interest. A. Harth, Millburn, N. J.

FOR SALE—Mushroom plant, 8 miles from New York, fine place of 20 lots with privilege of 30 lots additional; four fine cellars in good working order, chicken houses to accommodate 500 fowl; fruit of all kinds; near two cemeteries; ideal place for florist, small fruit grower, or for incubator plant; rich soil; convenient to trains and trolley; 10c. fare to New York. 7 room brick house and small frame house, large barn, fine water, electric lights, good roads. A bargain to quick buyer. T. K., care Florists' Exchange.

SACRIFICE—Account of sickness must be sold, paying florist's establishment in live town of 8,000 inhabitants, with a large outlying population to draw from, on two railroads, 39 miles from N. Y. City; 7 000 feet of glass, 6 houses, 7 room dwelling, heated by Florida steam and Hitchings hot water boilers; city water in houses and dwelling; carnations and stock plants in ground, large stock of stuff growing for fall sales. Entire stock, fixtures, tools, $100 worth wire designs, $200 worth pots, hose, plant wagon, hand cart, wheelbarrows, etc., cost $9,500, sell for $4,200; $1,500 cash, balance on mortgage. Address P. O. Box 293, Dover, N. J.

WANTED.—A PARTNER WITH $2000 to $3000 to develop a well-established wholesale business in New York City; particulars on application; references exchanged. Address T. V., care Florists' Exchange.

MISCELLANEOUS.

FOR SALE, some extra good second-hand 3-inch pipe at 6c. per foot; also some 4-inch; secure it while it lasts. W. H. Salter, Rochester, N. Y.

FOR SALE—One 16 horse upright boiler, one 60 horse locomotive boiler, one Dean steam pump, cheap. P. O. Box 95, Newtown, Bucks Co., Pa.

FOR SALE—1000 to 1200 ft. second-hand, 4 inch cast iron pipe, 5 ft. lengths, good condition. Also Ts, Els and fittings. H. V. Soule, 325 Coffin Avenue, New Bedford, Mass.

FOR SALE—One upright steam boiler, heating capacity five thousand square feet of glass; and one coil boiler, heating capacity four thousand feet of glass; all guaranteed in perfect condition. Address Geo. Stattinger, Springville, N. Y.

Success With House Plants

BY LIZZIE PAGE HILLHOUSE.

A complete text-book and guide to the care, cultivation and propagation of all plants in the garden and the home.

The volume is written by a woman for women, in plain, concise language, easily understood, and the book has the special merit of giving directions which can be readily followed, the methods prescribed being of the simplest, and the material suggested to be used easily within reach of all.

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To Retail Florists. The old thought, that it was dangerous for a customer to know much about the care of plants, has passed away, being superseded by the newer and more intelligent one, viz.: that the more successful a customer is with plants, the greater quantity will he or she buy.

We offer Special Inducements to all who wish to handle this book. It is a good seller. For particulars, address

A. T. DE LA MARE PTG. & PUB. CO., Ltd., 2 to 8 Duane St., N. Y.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

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New York.

The Market.

The Fourth, combined with a tropical heat, have contributed this week to create conditions somewhat intensified from those last reported, so far as the cut flower market is concerned. There has been little or nothing doing. The stock arriving, too, has been of poor quality, roses particularly showing up in a sorry state from mildew and other untoward agencies. Carnations have also deteriorated in quality, and to aggravate matters some shippers, mistaking the nature of the holiday just past, held back large quantities of the divine flower, dumping them on an already stagnated market on the morning of the Fourth, with the result that they went on the street—or nowhere.

Lily of the valley has been overplentiful this week, as have longiflorum lilies. Beauty being about the only flowers for which a demand was felt. Gladiolus have also increased in supply, with a consequent fall in value; asters are arriving in quantities, bringing $1.50 a dozen bunches.

The funeral of the victims of the terrible fire that occurred Saturday last, on the North German Lloyd Steamship docks, at Hoboken, N. J., when three of the company's steamers were destroyed and over one hundred persons either burned or drowned, created a slight improvement in the market conditions existing in the Cut Flower Exchange at 34th street, Thursday morning, in a demand for funeral stock by the Hoboken florists, but didn't affect the whole market, the most of the flowers being purchased at the before-named mart.

The business of the day may be said to be over by 10 o'clock, and after that hour salesmen and their help have all they can do this sultry weather to keep awake.

With the exception of the Cut Flower Company the wholesale stores will not this year close at 4 p. m.; instead the proprietors have agreed to grant the boys a half holiday every alternate day—an arrangement that is evidently giving general satisfaction.

Jottings.

Ghormley & Perkins, who have been in the wholesale commission business for some time, at 57 West 28th street, dissolved partnership July 1.

J. J. Featherstone, 23d street, was in attendance at the Democratic Convention in Kansas City this week.

The Cut Flower Company held a meeting Monday last for the election of officers and directors. The old board was re-elected. The officers are: President, John N. May; vice-president, Eugene Dailledonze; secretary and treasurer, George W. Hillman, Jr., of Flushing.

Several of the commission stores are now house-cleaning and otherwise fixing up in preparation for the critical inspection of the numerous delegates to the convention expected here August next.

The regular meeting of the Florists' Club occurs Monday evening next. It is expected that many matters connected with the convention will be finally decided at this meeting, and a large attendance is therefore earnestly requested. The bowlers, as usual, will roll in the afternoon of the same day.

The shooting tournament is hardly creating the excitement of its sister sport, bowling, judging by the small number of inquiries regarding the former coming in. Is it not time that a home shooting team was formed to participate in the contest?

Thomas Young, Sr., called on his boys in 28th street this week. The old gentleman, despite his many years, is as buoyant and sprightly as ever.

President O'Mara was recently the recipient of a communication from Salt Lake City, offering to sell him a formula of a "cure-all" for every kind of "poison" to which the florist is subjected. The president says he has no use for the decoction, never being afflicted along the lines indicated, but advises us of the "blessing" for the benefit of those less fortunate.

The present week has seen an exodus of quite a number of the craft for Europe; among them Thomas Young, Jr., accompanied by Mrs. Young, Herman Kuhn, Louis Dupuy, of Whitestone, and L. J. Kreshover.

Among visitors en route for the "other side" have been Prof. L. R. Taft and R. Gunson, of the Agricultural College, Michigan. Others in town were Messrs. Rennie and Pino, Providence, R. I.; Henry Eichholz, Waynesboro, Pa., and Mr. Peterson, of D. Landreth & Sons, Philadelphia.

Philadelphia.

Club Meeting.

The meeting on Tuesday evening was fairly well attended for a July assembly; but what with the high temperature and a heavy thunderstorm all the life was taken out of those present. It was decided to send invitations to all florists' clubs whose members are likely to pass this way on their trip to the convention to stop off in this city, as Monday, August 20, there will be open house in our club room, and all visiting delegates can have an enjoyable time, be infused with enthusiasm ready for the convention, and then join the delegates from this city in a special train to New York that evening. This special train will be appropriately decorated and well stocked in case it should get delayed on the way.

An Elegant Trophy.

The feature at the club meeting was the magnificent silver cup presented by the Floral Exchange, Inc., the introducers of the new rose Queen of Edgely, through this club to the Florists' Bowling Association, to be competed for at New York. The donors have left all details to the Bowlers' Association, but conditions will be regulated by what the other tropies are given for. There being prizes for the best single game and best three games, this one may be given for best two games. It is the finest trophy ever given in connection with the florists' convention, standing three feet high, massive and of fine appearance. An illustration of it will appear next week.

At the August meeting a discussion will take place as to the "Best Methods of Constructing Cooling Rooms for Florists," to be opened by H. C. Geiger. Do not take this to mean that florists themselves want cooling; it is really the best kind of room for growers to keep their flowers in after cutting.

Nothing can be said as to business in the cut flower line, everything is very quiet. Not even is there much funeral work around.

Harry Bayersdorfer has returned from his annual trip to Europe. He has had a very successful journey, and has succeeded in picking up many novelties in the florist supply line. Some of these will be seen at the convention next month.

DAVID RUST.

ADIANTUM CUNEATUM FERN

For sale cheap, 700 plants from solid bed, equal to same from 6 in. pots.

JOHN I. RAYNOR, 49 W. 28th St., New York City.

Mention the Florists' Exchange when writing.

8000 ROSES HEALTHY STOCK.

8000 nice plants of Bride and Bridesmaid, from 3 and 3½ inch pots, at $4.00 per 100, or $35.00 per 1000; 500 at 1000 rates.

Full line of BEDDING PLANTS cheap. Will exchange some stock for Chrysanthemums.

300,000 Fine Celery Plants, including White Plume, Giant Pascal and Golden Heart, $1.50 per 1000, or 10,000 lots at $1.00 per 1000. Special price on quantity. Cash with order.

W. T. HILLBORN, - Newtown, Bucks Co., PA.

Mention the Florists' Exchange when writing.

100,000 SMILAX

Extra fine strong plants, out of frames, at $2.50 per 1000; $1.50 per 500, by express; by mail, 40 cts. per 100.

ASTER PLANTS.

Semple's, Truffaut's, Queen of the Market, fine, stocky plants, at $2.00 per 1000.

GUSTAV PITZONKA, - Bristol, Pa.

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POTTED PLANTS

THE GREEN SPRINGS FLORAL CO

WALDROP, VA.

Farquhar Violet	per 1000, $20.00
Lady Hume Campbell	" 15.00
Princess of Wales	" 12.50

Also field-grown plants of the different varieties, at the same figures as the potted plants. Guaranteed clean of all diseases. Money must accompany all orders.

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PRIMULA CHINENSIS

CINERARIA HYBRIDA Transplanted, $1.50 per 100. Out of 2 inch pots, $2.00 per 100.

Cash With Order.

H. STAHLHUT, New Lots and Shepherd Av. BROOKLYN, N. Y.

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25,000 SMILAX That will grow and make strings this fall From 2 inch pots, $1.50 per 100; $13.00 per 1000. From flats, by mail, 50c. per 100; $1.00 per 1000 Send for samples. CASH WITH ORDER.

FRED HOERNER, Cape May City, N. J.

SMILAX From 2 inch pots, $1.25 per 100, $10.00 per 1000.

E. I RAWLINGS, Quakerstown, Pa.

SMILAX

Strong seedlings from flats, 40c. per 100, $3 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

2000 SMILAX, 2½ inch.

500 ASPARAGUS SPRENGERI, 2½ inch.

Plants are strong and healthy. Cash with order.

HENRY BEHRENS, Middletown, Ohio.

Mention the Florists' Exchange when writing.

LACE FERNS Polystychum Wollastoni.

The finest on the market to-day for cut and centerpieces. We have one houseful in different sizes on hand. Will send you a sample, then judge yourself. 1 plant, 6 inch pan; 3 plants, 3 inch pots; 10 young plants, by express, for $1.00; 100 price on application.

ALBERT KNAPPER, Frankford, Philadelphia, Pa.

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SMILAX From Pots. Ready Now.

$1.50 per 100; $15.00 per 1000.

ASPARAGUS PLUMOSUS

From 3 in. Pots. Ready July 15.

$6.00 per 100; $50.00 per 1000.

You will make no mistake in sending me your order. This stock is of the same high quality as that furnished last season Samples furnished to new customers if desired.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

LIBERTY 4 inch pots, clean stock, for planting. Ready July 15th. 100, $75.00; 50, $40.00; 25.00, $22.50; 12, $12.00. Full stock all other forcing sorts.

A. S. MAC BEAN, Lakewood, New Jersey.

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BOSTON FERNS!

$5.00 per 100; $40.00 per 1000. Large plants from 50 cts. to $3.00 each.

SEEDLING FERNS Pteris Cretica Albo Lineata, $1.25 per 100; $10.00 per 1000.

KENTIA BELMOREANA Seedlings, $40.00 per 1000; 2 in. pots, $60.00 per 1000. Also plants, from $1.50 to $8.00 each.

ARECA LUTESCENS SEEDLINGS.....$2.00 per 100; $18.00 per 1000

PANDANUS VEITCHII.....fine large plants in 8 inch pots, $2.50 each

PANDANUS UTILUS.....8 inch pots, from $1.00 to $1.50 each

JOHN SCOTT, KEAP STREET GREENHOUSES, **BROOKLYN, N. Y.**

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Ready for Delivery, July 18, 1900.

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THEIR PROPAGATION AND CULTURE.

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A working Hand Book of Every-day Practice for the Florist or Gardener, and those who intend to grow plants and flowers, in the greenhouse or garden, as a means of obtaining a livelihood. Each and every article is written in concise, simple language, and embodies wholly and solely the experiences of the writer.

The plants dealt with comprise those which are commercially handled by Florists, Gardeners and Nurserymen, and include **Florists' Flowers, Stove and Greenhouse Plants, Hardy Herbaceous Plants, Annuals, Shrubs, Hardy and Tender Vines,** and a chapter on miscellaneous subjects in connection with the above.

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This work contains nine beautiful plates, eighteen full page descriptive views of leading Water Gardens and Ponds, and numerous smaller pictures prepared with special reference to this work. On heavy enamelled paper. Elegantly bound. Large octavo.

PRICE, $2.00.

The text describes all operations from the growing of plants in tubs to the large water garden, excavation of grounds, construction of ponds, adapting natural streams, planting, hybridizing, seed saving, propagation, the aquatic house, wintering, correct designing and planting of banks and margins, and all other necessary details. Prospectus and Reviews free on application.

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FINE PALMS.

Kentia Belmoreana and **Forsteriana**—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, from $2.50 upwards.
Phœnix reclinata, 4 in. pots, $20 per 100. 5 in. pots, $40 per 100; 6 in. pots, 35c. each; 7 in. pots, $1.25 each; specimen plants, $2.00 upwards.
Areca Lutescens, 3 in., $15 per 100; 4 in., $25 per 100.
Latania Borbonica, 4 in., $20 per 100.

JOHN BADER, Troy Hill, Allegheny, Pa.
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Palms Cheap

	In. pots	Ht. high	No. leav's	Price per 10	Price per 100
Areca Lutescens	4	12-15	2-3	$1 00	$1 00
" "	4½	18-20	3-4	1 60	15 00
" "	5	20-24	4-5	3 50	30 00
Corypha Australis	4	12-15	4-5	2 00	15 00
" "	5	18-20	5-6	4 00	35 00
" "	6	26-30	5-7	5 00	45 00
Chamærops Excelsa	4	12-15	4-5	2 00	15 00
"	5	1-20	5-6	4 00	35 00
Chamærops Humilis Canariensis	4	15-18	4-5	2 00	
"	5	20-24	4-5	4 50	
Senforthia Elegans	4	15-8	3-4	1 31	13 00
"	5	20-24	3-4	2 75	25 00

For other varieties and sizes see Wholesale List.

These plants are all strong and ready for larger pots. All orders must be accompanied by the cash. Address all orders to

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BOSTON FERNS

N. Exaltata Bostoniensis.

Small plants, $5 00 per 100 or $40 00 per 1000; large plants, $6.00 to $20.00 per 100.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3 00 ea. Forsterians, 3½ to 4 in. pots, $3.00 and $4.00 per doz.

Asparagus Plumosus, 2½ in. pots, $5 00 to $6.00 per 100; 3½ in. pots, $12 00 per 100.

Asparagus Sprengeri, 2½ in. pots, $5.00 to $6.00 per 100; 3½ in. pots, $12.00 per 100.

Araucaria Excelsa, $1.00 to $2 00 each.

Rubber Plants, $4.00 per doz.

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BOSTON FERN—A Specialty

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ASPARAGUS

Sprengeri, 2 in. pots, $4 per 100.
Plumosus Nanus, 2 in. pots, $5 per 100.

Phœnix Canariensis, 4 inch, showing characterized leaf $2.50 per doz.; $15 per 100.
Mixed Fern Spores, $1.00 per large package.

EMERSON C. McFADDEN,
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1500 **Nephrolepis Cordata Compacta,** in 2 in. pots, at $3.00 per 100. Also strong plants, from bench, at $2.00 per 100.

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GROWER OF

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ASPARAGUS PLUMOSUS

Fine stock, 5 to 8 inches high, from 3 inch pots, $10.00 per 100; very strong, 10 to 12 inches ht., b. $12.00 per 100. A few heavy plants, from 5 inch pots, $1.75 per dozen. **Cash with Order.**

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Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

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FERNS Our Specialty.

	100	1000
A Grand Stock of **MAIDEN HAIR FERNS** in 4 in., ready for 5 in. pots	$8.00	$75.00
Full-grown plants, in 2½ in., ready for a shift	3 50	30 00
Fine lot of **ASSORTED FERNS** for **Jardinieres,** all the best varieties, in 2½ inch pots	4 00	35.00
Asparagus Sprengeri, 5 in pots	15.00	
Gardenia Florida, strong, healthy plants, 5 in. pots	15.00	
Gardenia Florida, 2½ in. pots, extra strong	4.00	

Money returned if not satisfactory.
TERMS CASH OR C. O. D

ANDERSON & CHRISTENSEN, SHORT HILLS, N. J.
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ASSORTED FERNS IN FLATS

Ready for potting, $2.00 per flat.

If you are in the market for Ferns, this is the most advantageous way to buy in a stock at a little cost, each flat contains 110 small clumps of spores, which can be divided from 2 to 4 plants.

BOSTON FERN Strong plants out 6 inch pots, $4.50 per doz.; $35.00 per 100.
BOSTON IVY, Ampelopsis Veitchii, pot grown, $6.00 per 100.
CRAFTED KAISERIN A. VICTORIA ROSES, $10.00 per 100.
CLOTHILDE SOUPERT, strong plants, $10.00 per 100.

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WRITE TO US FOR PRICES BEFORE BUYING ELSEWHERE.

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Making an Asparagus Bed.

Read by Joseph Hurley before the Pennsylvania Horticultural Society.

Asparagus is a vegetable that ought to be in every private garden, therefore it is one of those things the planting of which should not be put off from year to year, but should be done just as soon as the property has been secured and the owner has made up his mind to build his home.

A great many people are deterred from planting an asparagus bed because it takes so long to come into bearing, hence the greater the necessity for starting at once.

LOCATION.

Having made up your mind to plant the asparagus bed, the next thing to do is to choose a good location, and by that I mean one with a southern exposure and sufficient fall to carry away all surplus water. On flat, level land, where the water is apt to lie, you can help it considerably by putting broken stone about one foot in the bottom of the trenches; this will keep the water away from the crowns at all times.

PREPARATION OF THE BED.

For a good and lasting bed of asparagus it is necessary to prepare the ground thoroughly by digging the whole bed over to a depth of at least four feet. First remove all top soil, one spade deep, and cart it away to a pile close by the bed so as to have it handy when the bed is dug over to spread again over the surface. You now proceed to open up your first row. This can readily be done by carting the dirt over and beyond where your last row is to be; then put in the bottom of your trench a layer of manure 6 inches deep, then a layer of dirt off your next row; again a layer of manure and so on, every other layer of manure and dirt until you have the whole bed dug over.

When digging keep a sharp lookout for stones, and remove all of them, no matter how small, as they will interfere with the cutting, especially if you want white grass.

SOIL.

The best soil for growing asparagus is a rather light, sandy one. Not only will it produce the nicest heads, but it will produce three heads to the one that you will get from a heavy clay soil. I would recommend wherever the soil is not naturally light, that it be made so in preparing the bed by mixing sand or some other light material with it.

PLANTING.

Having had the whole bed dug over we now start to dig trenches for the plants. These trenches should be 20 inches deep and 4 feet apart, and the plants in the rows not less than 3 feet apart; and where room is no object I would put the plants 4 feet apart in the row and cover the crowns to the depth of 2 or 3 inches.

Spring is the best time to plant; do not do it in the Fall or the crowns will rot; or at least nine-tenths will, necessitating planting again in the Spring.

Two-year-old roots are generally used, and I would advise anyone planting a bed of, say, 500 roots, to order from the nurseryman at least 1,000 roots, and pick from them the strongest crowns and those that have been the least injured and throw the remainder away.

TREATMENT.

All that is necessary to do the first year is to keep the bed free from weeds. This will have to be done with the hoe. Care should be taken that not too much soil is hoed off the banks, as it all drops into the trenches and is liable to smother the crowns. The second year the treatment is about the same as during the first, except that you can go a little deeper with the hoe. Each time you hoe you can pull a little soil off the banks around the growing plants, so that about August, when you have hoed for the last time, you will have about 12 inches of soil above the crowns. In the third year, if you have succeeded with your bed, you may begin cutting, and from time to time as the bed requires digging you can keep adding a little more soil off the banks to the crowns, so that by the middle of June, when you have allowed the asparagus to grow for the season, you will have your bed level on the surface.

CUTTING THE GRASS.

This should always be done by the same man, and wherever practicable, I would recommend that it be done by the gardener; and if he has not time to do it then he should select the most trustworthy man under him, for it requires good judgment, especially when you are cutting white grass. If one is not careful in observing the proper angle at which you insert your knife you will cut off the young shoots that have not appeared above the ground. By having the same man cut the grass every day he becomes familiar with every crown in the bed, and he will soon learn the proper way to insert the knife. Of course, where green grass will do so much care is not necessary in cutting.

GENERAL REMARKS.

Two or three applications of salt during the cutting season will be very beneficial, not only in helping to keep the bed free from weeds, but it also improves the crop. Early in November, when the Summer growth has ripened, and before the seed has a chance to drop, the bed should be cleaned by cutting away the stalks with the scythe and burning them up. The bed should then have a top dressing of well-rotted cow manure from 3 to 4 inches deep, free from straw, so that it will dig in nicely in the Spring. The bed should be dug over carefully in the Spring as soon as the ground is dry enough and before the young shoots appear. A dressing of ground bone, or soot, or in fact, any commercial fertilizer applied in the Spring will be very beneficial to the crop.

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A two hundred page book, of inestimable value to all, for only **$1.00.**

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SMILAX

From 2½ in. pots, $2 00 per 100.

Russellia Multiflora and Elegantissima from 3 in. pots, 6c. per doz.
Asparagus Tenuissimus Nanus, from 2 in. pots, 50 cts. per doz.
Asters, Queen of the Market, strong, from soil, $1.00 per 100.

J. G. EISELE, 20th and Ontario Sts., Phila., Pa.
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Now ready. $5.00 per 100.

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1 Large Specimen Plant of

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Write for descriptions, etc., to

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OMER VAN DEN PLAS, Horticulteur, **Loochristy, les Gand, Belgium,**

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Arrived in excellent condition **Lælia Purpurata, L. Grandis Tenebrosa** and **Oncidium Varicosum Rogersii.** Also **Cattleya Percivalliana, C. Mossiæ, Lælia Anceps** and **L. Autumnalis.**

CORRESPONDENCE SOLICITED.

LAGER & HURRELL, Summit, N. J.
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ROSE PLANTS.

		Per 100.	Per 1000.
AMERICAN BEAUTY,	2½ in.,	$5 00	$45.00
METEOR,	"	3.00	25.00
BRIDE,	"	3.00	25.00
BRIDESMAID	"	3.00	25.00
AMERICAN BEAUTY, lifted from benches,			35.00

A1 STOCK. BEST IN MARKET.

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IF YOU NEED ROSES
Send us your list for our quotation.
THE C. A. REESER CO.
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Wholesale Rose Growers.
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ROSE PLANTS

Meteor, 3½ inch pots, per 100, $5.00; per 1000, $40.00.

Potted and repotted 4 times. These plants are vigorous and unusually fine. Packed to safely ship any distance.

BRANT & NOE, Forest Glen, **Chicago, Ill.**
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Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

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ROSE PLANTS

In 3 inch pots, nice and strong.
BRIDESMAID, BRIDE and KAISERIN
$4.00 per 100; $35.00 per 1000.
MERCER FLORAL CO., Trenton, N. J.
CARL E. TAUBE, Proprietor.
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ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS ..
and Novelties in Decorative Plants.
Market and 49th Sts., PHILADELPHIA, PA.
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ROSES! ROSES!

			Per 100
2000	**Golden Gate,**	3 inch pots	$3.00
1000	**Bridesmaid,**	3 " "	3.00
1000	**Bride,**	3 " "	3.00
1000	**Meteor,**	3 " "	4.00
1000	**Smilax,**	3 " "	2 50

The above is clean and very strong plants.

J. D. BRENNEMAN, Box 24, **Harrisburg, Pa.**
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ROSES

1,500 BRIDES, 3 inch Pots,
1,500 'MAIDS, 3 inch Pots,
$3.00 PER 100.

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AMERICAN BEAUTY!

3 inch pots . . . . . $6.00 per 100; $55.00 per 1000.
2½ inch pots . . . . . 5.00 per 100; 45.00 per 1000.

	Per 100	1000
BRIDESMAID, 3 in. pots	$4.00	$35.00
" 2½ "	3.00	25.00
BRIDE, 3 in. pots	4.00	35.00
" 2½ "	3.00	25.00
PERLE, 3 "	4.00	35.00
" 2½ "	3.00	25.00

	Per 100	1000
METEOR, 3 in. pots	$4.00	$35.00
" 2½ "	3.00	25.00
GOLDEN GATE, 2½ in. pots	4.00	35.00
KAISERIN, 2½ in. pots	3.00	25.00
" 3 "	4.00	35.00

PETER REINBERG, 51 Wabash Ave., CHICAGO
Mention the Florists' Exchange when writing.

LOOK! ROSES!

From 3 inch pots
Bridesmaid, La France, Meteor.

What will you give me for what you want. Strong, healthy plants, subject to examination at your express office.

M. F. LA ROCHE, Agent, **Collingdale, Pa.**
Mention the Florists' Exchange when writing.

Adiantum Cuneatum

2½ in. pots, $4 per 100; 3½ in. pots, $6 per 100; 3½ in pots, large plants, $10 per 100; selected plants, 3½ in. pots, $12 per 100.

Asparagus Sprengeri

2½ in. pots, $4 per 100; $30 per 1000.
3 in. pots, $5 per 100.

We also have a few hundred **ROSE PLANTS, Bridesmaids,** left yet, which we offer at $6 per 100.

EDW. J. TAYLOR, Southport, Conn.
Mention the Florists' Exchange when writing.

ROSE PLANTS

		Per 100	Per 1000
Meteor, Bridesmaid, Bride, La France	2½ in. pots,	$3.00	$25.00
	3 in. pots,	4.00	35.00

American Beauties Lifted from benches, Per 100, $2.50; per 1000, $20.00.

La France Lifted from benches, per 100, $2.50; per 1000, $ 0.00

The above is all clean, strong stock ready for planting, no better to be had.

GEORGE REINBERG,
51 Wabash Ave., CHICAGO, ILL.
Mention the Florists' Exchange when writing.

ROSES

GOLDEN GATE, thrifty stock, from 2½ inch pots, $4 00 per 100; $35 00 per 1000. **BRIDESMAID,** $3.00 per 100; $25.00 per 1000.
A few hundred **PERLE,** from 2½ inch pots, $3.50 per 100; from 3 inch pots, $4 50 per 100.
PHŒNIX CANARIENSIS, from 5 and 6 in. pots, $3.00 per dozen; $20.00 per 100.
WM. B. SANDS, Lake Roland, - - BALTIMORE, MD.
Mention the Florists' Exchange when writing.

40,000 FIRST QUALITY FORCING ROSES!

READY FOR IMMEDIATE PLANTING.

Fully equal to those sent out the last eight years, first-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.

WOOTTON, LA FRANCE, AMERICAN BEAUTY, GOLDEN GATE, 3 inch pots, $8.00 per 100. 4 inch pots, $12.00 per 100.

MME. HOSTE, BRIDE, BRIDESMAID, MAID OF HONOR, METEOR, KAISERIN, SAFRANO, BON SILENE, MERMET, PERLE, 3 inch pots, $7 00 per 100. 4 inch pots, $10 00 per 100.

GRAFTED ROSES MAID OF HONOR, GOLDEN GATE, 3½ inch pots, $15 00 per 100.

Mention this paper. J. L. DILLON, Bloomsburg, Pa.

PHILADELPHIA ROSES — HIGH ART NOVELTIES

3 new Colors of Small Buds for Debutante Work—considered more Rare than Orchids. Stock is Limited. ORDER Early.

AMERICAN BEAUTIES Strictly first-class clean stock, 4 inch only now, 3 inch ready in two weeks.

MYERS & SAMTMAN, CHESTNUT HILL, **Philadelphia, Pa.**
Mention the Florists' Exchange when writing.

ROSES

BRIDES and 'MAIDS, 4 inch, $5 00 per 100; $45 00 per 1000. 2½ in., 3.0 per 100; 25.00 per 1000. 2 inch, 2 50 per 100.
Careful Packing. Light Boxes.
P. COSGROVE & SON, Madison, N. J.
Mention the Florists' Exchange when writing.

ROSES

(SURPLUS STOCK.)

Fine plants, from 2½ inch pots, 'Maid, Bride, Mme. Cusin, Perle and Meteor, $3 00 per 100.

Asparagus Plumosus Nanus

Transplanted seedling plants, for July and August delivery, ready for 2½ inch pots, at $3.00 per 100; $25.00 per 1000; 500 at thousand rates. Express prepaid.

Cash With Order, Please.

R. ASMUS, - New Durham, N. J.
Mention the Florists' Exchange when writing.

FORCING ROSES

	Per 100	Per 100
Brides	2½ in. $2.75;	3½ in., $4 00
Bridesmaids	" 2.75;	" 4 00
Perles	" 3.00;	" 4 50
Sunsets	" 3.00;	" 4.50

Following 2½ Inch Pot Stock:

Prices per 100.

Marie Van Houtte, $2.25	Christine de None, $2.25
Duchess Brabant, $2.25	Marie Guillot, $2.25
Purple China, $2.25	Mrs. DeGraw, $2 25
Clothilde Soupert, $2.25	Yellow Soupert, $2 25
Mamau Cochet, $2 25	White Maman Cochet, $2.25
Mme. F. Kruger, $2.75	Crimson Rambler, $2.75
Meteor, $2.75	Golden Gate, $3.00
La France, $3 00	Kaiserin, $3.00
Gruss au Teplitz, $5.00	

Also 30 other varieties and **Miscellaneous stock.** Send for list.

2-year old **Crimson Ramblers** from 4 inch pots, $8.00 per 100.

Per doz.
Large Compacta Ferns, from 8 inch pans..$6 00
Large Boston Ferns, from 10 inch pans.....10.00

NATIONAL PLANT CO., Dayton, Ohio.
Mention the Florists' Exchange when writing.

ROSES

	2½ inch Per 100	1000.	3 inch Per 100	1000
Brides	$3.00	$25.00	$5.00	$45.00
'Maids	3.00	25.00		
C. Soupert	3.00	25.00	5.00	45.00
Meteor	3.00	25.00	5.00	45.00
Mosella	3.00	25.00		
Mme. Chatteneux	3.00	25.00		
Am. Beauty			8.00	75.00

MIXED JARDINIERE FERNS

Mostly Pteris varieties,
$3.00 per 100; $25.00 per 1000.

ASPARAGUS SPRENGERI

2½ in., $4.00 per 100; $35.00 per 1000.

ASPARAGUS PLUMOSUS

2½ in., $6.00 per 100; $55.00 per 1000.

J. B. HEISS, The Exotic Nurseries, **Dayton, Ohio.**
Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00.
Payable in advance. The date on the address label indicates when subscription expires.

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When notifying the publishers to send the paper to a new address, give both old and new addresses.

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Special positions extra.
No advertisement less than 75 cents.
Discounts on continuous advertising.
For rates, on Wants, etc., see column for classified advertisements.
Copy must reach this office not later than Thursday in order to secure insertion in issue of the following Saturday.
Orders from unknown parties must be accompanied by cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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The judges' decision in the Photgraphic Competition for June will be announced in next week's issue.

The new rule of the Pennsylvania Horticultural Society to the effect that winners of first prizes and silver medals at one meeting of the society tell at the next how they grew the prize-winning subjects, is working admirably, many valuable hints being obtained by those interested.

The book written by Mr. George W. Oliver, and published by the A. T. De La Mare Ptg. and Pub. Co., Ltd., is announced as being ready for delivery July 18. As the book progressed and its contents expanded, the title under which it has been advertised, "Commercial Plants," was not deemed sufficiently inclusive to cover the mass of information it contained, hence the title has been altered to that of "Plant Culture," under which name it will hereafter be known. See advertisement in another column.

PRIZE COMPETITION

COMMERCIAL HOME GROUNDS

Arrangement, Planting and Maintenance

The publishers of the FLORISTS' EXCHANGE, firm in the belief that the home surroundings of America's multitudes can only be made beautiful through force of example, and that these examples must be set and maintained by the florists and nurserymen themselves, and, further, that the more attractive and numerous these examples become the more prosperous will be the business of the industries this paper represents, have instituted the following competition:

Class A—Unimproved Grounds
Prize, $10.00

Any fully paid-up subscriber to the FLORISTS' EXCHANGE, the professional landscape architect and engineer and landscape gardener excepted, may forward a plan of his grounds as they now stand, together with a full and definite statement of existing conditions and requirements. This preliminary plan to be accompanied by a second one, drawn to the same scale, showing subscriber's own ideas as to the proposed improvements in arrangement and planting which he intends to put into effect.

All plans received in Classes A and B will be submitted to Mr. Warren H. Manning, of Boston, Mass., landscape architect, who will pass upon same and offer such suggestions and criticisms as will, in his opinion, add to the value, harmony and effect it is desired to bring about in the subscriber's surroundings. The best plans will then be published in the FLORISTS' EXCHANGE for the benefit of those interested in the planning and maintenance of attractive commercial grounds. All competitors in Class A will be eligible to compete in Class C in the year 1901.

The institution of Class A is intended to arouse an interest among those who have not hitherto given much attention to their own home surroundings, and the absolutely free and eminent professional advice which the FLORISTS' EXCHANGE now tenders its subscribers on this important subject should result in very many taking advantage thereof.

Class B—Improved Grounds
Prize, $25.00

The FLORISTS' EXCHANGE offers a prize of $25 for the present best laid out and planted commercial home grounds and complete description thereof as they stand. Successful competitor must supplement the plans of his grounds by photographs to be taken in June, July or August, to prove correctness of statement. (Or the testimony of two expert witnesses will answer.)

In making the prize award for Class B, natural advantages of any one competitor's ground will not be taken into consideration as against another competitor whose grounds are not so well adapted to effect; in other words, judgment will be pronounced on the best use made of existing surroundings.

Class C—Grounds Improved in 1900
Prize, $35.00

Competition in this class will be restricted to competitors in Class A in 1900. No awards can therefore be made in Class C until the Fall of the year 1901, at which time the above substantial cash prize will be awarded that competitor who has displayed the most skill and care in the laying out and maintenance of his grounds, working on his own plans and such professional advice as may have been tendered to him. The award will be decided under the same conditions as govern the competition in Class B.

All pertinent questions on these competitions will be answered through these columns, or privately, as the case may be.

Intending competitors should make themselves fully informed as to all conditions (herewith printed) before proceeding with the work.

CONDITIONS

All plans must be drawn to a scale of one-eighth inch to the foot.

Use black ink only, as plans will be photographed directly from competitor's copy.

Competitors must work on the sectional drawing paper and material which will be furnished, free, on application to the FLORISTS' EXCHANGE.

The FLORISTS' EXCHANGE will also furnish a printed sheet of instructions (Directions for Making Surveys) showing the signs and characters to be used indicating a tree, a shrub, flower beds, groups, lawns, boundaries, fences, greenhouses, dwelling house, etc., etc.

Use figures (1, 2, 3, 4, 5, etc.) to indicate nature and composition of planting, the plantings indicated by said figures to be given in full in the descriptive text.

Plans drawn out of scale, or executed in an unworkmanlike manner, will not receive any consideration. By this we do not mean that we expect to receive as good plans as those which would be drawn by professionals, but we want plans good enough for publication without having to be redrawn by a professional.

Competitors in Class A, in order to get the benefit of professional advice for this Fall's planting, should send in their plans as early as possible.

The competition in both Classes A and B will close October 31. Decisions will be given as soon thereafter as is practicable.

While the publishers will recognize all merit shown, they will not commit themselves to a prize award in any class unless there are at least five competitors in said class.

Drawings must be mailed in a tube and fully protected against being cracked or broken in the mails. Address all communications,

Publishers FLORISTS' EXCHANGE,
P. O. Box 1697, New York City.

Home Grounds Competition.

New York's Plant Market.

There is perhaps no greater stigma resting on the City of New York to-day, from the standpoint of the florist, than the very inadequate, in fact one might say almost total lack of provision made in the matter of a suitable market building within her borders for the disposal of plants and flowers. Ever since the plant business assumed any proportions in this city, dating back over a period of fifty years, the cry of the grower for a market building in which to sell his products has remained all but unheeded up to the present time.

The history of the plant markets of New York—for there have been several—clearly demonstrates that, to the powers that be, the florists' industry has not appealed in its proper light, and "any old place" has been considered good enough for the plant grower to stand around in.

Street corners whereon to station his plant-laden wagon—for a consideration—were his primal lot, necessitating leaving his home the night previous and camping out all night in the open air in order to secure a coign of vantage for the opening of the coming day's business. Subsequently the "triangle" at foot of Canal street became his stamping ground, considered an improvement on previous conditions, though still demanding the same method of procedure to obtain advantageous selling positions. A step still further in the line of progress resulted when Union Square plaza became a plant market place; but its inappropriateness as such seemed to be testified to by its total abandonment by the florists. Two years ago the Bureau of Markets came to an arrangement with some of the plant growers selling in this city, whereby stands were rented for the disposal of stock in the Clinton Market, Canal and Washington streets. But the old, ramshackle structure was unable to withstand the fury of our present day elements, succumbing to their force, and it is now unfit for occupancy for plant-market purposes.

The Controller, on being approached on the subject last week, gave a promise to look into the matter, with a view to putting the building in a habitable condition. That, however, in our opinion, is not enough. What is needed is a structure erected or secured in the most suitable location, commensurate with the importance of the business, which reaches into the millions of dollars annually—a building that will draw to it the now scattered marketing branches of the florist trade and one that will be truly representative of the high degree of refinement and elegance reached by our citizens, as typified by their interest in floriculture.

And while we attribute to the authorities a misconception of the florist industry both as regards its moral influence and its extent as a commercial factor, and blame them for the neglect of its needs in the line of fitting market accommodation therefor, there is no question that the prevailing conditions are largely due to the market florists themselves. These men, lacking unification or unanimity of desire along these lines, have really frustrated the efforts made by those who sought to assist them, and whose reward has been a thanklessness tinctured with abuse.

If New York is to have a flower and plant market building worthy of the name the initiative to secure such must be made and supported by the whole plant and flower growing interests tributary to the city. There must only be one opinion on the subject, viz., that we need a market and must have it—and the various organized bodies should throw in their whole influence to obtain it.

The resultant benefits to the trade of such a building are too well known to admit of question; we need only cite Cincinnati's plant and flower market as a case in point and its influence on the great development of the business there.

That New York, the first city of the Union, should, in this day and generation, be without an adequate structure for a plant and flower market is appalling, and an eloquent tribute to the inertia of her florist merchants, as well as to the indifference of her municipal authorities to the preservation and furtherance of a great moral, refining and elevating factor in the midst of us.

Early History of Seed Trade in America.

The history of the development of the seed business of the country is one of the most interesting chapters in American horticulture. From small beginnings in the later colonial period the business has grown so that to-day its value is measured by the tens of millions. Carried on at first in small shops, where a few boxes of seeds shared a corner with codfish or a shelf with calicoes or books, it has come to claim for itself immense warehouses and business establishments whose interests extend to every portion of the globe. The trade has grown with the growth of the country; and its leaders have influenced popular taste for good vegetables and fine flowers, creating and stimulating a demand which only their enterprise could suffice to meet.

When the Pilgrims landed on the rocky shores of Massachusetts they brought with them seeds of the plants they had cultivated in their English and Dutch homes. Their first care was to secure the necessaries of life; corn, barley and peas were planted and fruit trees set out. The early records of horticulture are almost entirely devoted to the discussion of fruits, the introduction of improved varieties of apples, pears and plums occupying a much larger share of attention than the improvement of vegetables. The latter were, however, only second in importance to Indian corn. William Wood gives a list of vegetables grown in New England before 1633, and adds "whatever grows well in England grows as well there, many things being better and larger." A century later there is a distinct reference to saving garden seeds. Justice Dudley, of Massachusetts, writing in 1733, says "an onion set out for seed would rise to 4 feet 9 inches, and a parsnip would reach 8 feet." Some agricultural seeds were certainly raised, and they formed an article of commerce as early as 1747. In his interesting book on "Farm Husbandry," the Rev. Jared Eliot has much to say about clover, and in the first essay published, 1748, he urges the liberal use of seed because an acre of clover will produce two bushels of seed worth 35 pounds, "Old Tenor." (The colonial currency was of three values, and was known as "Old Tenor," "Middle Tenor," and "New Tenor," the

"Old Tenor," was below par, but the rates varied in different colonies.) That clover seed was not abundant, however, is shown by the high price and the fact that in 1773 James Vaux, of Pennsylvania, imported some from England, because it was difficult to get in America. In 1787 Vaux, in a paper before the Philadelphia Society for the Promotion of Agriculture, advocated a bounty on clover seed in order to encourage its use by reducing the price.

The first record of seeds for sale that the writer has been able to find is in the Newport, R. I., Mercury of 1763, where Nathaniel Bird, a book dealer, advertised garden seeds just arrived from London. Connecticut-grown onion seeds early acquired more than a local reputation. In 1764 Gideon Welles, "on the Point," announced in the Newport Mercury that he had some choice Connecticut onion seed for sale. Other advertisements ran through the following years, among them one by Charles Dunbar, gardener. We get some idea of the prices of seeds from Dunbar's advertisement of 1767, where the following are given: Peas and beans, 30 shillings per quart (the value of the currency had fallen so low that in 1759 it required 2,300 pounds in currency to equal 100 pounds sterling; these conditions were only beginning to improve in 1767); Strassburgh onions and orange carrots, 25 shillings per ounce; early cabbage, 40 shillings per ounce, and "colliflower" 6 pounds per ounce. An N. B. informs us that "said Dunbar has to sell a great variety of flower seeds."

In New York City hemp and flax seeds were advertised for sale at least as early as 1765 and garden seeds in 1776. In that year Samuel Deall, a dealer in general merchandise on Broad street, opposite the end of Weaver street, kept "a general assortment of seeds," many of which he names, including red clover, grass, and "Saintfoine" for improvement of land.

In the New Hampshire Gazette field seeds were advertised as early as 1766 and garden seeds in 1770. But Boston was the chief city for the sale of garden seeds, as it was the commercial center of the time. In the Boston Gazette of 1767 six out of 26 advertisers were dealers in seeds. Some of these did not advertise other goods, but it is doubtful whether they were seed dealers exclusively. In the Spring, when these advertisements appeared, the trade in seeds was probably more important than any other branch of their business. Some of these dropped out and others appeared in later years, but several advertised regularly each year until 1773. William Davidson, the gardener in Seven Star lane, offered in 1768 seeds of 56 varieties of vegetables and herbs, and of one flower, the carnation. Some of his prices were as follows: Lettuce, 3 to 4 pence per ounce; cabbage, 9 pence to a shilling were ounce; cauliflower, 3 shillings per ounce; carnation, 4 shillings per ounce. Most of the other vegetable and herb seeds ranged from 2 pence to a shilling per ounce; peas, Early Golden Hotspur and Early Charlton, were worth 24 shillings the bushel or 10 pence per quart. Davidson dealt in seeds wholesale and retail for cash.

The War of Independence, interrupting as it did the regular channels of trade, interfered with the importation of seeds, and the few garden seeds offered during this time were either imported from Holland or were taken from prize ships. Immediately after the war there was a revival of the trade in seeds, and in 1784 John Adams, Susanna Renkin, and Susanna Martin all advertised seeds just imported from London. These advertisements, however, soon after ceased, and in 1790 John Adams advertised for the last time in the Boston Gazette. It is not to be supposed that the absence of advertisements indicates the total cessation of the trade in seeds. This either flowed in other channels or the traders lost enterprise. But with the advertising habit well formed as it was prior to 1770, the total absence of advertisements of seeds for sale indicates an unhealthy condition of the trade.

In Philadelphia and New York seeds were but little advertised, whatever the trade may have been. In Philadelphia in 1772 Peleliah Webster sold clover and duck grass seed, and 1775 James Longhead made known to the public that he kept "a quantity of the largest kind of colly-flower seed, found on trial to be extraordinary good." In 1775 David Reid, who styled himself "Gardener and seedsman," advertised seeds for sale at his stall at the courthouse, and in 1781 purchasers were advised that flower seeds and seeds for the kitchen garden, "imported from Holland, can be procured next door to General Philip de Haas, in Third street, near Race street."

During the remaining years of the eighteenth century the papers contained few advertisements of seeds, and we can trace no connection between dealers of pre-Revolutionary times and those of the opening years of the nineteenth century. It is not probable, however, that there was a time when seeds could not be bought in any of the large towns. The people were fond of gardening, the population was rapidly increasing and there is no reason to suppose that the demand for garden seeds was less than before the war. This demand was doubtless partly supplied by the market gardeners, one of whom, David Landreth, established himself in Philadelphia in 1784, and engaged in the market gardening, nursery, and seed-growing business. The last was at first of small importance, and for many years the nursery occupied most of his attention. Seeds were almost entirely imported, and American gardeners had yet to learn that seeds could be as well grown here as in England. In spite of this, however, the seed business seems to have increased in importance until, in 1848, David Landreth, Jr., sold the nursery and became exclusively a seed grower and merchant.

One of the first seedsmen of the present century was Bernard M'Mahon, gardener, seedsman and author, who in 1800 opened a seed store in Philadelphia. Fortunately, we have a description of his store, which throws light on the condition of trade at that time:

His store was in Second street, below Market, on the east side. Many must still be alive who recollect its bulk window, ornamented with tulip-glasses, a large pumpkin and a basket or two of bulbous roots. Behind the counter officiated Mrs. M'Mahon, with some considerable Irish accent, but a most amiable and excellent disposition, and withal an able saleswoman.

Mr. M'Mahon was also much in the store, putting up seeds for transmission to all parts of this country and Europe, writing his book, or attending to his correspondence, and in one corner was a shelf containing a few botanical or gardening books, for which there was then a very small demand; another contained a few garden implements, such as knives and trimming scissors, a barrel of pease, and a bag of seedling potatoes, an onion receptacle, and a few chairs, and the room partly lined with drawers containing seeds, constituted the apparent stock in trade of what was one of the greatest seed stores then known in the Union, and where was transacted a considerable business for that day.

In the Fall of 1805, Grant Thorburn began to sell seeds in New York, and subsequently built up a substantial business. During the next quarter century seed stores were opened in Baltimore, Boston and Charleston, S. C., as well as in Philadelphia and New York, and there was a considerable trade in Shakers' seeds. These Shakers' seeds were popular as early as 1818. They were sold by regular dealers, and were peddled about the country in the Shakers' wagons. The population of the United States had increased from a little more than three millions of whites in 1790 to ten and a half millions in 1830. In 1790 this population was practically confined to a narrow strip along the Atlantic seaboard. Forty years later it had overflowed into the rich valleys beyond the mountains.

To meet the growing demand for vegetables and flowers these ten and a half millions required more than three and a half times as many seeds as were used in 1790. Dealers established themselves in the principal cities and crossed the Alleghenies in the rear of the wave of settlement that swept into the Ohio Valley. The large cities became centers of distribution for the surrounding country, but the trade remained essentially local, though the larger houses did a wholesale business and supplied country dealers with their stocks, put up in packets for the retail trade. But transportation was slow and expensive, and the modern development of the postal service was as yet undreamed of. The amount of seed sold in Ohio at this time was insignificant. Mr. Parsons Gorham, a grocer and seed dealer in Cincinnati between 1827 and 1831, seldom carried a stock of more than 50 bushels of grass seed, and when in 1831 S. C. Parkhurst opened a seed store, he sold in one year not more than 600 bushels of timothy and clover seed, while before the end of ten years his trade had increased to 6,000 bushels. Seed houses were opened in Mobile and New Orleans, and in 1844 William W. Plant began the sale of farm tools and seeds in St. Louis.

While most of the trade between 1820 and 1850 was local or wholesale to country dealers, a change took place with the advent of the locomotive. The larger houses reached out for wider fields, made accessible by the railways, and new firms sprang up in every city of considerable size. Locomotives were unknown in the United States before 1829 and were scarcely used before 1832. At the end of 1835 there were 1,098 miles of railway in the United States; in 1850 the total mileage was 9,021, and in 1860 it was 30,635.

This rapid increase in the railways not only opened up a vast and flourishing country, but facilitated transportation in the East and made possible the immense development of the mail trade. The mails brought the seedsman to every door; a letter brought a catalogue, and a few cents paid the postage on an order of seeds. The changes in the rates of postage and the regulations of the post office have at times helped or embarrassed the trade; but, though cheap postage has stimulated, higher rates have never checked the growth of the business.

A. J. PIETERS.

In Year Book Department of Agriculture for 1899.

The "Lawson Pink" is again securing some daily newspaper notoriety. This time the plant has been sold to the Khedive of Egypt.

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Aquatic Gardening.

Extracts from Paper read by Walter Retzer before Chicago Florists' Club.

(Concluded.)

HEATING.

Through the numerous varieties of water plants at our disposal it will readily be seen that the few years of attention that have been given to the culture a great number of distinct and beautiful kinds have been produced.

A pond can be artistically planted with nothing but these hardy plants, and the use of them is to be especially recommended to those who have but limited areas, no greenhouses or other suitable place to keep the more tender varieties through the Winter, and those who have but little time to devote to the aquatic garden, and the care which the more tender varieties naturally require. But even those who have but a small part of their surroundings devoted to aquatics, and have their residence heated with either hot water or steam, will be able to enjoy the lovely nymphæas of the sunny South, by simply laying a branch from the main heating plant to the pond where it is desired to grow these favored plants.

If a lake or a pond of considerable size is on the ground, or near at hand, the work can be commenced at once. At the surface of this body of water have a sufficient number of pipes that will supply the amount of water lost through drainage. This water is conducted to another pond of smaller dimensions than the preceding one. This in turn must be quite deep in one part with a large shallow arm in the other. From the deep part of this pond, but at the surface, have the pipes which lead into the pond where you wish to grow the tender nymphæas.

The surface water of the large pond is heated during the day by the sun. This warmed water is carried away by the pipes, they being near the surface, into the next pond and enters it in the deepest part. The large shallow arm would become heated to quite a high temperature were it not for the deep and large body of water at the other end. As the water becomes heated it naturally intermingles with the cooler water of the deep basin, thus raising the temperature of this body considerably. With plenty of fish in the water this will be accelerated. From the deepest part of the second pond, midway between the place where the pipes of the first pond enter it, and the shallow arm or branch, but about 2 inches below the surface, is where we have to locate the pipes that supply the water to the main pond. The reason for placing the last pipes where I have outlined is that if they are placed either near the opening, where the pipes of the large pond enter, or near the arm, the warmest part of the water would enter into the main pond. This would take away the heated water nearly as fast as it runs in. The water cooling off during the night would bring about too great extremes of temperature, a thing that must be avoided. By placing the pipes several inches below the surface we shall receive not the warmest water, but some that will remain at a certain temperature longer than the other. A seedling of the Victoria regia was grown in a similar manner successfully in Tower Grove Park.

The heating of a pond by artificial means is but recent, and I may safely say since the queen of water lilies, the Victoria regia, has come to our notice, have the ways and means been found to heat a pond to grow this native of the Amazon. As this is about the only plant that is worth the trouble and the expense of heating a pond, I shall make but a few notes of the best way this can be accomplished:

Where either steam or hot water is used for greenhouses, or a residence, a sufficient quantity of pipes must be laid to heat 600 square feet of surface, as this is the amount of space a full-grown Victoria requires. Of course, where it is wished to grow more of these queenly flowers, more piping will be necessary, and the amount will vary with the locality. Four flows, using 2-inch hot water pipes, which will act as returns, are sufficient in this latitude. It is essential to have some sort of inclosure in which the Victoria is grown to keep the water from intermingling with the rest during the early part of the season.

In the course of time the heating of ponds will be totally abandoned, as seedlings of the Victoria will in future be as hardy an annual as any other aquatic.

Certainly more care must be taken in planting out, not venturing to do this before the nights are quite warm. Further details as to culture will be mentioned later.

PLANTING.

Probably this is the simplest as well as the least troublesome part of aquatic gardening. Plants which are to be potted into tubs need thorough drainage, and must have the soil well packed, though not tightly, to prevent it washing out. The size of the tubs varies according to the requirements of the plants. Spread the roots carefully and cover them with from three to four inches of soil. The process frequently practiced and even recommended by some of placing the tubs into the pond first is ridiculous. The ease with which tubs of considerable size can be moved in water should never induce any one to go to the trouble of first having the tubs, then the soil, and lastly the plants, carted to the pond. Pot the plants where all the potting of the season is carried on, where pots, tubs, soil and other required material is at hand. After several tubs have been planted cart them to the pond where they can be immersed anywhere for the time being. If the ponds are covered with a layer of gravel or sand the discoloration of the water caused by entering will be slight. Even if the water becomes muddy, in a few hours it will be as clear as a crystal. It is quite necessary to place the plants into water immediately, or as soon after as convenient or possible, for if exposed to the action of the sun's rays for some time the result may be injurious and in some cases prove fatal. If the plants are to be taken some distance give them a good watering before taking them away.

Where the planting is carried on in the open ground, a plank may be laid across, if the pond be small, thus saving the trouble of wading about in rubber boots. The plants must be well set and the roots well covered and even weighted down with something if necessary, to keep the plants from rising to the surface. If the foliage is completely immersed it matters little, as the leaves will soon put in their appearance at the surface.

The time of planting varies with the locality, the tender varieties not being planted out before the weather has become settled, unless the pond is heated, when the operation may be begun as soon as the frost leaves the ground or Spring planting in general commences. All plants may be started in suitable frames or greenhouses, thus bringing forth the flowers a few weeks earlier.

BORDER DECORATION.

More stress upon this branch of aquatic gardening should be laid than is generally done, for much of the beauty of a pond would be marred by a badly kept or poorly decorated border. It would be like a beautiful bed with carefully selected plants, with weeds several inches high for a border, instead of a neat plant or a well finished lawn. It not only enhances the completion of the pond, but a certain beauty may be added to it. Just as the colors of acalyphas when used as border plants or intermingled with crotons will tend to heighten the colors of the latter, so does a good border tend to heighten the beauty of the pond.

One of the greatest mistakes too often made is the planting, or rather placing, of some, in appearance, artificial piece of rookery upon which bamboos and the like are planted. Who ever heard of bamboos, cyperus or some other rush growing upon rocks. Nothing would be more pleasing than a bit of natural rockwork over which the little forget-me-not or the lysimachia are creeping, flushed here and there by the water as it enters from the supply pipe. A bridge, even of rustic design, gives the place an artificial appearance. Have a bridge where one is requisite, and let that be a durable one. If nicely made it may add to the beauty of the surroundings instead of the contrary. Fountains are out of place unless the pond and the surroundings are artificial or symmetrical. Simplicity, harmony and beauty are the three great things we must strive for, and when these are attained we may rest assured that the sought-for end has been accomplished.

To lay down rules which govern the planting and selection of border plants is difficult, as no two ponds are alike or enhanced by the same environments. The rules laid down in landscape gardening also apply to this and must be followed if success is to be attained. The planting of a border depends much upon the surroundings, and unless the place is large the rules mentioned before will apply.

If it can be avoided never have a gravel walk leading around the pond. The effects of beautiful foliaged border plants are completely broken down by the yellow gravel. A lawn in perfect condition up to the very edge of a large pond will give the most pleasing effect when broken up here and there by the border plants. A gravel walk leading in front of the pond is not a disadvantage, and no harm is done in having one. Let it approach, not in a direct way, that is, having a right or oblique angle with perfectly straight lines, but let that walk be carefully selected, as the effect produced upon one approaching the pond must be most favorable.

If the pond is large and the surroundings in proportion, and more than one point, so to say, reaches the climax, have the curves of the walks just touch upon these points. To one passing, the whole would seem as a panorama, one beautiful view is lost and another appears. This is the effect most sought for in landscape architecture and is what we must strive to reproduce, even in the planting of a pond. If there is but one point upon which our eye can feast it soon grows monotonous and tiresome. Each step we take must bring something new to our view, and each view should be distinct in itself, but the whole gradually leading up to the point where the greatest beauty is attained. If the intermediate changes did not exist the stepping from the poorer to the higher form of decoration would be too great, and the height of the latter would be considerably reduced.



View of Interior of Store of John C. Hatcher, Amsterdam, N. Y.

Where, as in parks, the place is well planted with trees and shrubbery, great care must be exercised, as through injudicious planting a pretty view would be lost, while if the work be done carefully much beauty would be added. The fact that there are large trees and shrubs on the place and about the water gives the whole a more natural appearance.

INSECTS AND ENEMIES.

Of the numerous insects that are injurious to aquatics none can be said to be troublesome if a sufficient quantity of fish are kept in the pond. Besides the beauty which the little gold fish add to the pond they are invaluable. Frogs, as beneficial as they are in preventing the increase of insects, ought to be done away with as soon as possible. In addition to feeding upon the gold fishes they ruin the foliage. It is not uncommon to see a beautiful tender leaf of a Victoria with a hole in it, caused by these creatures as they leap upon it. Water rats and musk rats are about the most injurious. The damage done to a pond before their presence is detected is often great, frequently causing the destruction of the entire pond. In a granitoid pond we need not fear them, for to dig through the hard material is impossible. As soon as they are detected make war against them, and do not give up until every one is killed. Trapping is the best way in which this can be done, unless one is a good shot with the rifle. Mice will frequently devour the tubers of the nymphæas and nelumbiums if nothing else is at hand. Turtles are the greatest enemies to aquatic gardening in the large natural ponds. They feed upon the young shoots of all plants.

Besides having members of the animal world to combat with we have to put up with a few enemies of the vegetable kingdom. Of these the green slimes and other algæ are the most formidable, sometimes completely choking up all other inhabitants. These can be fished out with a rake or wire net. There is no way to prevent these pests growing, as the spores are in the soil. Strange it may seem, but a fact it is, that a large quantity of fishes of the German carp and the black bass will completely cause the disappearance of this pest. A large pond in Tower Grove Park, St. Louis, out of which annually cartloads of this algæ were taken, was entirely freed of this nuisance in a year by the fishes.

There is a leaf roller that attacks the leaves of the nelumbiums, but can be eradicated by the use of hellebore put on in the morning while the foliage is damp with dew.

If diseases of any kind appear the timely use of the Bordeaux mixture will prevent any further trouble.

SEEDS.

The saving of seeds becomes quite necessary, as plants like the Victoria regia and a few others must be treated as annuals and propagated by seeds. After fertilization has taken place and the flower is again under water, tie a piece of wire netting securely around the flower. This will prevent the scattering of seeds after maturity. Never use cloth, as it prevents the free circulation of the water, and frequently rots before the seeds are ripe. Seeds after maturity are to be kept in water at a low temperature, or moist sand, through the Winter.

The saving of seeds is only necessary with the Victoria regia and its varieties, Euryale ferox and Nymphæa zanzibarensis. Though all of these plants are perennials in their native countries they must be treated as annuals and seed sown every year. If the tuber of Nymphæa zanzibarensis could be ripened or matured it would not be necessary to go to all the trouble, but being a truly tropical plant and in full vigor when the first frost comes it is unable to mature.

If the seeds of the nymphæa are allowed to fall upon the soil they will begin to germinate and produce plants the same year. These may be taken, potted and immersed in the water until Fall, when they should be taken up and cared for in a suitable cool place during the Winter.

The seeds of the Euryale ferox, if left upon the ground, will germinate the following Spring, and the young plants may then be put wherever wanted.

Sow seeds of the Victoria in February, or early March, in water kept at a temperature of 85 to 95 degrees. As the plants become large pot them on, until the time is at hand for planting out.

PROPAGATION.

Nymphæas may be reproduced in two ways—by seed, if any are produced, and the division of the rhizome. Varieties are not true to seed, and many unique hy-

brids are produced by the planting of them. Seeds of most all germinate rapidly and flower the same season. The division of the rhizome is the most practical way, and the only one through which varieties may be kept true.

It is quite impossible to give here a list of hardy and tender aquatics and border plants, as some that prove perfectly at home here require protection further North, and those that are treated as tender varieties in the North become troublesome weeds in the South. For those not acquainted with the plants it is best to refer to some reliable nurseryman or florist in their vicinity.

A Provincial Retail Store.

Nothing marks more the real progress of the florists trade throughout the country, than the elegance of the retail stores that are springing up in provincial towns. A good example of the ornateness of these structures is seen in our illustration, which is reproduced from a photograph of the store of John C. Hatcher, Amsterdam, N. Y., kindly sent us by the proprietor.



Insec s and Diseases.

Unquestionably the most persistent insect that bothers the chrysanthemum grower is the black fly. Day in, day out, he works faithfully on, fulfilling the biblical injunction to increase and multiply. Regular fumigations once a week seem to be the only way to keep down this pest.

The green fly, in some respects, is worse than the black one, because it keeps on the very smallest and most delicate leaves, and disfigures them sadly if not cleaned out in good season. The very finest tobacco dust, sprinkled on the plants in such a way as to get right down into the points, we find to be the best remedy. Fumigating does not catch them nearly so readily as it does the black fly.

There are several kinds of thrips that are a source of annoyance. At this time of year they merely disfigure the foliage, but if allowed to stay until the flower develops they make a nasty mess of the petals. A frequent spraying with tobacco water helps to make life unpleasant for them.

The army worm some seasons is a perfect pest. He has a voracious appetite and believes in indulging it to the fullest extent. He will bore through a bud and cut off every petal as cleanly as if it had been cut with a knife. Hand-picking is the best method of disposing of this fellow.

The grasshopper has his little fling also when his season comes round. He always selects the nicest shoots and buds for his meals, believing, I suppose, in living on the best of everything.

The caterpillar also gets free board from the chrysanthemums, and the only sure way of getting rid of him is to pick him off and crush him under foot.

These insects represent the bulk of the troubles and trials of the chrysanthemum grower, and to be a successful cultivator you must closely keep track of them, from the time the plants are put out till the flowers are cut.

Diseases.

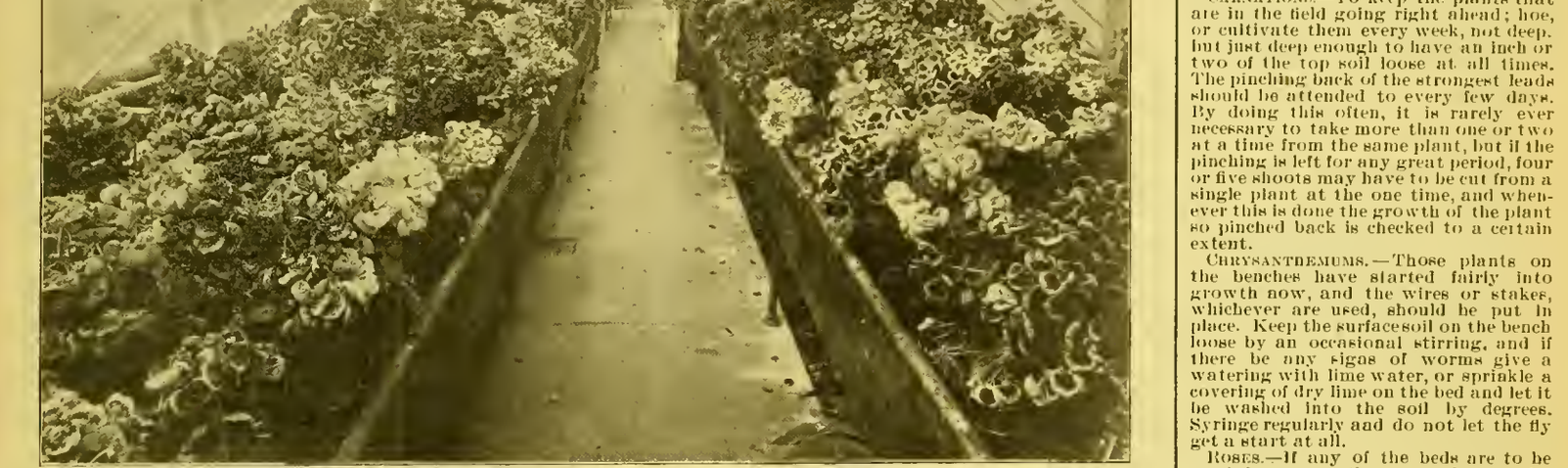
The worst disease by far is the rust. It was not troublesome in America until 1897, but now seems generally distributed. It is claimed that this disease is distinct from the carnation rust, though there seems a striking similarity to the ordinary lay mind between the two. We have practically escaped this disease so far by keeping close watch on the new plants introduced to our collection, and throwing away, or burning, every one that showed traces of rust. Many of our friends have not been so fortunate.

We have never seen a bad attack of rust on plants grown inside, where the atmospheric conditions are under control, but plants outside are nearly always struck with it, sometime during July or August, if the weather is wet for a day or two. The obvious moral of this is: Don't keep your plants inside too wet and don't crowd them on the benches. Have the benches well drained so the water can pass away freely, and if your stock was clean when you planted it, the rust will not be troublesome. It is too late to do much good by spraying after the rust has appeared, but a good preventive is to spray with a solution of potassium sulphide at the rate of 1 oz. to two gallons of water.

Leaf spot is generally caused by the benches being poorly drained and the soil consequently keeping wet and soggy after watering. Where leaf spot is troublesome keep the plants well on the dry side, and get all the air possible circulating through the house.

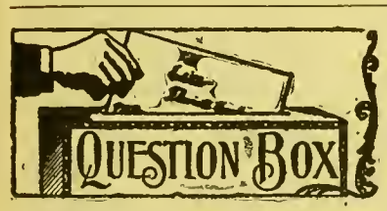
Mildew, while quite common, is not feared to any extent, because it is comparatively harmless, and is easily kept in check by the use of sulphur. Golden Wedding easily ranks first as the variety most susceptible to this trouble.

IORA.



House of Calceolaria Hybrida, grown by Wm. Kleinheinz.

(See page 639, last week's issue)



(138) **Fluid for Preserving Fruits**—Please give receipt for best and latest fluid for preserving fruits of all kinds. I want something that will keep the fruit, for sample, in its natural color and which is not too expensive but reliable.—J. N. WILSON, Texas.

—I have made many experiments and have tried many different recipes for preserving berries and other fruits in their natural form and color. I found the best solution was pure alcohol diluted one-half with distilled water. With gooseberries, currants, cherries and white and yellow raspberries the result was entirely satisfactory, but with strawberries and red raspberries more or less of the coloring matter of the fruit would be extracted and discolor the liquid. I spent as much as five years testing and experimenting with different preparations as stated above, found the solution of one-half alcohol and one-half distilled water the most satisfactory.—J. T. LOVETT, Little Silver, N. J.

—I should think that a strong solution of salicylic acid in alcohol, then reduced with water, would keep the fruit all right.—E. GREINER.

St. Louis.

Trade Items.

Business is very quiet here; little stock is coming in, and that of poor quality. Roses are very scarce, that is, those that can be used; most of them are too poor to do anything with. They sell at from 2c. to 5c. Carnations bring 1c. to 2c., with a moderate supply. Sweet peas realize 15c. to 25c. per 100, these with a few Asmenes are about all there is in the market.

News Notes.

Henry Berning has returned from a business trip to Western Missouri and reports things in a better condition, as regards supply, in Kansas City than here. The trade there has done a good business the past Spring and seems to be prosperous generally. George M. Kellogg, of Independence, Mo., will add to his present large plant three houses, each 30x250 feet—two for Beauty and one for carnations. Mr. Berning says the Kellogg place is in splendid shape and we are proud of the fact that our state can boast of at least one up-to-date, large cut-flower growing establishment.

Geo. Waldbart has renewed his lease on his present location, and will tear down the structure now there, and build a larger and better one, at a cost of about $2,000. Thompson, Anderson & Kennedy, our local greenhouse builders, have the contract.

The committee in charge of the show for next Fall is holding meetings quite often now, and trying to fix things up so we can have an exhibition and still not lose money, as has been the case the past two years. The committee asks the co-operation of the craft of the city in their efforts in this direction.

The picnic committee will hold a meeting this week to fix time and place for the next outing.

The next meeting of the Florists' Club takes place on the 12th. Nomination of officers for the ensuing year will occur, and it is hoped and expected that a large and old-time gathering will result, especially as we have just learned that the big strike is over, and will no longer interfere with transportation facilities.

There is some complaint of the growth of field carnations this year. Notwithstanding an abundance of rain—a little too much if anything—they do not seem to be making the growth they ought to, being inclined to be uneven and rather backward, and not as good as last year.

. C. C. S.

Newport, R. I.

Messrs. Lord & Burnham Co., New York, have secured the contract for the removal of the present range of glass at E. J. Berwind's to the lot recently purchased, and the erection of an extensive range of new houses.

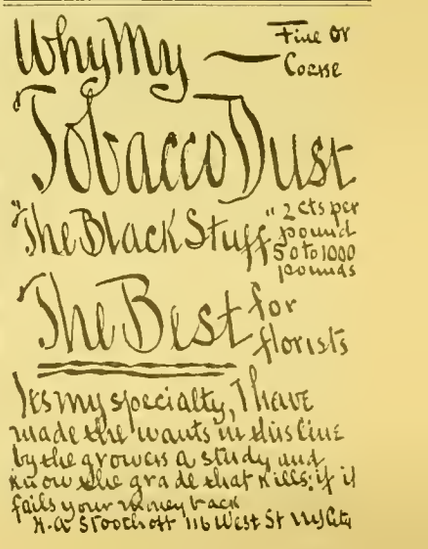
MAC.

BRIEFS FOR BUSY FLORISTS.

CARNATIONS.—To keep the plants that are in the field going right ahead; hoe, or cultivate them every week, not deep, but just deep enough to have an inch or two of the top soil loose at all times. The pinching back of the strongest leads should be attended to every few days. By doing this often, it is rarely ever necessary to take more than one or two at a time from the same plant, but if the pinching is left for any great period, four or five shoots may have to be cut from a single plant at the one time, and whenever this is done the growth of the plant so pinched back is checked to a certain extent.

CHRYSANTHEMUMS.—Those plants on the benches have started fairly into growth now, and the wires or stakes, whichever are used, should be put in place. Keep the surface soil on the bench loose by an occasional stirring, and if there be any signs of worms give a watering with lime water, or sprinkle a covering of dry lime on the bed and let it be washed into the soil by degrees. Syringe regularly and do not let the fly get a start at all.

ROSES.—If any of the beds are to be carried over another year do not let them dry down too quickly. The drying off is really a gradual ripening process, or, rather, it should be, and to discontinue watering suddenly is not ripening by any means; 'tis only crippling the plants by stopping their growth and making them totally unfit to depend upon for another year. The water should be withheld gradually, and at no time should the wood become shriveled for lack of it. Syringing should be done occasionally; it will help to keep the plants clean, besides maintaining the wood in a good, hard condition.



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Consignments of Novelties and all Seasonable Flowers Solicited, and Returns Made Weekly.
57 West 28th Street, Telephone 2200 Madison Sq. NEW YORK.

...Wholesale Prices of Cut Flowers...

	Names and Varieties	New York July 5, 1900	Boston June 28 1900	Philadelphia July 5 1900	Baltimore July 3, 1900	Buffalo July 4, 1900
Roses	A. BEAUTY, fancy—special	10 00 to 20.00	12 50 to 20 00	20.00 to 25.00	... to	20.00 to 25.00
	" extra	6.00 to 10.00	6.00 to 10.00	15.00 to 20.00	16.00 to 20.00	15 00 to 20.00
	" No. 1	3.00 to 5.00	4.00 to 6.00	10.00 to 15.00	6.00 to 12.00	10.00 to 12.00
	" Culls & ordinary	.50 to 3.00	1.00 to 3.00	3.00 to 8.00	3.00 to 6.00	5.00 to 6.00
	Bride, 'Maid, fancy—spc'l	3.00 to 6.00	6.00 to 8.00	2.00 to 6.00	.... to	1.00 to 6 00
	" extra	2.00 to 3.00	3.00 to 4.00	2.00 to 6.00	2.00 to 5.0	1.00 to 6.00
	" No. 1	1.00 to 2.00	2.00 to 3.00	.... to	2.00 to 4.0	.... to ....
	" No. 2	.50 to 1.00	.... to 1.00	.... to	.... to	.... to ....
	K. A. Victoria	3.00 to 5.00	2.00 to 6.00	2.00 to 6.00	2.00 to 5.00	2.00 to 6.00
	La France	.... to	.... to	.... to	2.00 to 5.00	.... to ....
	Meteor	1.00 to 3.00	1.00 to 6.00	2.00 to 6.00	3 00 to 4 00	1.00 to 6.00
	Papa Gontier	.... to	.... to	.... to	.... to	.... to ....
	Perle	1.00 to 2.00	1.00 to 4.00	2.00 to 5.00	2.00 to 3.00	1.00 to 3.00
	Bouv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
	ORCHIDS—Cattleyas	25.00 to 35.00	.... to	.... to 50.00	.... to	.... to ....
	Cypripediums	.... to	.... to	15.00 to 20.00	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	.50 to .75	.20 to .40	.40 to .75	.50 to .60	.30 to .50
	STANDARD VARIETIES White	.50 to .75	.... to .50	.75 to 1.00	.75 to 1.00	.50 to 1.00
	STANDARD VARIETIES Pink	.50 to .75	.... to .50	.75 to 1.00	.75 to 1.00	.50 to 1.00
	STANDARD VARIETIES Red	.50 to .75	.... to .5	.75 to 1.00	.75 to 1.00	.50 to 1.00
	STANDARD VARIETIES Yel.&Var	.50 to .75	.... to .50	.75 to 1.00	.75 to 1.00	.... to ....
	*FANCY— White	1.00 to 1.25	.75 to 1.00	1 25 to 2.00	1.25 to 2.00	1.25 to 1.50
	*FANCY— Pink	1.00 to 1.25	.75 to 1.00	1.25 to 2.00	1.25 to 2.00	1.25 to 1.50
	*FANCY— Red	1.00 to 1.25	.75 to 1.00	1.25 to 2.00	1.25 to 2.00	1.25 to 1.50
	*FANCY— Yel.&Var	1.00 to 1.25	.75 to 1.00	1.00 to 1.50	1.25 to 2.0	.... to ....
	NOVELTIES	1.00 to 1.25	1.25 to 1.50	1.50 to 2.00	1.25 to 2.0	.... to ....
	ADIANTUM	.50 to .60	.... to .50	.75 to 1.5	.. to 1.00	.75 to 1.00
	ASPARAGUS	35.00 to 50.00	.... to 50.00	35.00 to 50.00	25.00 to 75 00	40.00 to 50.00
	CALLAS	4.00 to 6.00	4.00 to 6.00	.... to	.... to	.... to ....
	DAISIES	.25 to .50	.... to	.... to	.... to	.... to ....
	GLADIOLUS	3.00 to 6.00	6.00 to 8.00	3.00 to 5.00	.... to	.... to ....
	HYACINTHS	... to	.... to ...	.... to	.... to	.... to ....
	IRIS	1.00 to 4.00	.... to	.... to	.... to	.... to ....
	LILIES	2.00 to 3.00	4.00 to 6.00	.... to	.... to 6.00	10.00 to 12.00
	LILY OF THE VALLEY	1.00 to 2.00	2.00 to 4.00	2.00 to 4.00	.... to	3.00 to 4.00
	MIGNONETTE—ordinary	.25 to 1.00	.... to 1.00	.... to	.... to	.... to ....
	" fancy	.... to	.... to	.... to	.... to	.... to ....
	PÆONIES	1.00 to 4.00	1.00 to 3.00	.... to	.... to 4.00	.... to ....
	SMILAX	10.00 to 12.00	12.50 to 15.00	12.00 to 20.00	12.00 to 25.00	10.00 to 15 00
	SWEET PEAS	.10 to .25	.20 to .25	.15 to .50	.20 to .25	.40 to .75
	TUBEROSES	.... to ...	.... to	.... to	.... to	.... to ....

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

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Pink Pond Lilies
Brides
'Maids
American Beauties
WELCH BROS.
PROPRIETORS
CITY HALL CUT FLOWER MARKET,
15 PROVINCE ST. — 9 CHAPMAN PL.
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Carnations
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We have a fine grade of everything in market at present.
Send us a Trial Order and we will do the rest.
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...Wholesale Prices of Cut Flowers...

	Name and Varieties	Chicago July 3, '00	St. Louis July 2, '00	Cincinnati July 3, '00	Milwaukee July 1, '00	Pittsburg July 3, '00	Toronto July 2, '00
Roses	A. Beauty, fancy—special	18.00—20.00	....—	15.00—25.00	20.00—25.00	20.00—25.00	....—25.00
	" extra	12.00—15.00	....—	10.00—12.5	15.00—18.00	12.00—15.00	....— ....
	" No. 1	8.00—10.00	....—	....—	10.00—12.00	8.00—10.00	....—10.00
	" Culls & ordinary	1.00— 3.00	....—	....—	4.00— 6.00	3.00— 5.00	....— ....
	Bride, Maid, fancy-spec'l	4.00— 5.00	3.00— 5.00	4.00— 5.00	4.00— 6.00	....—	....— ....
	" extra	....—	3.00— 5.00	4.00— 5.00	4.00— 6.00	2.00— 8.00	1.00— 5.00
	" No. 1	2.00— 3.00	....—	....—	....—	2.00— 8.00	1.00— 5.00
	" No. 2	.75— 1.00	....—	....—	....—	2.00— 6.00	....— ....
	K. A. Victoria	4.00— 6.00	....—	....—	....—	4.00— 8.00	....— ....
	La France	3.00— 4.00	....—	....—	....—	2.00— 4.00	....— ....
	Meteor	2.00— 5.00	3.00— 5.00	3.00— 5.00	4.00— 8.00	2.00— 8.00	1.00— 6.00
	Papa Gontier	....—	....—	....—	....—	....—	....— ....
	Perle	2.00— 4.00	2.00— 3.00	2.00— 3.00	4.00— 6.00	2.00— 6.00	1.00— 4.00
	Souv. de Wootton	....—	....—	....—	....—	....—	1.00— 6.00
	Orchids—Cattleyas	....—	....—	....—	....—	....—	....—25.00
	Cypripedium	....—	....—	....—	....—	....—	....— ....
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	Inf'r grades, all colors	.40— .50	....— .75	....— .50	....—	.50— .75	....— .50
	Standard Varieties White	.75— 1.00	1.00— 1.75	1.00— 1.50	.75— 1.00	.50— 1.00	.50— 1.00
	Standard Varieties Pink	.75— 1.00	1.00— 1.75	....— 1.00	.75— 1.00	.50— 1.00	.50— 1.00
	Standard Varieties Red	.75— 1.00	1.00— 1.75	....— .50	.75— 1.00	.50— 1.00	.50— 1.00
	Standard Varieties Yel. & Var.	.75— 1.00	1.00— 1.75	....—	.75— 1.00	.50— 1.00	.50— 1.00
	*Fancy— White	1.00— 1.5	1.50— 2.00	....— 2.00	2.00— 3.00	1.50— 2.00	....— 2.00
	(*The highest grades of standard var) Pink	1.25— 1.75	1.50— 2.00	....—	2.00— 3.00	1.50— 2.00	....— 2.00
	(*The highest grades of standard var) Red	1.50— 2.00	1.50— 2.00	....—	2.00— 3.00	1.50— 2.00	....— 2.00
	(*The highest grades of standard var) Yel. & Var.	1.50— 2.00	1.50— 2.0	....—	2.00— 3.00	1.50— 2.00	....— 2.00
	Novelties	....—	....—	....—	....—	....—	....— 2.00
	Adiantum	.50— 1.00	....— .75	....— 1.00	....— 1.00	1.00— 1.25	....— .75
	Asparagus	40.00—50.00	....—25.00	....—	....—	35.00—50.00	30.00—50.00
	Callas	6.00— 8.00	....—	....—	....—	....—	....— ....
	Daisies	.15— .25	....—	....— .50	....— .50	.25— 1.00	.15— 1.00
	Gladiolus	4.00— 6.00	....— 4.00	....—	....— 6.00	2.00— 6.00	....— 2.00
	Iris	....—	....—	....—	....—	....—	....— ....
	Lilies	8.00—10.00	....—	....—	....—	8.00—10.00	....— ....
	Lily of the Valley	4.00— 5.00	....—	....—	....—	2.00— 4.00	....— ....
	Mignonette—ordinary	....— 1.00	....—	....—	....—	....—	....— ....
	" fancy	....—	....—	....—	....—	....—	....— ....
	Pæonies	3.00— 4.00	....—	....—	....—	....—	2.00— 4.00
	Smilax	12.00—15.00	....—12.50	....—15.00	....—15.00	12.50—15.00	....— ....
	Sweet Peas	.20— .60	.15— .25	.15— .25	....—	.25— .75	.25— .75
	Tuberoses	6.00— 8.00	....— 5.00	3.00— 5.00	....—	....—	....— ....



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Northern Ferns
NOW READY, 50c. per 1000 LAUREL FESTOONING, 4c. to 6c. a yd. Best goods always.
CROWL FERN CO., Millington, Mass.
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PREPARED TROPICAL PALMS AND CYCAS LEAVES

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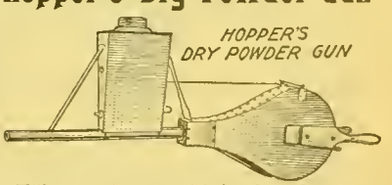

Kills more insects with less powder than any duster on the market. Will throw powder under the leaf; for tree, vine, bush or plant. Weighs 4 lbs. Agents wanted. Circular free. Will forward Gun on trial to responsible parties.
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IF YOU DON'T FIND WHAT YOU WANT—WRITE US.

	Per 100
Anthemis, Double Yellow Marguerite, 2¼ in.	$3 00
3 in.	6 00
Alternanthera, 2¼ in., $2.00 a 1000;	2 50
Abutilon, Var. Trailing, 2¼ in.	4 00
Begonia Rex, 2¼ in.	4 00
4 in.	10 00
Cobæa Scandens, 2¼ in.	3 00
3 in.	5 00
Dracæna Indivisa, 3 in.	6 00
4½ in.	25 00
5 in.	35 00

	Per 100
Dracæna Indiva, 6 in.	$50 00
Fuchsias, 2¼ in.	3 00
3 in.	4 00
Trailing Queen, 2¼	4 00
Ficus Elastica, 3½ in., $9 per doz.	
Geraniums, Mats, 2 in.	4 00
Mars, 2¼ in.	6 00
3 in.	8 00
Rose Scented, 2¼ in.	3 00
S. A. Nutt, 2¼ in.	3 00
La Favorite, 3 in.	6 00
2¼ in.	3 00

	Per 100
Geraniums, Ivy, mixed, 2¼ in.	$3 00
Dbl. Grant, 2¼ in.	3 00
German Ivy, 2¼ in.	2 00
Maurandya Vine, 2¼ in.	2 00
Manettia Bicolor, 2¼ in.	3 00
Palm, Washingtonia Filifera, 2¼ in.	4 00
3 in.	6 00
Vinca, 2¼ in.	3 00
3 in.	5 00
4 in.	10 00
5 in.	15 00

WRITE US FOR PRICES ON 1000 LOTS.

ROOTED CUTTINGS.

	Per 100
Alyssum, Double Giant	$1 00
Variegated	1 25
German Ivy	1 25
Geraniums, Sweet Scented	1 50
Assorted	1 50
Mixed	1 25
Happy Thought	2 00
Freak of Nature	2 50
Bronze	1 50
Silver Leaf	1 50

	Per 100
Geraniums, Mrs. Pollock	$2 00
Mrs. Parker	4 00
Mme. Salleroi	1 25
Mars	2 50
Mme. Bruant, Mme. Taylor	2 00
Dr. Livingston	2 00
Impatiens Sultani	1 50
Lemon Verbena	1 50
Manettia Bicolor	1 50
Pelargoniums, mixed	3 00
Stevia Var.	1 50
Vinca Var. $10.00 per 1000	1 25

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

ALTERNANTHERA

Red and green, from pots, $1.50 per 100.

CALADIUM ESCULENTUM 5 inch, strong, $6.00 per 100.

BOUGAINVILLEA SANDERIANA 8 inch, extra fine, $5 00 per doz.

GROVEDALE NURSERIES, Phila., Pa.

Fisher's Lane, above 2d Street.

Mention the Florists' Exchange when writing.

HELIOTROPE

3 inch, $2.00 per 100.

Merry Christmas 'Mums, 2 inch, $2.00 per 100.

Baby Primrose, $1.50 per 100.

smilax, from flats, $1.00 per 100.

Geraniums, 4 inch, single Gen. Grant, $6.00 per 100.

CASH WITH ORDER.

WM. KEIR, - Pikesville, Md.

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GERANIUMS

Gen. Grant, S. A. Nutt, La Favorite, Le Constable, Mountain of Snow and Mars en mass and other varieties.

Dbl. Petunias Echeveria Secunda Glauca, Cannas, Dahlias, Pansies, Carnations.

WM. STUPPE, Hollis L. I., N. Y.

Mention the Florists' Exchange when writing.

STOCK THAT WILL PLEASE

ROSES, Meteor, Bride and Maid, strong, 3½ in. pots, $4.00 per 100.

ASPIDISTRA, Green, $5.00 per 100. " Variegated, $8 00 per 100.

SMILAX, strong, 2 in., $1.50 per 100.

JERUSALEM CHERRY, 2 in., $1.50 per 100.

FICUS, top cutting fine, $18.00.

A. C. FEHR, Belleville, Ills.

Mention the Florists' Exchange when writing.

CANNAS

Austria, strong plants from 3½ in. pots, $6.00 per 100

Burbank, " " 3½ " 6 00 "

ROSES.

Bridesmaid, Ron Silene, Catherine Mermet, Duchess of Albany, Golden Gate, Maid of Honor, Perle des Jardins, Sunset, The Bride, from 2¼ in. pots, $4 00 per 100, $38.00 per 1000; from 3 in. pots, $7.00 per 100; $60 00 per 1000.

CHRYSANTHEMUMS.

For Varieties and Prices see Issue of June 9th.

READY FOR **VIOLETS** IMMEDIATE PLANTING.

Marie Louise, from 2¼ inch pots, fine stock, $3.00 per 100; $25.00 per 1000.

MISCELLANEOUS PLANTS.

Ready for Immediate Sales.

	Per 100
Anthemis, Dbl. Golden Marguerite, 2¼ in. pots	$3.00
Ageratum, blue and white, 2¼ in. pots	3 00
" Princess Pauline, 2¼ in. pots	4.00
Cuphea, Platycentra, 2¼ in. pots	3 00
Carnations, to bud and bloom, 4 in. pots	12.00
Fuchsias, double and single, 2¼ in. pots	3.00
" " " 3½ in. pots	8.00
Geraniums, double and single, 3½ in. pots	7.00
" " " " 3 in. pots	5.00
Heliotrope, light and dark, 3½ in. pots	5.00
" " " " 2½ in. pots	3.00
Moon Flower, white, 2½ in. pots	4.00
Pansies, transplanted	2.50
Salvias, Splendens and Bedman, 2¼ in. pots	3.00
" " " 3½ in. pots	5.00
Feverfew, dwarf, from 2¼ in. pots	4.00
Impatiens Sultani, from 2½ in. pots	4 00
" " from 3 in. pots	6 00
Pelargoniums, from 2½ in. pots	6.00
Hydrangeas, to bud and bloom 4 in.	24.00
5 in.	25 00

TRADE LIST ON APPLICATION

WOOD BROS., Fishkill, N. Y

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PLANT CULTURE

Hitherto Advertised as

Commercial Plants

Will be ready for delivery July 18, 1900

A two hundred page book, of incalculable value to all, for only **$1.00.**

A. T. DE LA MARE PTG. & PUB. CO., Ltd.

P. O. Box 1697, New York.

ALTERNANTHERAS

P. Major, 2 inch pots, $1.75 per 100; **A. Nana,** 2 inch pots, $1.50 per 100.

COLEUS.

2 inch pots, **Crimson Verschaffeltii, Golden Queen** or **Bedder,** or mixed, $1.50 per 100.

CASH WITH ORDER.

C. A. HARRIS & CO., Delanson, N. Y.

Mention the Florists' Exchange when writing

GERANIUMS

Double Gen. Grant, Gloire de France and de Tastepede, from 3 inch pots, stocky, $4.00 per 100; from 4 in. pots, extra strong, at $8.00 per 100. One year old stock plants, from 5 in. pots, at $15.00 per 100.

Fuchsias, from 2½ in. pots, strong, $2 50 per 100.

Heliotropes, from 3 in. pots at $3.00 per 100.

Salvia Splendens, from 3 in pots, at $3 00 per 100.

Alyssum, Double Giant, from 3 in. pots, $1 00 per 100

Vinca Variegata, from 4 in. pots, $12 00 per 100.

Vinca Variegata, from 2½ in pots, 18 to 21 inches long, just the thing for hanging baskets, at $5.00 per 100.

German Ivies, from 3 in. pots, strong, $4.00 per 100.

Tropæolums, tall and dwarf, from 2 inch pots, at $1.00 per 100.

Selaginella, from 4 inch pots, $6 00 per 100.

Celery Plants, from seed bed, at $2.00 per 1000; 25c per 100

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

FIRST-CLASS STOCK

	Doz.	100
Ageratum, Cope's Pet, 2½ in. pots	$0.50	$2.50
Alternanthera, transplanted—		
P. Rosea	1 00	7.00
Aurea Nana	1.00	7.00
Begonias, assorted, 2½ in. pots.	.60	4.00
Coleus—		
Golden Bedder, 2½ in. pots	.50	2 00
Verschaffeltii, 2½ in. pots	.50	2.00
Dracæna Indivisa—		
4 in. pots very strong	2.25	18 00
German Ivy, 2½ in. pots	.50	2.00
Hedera Helix (English Ivy), 2½ in. pots	.50	3.00
Lemon Verbena, 2½ in. pots.	.75	4.00
Maranta Bicolor, 2½ in. pots	.75	5.00
Salvia Splendens, Bonfire, flats	.50	2.00
Vinca, Variegated trailing, 2½ in. pots	.50	3.00
Vinca, Green trailing, 2½ in. pots	.50	3.00
Vinca, shrubby, 2½ in. pots	.75	4.00

N. B.—All orders amounting to $5 00 and over are forwarded F. O. B. New York City.

Orders from unknown correspondents are sent C. O. D.

SEAWANHAKA GREENHOUSES,

OYSTER BAY, L. I.

Lock Box 227. W. L. SWAN, Prop.

Mention the Florists' Exchange when writing

J. E. FELTHOUSEN,

Rooted Cutting Specialist,

SCHENECTADY, N. Y.

Mention the Florists' Exchange when writing.

ASTER PLANTS

Fine, stocky plants from the field.

Ostrich Feathers, Queen of the Market, Semple's, Victoria, Vick's and Truffaut's Perfection, 35c. per 100; 300 for $1.00; $2 50 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

SURPLUS STOCK

	Per 100
125 Egandale Cannas, 3 in. pots	$3.00
275 Robusta Cannas, 3 in. pots	6.00
Grevillea Robusta, 2½ in. pots, strong stock, 12 in. to 18 in. high	3 00
Asparagus Tenuissimus, 2½ in. pots	3.00
Cyperus Alternifolius, 2½ in. pots	2 50
German Verbena, 2 in. pots	2 50
Coleus, best varieties, mixed	2 00
Cobæa Scandens, 3 in. pots	3 00
Centaurea Gymnocarpa, 2½ in. pots	2 50
Vinca Major Variegata, 2 in. pots, $20 a 1000.	2.50
Petunias, double fringed mixed, 2½ in. pots	3.00
Variegated Japanese Hop, 2½ in. pots	2 50
Geraniums, best named varieties, 2½ in. pots	2.50
" 4 in. pots	6.00

List of varieties of above stock free on application.

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

ALTERNANTHERA.

	Per 100,	1000
Red,	$2.00	$18.00.
Yellow,	1 75	15 00.

	Per 100
Verbenas, Mammoth, 2 in.	$1.00
Rudbeckia, Golden Glow, 2½ in.	2.00
Abutilon, Souv. de Bonn, 3 in.	2.50
Fuchsias, best mixed varieties, 3 in.	3.00
Petunias, Single, 3 in.	3 00
Cigar Plant, 3 in.	2 50
Coleus, Golden Bedder, 2 in.	2.00
Lantanas, Mixed, 3 in.	3.00

Satisfaction Guaranteed. Cash with Order.

GEO. L. MILLER, Newark, Ohio.

Mention the Florists' Exchange when writing

A Few Good Things You Want

REX BEGONIA, extra fine, 2½ in., $4 00 per 100 3 in., $6.00 per 100.

GERANIUMS, Boonat, single and double Grant, S. A. Nutt, Mrs E. G. Hill, 3 in., $5 00 per 100.

COLEUS, red and yellow, 2 in., $2.00 per 100.

SALVIA, Clara Bedman, 2 in., $2 00 per 100.

VINCA VAR., 2½ in., $3.00 per 100.

AGERATUM, blue and white, 2 in., $2.00 per 100.

SMILAX, 2 in., $2.00 per 100.

BRIDESMAID ROSE, 3 in., $5 00 per 100.

SWORD FERN. Nephrolepis Cordata Compacta 2½ in., $3.00 per 100.

Fine stock of **KENTIA BELMOREANA** and **FORSTERIANA,** just right for growing on, 2½ in., $10.00; 3 in., $20.00; 4 in., $40 00 per 100 Nice clean stock, and can't be duplicated anywhere for the money. *Cash with order.*

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing

Tarrytown, N. Y.

The Tarrytown Horticultural Society held its monthly meeting on Thursday, June 28. Wm. Turner read a very interesting paper on the cultivation of the rose. Wm. Magee and Mark Drury were elected to membership. The following prizes will be given at the November show: Ernst Asmus' prize for vase of Liberty rose; J. H. Troy's prize for the use of the society; Jas. M. Thorburn Co.'s prize for vegetables grown from their seeds. F. R. Pierson Co. give a silver cup and prize for 12 blooms Col. D. Appleton chrysanthemum. R. ANGUS.

Providence, R. I.

The Rhode Island Horticultural Society held a rose and strawberry show June 25. Norwood Floral Co., N. D. Pierce, made a good display of carnations and moss roses, securing first premium for the latter and gratuity for the former; also for candytuft, myosotis, gladioli, etc. The Home Floral Co. was awarded a similar honor for a collection of 30 varieties of evergreens. Excellent exhibits of fruits, vegetables and wild flowers were made by the society's members. Silas H. Manchester, Joseph D. Fitts and Thomas Hope were judges of the fruit, and Nathan D. Pierce, Jr., and C. W. Smith were judges of the flowers.

GERANIUMS In good varieties, in bud and bloom, 3½ in. pots, per 100, $5 00. Ivy Ger. In good varieties, in bud and bloom, 3½ in. pots, per 100, $5.00. 200 Mme. Salleroi, 2½ in. pots, nice, per 100, $3 00.

Salvia, 2½ in. pots, per 100, $2 50.

Ageratum, Cope's Pet, 2½ in. pots, per 100, $2 50.

Heliotrope, 3 var., 2½ in. pots, per 100, $2 50.

Cash With Order.

WM. J. CHINNICK, - Trenton, N. J.

Mention the Florists' Exchange when writing.

STEVIA

Dwarf, strong plants, out of 2½ inch pots, $3.00 per 100; $25 00 per 1000. Strong rooted cuttings, $1.50 per 100.

VIOLETS, Marie Louise, strong, healthy plants, out of 2½ inch pots, $3 00 per 100; $25.00 per 1000.

CELERY PLANTS, Strong, field grown, in 8 varieties, to any quantity. Extra selected stocky plants, $1.50 per 1000. CASH, PLEASE.

WM. S. HERZOG, Morris Plains, N. J.

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XXX STOCK

For Immediate Shipment.

Cyclamen Persicum Splendens Giganteum, finest strain in the world. Now ready to ship, a splendid stock of plants in 4 true colors, red, white, pink, and white with carmine eye, from 2½ in. pots, **$5 00 per 100; $40.00 per 1000;** 25 at the 100 rate.

Cinerarias Hyb. Maxima Grandiflora and maxima grandiflora nana, strain superb in every way, from flats transplanted, **$1.75 per 100, $15.00 per 1000;** 250 at the 1000 rate.

Begonia Rex, Rooted Cuttings, in the 10 best market sorts, mixed, **$1.50 per 100;** assorted, **$2.00 per 100.**

All Stock Guaranteed A No. 1.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing

LAST CALL

	Per 100
10000 Coleus, named, our selection, 2¼ in.	$1 50
5000 Geraniums, mixed, 2¼ in.	1 50
3000 Iresines, red, also yellow, 2¼ in.	1 50
1000 Alternantheras, large-leaved, 2½ in.	1 50
1000 Begonia, Red Vernon, 2¼ in.	1 50
1000 Begonia, Erfordi, 2¼ in.	1 50
2000 Begonias, mixed, 2¼ in.	1 50
1000 Fuchsias, mixed, 2¼ in.	1 60
300 Asparagus Plumosus, 7 in.	20 00

CASH.

THE MORRIS FLORAL CO., Morris, Ill.

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ACALYPHA SANDERI 2½ inch, $3.00 per 100.

CRIMSON RAMBLER ROSES We will have a fine lot of field plants for winter forcing. Orders taken now

THE CONARD & JONES CO., West Grove, Pa.

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Boston.

The Market.

Now that commencement and graduation exercises are over, the bottom has about fallen out of business, and there is little or nothing going on. Steamer trade is about all that the city florists are getting now, excepting, of course, the ever present funeral work. Outdoor roses are still plentiful, but move slowly. Beauty, too, are in good supply, but are very little sought after. Bride and Bridesmaid are about past, and many will soon be thrown out. Kaiserin and Carnot are still of very good quality, and extra grades sell pretty well, though with no rush.

Carnations hold on about the same—in plentiful supply, with a few of good quality, the large majority being seconds or poorer grades. Sweet peas are becoming plentiful from out of doors, and fetch 20c. to 25c. per 100.

The early closing season has not as yet started.

Mass. Horticultural Society.

The regular Summer shows of the society were inaugurated on Saturday last with a very good exhibition. The J. S. Fay estate won all three prizes awarded for hardy roses with a fine collection; Mrs. B. P. Cheney and Mrs. E. M. Gill also had good exhibits. W. H. Spooner and W. J. Clemson showed Crimson Rambler, and Mrs. E. A. Wilkie some nice moss roses. Mrs. J. L. Gardner and Dr. C. G. Weld made nice displays of iris; Mrs. J. L. Gardner sent in delphiniums, sweet williams and campanulas; these were also well staged by Rea Bros., Miss M. S. Walker and W. J. Clemson.

James Comley brought in a fine lot of longiflorum lilies and E. C. Lewis and W. J. Clemson had displays of sweet peas.

Edward J. Mitton staged a beautiful specimen Cattleya gigas bearing ten handsome flowers. Hardy herbaceous plants were finely shown, the largest and best exhibits coming from the Blue Hill Nursery, Rea Bros. and W. J. Clemson.

A party of friends visited Mrs. E. M. Gill at Medford, on Thursday, of last week, on the anniversary of her seventieth birthday. A handsome cut-glass berry bowl, the gift of some forty members, was presented to Mrs. Gill, as a testimonial of the respect and regard in which she is held. F. J. N.

Buffalo.

Trade News.

A Summer dullness plainly exists; a drought of almost a serious extent is noticeable. Small fruit crops suffer, and asters will bring good prices unless a change soon takes place. L. candidum from outdoors saw a brief flowering period of barely ten days from beginning to finish.

Indoor carnations are plentiful and of good quality. Sweet peas are in good supply now also, with roses scarce and of low quality.

A few plant men report or show some small stocks on hand, but nothing of a discouraging extent. The city parks found need of some more than produced under their facilities, and have been purchasing to a small extent.

The noted handsome lake steamers Northwest and Northland were well fitted out in free style with hanging baskets and jardinieres of ferns by John G. Pickelman, the job in its entirety making a nice order.

The hanging basket as a veranda decoration has been largely superseded by "porch pots," consisting of sizes in 10 inches and up. Filled with plants to suit, and bedecking the entrance steps of a residence, these are sensibly attractive.

What a charming acquisition for general use the Crimson Rambler rose is! Five years hence we will wonder how we got on without it, and we predict a popularity far exceeding that of the clematis.

In these dull days Palmer & Son give some pleasing attention to their window display. White pond lilies have been used prominently in broad, shallow pans. For an Independence Day effect a number of mammoth imitation firecrackers several feet in length were constructed, and with a cannon made largely of flowers and a free use of national colors, a fine display was created. Boxes of flowers going out to customers were neatly tied with tricolored ribbons, a small silk flag and a "cracker" added.

The Pan-American.

A hurried visit to the Pan-American exhibit grounds on Tuesday last shows work progressing. A good beginning was made in seed sowing, so now a bright new green shows in occasional stretches and patches, lending interest to the look of things. Though to our eyes the work looks expansive, a new character in arrangement must result in the long vista of walks bordered by rows of foliage and trees in formal style of arrangement. The extent of the larger buildings seems to emphasize as their forms and exteriors loom up, and showing beyond question that this affair will be of no small proportions.

Wm. Scott, superintendent of floriculture, and his work, with portrait, was made the subject of an extended exhibition article in the Buffalo Express of last Saturday.

Dan'l B. Long visited Cleveland and Detroit last week. VIDI.

Chicago.

State of Trade.

Except Saturday, nearly always a fair trade day, last week proved an eye-opener as to what intensely hot weather, the season of the year, and lots of stock on the market (such as it is), can do in the way of cutting prices and demoralization generally. Market quotations would be but a delusion and a snare, at least to the growers, a woeful average price being obtained from the total cut sent in. Usually this corrects itself for a time, and so it goes on. It is not a new state of things, and history but repeats itself.

It may be that for a few really choice Beauty $2 to $3 per dozen is obtained; for teas $4 to even $6 per 100; carnations, $1 to $2; sweet peas, 40c. to 60c. per 100; but the quantity sold at these figures is out of proportion to the supply in the market that has to be sold at some price, or extra money paid out to carry to the dump, and the buyer and not the grower or seller makes the values.

The weather here is now fine for growing plants. Rains, except in spots, have been frequent. Carnations are making rapid growth, and may surely be housed early.

Jottings.

Adam Harrer, of Niles Center, has sold his greenhouses. They will hereafter be used for growing vegetables.

P. M. Broadbeck, Ravenswood, has been having great shows with his night-blooming cereus.

S. N. Raisig has removed to a larger and better store, from 416 to 442 W. 12th street. He has done good business the past year.

Oscar Kreitling, 392 W. 12th street, says he never has done so good a business in any June as the past one.

Sam Pearce is the proud father of a boy.

S. A. Tinker, florist, Austin, has sold his property and greenhouses. The latter are to be torn down.

George Asmus, with Herman Schiller, West Madison street, is rejoicing over the advent of a son.

The commission houses will close July and August at 5 o'clock.

Mr. and Mrs. E. E. Pieser started for West Baden, July 3, to begin a series of Summer outings.

C. W. McKellar and wife are on a visit to Chillicothe, O., the home of Mac's father, who has had an attack of grip. This leaves his partner a busy man, but then Ed. can get rid of a lot of work.

The pancratium is quite a feature in the market this year; it goes for cheap work. Paeonias, Lilium longiflorum, some auratum, with lots of candidum are still on the market, the latter being hard to clean off at $2 per 100. A few common asters are showing up.—Ess.

Cincinnati.

Trade News.

We are now (July 3) passing through another heated term. This is a time of year when about all we have to do is to try and keep cool; although I must say that trade in this city is holding up remarkably well. Monday the city officials of the new administration took their seats, and flowers by the wagonload were delivered at the mayor's and other offices in the city building. Critchell had several set pieces and bunches; Julius Baer also had a goodly share of the work. A. Sunderbruch Sons had a wagon load alone, and C. J. Jones, Fred Gear, Peterson, Huntsman, J. O'Maley, O. Walke and Hoffmeister Floral Co. all delivered work to the various offices. Superintendent of Parks Critchell sent several wagonloads of plants from the city greenhouses, so that taking it all in all the decorations were very handsome.

The Fall festival committee offer $1,000 for the best decorated float in the trades' parade. Nothing special has been done by the florists, but if they will get together and do a little hustling they can win that thousand.

As the time draws near for the meeting of the S. A. F. O. H. we all want to go. I am sorry I for one cannot go, but will send my representative, C. J. Obmer. There is no doubt that this will be the greatest of the great meetings held by this world-renowned society. New Yorkers as entertainers are noted for not doing things by halves. I trust that Patrick O'Mara will be the president for 1901. We all know his executive ability; he is a hustler and all-round good fellow.

Mr. and Mrs. Wm. Murphy are receiving congratulations on the arrival of a daughter.

Frank Snyder, of Gallipolis, O., is spending a few days in this city.

Remember that the next meeting of the Florists' Society will convene at the residence of Mr. and Mrs. Gus Adrian, Thursday afternoon, July 12, at 2:30. A large turnout is anticipated; there is much business of importance to transact. E. G. GILLETT.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

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LOCKLAND, OHIO.

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..ARTISTS..
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Horticultural Illustrating in all known processes. Catalogue Cover Designs, etc.
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A New Catalogue entitled
Flowers AND Floral Designs
Twelve pages and handsome cover
Shows forty-one arrangements, with prices.
For agents' use or promoting out-of-town trade.
Sample, 40c. in stamps. Circular Free.
DAN'L B. LONG, Publisher, BUFFALO, N. Y.
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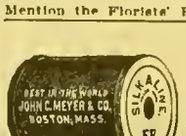

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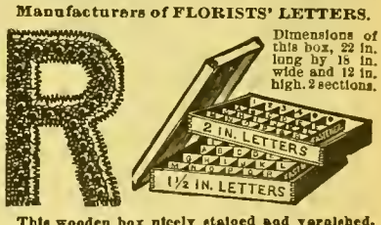
Manufacturers of FLORISTS' LETTERS.



Dimensions of this box, 22 in. long by 15 in. wide and 12 in. high. 2 sections.

This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1½ or 2 inch size, per 100, $2.00.
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Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.
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Wishing to do business with Europe should send for the
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This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage, 75 cents. Address
EDITORS OF THE "H. A."
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Hot-Bed

Sash

Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.

Quick Shipments.

We have in stock and can ship immediately:

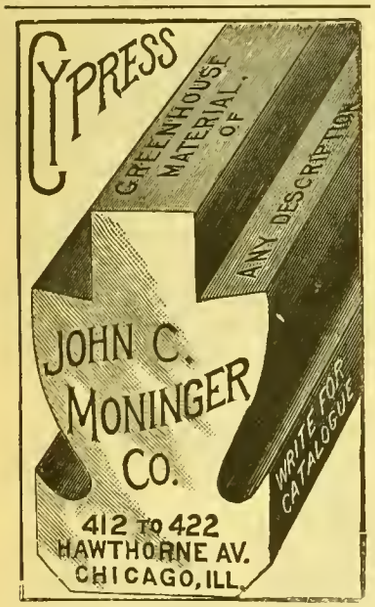
3	ft. x 6 ft., 3 rows	10 in.	glass.
3 ft. 3 in. x 6 ft., 4	"	8 in.	"
4	ft. x 6 ft., 5	"	8 in.	"

Not glazed, 1¾ in. thick.

Delivered Prices

Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.

LOCKLAND LUMBER CO.,
Lockland, Ohio.



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Address **W. A. HAMMOND,**
107 East Broad Street, - RICHMOND, VA.
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OBITUARY.

Mrs. Joseph Bradbury.

Mrs. Joseph Bradbury, wife of the well-known rose grower of South Orange, N. J., died on Monday, June 25, after a short but very severe illness of pneumonia. Mrs. Bradbury was born in Rockland Co., N. Y., and was 70 years of age. She leaves six daughters and one son, Wm. H. Bradbury, who is a rose grower and connected in the business with his father. Just previous to the death of Mrs. Bradbury came the sad news of the passing away of Miss Dorothy Moody, her granddaugter. She was seven years of age. Mrs. Bradbury's funeral was held Thursday noon, her pallbearers being her nephews. Among the floral pieces were some of the handsomest seen in this vicinity.

Mr. Bradbury and family desire to express their thanks for the many kind expressions of sympathy received from their friends.

William Desmond.

On Saturday night, June 29, when alighting from a south-bound Cottage Grove avenue car, at 55th street, Chicago, William Desmond, then living at 50th street, fell to the pavement unconscious, and before medical aid could be summoned he died. The immediate cause of death was said to be heart disease.

William Desmond was one of the old-time florists of Chicago, one of the six only, all burned out, occupying retail flower stores at the time of the big fire of 1871. He was then doing business under the firm name of Desmond & McCormack, with a greenhouse plant at Cottage Grove avenue and 37th street, afterward owned by the late D. B. Fuller. The deceased came to this city along about 1867 from the East, and was first employed by "Doc" Farrell, shortly afterward starting in business for himself; like most others in those early days, in a small way, but for a time cut quite a figure among us, being an old country educated gardener possessing some business vim. The troubles following 1873 proved too much for him, and the place on Cottage Grove avenue ultimately came under foreclosure into the hands of D. B. Fuller. Desmond then went to Kewanee, Illinois, subsequently moving to Minneapolis. He was about sixty years of age at the time of his death and had been about Chicago again for a year or two past. Ess.

PAMPHLETS RECEIVED

THE PAN-AMERICAN MAGAZINE for June, publishers, The Pan-American Exposition, Buffalo, Price, 10c. Containing an illustrated historical record of the exposition. Portraits of the principal workers are included, among which is that of William Scott, who contributes an interesting article on the floricultural end of the undertnking.

Lord & Thomas (newspaper and magazine advertising), Chicago, send us a reduced fac simile of the firm's Paris exhibit, a map of the United States, showing population, number of publications, and other serviceable matter for advertisers. Copies of the map will be sent free on request to all advertisers who address Lord & Thomas, Trude Building, Chicago.

CHANGES IN BUSINESS.

DES MOINES, IA.—J. W. Rockwell and J. F. Kuxtzwell will engage in the florist business here. They will build a greenhouse 80x40 feet, to be duplicated later on.

UTICA, N. Y.—Archie Jackson has rented the Schnell Building, corner Main and Fifth streets, and will conduct his florist business there.

Firms Who Are Building.

WESTMORELAND, N.Y.—Hartley Thompson is enlarging his greenhouse capacity to meet his increasing business.

A Business Paper FOR Business Men. The FLORISTS' EXCHANGE

THE FLORISTS' HAIL ASSOCIATION

Insures 11,500,000 sq. ft. of glass and has $6,800.00 Reserve Fund. For particulars address

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Seed Packets and Supplies of all kinds for NURSERYMEN, FLORISTS and SEEDSMEN

SEND FOR PRICE LIST.

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Illustrated Catalogues a Specialty.

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SHEEP MANURE

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Send for PRICE LIST and SAMPLE.

Best Fertilizer for Top Dressing.

Office, 207 Academy St., Factory, Seventh St., LONG ISLAND CITY.

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Sulpho-Tobacco Soap

COMBINING the qualities of an absolute insect exterminator with those of a vigorous fertilizer. Recommended and in use by the foremost florists and nurserymen in the land. For Sale at the Seed Stores.

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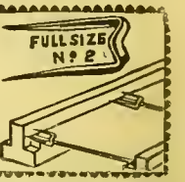

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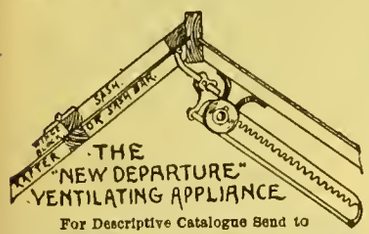

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In Large or Small Sizes.
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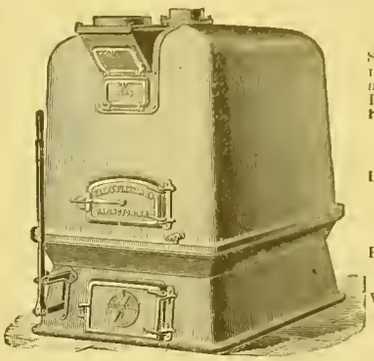

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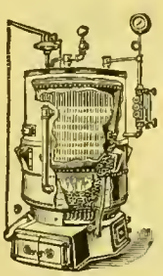

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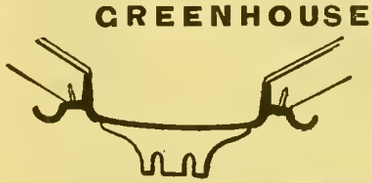

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Valley Gutter and Drip Conductor, 54c. per ft.
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FIRST QUALITY.			CREAM COLOR.		
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Packages extra.
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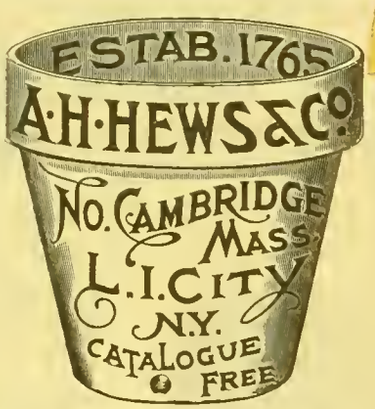

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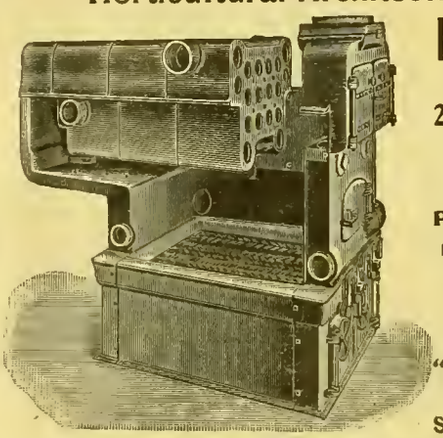

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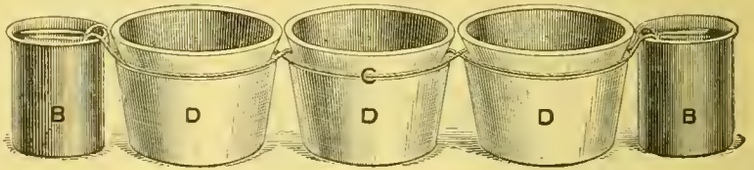
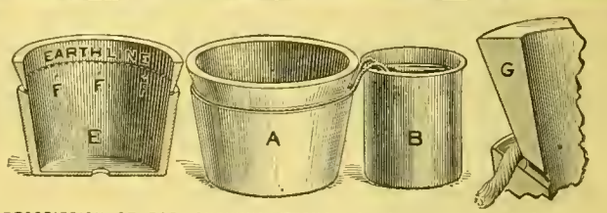
A self-watering pot or pan, devised specially for spores, fine seeds and cuttings. No surface watering; seeds cannot be washed away; surface earth does not harden. The pot, as will be seen by the cuts, is original in its construction and application, and is the result of many years of practical experience in the art of propagating and raising seeds and spores.





DESCRIPTION OF POT, SHOWING METHOD OF SUPPLYING WATER:
A, indicates the pot; B, a reservoir for water; C, a cord, through which the water is siphoned by capillary attraction from the reservoir B, to the pot A. D D D is a series of pots with reservoir at both ends. E section of pot, showing earth line and perforations or water passages below. G, full size section, showing groove, with cord siphon.
Price, boxed, F.O.B., Pot and Siphon Cord Complete, 50 cts. each; $5.00 per dozen.
Indorsed by leading florists and the trade generally. Send for full descriptive circular.
HENRY BIRD, Inventor and Patentee, 144 Belleville Avenue, Newark, N.J.
Mention the Florists' Exchange when writing.

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant.

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL.

Vol. XII. No. 28. NEW YORK, JULY 14, 1900. One Dollar Per Year.

HYDRANGEAS

Large Plants in Bud and Bloom.

We desire to call attention to a fine lot of plants that we have that are just coming into bloom, well budded, just beginning to show color, in first-class shape for July and August blooming. These plants are extra large specimens in half barrels, with from 25 to 30 blooms each, first-class stock for seashore and watering-place trade. Plants will be found to be exceedingly good value at price named. Price, **$5.00 each.**

DRACAENA INDIVISA We have an extra fine stock of extra large specimen plants, suitable for very large vases.
Large plants, in 8 inch pots, 3 feet high..... $1.00 each.
" " 9 " 3½ to 4 feet high..... 2.00 "
Extra large plants, in 10 inch pots, 4 feet high and up..... 3.00 "

ABYSSINIAN BANANA Or **MUSA ENSETE.** We have a fine stock of this—extra sized plants, in 6 inch pots, 3 feet high, 50 cts. each; and extra large specimens, in tubs, 5 to 6 feet high, $3.00 to $5.00 each, according to size.

BAY TREES **STANDARDS** and **PYRAMIDS.** Fine plants, 3 feet in diameter, $10.00 each.

WINTER FLOWERING ROSES We have a fine stock of strong plants, in 3½ inch pots, of the following varieties:
Bride, Bridesmaid, Perle, Meteor, Bon Silene, Papa Gontier, $8.00 per 100.
Kaiserin Augusta Victoria, Souv. de Wootton, Golden Gate, Pres. Carnot, $10 per 100.
American Beauty, $12.00 per 100. **Liberty,** lots of 25, at 50c. each; lots of 50, at 30c. each; full 100 lots, 25 cts. each.

CHRYSANTHEMUMS **For Winter-flowering. COL. D. APPLETON,** the finest variety of the year; an immense yellow prize exhibition sort, also grand for market. This is one of the very finest chrysanthemums that has ever been introduced First introduced by us this season. Price, **$3.00 per dozen.** Full description will be found in our catalogue for 1900.
Best Standard and Extra Choice Sorts, our selection, $3.00 per 100.

CYCAS REVOLUTA Or **SAGO PALM.** We still have to offer a fine stock of dormant roots, medium sizes, most desirable sizes for general use,
10 cts. per lb.; $25.00 per case of 300 lbs.

TUBEROSE, PEARL We can still offer a few thousand of these, in first-class, A No. 1 shape, extra quality bulbs, 75 cts. per 100; $6.00 per 1000.

F. R. PIERSON CO., Tarrytown-on-Hudson, N.Y.

First to Arrive via HAVRE!

We Have Advice of a Large Consignment of 12-15 Centimeter

WHITE ROMAN HYACINTHS

DUE TO ARRIVE IN NEW YORK IN ABOUT TWO WEEKS TIME.
REGULAR SHIPMENTS DO NOT COME UNTIL END OF AUGUST.

If you want to get the **"Cream of the trade," and best prices for the flowers,** by having them in the market at least one month earlier than usual, **secure a portion of this lot at once.** Although freight rates are much higher by fast steamer from Havre, we are offering these bulbs at a price which makes them a secure investment for any florist to make money on.

WHITE ROMAN HYACINTH BULBS 12-15 centimeter. **Per Case of 2000, $30.00.** Broken Lots, **$16.00 per 1000.**

Just to hand for Christmas forcing:

FREESIA REFRACTA ALBA (TRUE.) 1st size.....**$5.00** per 1000
Xtra size..... **7.00** per 1000
Monster bulbs, **8.00** per 1000

PANSY SEED **PLANT NOW.** Our "Connecticut" strain is unsurpassed. It has been grown for us by a leading specialist, **$1.00** per trade pkt; **$6.00** per oz.
Benary's "Non Plus Ultra," the best German strain, **$1.00** per trade pkt.; **$8.00** per oz.

CINERARIA GRANDIFLORA Prize Strain, tall ..... **$1.00** per trade pkt.
Prize Strain, dwarf..... **1.00** per trade pkt.

CALCEOLARIA HYBRIDA **GRANDIFLORA,** spotted and mottled, mixed, **$1.00** per trade pkt.

ASPARAGUS SPRENGERI SEED **50 cts. per 100; $4.50 per 1000.**

CLUCAS & BODDINGTON CO., 342 W. 14th St., N.Y.City.
Telephone, 461 18th.
Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS.

FOR SUMMER DECORATIONS!

ASPARAGUS PLUMOSUS NANUS

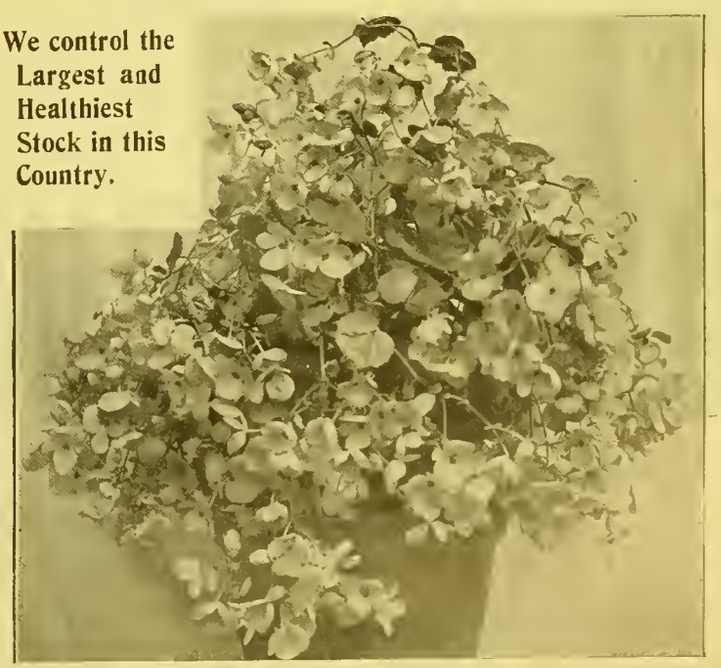
Never Wilts!

Cut Strings, 10 Feet Long, 50 cts.

W. H. ELLIOTT, BRIGHTON, MASS.

BEGONIA GLOIRE DE LORRAINE

We control the Largest and Healthiest Stock in this Country.



Fine, strong, 2¼ plants, for Aug. 15 to Oct. 1st delivery, $17.50 a 100; $175 a 1000

THE COTTAGE GARDENS, Queens, N.Y.

IF you have not got our Preliminary Trade List of Bulbs, you ought to. It will post you on honest quality at honest prices.

when you need

GLAZING POINTS (Van Reyper's), Per 1000. $0.60
" 5000, 2.75
MASTICA (for glazing), " Gallon, 1.25
" 6 Gal., 6.75
MACHINES for applying Mastica. Each, 1.00
RUBBER PUTTY BULBS (postage, 10c. extra), " .75
FINE, GROUND BONE (in 200 lb. bags), Per Bag, 4 00
and all other FLORIST SUPPLIES.

order them from

WM. ELLIOTT & SONS, 54 Dey Street, NEW YORK.

FLOWERING REESIA BULBS 3/8 to 1/2 in. in diam. at $1.50 per 1000. 1/4 to 3/8 in. in diam. at 50 cents per 1000.

CALIFORNIA CALLA LILY SETS Healthy, strong sets, 1 to 1½ ins. in length, suitable for bench growing, $3.00 per 1000, delivered free to any part of the United States.

GERMAIN SEED AND PLANT CO., Los Angeles, Cal.

Mention the Florists' Exchange when writing.

WE ARE NOW BOOKING ORDERS FOR

FRESH ENGLISH MILLTRACK MUSHROOM SPAWN

This Spawn is prepared for us by the best maker in England, and has for years been producing uniformly good crops. Price, $6.00 per 100 lbs.; $55.00 per 1000 lbs. We furnish 250 lbs. at 1000 lb. rate.

HENRY A. DREER, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

Just Arrived **LILIUM HARRISII**

Sound, Ripe Bulbs, Healthy as are grown on the Island.

	100	1000
5-7 in.	$5.00	$42.50
7-9 "	10.00	90.00
9-11 "	20.00	180.00

BERMUDA LONGIFLORUM, Comparatively **free from disease,** at same prices.

FIRST CONSIGNMENT OF **WHITE ROMAN HYACINTHS** DUE JULY 18th. Write for prices.

FREESIA.

	100	1000
White Flowered Burmuda—		
Mammoth Bulbs	$0.90	$8.00
Choice "	.75	6.50
Bermuda Buttercup Oxalis—		
Strong Bulbs	65	6.00
Mammoth Bulbs	1.00	8.00

MUSHROOM SPAWN.

New crop from an English specialist, $7.50 per 100 lbs.

PANSY.

Vaughan's International— Cream of the world's best stocks. Per oz., $10.00; 1/8 oz., $1.50; trade pkt., 50c.

Giant Mixture— Contains all the best giant strains. Per oz., $4.00; 1/8 oz., 60c.; Trade pkt., 25c.

CINERARIA.

International, large flowers, perfect in form, 1000 seeds, 50c.

PRIMULA International mixture, best strain for florists, Trade pkt., 350 seeds, 50 cts.; 5 Trade pkts., 1750 seeds, $2.25.

Sample and special prices on all Bulbs mailed on application.

NEW YORK—**VAUGHAN'S SEED STORE**—CHICAGO
14 BARCLAY STREET. 84 and 86 RANDOLPH STREET.

Mention the Florists' Exchange when writing.



PANSY SEED

NEW CROP.

S. & W. Co.'s Non Plus Ultra.

The richest mixture ever sent out, and containing the **Blotched** and **Giant** varieties in greatest proportion; very effective. Per packet 1000 seeds, 25 cts; per 1/8 ounce, 75 cts.; per ounce, $4.50.

Superb Mixture of the **Odier, Cassier** and **Bugnot Strains,** unsurpassed. Per 1000 seeds, 50 cts.; per 1/8 ounce, $1.00; per ounce, $6.00.

Trimardeau or **Giant Pansies.** Beautiful class of vigorous, compact growth, flowers of an enormous size. Per pkt., 25 cts.; per 1/8 ounce, 50 cts.; per ounce, $3.50.

For varieties in separate colors, also quotations on Dutch, French or Bermuda Bulbs, send for our 1899 Bulb Catalogue.

STUMPP & WALTER CO., 50 BARCLAY ST., NEW YORK.

FREESIA BULBS

1/4 to 3/8 inch diameter.....$0 75 per 1000
3/8 to 1/2 inch diameter..... 1 75 per 1000
1/2 to 3/4 inch diameter..... 3 50 per 1000

The smaller bulbs will prove as satisfactory as the larger if planted early. Bulbs ready for immediate delivery

JOHNSON & MUSSER SEED CO., Los Angeles, Calif.

XXX SEEDS

CHINESE PRIMROSE
Finest large-flowering fringed, single and double, fifteen varieties, mixed, 500 seeds, $1.00; 1/8 packet, 50c.
PRIMROSE PLANTS, ready in August: Singles, $2.00 per 100; Doubles, $3.50.

CINERARIA GRANDIFLORA NANA
The finest large-flowering dwarf varieties, very showy, in choicest mixture, 1000 seeds, 50 cts.

PRIMULA OBCONICA GRANDIFLORA HYBRIDA
The very finest of the improved Obconicas; large-flowering and choice colors, truly grand, 1000 seeds, 50 cts.

PANSY—FINEST GIANTS
The finest large-flowering varieties to be had; best colors and strong growing, in choicest mixture, 3500 seeds, $1. A packet of the Grand New Forget-Me-Not "Triumph," added to every order.

The Home of Primroses, **JOHN F. RUPP, Shiremanstown, Pa**

=FRESH 1900=

KENTIA SEED

Due this month from Australia, the fresh 1900 crop Kentia Seed. It is obvious that this seed coming in **at once** after ripening will give **highest germination** and best results. We book up to July 30th at **special** prices: 100 seeds, **$1.00** per 100; 5,000 to 10,000 seeds, **$3.50** per 1000; 25,000 to 50,000 seeds, **$3.00** per 1000. Either Belmoreana or Forsteriana. We furnish sample dozen at 10c., postpaid; 100 seeds at 65c., postpaid.

ORDER QUICK.

FREESIAS, ready now for delivery. **HARRISII,** due 25th to 30th.

SEEDS TO BE SOWN NOW.

PRIMULA SEED EUROPEAN Prize Strains. Largest flowers, brilliant coloring. 100 1000
Very choicest mixed..... 20c. $1.50
Kermesina Splendens, the richest red.. 20c. 1.50
Alba Magnifica, the very best white..... 20c. 1.50
Atrosanguinea, blood red..... 20c. 1.50
Cærulea, beautiful "TRUE BLUE"..... 20c. 1.50
Double Primula, mixed..... 75c. 5.00

CINERARIA Giant Flowering, Choicest Mixed, medium tall, packet, about 500 seeds, 25c.; 5 pkts, $1.00
Cineraria Dwarf, extra giant flowering, pkt., about 500 sds., 25c. " 1.00
Calceolaria, Giant, per packet, 25 cts.
" Rugosa, shrubby, packet, 25 cts.

CYCLAMEN GIGANTEUM Fresh crop pure white, white with red eye, brilliant crimson, Rose of Marienthal; 100 seeds, 75c.; 1000 seeds, $5; Mixed, 100, 60c.; 1000, $4.50.

PANSIES Our Giant Exhibition Strains, in separate colors, 1000 seeds, 25c.; 5000 seeds, $1. **Trimardeau, Bugnot, Odier, Cassier,** 1000 seeds, 25c.; 5000 seeds, $1.00.

NOW READY:—Our complete New Catalogue for Summer and Fall Bulbs, etc. We will be pleased to send estimates on your wants in Bulbs, Azaleas, Spiræas, etc., for Fall deliveries. ADDRESS

H. H. BERGER & CO. (ESTABLISHED 1878), **47 Barclay Street, New York.**

Mention the Florists' Exchange when writing.

ALLEN'S DEFIANCE MIGNONETTE

Seed Saved from Special Selected Stock and All Grown Inside.

TRADE PACKETS, CONTAINING 2000 SEEDS, $1.00.

Framingham, Mass., July 8, 1900.

C. H. ALLEN, FLORAL PARK, N. Y.

Friend Allen:—Kindly send me $1.00 worth of your best Mignonette Seed. What I had last year was the finest Mignonette that I ever had the pleasure of growing, and think that you deserve great credit for raising such stock.

Very truly yours,
(Unsolicited.) WM. NICHOLSON.

ADDRESS

CHARLES H. ALLEN, Floral Park, N. Y.

This Advertisement Will Not Appear Again.

CINERARIA—CALCEOLARIA—PANSY

Cineraria, James's Giant Strain, the finest strain offered; per pkt, 35c.; ½ trade pkt, 60c.; trade pkt, $1.00. **Calceolaria, James's Giant Strain,** unsurpassed; half trade pkt., 30c.; trade pkt., 60c. **Pansy, Johnson & Stokes' Kingly Strain,** comprises all the giant sorts of merit, per pkt., 25c.; ½ trade pkt, 30c.; trade pkt. 50c.; oz., $5.00.

ASPARAGUS SPRENGERI, 100 seeds, 50c.; per 1000 seeds, $4.00.

Write for quotations on Early Forcing Bulbs.

JOHNSON & STOKES, Seedsmen, 217 & 219 Market St., PHILA., PA.

Mention the Florists' Exchange when writing.

ESTABLISHED 1802

THORBURN'S SEEDS

We have still left some fresh seeds of the following PALMS in fine condition:

KENTIA FORSTERIANA

per 1000, $4.00; 5.00 to 10.000, $3.50; 10,000 and over, $3.00.

—ALSO—

CYCAS REVOLUTA STEMS

In assorted sizes, 3 lbs. to 12 lbs., $3 per 100 lbs., while unsold.

J. M. THORBURN & CO.

Late of 15 John Street

36 CORTLANDT STREET, NEW YORK

Mention the Florists' Exchange when writing.

New Early Blooming **GIANT COSMOS**

Superb Mixed, $1.50 per Oz.

This Grand Cosmos commenced blooming **Early in June,** and is in its glory at this date—July 1st.

Orders Taken for Sept. Delivery.

MRS. THEODOSIA B. SHEPHERD,

Ventnor-by-the-Sea, Cal.

Mention the Florists' Exchange when writing.

NOW IS THE TIME TO BUY

SMILAX SEED

NEW CROP.

25c. per oz.; $3.00 per lb.

EVERY SEED WILL GROW

HENRY F. MICHELL

1018 Market St., Phila.

WHOLESALE PRICE LIST OF SEEDS, BULBS &c. ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS

Mention the Florists' Exchange when writing.

Danish Cauliflower Seed

Early Dwarf Danish Snowstorm, selected up and grown by the leading specialist of Denmark. Always uniform; fine large white heads, early. No better seed offered at any price.

One Quality Only. The Best.

$2.50 Per Ounce. Per Ounce, $2.50.

A. E. WOHLERT, Importer, Altoona, Pa.

Mention the Florists' Exchange when writing.

PALM SEEDS

FRESH ON HAND.

	100	1000	5000
Phœnix Tenuis	$0.75	$5.00	$13.50
" Pumila	1.00	6.00	22.50
Pandanus Utilis	1.25	10.00	27.50
Asparagus Plum. Nanus, true	1.25	9.00	26.50
" Sprengeri	.75	6.50	18.00

I. L. SCHILLER, 404 E. 34th Street, New York.

Mention the Florists' Exchange when writing.

IMPORTANT

Before ordering any goods anywhere send in **your list of wants** for lowest **GUARANTEED** prices.

F. W. O. SCHMITZ, Jersey City, N. J.

Mention the Florists' Exchange when writing.



Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Cincinnati, O., President; F. W. BOLGIANO, First Vice-President; S. G. COURTEEN, Milwaukee, Wis., Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

W. Atlee Burpee in California.—

Mr. Burpee is on his annual tour through California. In a recent interview with a representative of the Los Angeles Herald, he is reported to have said among other things:

"There is going to be an onion famine. You know nine-tenths of all the onion seed used in the United States comes from California. We have immense yields from Gilroy and Arroyo Grande, in the Santa Clara valley. Unfortunately, the reports from all this district this year are very discouraging, and the yield of seed will only be from one-third to one-half the normal crop. Many large firms are reporting almost total failures, and the outlook is very dismal, and unless changed by the late rains it will be impossible to make up the supply.

"We depend almost wholly on California for seeds, you know; 99 per cent. of all the lettuce seed comes from California, and 95 per cent. of all the Lima beans. The bean outlook is bad. There was an advance of almost 50 per cent. in December, and the prices then were high. The bean supply comes almost entirely from Saticoy, Carpenteria, Lompoc and Santa Paula. Indeed they produce almost all the lima bean seed grown for the world.

"I shall visit Thomas Rafferty of Santa Ana. He is raising for us a very superior quality of grand flowered cyclamen. Then I start north, stopping at Santa Paula, where Bodger & Son are growing us fine asters. At Ventura I shall visit Mrs. Theo. B. Shepherd, who is producing for us two beautiful new novelties in nasturtiums, one with her happy faculty for selecting names, she calls Butterfly, the other, a companion, not yet named. Both are tall growing, or climbing; both have very large flowers, brilliant in coloring and fine for seed. The three nasturtium we have introduced originated with Mrs. Shepherd. 'Moonlight' and 'Sunlight' are both finely placed varieties; the latter is golden yellow, the former light cream. The third one introduced this year is called 'Caprice,' happy in name and remarkable in character, producing from three to six types of blending in color of flowers upon a single plant, with unusually dark foliage for a background.

"Mrs. Gould's petunias at Ventura are fine. She is making surprising results for us in her different strains.

"In Santa Barbara and Goleta I shall give all my attention to beans. We have a distinctive type now grown in California, new, too, which is known as Burpee's Willow Leaf. It is a bush lima, very productive and of the Silva type, with beautiful foliage, cut like the foliage of a willow tree, beautiful enough for a flower garden. At Santa Clara I shall visit the great ranch of C. C. Morse & Co. The death of Mr. Morse, upon May 5, was a great loss to the community. He was one of the pioneers in California in seed growing. Mr. Morse's business is carried on by his son, Lester L. Morse, under the direction of several Chinese foremen, who are gardeners of remarkable ability. Two of these men, Ah. Him and Henry, have the direction of 300 men. They are most able gardeners, and have most wonderful heads for selecting and propagating.

"At Santa Rosa I shall spend a little time with that wonderful 'Wizard of Horticulture' on the Pacific coast, Luther Burbank, to see what new creations he has in process of development. We are giving a wide area in our Philadelphia farms now to his remarkable silver-lined poppy which is peculiarly marked on each petal, as if overlaid with tissue paper."

European Notes.

The situation is practically unchanged, for while the English growers have enjoyed the benefit of some good rains, this is more than neutralized by the persistent drought which obtains in the most important districts of France and Germany.

Beet and mangel, also carrot and endive, continue to make fairly satisfactory progress; the conditions are as favorable as can be desired if we get rain during the next seven days. If not—we shall see. At any rate we will live in hope if we die in despair. The cruciferæ has said its last word; the place thereof knows it no more—this season.

EUROPEAN SEEDS.

St. Louis.

The Market.

There is practically nothing new from this point. Business is from fair to poor, with good stock very scarce. Asters are beginning to arrive in small lots, also a few tuberoses. A spell of quite hot weather has played havoc with sweet peas, and they will soon be no more in this part of the country. Quite a few outdoor carnations are arriving. There will be a good supply of these flowers later, as several growers have planted largely. The best roses sell as high as 5c.; carnations at 1c. to 1½c. There is little or no demand for a lot of poor stock sent in.

News Notes.

C. Young & Sons Co. will rebuild and extend some houses for carnations this Summer. They have their several houses replanted with roses, that are looking well. The same can be said of chrysanthemums, of which they are growing a number of houses. They are trying a new plan with the latter, planting them in boxes, made to fit the benches; and will later move the chrysanthemums into houses now full of asters.

Henry, and possibly James Young will attend the New York Convention. John Young will, as usual, take a sojourn at Atlantic City, and no doubt run over to the Convention, too.

S. S. Sidelsky, of Philadelphia, is in town. C. C. S.

Kalamazoo, Mich.

A local paper reports the formation of a new stock company, with a capital of $10,000, for the purpose of extending the scope of the Central Nursery Co., and building a large range of greenhouses. Land has been acquired in the northwest of the city, and the work of erection will begin at once. It appears several of our local capitalists are interested in the company, which will be under the general management of Mr. Cook, lately with the Dunkley Floral Co., of this city.

Van Bochove Bros. are erecting a violet house 20x150 feet. Mountain Home are doing a few alterations, as also is the writer, which, while not extensive, will prove beneficial. B.

POTTED STRAWBERRY PLANTS IN 2 INCH POTS.

Ready July 20th. Send for Prices and List.

ROSES, CLEMATIS PANICULATA, HONEYSUCKLES and AMPELOPSIS, in 4 inch pots.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Mention the Florists' Exchange when writing

CALIFORNIAN SEEDS

Contract Prices for 1900 Harvest on Application.

WHOLESALE ONLY.

PERRY WATSON & CO., Sacramento, Cal.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR JAPANESE

FERN BALLS

Many thousand sold last season. Now is the time to place importation orders. Write for special prices for December delivery.

JAMES VICK'S SONS,

ROCHESTER, N. Y.

Mention the Florists' Exchange when writing

PLANT CULTURE

Hitherto Advertised as

Commercial Plants

Will be ready for delivery July 18, 1900

A two hundred page book, of inestimable value to all, for only $1.00.

A. T. DE LA MARE PTG. & PUB. CO., Ltd.

P. O. Box 1697, New York.

SEEDS Selected Stocks for Present Sowing and Planting.

Turnips, Cucumbers, Melons

Special Prices to Dealers.

WEEBER & DON, SEED MERCHANTS AND GROWERS,

114 Chambers St., NEW YORK.

Mention the Florists' Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

WHOLESALE PRICE LIST FOR FLORISTS AND MARKET GARDENERS

Mention the Florists' Exchange when writing

R. VAN DER SCHOOT & SON,

Wholesale Bulb Growers,

HILLEGOM, - - HOLLAND.

Our bulb stocks, now covering an area of over 150 acres, are by far the largest in Holland.

Established 1830.

Mention the Florists' Exchange when writing

COX SEED CO.

Wholesale Seedsmen

14 & 16 Ninth Ave., NEW YORK. 411, 413, 415 Sansome St., SAN FRANCISCO.

Mention the Florists' Exchange when writing

MICE-PROOF

SEED CASES and DRAWERS.

Send for Catalogue.

HELLER & COMPANY, Montclair, N. J.

Mention the Florists' Exchange when writing

SEND LIST

Of all BULBS and PLANTS required next Fall and receive SPECIAL LOW QUOTATIONS from

RULSEBOSCH BROS., Englewood, N. J.

Mention the Florists' Exchange when writing.

MANETTI.

Suitable for grafting. Secure it now and save disappointment.

HIRAM T. JONES, Elizabeth County Nurseries, Elizabeth, N. J.

Mention the Florists' Exchange when writing.

EDWARD B. JACKSON,

Wholesale Florist.

Hardy Herbaceous Plants Only

In any quantity for the least money.

STAMFORD, CONN.

Mention the Florists' Exchange when writing

EVERGREEN!

An **IMMENSE STOCK** of both large and small sized **Evergreen Trees**, in great variety. Also **Evergreen Shrubs.**

CORRESPONDENCE SOLICITED.

THE W. H. MOON CO., Morrisville, Pa.

Mention the Florists' Exchange when writing

500,000 CELERY!

Strong, stocky, field-grown plants that will give satisfaction. 6 leading varieties, extra selected stocky plants, $1.50 per 1000; transplanted plants, $2 per 1000.

1000 Stevia, Dwarf, growing 20 to 24 inches high, will make large clumps till Fall; fine bushy plants, mostly 5 in. pots, 8 to 15 shoots, only $3 per 100.

1500 Marie Louise Violets, extra strong, healthy plants, out of 2½ in., $2.50 per 100; $20 per 1000. This is exceptionally fine stock. Cash, please.

WM. S. HERZOG, Morris Plains, N. J.

Mention the Florists' Exchange when writing.

THE PINEHURST NURSERIES,

OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.

Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda nitida, Fothergilla sinifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Dionæa muscipula, Lupinus diffusus, Phlox suhulata, Sarracenias, etc., etc. **Ask for Trade Lists.**

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS,	AZALEAS,
SPIRÆA JAPONICA,	LILIUM SPECIOSUM,
PÆONIES,	BLEEDING HEART,
POT GROWN LILACS,	HYDRANGEA IN SORTS.

CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing

FOR FALL DELIVERY.

FIELD-GROWN ROSES, CLEMATIS, ORNAMENTAL SHRUBS, TWINING PLANTS, Etc.

Our travelling representative, **Mr. J. Austin Shaw,** is now in the vicinity of CHICAGO, and we shall be pleased, on request, to have him call upon any prospective purchasers.

JACKSON & PERKINS CO., Newark, New York.

Mention the Florists' Exchange when writing.

SURPLUS FOR SPRING 1900

Can yet do **PEACHES** and **JAPAN PLUMS** in limited quantity; also **MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY STRAWBERRIES** from best leading varieties.

Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.

ALEX. PULLEN, PROPRIETOR.

Mention the Florists' Exchange when writing.

FRUIT and ORNAMENTAL TREES,

Shrubs, Vines and Roses

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., Geneva, N. Y.

Mention the Florists' Exchange when writing

VEGETABLE PLANTS

Fine, large plants, ready to plant out.

CABBAGE 5 leading varieties. $1.00 per 1000.

BRUSSEL SPROUTS $1 per 1000.

CAULIFLOWER H. Early Snowball, $1.50 per 1000.

PEPPERS Bullnose and other varieties, $1.50 per 1000

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

Yucca Filamentosa

Fine, large plants, $10.00 per 100.

SAMUEL C. MOON, Morrisville, Pa.

BUCKS CO.

Mention the Florists' Exchange when writing.

PLANT CULTURE

Hitherto advertised as COMMERCIAL PLANTS, will be ready for delivery July 18, 1900. A two hundred page book, of inestimable value to all, for only $1.00.

A. T. DE LA MARE PTG. & PUB. CO., Ltd.
P. O. Box 1697, New York.

F. & F. NURSERIES

SPRINGFIELD, NEW JERSEY.

Wholesale Growers. TREES AND PLANTS in full assortment. Trade Catalogue Free.

Mention the Florists' Exchange when writing

ANDORRA NURSERIES

WILLIAM WARNER HARPER, Prop., Chestnut Hill, Philadelphia, Pa.

SPECIALTIES: Large Specimen Ornamental Trees. Large Hardy Rhododendrons and Azaleas.

Mention the Florists' Exchange when writing

TREES

Fruit Trees, Small Fruits, including grapes. Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. Rochester, N. Y.

Mention the Florists' Exchange when writing

THE STORRS & HARRISON CO., Painesville, Ohio

Desire to call the attention of Florists and Nurserymen to their 40 acres of **HARDY ROSES**, their complete assortment of **FRUIT** and **ORNAMENTAL TREES** and **SHRUBS**, and their 44 Greenhouses of **ROSES, PALMS, FICUS, FERNS, ETC.**

Correspondence and personal inspection solicited. Trade List and Catalogues free.

Mention the Florists' Exchange when writing.

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN.

THEODORE J. SMITH, Geneva, N. Y., President; N. W. HALE, Knoxville, Tenn., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

Nurserymen Advance Prices.—The Des Moines (Ia.) Leader says:

An advance in the price of fruit trees of from 50 to 75 per cent. has been declared by all the nurseries of the middle West.

The increased demand for stock is the principal factor in the present rise in the price of trees. The fruit tree men say that the increased demand for their goods is superinduced by two causes. First, is the general prosperity of the farmers in the middle West, which enables them to buy trees, and pay for them what the nurserymen call a good living price. Another cause for the increased demand is that two years ago a large number of trees and grapes were killed by root-killing. Thousands of young trees that would have matured for market in 1899 or 1900 were killed, thus causing a scarcity of trees. One Iowa nursery is said to have lost over 1,000,000 apple trees alone, and other nurseries sustained a proportionate loss. The area in which the root-killing was most effective extended from central Nebraska to eastern Ohio, and from southern Minnesota to central Missouri.

Apple trees have been advanced from 60 to 75 per cent. in the wholesale market, and retailers will make a corresponding advance. Cherries and grapes are advanced from 200 to 300 per cent., and the nurseryman who has a good supply of either need not worry himself about going to the Klondike or Cape Nome. Other trees and shrubs will be advanced in price this year.

At the meeting of the American Association of Nurserymen in Chicago it was ascertained that most of the eastern nurserymen are planning to work the Northwest thoroughly this year. It is expected that the sales in Iowa, Minnesota, Nebraska, the Dakotas and other Western states will be larger this year than ever before."

Hon. Albion P. Hall, of Placerville, Cal., Secretary of the Peuryn Fruit Co., died June 28 last.

Plums, a Comparison of Varieties.—About 175 varieties of plums have been planted in the Ohio Agricultural Experiment Station orchard, and nearly half of these have borne fruit, but the trial has been too short for critical comparison in all cases.

The following is the Station's summary on the experiments made, as given in bulletin 113:

Native plums are divided into several groups, but it may be said of them, as a whole, that they are injured less by the curculio, are not so liable to rot, and are hardier than European varieties.

Native plums are infertile when planted alone, and where a few varieties are planted, care should be taken to select varieties which bloom at about the same time, in order to insure fertilization of blossoms.

The Americana group is the hardiest of the natives, as well as of all other classes. The trees are vigorous, with dark green leaves; the fruit is firm, with thick skin, dull in color, but usually high in quality, although having more or less astringency next to skin and stone. Some of the varieties of this class are desirable for home use, but, owing to rather unattractive appearance, but few of those now known are likely to prove profitable for market. The following are some of the most desirable that have been grown here: American Eagle, Champion, Hawkeye, Illinois Ironclad, Lonisa, Rollingstone, Weaver.

CELERY and CABBAGE

CELERY Pink Plume, (extra strong) Golden Self-Blanching, Giant Pascal, Golden Heart, New Rose, and other varieties, 15 cts. per 100; $1.00 per 1000; $8.50 per 10,000.

CABBAGE H. Succession, Second Early, Premium Flat Dutch, Late Drumhead, Savoy, and other vars., 15 cts. per 100; $1.00 per 1000; $8.50 per 10,000.

KALE Dwarf Green Curled Scotch, same price as Cabbage.

If any of the above plants by mail, add 10 cts. per 100. Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

The Miner group is intermediate between the Americana and Wild Goose groups, and includes some choice varieties for culinary purposes. The following are desirable: Forest Rose, Miner, Prairie Flower.

The Wild Goose group: The varieties of this class are mostly vigorous and very fruitful. The foliage resembles that of the peach, the fruit is thin-skinned, juicy, and often watery, and usually not of high quality. Although not as hardy as the Americana species, all varieties that have been grown here have endured our winters. In some sections the fruit of varieties of this class is in good demand in the market, but in this state it usually sells at a lower price than that of the Domestica class. The following are worthy varieties: Choptank, Milton, Poole's Pride, Wild Goose, Whitaker.

The Wayland group: Similar in habit of growth to Wild Goose, but the foliage is more shiny, the trees being quite ornamental. The fruit is very firm, not watery, and of fair quality, and in most cases, very bright and beautiful in color. The following are desirable varieties: Golden Beauty, Reed, Sucker, State, Wayland, Moreman.

The Chickasaw group: Rather dwarfer and more spreading than the Wild Goose group. Fruit juicy, watery and, usually, not of high quality. The least desirable of any of the native groups for domestic uses. The following are among the best varieties: Newman, Pottawattamie, Yellow Transparent.

The Triflora group, or Japanese plums: Trees robust in habit and mostly very fruitful. Fruit usually handsomely colored and of good quality, but most varieties quite inclined to rot. Trees bloom very early, and most varieties are rather tender in bud. As a class, the Japanese sorts have been overrated, but many of the varieties possess considerable merit. The following are some of the best that have been fruited here: Abundance, Chabot, Burbank, Ogon, Red June.

The Domestica group: This is the well-known European plum. At present it is the most important class, although subject to numerous diseases and very liable to the attacks of the curculio. The following varieties have been found to be valuable, both here and in other portions of the state: Arch Duke, Bradshaw, Coe's Golden Drop, Grand Duke, German Prune, Gneii, Imperial Gage, Lincoln, Prince of Wales, Reine Claude de Bavay, Yellow Egg.

Hybrid plums: But two varieties of this class have fruited here, viz.: Gold and Juicy. Both are very prolific, beautiful in color, but somewhat deficient in quality. More time is required to determine their value.

Chestnut Hill, Pa.

The regular monthly meeting of the Chestnut Hill Horticultural Society was held at Joslin Hall, on Tuesday evening, July 10. An attendance of 68 made an enthusiastic meeting, and the exhibits were all of high quality. Premiums were awarded as follows:

For six varieties of sweet peas, 25 blooms of each variety, first, R. G. Carey, gardener to T. C. Price, Esq., Chestnut Hill; honorable mention to Wm. Robertson, gardener to J. W. Pepper, Esq., Jenkintown, Pa. Collection of annuals, first, Wm. Kleinheinz, gardener to Mr. P. A. B. Widener, Ogontz. One quart of raspberries, first to Harry Harris, gardener to Mrs. Fell, Chestnut Hill; honorable mention to John Little, gardener to John Lowher Welsh, Esq., Chestnut Hill. One quart of currants, first, Frank Gould, gardener to John T. Morris, Esq., Chestnut Hill. Collection of cut blooms of herbaceous plants, not less than six varieties, first, Wm. Kleinheinz. Special mention was made of the following: A splendid collection of single and double tuberous-rooted begonia flowers exhibited by Wm. Kleinheinz; collection of Iris Kæmpferi, three choice specimen plants of fancy leaved caladiums and specimen plants of Clerodendron Balfourii, and calanthes; also three extra well-grown and solid heads of cabbage, exhibited by Frank Gould, gardener to John T. Morris, Esq.; a vase of hardy white sweet peas (Lathyrus latifolius albus), and a fine display of four varieties of gooseberries, exhibited by Robert Carey, and a collection of hardy phlox (P. decussata) new varieties, exhibited by the Andorra Nurseries.

The next meeting of the Society will be held August 14. J. H. H.

C. H. JOOSTEN, SPECIAL, CANE PLANT STAKES, 6 to 7 feet, per 1000, $6.00; per 250, $1.75.
KENTIA BELMOREANA SEED, per 1000, $4.50; per 3500, $14.00.
Catalogue of FALL BULBS and PLANTS on Application. 85 DEY STREET, NEW YORK.
Mention the Florists' Exchange when writing.

Canadian Horticultural Association.

To the Florists of the United States.

GENTLEMEN—On the part of the members of the Canadian Horticultural Association, I wish to offer you a most cordial invitation to attend our Third Annual Convention, at Montreal, which will take place on the 16th and 17th of August, next, I can assure you that it will give us great pleasure to fraternize with you on that occasion, and to reciprocate in the most ardent manner, the very kind hospitality that many of us have received from you, when we have had the pleasure of attending the convention of the S. A. F. in the different cities of your great Republic.

You will notice that our dates have been so arranged that our meeting will not clash with your own, in New York, the following week. Many of us intend to be with you on that occasion, and we hope that a large number from your side of the line will make the round trip and stay with us for a couple of days before going to New York.

I will not attempt to enumerate the advantages and pleasure to be derived from such a trip. Just come and see for yourselves—and come in large numbers; we can accomodate you all.

Yours sincerely,
JAMES MCKENNA.
President Canadian Horticultural Association Montreal.

Arrangements have been made with all the railroad companies having connection with Montreal for a fare-and-a-third for the round trip, on the certificate plan. You purchase a full fare first-class ticket at the starting point, for Montreal, and take a certificate from your agent, showing that you paid full fare, and when countersigned by the secretary of the C. H. A. before the 20th of August, you will be entitled to a return fare for one-third what you paid at starting.

The following is a list of hotels in the immediate vicinity of the convention hall, where first-class accommodation may be had:

Windsor, Dominion square, American plan, $3.00 per day and up.

Queen's, St. James street, American plan, $2.00 to $3.00 per day.

St. James', St. James street, American plan, $1.50 to $2.50 per day.

Carslake's, St. James street, European plan, $1.00 per day.

Turkish Baths' Hotel, St. Monique street, European plan, $1.00 per day.

Turkish Baths' Hotel, St. Monique street, American plan, $2.00 to $2.50 per day.

Avenue House, McGill College avenue, American plan, $1.50 to $2.50 per day.

The Oxford, University street, American plan, $1.00 per day.

The Savoy, Victoria street, European plan, $1.00 per day.

There are a half dozen first-class cafés within five minutes' walk of the convention hall, where meals may be had at from 15c. to 25c. as well á la carte.

Following is the program for the Convention of the Canadian Horticultural Association, to be held in Montreal, Thursday and Friday, August 16 and 17 next:

FIRST DAY—Thursday, August 16, 1900.
Opening Session, 10:30 a.m., Natural History Hall, 32 University street.
Address of welcome—The Mayor of Montreal.
Response—Mr. F. C. Miller, Toronto.
President's Address—Mr. J. McKenna, Montreal.
Reports of Secretary, Treasurer, Standing Committees and Special Committees.
Appointment of Trade Exhibition Judges.
Miscellaneous.

SECOND SESSION, 7:30 p.m., Thursday, August 16, 1900.
Discussion on President's Address.
Address by Professor Fletcher, Entomologist and Botanist, Central Experimental Farm, Ottawa.
Roses Up to Date—Mr. J. H. Dunlop, Toronto.
How to Make a Private Place Most Attractive—Mr. G. Robinson, Montreal.
Question Box.

THIRD SESSION, 10 a.m., Friday, August 17, 1900.
Public Parks and Gardens—Mr. John Chambers, Park Commissioner, Toronto.
Violets—Mr. Wm. Fendley, Brampton.
The Advantages of Organization in Our Business—Mr. S. S. Bain, Montreal.
Herbaceous Plants—Mr. T. Manton, Eglinton.
Choice of place for next meeting.
Question Box.

FOURTH SESSION, 7:30 p.m., Friday, August 17, 1900.
Heating and Ventilating—Mr. R. W. King, Toronto.
Commercial Orchids—Mr. J. Goodier, Exhibition Park, Toronto.
Carnations Up to Date—Mr. Wm. Gammage, London.
Question Box.
Election of Officers.
Final Committee Reports.
Saturday the delegates will be the guests of the local committee.

ADIANTUM CUNEATUM
3000 1¼ inch pots, pot bound and ready for a shift, $20 per 1000. Speak quick. Cash with order.
DEAN & PARSE, - - SUMMIT, N. J.
Mention the Florists' Exchange when writing.

LACE FERNS Pellaeychum Wollastoni. The finest on the market to-day for cut and centerpieces. We have one houseful in different sizes on hand. Will send you a sample, then judge yourself. 1 plant, 6 in. pan; 3 plants, 3 in. pots; 10 young plants, by express, for $1; 100 price on application.
500 **Asparagus Sprengeri Seedling,** ⅛ year old, $10.00.
ALBERT KNAPPER, Frankford, Philadelphia, Pa.
Mention the Florists' Exchange when writing.

FINE PALMS.
Kentia Belmoreana and **Forsteriana**—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, from $2.50 upwards.
Phœnix reclinata, 4 in. pots, $20 per 100; 5 in. pots, $40 per 100; 6 in. pots, 35c. each; 7 in. pots, $1.25 each; specimen plants, $2.00 upwards.
Areca Lutescens, 3 in., $15 per 100; 4 in., $25 per 100.
Latania Borbonica, 4 in., $20 per 100.
JOHN BADER, Troy Hill, Allegheny, Pa.
L. D. TELEPHONE 872A.
Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis
The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.
Mine is the Genuine Stock.
FRED. C. BECKER, Cambridge, Mass.
1730 CAMBRIDGE ST.
Mention the Florists' Exchange when writing.

GODFREY ASCHMANN,
1012 Ontario St., Philadelphia, Pa.,
General Agent for the United States for the sale of products from
OMER VAN DEN PLAS, Horticulteur, Loochristy, les Gand, Belgium,
Offers a large stock of AZALEAS, RHODODENDRONS, ARAUCARIAS, PALMS, ETC., at lowest rates. Send for prices. All orders must be addressed to me only.
Mention the Florists' Exchange when writing.

JOSEPH HEACOCK,
WYNCOTE, PA.
GROWER OF
ARECA LUTESCENS,
KENTIA BELMOREANA,
and KENTIA FOSTERIANA.
Mention the Florists' Exchange when writing.

ASPARAGUS Sprengeri, 2 in. pots, $4 per 100. Plumosus Nanus, 2 in. pots, $5 per 100.
Phœnix Canariensis, 4 inch, showing characterized leaf, $2.50 per doz.; $15 per 100.
Mixed Fern Spores, $1.00 per large package.
EMERSON C. McFADDEN,
U. S. Exotic Nurseries, - SHORT HILLS, N. J.
Mention the Florists' Exchange when writing.

TO EXCHANGE.
1000 4 inch
Latania Borbonica
(Good strong plants, $15.00 per 100) for
BOSTON FERNS,
2, 3 or 4 inch pot plants. Address
W. J. HESSER, Plattsmouth, Neb.
Mention the Florists' Exchange when writing.

1 Large Specimen Plant of
CYCAS REVOLUTA
Write for descriptions, etc., to
John A. Smethers & Son, Berwick, Cal. Co., Pa.
Mention the Florists' Exchange when writing.

FERNS Our Specialty.

A Grand Stock of MAIDEN HAIR FERNS, in 4 in., ready for 5 in. pots..	$8.00	$75.00
Full-grown plants, in 2½ in., ready for a shift	3.50	30.00
Fine lot of ASSORTED FERNS for Jardinieres, all the best varieties, in 2½ inch pots	4.00	35.00
Asparagus Sprengeri, 5 in. pots	15.00	
Gardenia Florida, strong, healthy plants, 5 in. pots	15.00	
Gardenia Florida, 2½ in. pots, extra strong	4.00	

Money returned if not satisfactory.
Terms Cash or C. O. D.
ANDERSON & CHRISTENSEN, SHORT HILLS, N. J.
Mention the Florists' Exchange when writing.

Adiantum Cuneatum
2½ in. pots, $4 per 100; 3½ in. pots, $6 per 100; 3½ in. pots, large plants, $10 per 100; selected plants, 3½ in. pots, $12 per 100.

Asparagus Sprengeri
2½ in. pots, $4 per 100; $30 per 1000.
3 in. pots, $5 per 100.

We also have a few hundred **ROSE PLANTS, Bridesmaids,** left yet, which we offer at $6 per 100.
EDW. J. TAYLOR, Southport, Conn.
Mention the Florists' Exchange when writing

BOSTON FERN—A Specialty
L. H. FOSTER, 45 KING STREET, Dorchester, Mass.
Mention the Florists' Exchange when writing



Send for Our List of
Kentias, Latanias, Ficus,
Asparagus, Dracænas, etc. Ask for our price list of Perpetuated Palms. Samples sent on request. Address
THE GEO. WITTBOLD CO., Chicago,
1708 N. Halsted Street.
Mention the Florists' Exchange when writing.

BOSTON FERNS
N. Exaltata Bostoniensis.
Small plants, $5.00 per 100 or $40.00 per 1000; large plants, $6.00 to $20.00 per 100.
—ALSO A FINE LOT OF—
Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 in. pots, $3.00 and $4.00 per doz.
Asparagus Plumosus, 2½ in. pots, $5.00 to $6.00 per 100; 3½ in. pots, $12.00 per 100.
Asparagus Sprengeri, 2½ in. pots, $5.00 to $6.00 per 100; 3½ in. pots, $12.00 per 100.
Araucaria Excelsa, $1.00 to $2.00 each.
Rubber Plants, $4.00 per doz.
WM. A. BOCK, No. Cambridge, Mass.
Unknown correspondents will send cash with orders. Connected with Telephone.
Mention the Florists' Exchange when writing.

ASSORTED FERNS IN FLATS
Ready for potting, $2.00 per flat.
If you are in the market for FERNS, this is the most advantageous way to buy in a stock at a little cost. Each flat contains 110 clumps of small plants, which can be divided in 3 to 5 plants, according as you wish them.
BOSTON FERNS, ready for 3 in. pots, $6.00 per 100; 4 in. pots, $20.00 per 100, $2.50 per doz.
5-6 in. pots, $35.00 per 100; $4.50 per doz.
ASPARAGUS PLUMOSUS NANUS, 3 in. pots, extra fine, $8.00 per 100.
" " **SPRENGERI,** 3 in. pots, $6.00 per 100.
KENTIA BELMOREANA, 2½ in. pots, $10.00 per 100; 4 in. pots, $40.00 per 100.
" " **FORSTERIANA,**
6-7 in. pots, $1.50, $1.75, $2.00, $2.50, $3.00, up to $5.00 each.
BOBBINK & ATKINS, Rutherford, N. J.
Mention the Florists' Exchange when writing

WALTER RETZER & Co.
WHOLESALE
PALM GROWERS
2045-59 CLARENDON AVE. (N. Halsted St.) CHICAGO, ILL.
WRITE TO US FOR PRICES BEFORE BUYING ELSEWHERE.

BOSTON FERNS!
$5.00 per 100; $40.00 per 1000. Large plants from 50 cts. to $3.00 each.
SEEDLING FERNS Pteris Cretica Albo-Lineata, $1.25 per 100; $10.00 per 1000.

KENTIA BELMOREANA Seedlings, $40.00 per 1000; 2 in. pots, $60.00 per 1000. Also plants, from $1.50 to $8.00 each.
ARECA LUTESCENS SEEDLINGS.....$2.00 per 100; $18.00 per 1000
PANDANUS VEITCHII.....fine large plants in 8 inch pots, $2.00 to $2.50 each
PANDANUS UTILIS.....3 inch pots, from $1.00 to $1.50 each
JOHN SCOTT, KEAP STREET GREENHOUSES, **BROOKLYN, N. Y.**
Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

GERMAN, age 27 years, looks for position as private gardener. Address V. G., care Florists' Exchange.

SITUATION wanted in general greenhouse, by young man of limited experience, willing to work. Address V. F., care Florists' Exchange.

SITUATION wanted by young man, age 24; seven years' experience in general greenhouse work. Address W. E. Rau, 108 Bay View Avenue, Jersey City, N. J.

SITUATION wanted, by a practical grower of roses, carnations, 'mums, violets, decorative plants; a first-class place with good wages expected; reterences O. K. Foreman, 249 N. 10th St., Philadelphia, Pa.

FLORIST wishes engagement; 20 years' experience in all branches, also in cemetery work; married; best references. Address V. I., care Florists' Exchange.

YOUNG man, 21, 3 years' experience in greenhouse, strong and willing, wishes re-engagement as assistant in private or commercial place. T. W., care Florists' Exchange.

SITUATION wanted by young man, good experience with roses, carnations, general bedding stock and decorative plants; capable to take charge of section. Address V. D., care Florists' Exchange

SEEDSMAN wishes engagement, is experienced and practical, of quick business habits and adaptive disposition; successful in managing men; full particulars at interview or by letter; references first-class. T. K., care Florists' Exchange.

SITUATION wanted by A1 grower of high-grade roses, carnations, 'mums, violets, palms, ferns, and stock in general; 8 years' experience, best references; single, age 25. Address T. Z., care Florists' Exchange.

SITUATION wanted as working foreman; capable of taking full charge of large establishment where high-grade stock is wanted; 15 years' experience; best of references; state terms. V. A., care Florists' Exchange.

SITUATION wanted, private or commercial; life experience, florist, landscape, etc.; successfully in business several years; has all utensils, pots, and some stock; charge or foreman; run good place on shares or rent; A1 references; married; small family. Joseph Brann, Englewood, N. J.

SITUATION WANTED BY A FLORIST, as salesman or bookkeeper, with a wholesale florist in New York. Address V. C., care Florists' Exchange.

HELP WANTED.

WANTED—Florist clerk and designer; some knowledge of plants and seeds required; wages $12.00 per week. Apply in person. John Keck, Bridgeport, Conn.

WANTED—A married man, experienced as a grower of carnations, to take charge of modern house, 300x25 feet. Must also be willing to board a few of the assistants. Briarcliff Greenhouses, Scarborough, N. Y.

WANTED—A first-class all-around greenhouse foreman, for commercial place in the South; must be a successful grower of roses, carnations, violets, etc.; good place and good wages to the right man. Address, giving references and experience, V. B., care Florists' Exchange.

WANTED—A good all-around man for general greenhouse work; must be good at potting and planting; one that is not afraid of work; permanent position for the right man; state wages expected. John H. Ramsey & Co., Bath, Me.

WANTED—A competent florist to take charge and work a small commercial place; I grow 3000 carnations, 300 roses, flowering plants, no bedding plants; and buy palms, ferns, and most of roses; have a few orchids grown under my directions; must be good maker-up, sober, honest, industrious, of good personal appearance, and talk English well; wages to start, $25.00 per month, and I pay board. Dr. Geo. W. Little, 47 Ridge St., Glens Falls, N. Y.

WANTED, BY AUGUST 15th—A competent man, who thoroughly understands the growing of carnations and bulbs, one that is not afraid of work; permanent position for the right man; married man preferred. A. V. D. Snyder, Ridgewood, N. J.

Mention the Florists' Exchange when writing.

Firms Who Are Building.

TOLEDO, O.—H. J. Crane is adding another greenhouse to his already large establishment.

WELLSVILLE, O.—W. A. Herbert is building one new house, 18x102 feet.

OCEANIC, N. J.—Hon. C. N. Bliss (N. Butterback, gardener) is building one palm, one intermediate, one carnation, one rose, one fern, one violet and propagating house; also fire-proof workroom and office. The contract has been awarded to Lord & Burnham Co., New York. B.

BUSINESS OPPORTUNITIES.

AN old establishment for sale; good retail trade, 10 greenhouses, 15 lots of land, small dwelling house. T. Y., care Florists' Exchange.

FOR RENT.—Three greenhouses, each 140x20 ft., hot water heating, city water, dwelling and stable if required; 14 miles from New York; suitable for growing roses and carnations; first-class retail trade. V. H., care Florists' Exchange.

FOR SALE—Half interest or whole of nursery, in thriving city in California. Owner having taken outside contracts, wishes partner with some experience to manage nursery; good opportunity for industrious young man with small capital. Address 2113-2121 Central Avenue Nursery, Los Angelos, Cal.

FOR SALE—Place of 25,000 feet of land, ten miles out of Boston, with 72-foot greenhouse, a two-tenement house, stable, etc.; electrics pass door; three minutes from nearest R. R. station, five minutes from two others. For further particulars apply to F. J. Norton, 61 Mass. Ave., Boston.

FOR SALE—8 greenhouses, double span, all sashes 3 ft. 9 in. wide 6x8 glass, bedded in putty and white lead; 1 house, 4x8 ft. sash; 3 houses 6 ft. sash; 2 houses, 8 ft. sash; 1 house, 8 ft. and 12 ft. sash, all 75 feet long; 1 house, 12 ft. sash, 58 ft. long; 1 house, 12 ft. sash, 78 feet, 8x10 glass; rafters and ridges first-class pine, all in good order; 3500 feet 4 in. pipe. J. O. Pfordt's Sons, 899 Broadway, Albany, N. Y.

FOR SALE—Mushroom plant, 8 miles from New York, fine place of 20 lots with privilege of 30 lots additional; four fine cellars in good working order, chicken houses to accommodate 500 fowl; fruit of all kinds; near two cemeteries; ideal place for florist, small fruit grower, or for incubator plant; rich soil; convenient to trains and trolley; 10c. fare to New York. 7 room brick house and small frame house large barn, fine water, electric lights, good roads. A bargain to quick buyer. T. K., care Florists' Exchange.

ESTABLISHED FLORISTS' BUSINESS for sale cheap. Sands, 2166 7th Ave., New York.

FOR SALE—A MOST DESIRABLE florists' establishment, in perfect order and repair, near New York, planted with the finest commercial varieties of chrysanthemums; 4 modern greenhouses, fine residence, orchard, barn, tools, etc. Reasonable price. Apply to "Goodell," 454 W. 151st St, New York City.

MISCELLANEOUS.

FOR SALE.—One 18 horse upright boiler, one 60 horse locomotive boiler, one Dean steam pump, cheap. P. O. Box 95, Newtown, Bucks Co., Pa.

FOR SALE, some extra good second-hand 3-inch pipe, at 6c. per foot; also some 4-inch; secure it while it lasts. W. H. Salter, Rochester, N. Y.

FOR SALE—1000 to 1200 ft. second-hand, 4 inch cast iron pipe, 6 ft. lengths, good condition. Also Ts, Ells and fittings. H. V. Soule, 325 Coffin Avenue, New Bedford, Mass.

FOR SALE—Glass, D. F. 14x16; sash bars; pipe, 1¼ and 1½ in.; valves and fittings; used only a short time, in first-class condition. For prices and particulars address Wm. E. Jones, 406 Linden St., Rome, N. Y.

FOR SALE—14,000 feet of glass, used mostly for roses, 4 acres of ground and 2 dwelling houses; 3 minutes from station, city improvements, hot and cold water, and good forcing water in greenhouses supplied by Summit Water Co. On account of illness with rheumatism, will sell whole or part interest. A. Herth, Milburn, N. J.

FOR GREENHOUSE, HOT WATER heating, 1000 ft. of 3 in. boiler flues, 20 ft. lengths, 4 cts. per ft.; 70 boxes glass, 10x14 D, $2.60 per box; coil boiler, new, of 2 in. heavy pipe, $20.00; will beat house 20x70. G. H. Benedict, Yorkville, N. Y.

Mention the Florists' Exchange when writing.



The Queen of Edgely Bowling Trophy.

This is a silver cup of graceful design. It stands 32 inches in height, and is one of the most beautiful prizes as yet offered to the bowlers. It is presented to the Florists' National Bowling League by the Floral Exchange, Inc., of Philadelphia and Edgely, Pa. They have named it the Queen of Edgely Trophy in honor of their new pink American Beauty rose. It is given to the League without reserve, except that it has to be won twice by the same club before absolute ownership is awarded.

ROBERT KIFT.



The Queen of Edgely Bowling Trophy.

MISCELLANEOUS WANTS.

WANTED 3000 ft. of 10x12 glass, double thick, state price. George I. Laird, 3014 Fulton St., Brooklyn, N. Y.

WANTED to buy a gentleman's residence with good greenhouses where there is a good market for surplus, prefer it on the Hudson or some healthy place in small town where there is no opposition. Address two months, Geo. Wm. Dallaway, Watkins, N. Y.

WANTED to rent, about 5,000 feet of glass, with dwelling house and sufficient ground; all must be in good condition; Long Island preferred; rent must be reasonable; quick connection with New York. Address V. E., Florists' Exchange.

WANTED to buy, any good hardy herbaceous plants, new fruits, Logan berry, blackberries, etc., etc., in fact anything that is worth offering, that we have not on this side of the water. Collection of 2000 varieties perennials—descriptive catalogue free on application. Perry's Hardy Plant Farm, Winchmore Hill, London, N., England.

WANTED—A first-class budder wishes to secure a lot of peach trees to bud this season; many years' experience; can give references. Address Melville Pullen, care Jas. McColgan & Co., Atlantic Highlands, N. J.

Mention the Florists' Exchange when writing.

Chicago.—The following are the scores of the players on July 6, which average better, Winterson being high man with a score of 230 in one game and an average of 184 in three. Hauswirth again challenged Degnan, to be again beaten. Phil must wake up.

	1	2	3	4	Av.
F. Stollery	155	162	132	...	148
Asmus	195	175	174	160	176
Balluff	157	158	124	179	154
Kreitling	124	149	152	...	141
Hauswirth	138	120	156	...	137
Degnan	122	166	144	...	144
Winterson	154	170	230	...	184
Wilson	163	162	142	...	155

Ess.

Boston.—The scores made Monday evening were not up to the standard of those previously rolled. They follow:

	1	2	3	4	5
L. Cotter	102	...	...	...	88
G. A. Sutherland	106	149	96	131	149
F. J. Norton	106	132	101	132	115
E. J. Welch	..	139	127	109	115
Warren Ewell	..	...	101	88	111
W. J. Martin	..	...	145	103	124

N.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.

Mention the Florists' Exchange when writing.

Philadelphia.—The following scores were made on Wednesday night last, in the first series of games for position on the team to bowl at the Convention in August. Twelve games are to be bowled on outside, or central alleys.

Anderson	168	183	185	514
Connor	162	162	151	475
Moss	192	131	146	472
Harris	147	163	143	453
Walker	169	141	134	441
Westcott	138	165	117	420
Kift	158	101	143	400
Watson	142	124	107	373
Baker	146	117	108	371
Gibson	152	97	105	554

FLORISTS' AVERAGE FOR JUNE.—Moss 165, Harris 157, Kift 154, Anderson 152, Westcott 149, Gibson 148, Baker 145, Walker 144, Connor 138, Craig 136.

ASSOCIATE MEMBERS' AVERAGE FOR JUNE.—Hamilton 184, Johnson 168, Mooney 165, Moore 163, Knestner 157, Allen 154, Goebel 152, Archer 151, Peterson 146, Barnes 139, Erineman 129, Fallon 126, Lamb 124, Bousall 124, Reber 124, T. C. Brown 122, McKarrahar 117, Barrett 116, Fletcher 116, Stoneham 111, Shields 92.

D. RUST.

New York.—Monday afternoon a few members of the Flatbush Bowling Club visited the New York alleys and played one friendly game with the New Yorkers. To a bystander the game appeared to be one of great importance; extreme quiet prevailed from the first to the last frame, and it was plainly apparent that these two friendly opponents were feeling the strength of each other, in order to get a line upon what chances each stood of capturing some of the silver cups during the S. A. F. Tournament. At the finish the scores stood as follows:

FLATBUSH.

P. Riley	145
A. Zeller	165
P. Dailledouze	107
L. Schmutz	102
J. Thinnes	102
E. Dailledouze	145
Total	786

NEW YORK.

P. O'Mara	155
A. S. Burns	138
W. Marshall	127
J. Thielmann	154
W. A. Manda	150
W. Plumb	122
Total	846

On the adjoining alleys another game was in progress that made noise enough for both. John Young has a vocabulary which can be specially adapted to coaching a nervous thrower of the ball, and he kept it going. The scores made by this crowd were not so tall as some, but, the strict adherence to the scientific rules of the game are responsible for this. They are as under:

	1	2
J. Young	111	100
A. Wallace	110	112
S. S. Butterfield	131	90
C. G. Weeber	68	98
W. J. Stewart	95	124
J. I. Donlan	110	128
A. L. Miller	121	128

Flatbush, N. Y.—On the alleys, Thursday evening last, several members of New York's team rolled three games with the Flatbush boys, the home team winning two out of three. The scores made during the evening were as under:

NEW YORK.

	1	2	3
P. O'Mara	157	140	125
A. S. Burns	139	118	129
J. Donaldson	200	131	188
J. Manda	122	145	178
T. Roehrs	137	128	151
Total,	755	662	759

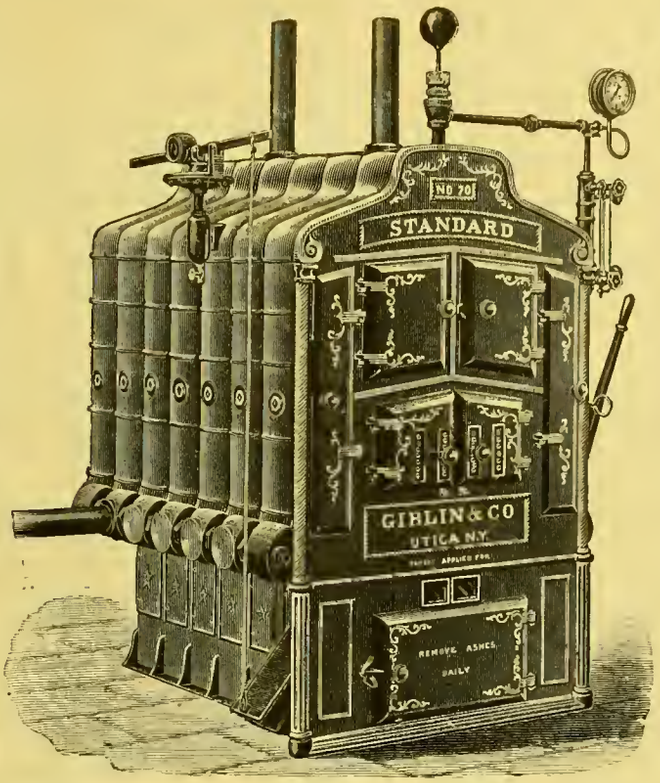
FLATBUSH.

	1	2	3
P. Riley	151	148	169
L. Schmutz	156	129	148
A. Zeller	143	169	151
D. J. Mellis	161	140	167
E. Dailledouze	145	166	137
Total,	717	752	772

OTHER PLAYERS:

W. A. Prosser	138	...
P. Dailledouze	159	100
C. Wocker	125	91
C. Woerner	125	90
H. Dailledouze	98	91
J. Thinnes	135	123
Papa Zeller	80	126
Geo. Heineman	152	...
J. I. Donlan	112	139
A. H. Langjahr	89	...

UTICA, N. Y.—Thomas E. Murphy and W. H. Toomey, have purchased of Florist Crowe a half interest in his business. Mr. Murphy is the son of ex-Alderman Murphy. Mr. Toomey has been connected with Mr. Crowe for four years. Peter Crowe will continue to manage the affairs of the new firm, which has been styled "Crowe & Co."



We Have Drawn Upon All

principles of boiler construction that were known at the time this boiler was designed, selecting the good and rejecting the bad

FEATURES

We have, therefore, a boiler that embodies a multitude of desirable features and its work has proved its excellent construction. For instance,

H. J. LEECH, Yeadon, Del. Co., Pa., says:

"The No 70 Standard Sectional Steam Boiler bought in 1899 is all you claimed it to be. It did all the heating for my 3000 feet of glass with one ton of Pea coal per week, and I carried a temperature of 65 degrees in the coldest weather we had, 4 above zero. I can run my fire by one firing, five hours at a time and have no trouble in keeping up 7 lbs. of steam. It is the best, quickest and most perfect steam generator I have ever seen, with such a small amount of coal. It has been inspected by a large number of florists and they all think well of it and I am sure you will hear from some of them."

WHAT HIS BOILER has done

every boiler we make will do. We want to hear from every florist who has an unsatisfactory heating apparatus, whether he buys or not. We can give him information that will be valuable and will send, without charge, our NEW GREENHOUSE BOILER CATALOG which should be a HANDBOOK for every florist.

Write now because cold weather is not many months away.

Mention this paper.

GIBLIN & CO., Utica, N. Y.

Cincinnati.

Market Notes.

We are now experiencing the usual summer dullness. The stock being received could be much better, but for the time of year it is very good. Carnations are still to be had, but of inferior quality. W. E. Hall, of Clyde, Ohio, is sending in some fine Flora Hill. This variety is yet far in the lead for an all-the-year-round white carnation.

Part of last week was extremely hot and it had a telling effect upon all stock coming in. Sweet peas are nearing an end. Plenty of candytuft, feverfew and balsam are to be had, also smilax.

It has developed within the past few days that the flowers to be used at the coming Fall festival will be made of paper. This is anything but encouraging news for the florists. One article states that the committee will put 500 girls to work making paper flowers for decorating the carriages.

Jottings.

Geo. S. Bartlett has returned from a ten days' pleasure trip in the mountains of West Virginia.

E. W. Guy, of St. Louis, spent a few days in the city this week. He left Monday morning for Richmond.

I see Buffalo is in the field for the next S. A. F. O. H. meeting and I trust same will be selected. Why separate the tail from the hide? We all want to see the great Pan-American, as well as to see the Great Scott. Chicago can afford to wait. E. G. GILLETT.

Boston.

The Market.

There is now little or nothing in the way of business going on. Early closing is not general as yet, though some stores have been closing at 5 P. M. for nearly two weeks past, which example all others should follow.

Stock, such as it is, is plentiful. There are very few good roses now, Carnots and Kaiserins being the best on the market. Bride and Bridesmaid are about over, and the outside hybrids are getting a little passe. Beauty, too, are shortening up in supply somewhat, and are not of so good quality as they have been.

Carnations are very plentiful, with little or no call for them. Sweet peas are abundant and though quantities are disposed of at low prices, many remain unsold. When bought in small lots, 10 cents to 15 cents per hundred is the prevailing figure, while 50 cents per 1,000 ruled the sale of large quantities last week.

Lawrence Cotter is cutting some very fine Carnot roses which meet with quite a ready sale.

The Vacation Period.

Vacations are in order. E. Sutermeister goes to Holland and will combine business with pleasure, visiting the bulb men with whom he deals quite extensively. James H. Delay, of Beacon Street, has hired a cottage at Lake Sunapee, N. H., and started for there July 11. Mr. Delay intends to drive over the road.

Herman P. Strekfus, with W. W. Edgar, has also gone abroad. William Gilson, salesman for J. T. Butterworth, will start on his vacation this week and is contemplating a trip to the maritime provinces.

Mr. Gilson, for many years salesman for E. M. Wood & Co., has returned home from the Massachusetts General Hospital, where he has been for about three weeks. His health is somewhat improved.

The Massachusetts Horticultural Society has decided to appropriate an additional sum of $60,000 toward erecting a new horticulturnl building.

THE FLORISTS' HAIL ASSOCIATION

Insures 11,500,000 sq. ft. of glass and has $6,800.00 Reserve Fund. For particulars address

JOHN G. ESLER, Sec'y, Saddle River, N. J.

Mention the Florists' Exchange when writing.

ROSES BRIDES and MAIDS, 4 inch, $5.00 per 100; $45.00 per 1000. 2½ in., $3.00 per 100; $25.00 per 1000. 2 inch, $2.50 per 100.

Careful Packing. Light Boxes.

P. COSGROVE & SON, Madison, N. J.

Mention the Florists' Exchange when writing.

CELERY PLANTS In five leading varieties, strong, stocky plants, ready to plant out, at $2.00 per 1000; $15 00 per 10,000.

FLAT DUTCH CABBAGE $1.00 per 1000; $8.00 per 10,000.

GUSTAV PITZONKA, - Bristol, Pa.

Mention the Florists' Exchange when writing.

A Few Good Things You Want

KENTIA BELMOREANA and **FORSTERIANA**, 2½ in., 10c.; 3 in., 18c.; 4 in., 35c.; 5 in., 50c. each.

ARECA LUTESCENS, 3 in., 3 plants to pot, 18c.; 4 in., 25c. each. All cool grown, nice clean stock and cannot be duplicated anywhere for the money.

ROSE BRIDESMAID, 3 in., $5 00 per 100.

SWORD FERN. Nephrolepis Cordata Compacta, 2½ in., $3.00 per 100.

SMILAX, 2 in., $2.00 per 100.

REX BEGONIA, finest varieties, 2½ in., $4.00; 3 in., $6.00 per 100.

GERANIUMS, double and single, Grant, Mme. Bruant, Mrs E. G. Hill, Poitevine, Bunnat and S. A. Nutt, 3 in., $5.00 per 100.

CAMPBELL VIOLET and **VINCA VAR.**, 2½ in., $3.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

INDIANAPOLIS, IND.—The Marion Floral Company has been incorporated to do a greenhouse business in Grant County. The capital is $2,500, and the directors are J. W. Bernard and Herbert Charles.

CATALOGUES RECEIVED.

KRELAGE & SON, Haarlem, Holland—Wholesale Bulb List for 1900.

ARCHIAS SEED STORE, Sedalia, Mo.—Price List of Vegetable Seeds, Bulbs, Implements, etc.

ALEXANDER SEED CO., Augusta, Ga.—Summer and Fall Catalogue of Vegetable and Garden Seeds, Bulbs, etc. Illustrated.

ROSES

Perle	Soosel
Nipheton	Souv. de Wootton

Kaiserin Augusta Victoria

Strong clean plants, from 3 in. pots, $7.00 per 100; $65.00 per 1000.

Brides	Golden Gate
Bridesmaid	La France
Hon Silene	Maid of Honor
Duchess of Albany	Mermet

President Carnot

Strong, clean plants from 3 in. pots, $6.00 per 100; $55.00 per 1000.

READY FOR **VIOLETS** IMMEDIATE PLANTING.

Marie Louise, from 2½ inch pots, fine stock, $3.00 per 100; $25.00 per 1000.

CHRYSANTHEMUMS

Eclipse, Idavao, Mrs. Barr, Metn, Silver Wedding, all fine varieties, strong plants, from 2½ in. pots, $5.00 per 100.

Autumn Glory	Black Hawk
Dorothy Devlin	Eureka
Elvena	Golden Trophy
G. F. Atkinson	Golden Wedding
H. W. Longfellow	J. H. Woodford
H. L. Sunderbruch	Iora
Marsin Jones	Mrs. H. Weeks
Miss Helen Wright	Maude Adams
Miss M. M. Johnson	Nemesis
Pitcher & Manda	Pink Ivory
Pride	Surprise
Ada Spaulding	Belle of Castlewood
H. M. Giroud	Helen Bloodgood
Harry May	J. E. Lager
J. H. Troy	Major Bonnaffon
Mrs. S. Humphreys	Marguerite Graham
Mme. F. Bergmann	Minerva
Nivens	Riverside
Rose Owen	T. B. Morse
Thos. H. Brown	W. H. Lincoln

Strong plants from 2½ inch pots, $3.00 per 100; $25.00 per 1000

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

BRIEFS FOR BUSY FLORISTS.

PRIMULAS—The seedlings of these will all be growing quite rapidly now, and they must not be allowed to become too crowded or the leaves will quickly turn yellow and fall off. Never let them get root-bound while in the small sized pots. Whenever, by turning them out of the pots, the young roots can be seen at the outside of the ball, they are ready for a shift into a larger sized pot, and it should be given them at once. When potting primulas, avoid using a heavy soil—this can always be accomplished by mixing leaf soil or rotted peat with the compost. Use a common piece of crock for drainage. When excelsior is used for this purpose, it too frequently becomes a breeding place for wood-lice. Above all things, do not try to grow too many primroses in a limited space, as they cannot be successfully done if kept at all crowded.

HYDRANGEAS that were planted outdoors from the pots must not be allowed to suffer for want of water. If the weather prove at all dry, they should be kept from wilting by the use of the hose-pipe.

FREESIAS can be made profitable if got into bloom early enough. Through November and December there is nothing prettier to be had in the market, and that is the time that they should be in flower to pay the best. Try to get the bulbs planted during this month; put them two or three inches apart in shallow flats. Place the flats outdoors in some location where the sun will not strike them, also give them a light covering of straw or some such material, removing it again when the bulbs begin to send up their foliage. They will need to be kept moist all the time, but not soaking wet, and in case of heavy rain storms occurring repeatedly, boards or some other temporary shelter should be placed over them.

SMILAX—Where a new bed has to be made, or an old one replanted, the sooner such work is done the better the results will be. There is no use in waiting till later in the season, as one crop in the fall would be lost by so doing. Use well-enriched soil when making up the bed, as smilax is what may be termed a grass feeder.

Exhibition by Retail Florists at Frankfort, Germany.

This exhibition was held June 22 to 24. To one greatly interested in the general arrangement, he was at once favorably impressed with the completeness and practicability of the rooms, etc., of the exhibition. The interior of the palm garden (a great conservatory) forms a good background and surrounding for the beautiful, complete and single arrangements of floral work, room arrangements and table decorations, while the garden outside prepared the visitor for the splendid view inside. It was like holding an exhibition in the Philadelphia Horticultural Building in connection with the conservatories and the flower beds in Lincoln Park, Chicago, close by. Every corner, stairway and veranda was suitably decorated for the occasion.

Many gold, silver and bronze medals were offered, besides cash and other prizes.

The display of cut flowers and different foliage and other decorative material was really the best of the exhibition. A great many funeral wreaths were made of green foliage, pine cones, etc. Hardy outdoor flowers, such as pæonias, spiræs, and iris, were exhibited in great profusion and of good quality. Cut roses, principally of outdoor growth, were in great variety, but of medium quality. A daily display of a first-class American flower store would have knocked out the whole business.

In carnations the exhibit was very meagre. A few abnormally developed flowers were looked at as wonders. With us they would have gone to the dump. Of lily of the valley several Hamburg and Berlin growers made splendid displays.

For furnishing winter gardens or arranging a conservatory, several good prizes were offered. In this line some excellent displays were made, consisting of palms, selagmellas, walks, rockeries, dainty rustic bridges, settees, chairs, cozy corners, for which all kinds of foliage plants and vines were used, with choice blooming plants here and there. These displays, as well as the cut-flower exhibits, were made in the side galleries of the palm garden proper, being very suitably arranged for the purpose.

In funeral work the display was very varied, but there was nothing of special interest to the writer. Many of the arrangements were made very loosely—in fact, too loosely, as the next morning the flowers were nearly gone, and the third day, very likely, nothing was left.

Any attempt at making solid, choice floral work, as we are used to making it, was a dismal failure, the groundwork being of very cheap material and the finishing touches very poor.

In the basket arrangements and those of loose bouquets for general purposes, the color effect was much better. The use of orchids was very lavish, and in this particular line the exhibition was a great success; but, this taken away, very little could be said of the remainder. In the line of laurel wreaths, of which the writer saw many beautiful effects at the Hamburg Exhibition in 1897, very poor specimens were shown on this occasion.

Many table decorations were exhibited—some good, some indifferent, some very bad—something really very good among them could not be seen, excepting, maybe, several orchid tables. The table arrangements—that is, cloth, tableware, menu cards, etc.—were in every instance complete and of good quality.

The second day of the exhibition showed many displays in a badly withered condition; while some exhibitors made efforts at replenishing, most of them left their displays untouched. It was noticed that the best things shown had a card attached, "Not for Competition." This seems to show that the judge question is always open for discussion.

The weather was cold, drizzly, sometimes a little warmer, with thunder showers during the whole time. We have had nearly three weeks of miserable, rainy, cool weather, with but a very few days partially good. W. B.

PAMPHLETS RECEIVED

MASSACHUSETTS HORTICULTURAL SOCIETY TRANSACTIONS.—We acknowledge receipt, from Secretary Robert Manning, of a copy of part 2 of the Transactions of the Society for 1900. The pamphlet is well illustrated, and, as usual, contains a host of interesting matter.

Mt. Kisco, N. Y.

The Howard F. Bailey prize, value $100, in connection with the Fall show of the Bedford Flower Club, will be awarded this year for an exhibit of 24 blooms, not less than 8 varieties.

PRIMROSE PLANTS!
Fine stock, ready for shifting, $2 per 100.
W. B. WOODRUFF, Florist, Westfield, N. J.
Mention the Florists' Exchange when writing.

STOCK THAT WILL PLEASE
ROSES, Meteor, Bride and Maid, strong, 3½ in. pots, $4.00 per 100.
ASPIDISTRA, Green, $5.00 per 100. " Variegated, $8.00 per 100.
SMILAX, strong, 2 in., $1.50 per 100.
JERUSALEM CHERRY, 2 in., $1.50 per 100.
FICUS, top cutting, fine, $18.00.
A. G. FEHR, Belleville, Ills.
Mention the Florists' Exchange when writing.

GERANIUMS
Gen. Grant, S. A. Nutt, La Favorite, Le Contable, Mountain of Snow and Mars en masse and other varieties.
Dbl. Petunias, Echeveria Secunda Glauca, Cannas, Dahlias, Paeonies, Carnations.
WM. STUPPE, Hollis, L. I., N. Y.
Mention the Florists' Exchange when writing.

PRIMULA CHINENSIS
CINERARIA HYBRIDA Transplanted, $1.50 per 100. Out of 2 inch pots, $2.00 per 100.
Cash With Order.
H. STAHLHUT, New Lots and Shepherd Av. BROOKLYN, N. Y.
Mention the Florists' Exchange when writing.

HELIOTROPE
2 inch, $2.00 per 100.
Merry Christmas 'Mums, 2 inch, $2.00 per 100.
Baby Primrose, $1.50 per 100.
Smilax, from flats, $1.00 per 100.
Geraniums, 4 inch, single Gen. Grant, $6.00 per 100.
CASH WITH ORDER.
WM. KEIR, - Pikesville, Md.
Mention the Florists' Exchange when writing.

J. E. FELTHOUSEN,
Rooted Cutting Specialist,
SCHENECTADY, N. Y.
Mention the Florists' Exchange when writing.

ALTERNANTHERAS
P. Major and A. Nana, 2 in pots, $1.50 per 100.
COLEUS.
Crimson Verschaffeltii and Golden Queen or Bedder, or mixed, 2 in. pots, $1.50 per 100.
Giant Sweet Alyssum and Variegated Alyssum, 2 inch pots, $1.50 per 100. Cash with order
C. A. HARRIS & CO., Delanson, N. Y.
Mention the Florists' Exchange when writing.

DO YOU WANT ANY?
Hardy Ivies, 3 feet high, bushy plants, $3.00 per doz.
Chrysanthemums, good stock, from 4 in. and 5 in. pots, $10.00 per 100.
Assorted Geraniums, stock plants, at $10.00 per 100.
Selaginella, strong, 3½ in. pots, at $6.00 per 100.
Assortment Flowering Begonias, from 3 in. pots, at $4.00 per 100.
Geranium Mars, 1 year old plants, 5 in. pots, $3.00 per doz.
The Above Is all Good, First-Class Stock.
JOHN RECK, Bridgeport, Conn.
Mention the Florists' Exchange when writing.

LAST CALL

	Per 100
10000 Coleus, named, our selection, 2¼ in.	$1 50
5000 Geraniums, mixed, 2¼ in.	1 50
3000 Iresines, red, also yellow, 2¼ in.	1 50
1000 Alternanthera, large-leaved, 2¼ in.	1 50
1000 Begonia, Red Vernon, 2¼ in.	1 50
1000 Begonia, Erfordi, 2¼ in.	1 50
2000 Begonias, mixed, 2¼ in.	1 50
1000 Fuchsias, mixed, 2¼ in	1 60
300 Asparagus Plumosus, 7 in	20 00

CASH.
THE MORRIS FLORAL CO., Morris, Ill.
Mention the Florists' Exchange when writing.

ASTER PLANTS
Fine, stocky plants from the field.
Ostrich Feathers, Queen of the Market, Semple's, Victoria, Vick's and Truffaut's Perfection, 35c. per 100; 300 for $1.00; $2 50 per 100).
J. C. SCHMIDT, Bristol, Pa.
Mention the Florists' Exchange when writing.

ALTERNANTHERA.
Red, per 100, $2.00; per 1000, $18.00.
Yellow, " 1.75; " " 15 00.

	Per 100
Verbenas, Mammoth, 2 in.	$1.00
Rudbeckia, Golden Glow, 2½ in.	2.00
Abutilon, Souv. de Bonn, 3 in.	2.50
Fuchsias, best mixed varieties, 3 in.	3.00
Petunias, Single, 3 in.	3.00
Cigar Plant, 3 in.	2.50
Coleus, Golden Bedder, 2 in.	2.00
Lantanas, Mixed, 3 in.	3.00

Satisfaction Guaranteed. Cash with Order.
GEO. L. MILLER, Newark, Ohio.
Mention the Florists' Exchange when writing.

XXX STOCK
For Immediate Shipment.
Cyclamen Persicum Splendens Giganteum, finest strain in the world. Now ready to ship, a splendid stock of plants in 4 true colors, red, white, pink, and white with carmine eye, from 2½ in. pots, $5 00 per 100; $40.00 per 1000; 250 at the 1000 rate.
Cinerarias Hyb. Maxima Grandiflora and maxima grandiflora nana, strain superb in every way, from flats transplanted, $1.75 per 100; $15.00 per 1000; 250 at the 1000 rate.
Begonia Rex, Rooted Cuttings, in the 10 best market vars., mixed, $1.50 per 100; assorted, $2.00 per 100.
All Stock Guaranteed A No. 1.
PAUL MADER, East Stroudsburg, Pa.
Mention the Florists' Exchange when writing.

BEGONIA REX
Extra fine stock in good assortment, from 2½ inch pots, ready for 4 inch, $6.00 per 100.
ASPARAGUS SPRENGERI and ASPARAGUS TENUISSIMUS.
Strong, from 2½ inch pots, $3.00 per 100.
NATHAN SMITH & SON, Adrian, Mich.
Mention the Florists' Exchange when writing.

ACALYPHA SANDERI 2½ inch, $8.00 per 100.
CRIMSON RAMBLER ROSES We will have a fine lot of field plants for winter forcing. Orders taken now
THE CONARD & JONES CO., West Grove, Pa.
Mention the Florists' Exchange when writing.

PLANTS AND ROOTED CUTTINGS

	Per 100
Asparagus—	
Plumosus, 2¼ in.	$5 00
Sprengeri, 2 in.	3.00
" 2¼ in.	4.00
Begonia, Rex, 2¼ in.	4.00
" " 3 in.	6.00
" " 3½ in.	8.00
Baby Primrose, 2¼ in.	4 00
Coleus, "Fancy," 2¼ in.	3 00
Cuphea (Cigar Plant) 3 in.	3.00
Cyperus (Umbrella Palm) 2¼ in.	4.00
Dracæna Ind., 3 in.	6.00
" " 5 in.	25.00
" " 6 in., extra	50.00

	Per 100
Fuchsia, 2¼ in.	$3.00
" 3 in.	4.00
Palm, Washingtonia Filifera, 2¼ in.	4.00
3 in.	6.00
Maurandya, 2¼ in.	2.00
Geraniums—	
Ivy, 3½ in.	4.00
S. A. Nutt, Dbl. Grant, La Favorite, Eliza, Gloire de France, etc., 2¼ in.	3.00
Happy Thought, 2¼ in.	4.00
Dbl. New Life, 2¼ in.	6 00
Heliotrope, 2 in.	3.00

	Per 100
Heliotrope, 4 in.	$6.00
Hydrangea, pink and white, 2¼ in.	5.00
Impatiens Sultani, 2¼ in.	3.00
Lemon Verbena, 2 in.	3.00
Pansy Plants,	1.50
Var. Trailing Abutilon, 2¼ in.	4.00
Violets, Farquhar, 2¼ in.	2.50
" 3 in.	3.50
Vinca, 2¼ in	3.00
" 3 in.	5.00
" 4 in.	10.00
" 5 in	15.00

Rooted Cuttings.

	Per 100
Anthemis Cor., Dbl. Yellow Marguerite	$1 50
Begonia Rex	2.00
Forget-Me-Not, (Winter-flowering)	2 00

	Per 100
Geraniums—	
Sweet, in variety	1.50
Named	1.50
Bronze, Silver Leaf	1.50

	Per 100
Geraniums—	
Happy Thought, Mrs. Pollock	2.00
Vinca, per 1000, $10.00;	1.25
Snow Crest Daisy	2 00

Write us for prices on 1000 lots. Terms, Cash or C. O. D.
GREENE & UNDERHILL, Watertown, N. Y.
Mention the Florists' Exchange when writing.

Providence, R. I.

Business the past few weeks has been fairly good. Decoration Day trade was all that could be expected, both in cut flowers and plants. The supply was about equal to the demand. Graduation work for schools and colleges was very satisfactory, much better than a year ago. At present business is very quiet but we need a rest and a chance to collect our thoughts—and bills also. The stores started to close at six o'clock July 2.

Weather has been very warm since the latter part of June, with little or no rain, and the crops and grass are suffering greatly.

We expect to send quite a delegation to the New York Convention from Rhode Island.

The club held its regular monthly meeting Thursday, July 12. The annual outing will occur Thursday, July 19, at President James Hockey's place, at Pawtucket, which is admirably adapted for such purpose, and easily reached by trolley cars from Providence. The committee, T. Johnston and F. Macrae, promise all who may attend a good time.

J. Johnston, of Johnston Bros., left today for the wilds of Maine.

F. Macrae has about completed his new range of houses and new heating plant, and is getting everything in shape to attend the convention.

M. Sweeney is building a large palm and show house at his model place on Pine street.

T. L. O'Connor spent the Fourth at Narragansett Pier. Most of the boys are putting off vacations until August, and will attend convention and take a vacation at same time. A. M.

IF YOU NEED ROSES
Send us your list for prices.
THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.
Mention the Florists' Exchange when writing.

8000 ROSES HEALTHY STOCK.
8000 nice plants of Bride and Bridesmaid, from 3 and 3½ inch pots, at $4.00 per 100, or $35.00 per 1000; 500 at 1000 rates.
Full line of BEDDING PLANTS cheap.
Will exchange some stock for Chrysanthemums.
300,000 Fine Celery Plants, including White Plume, Giant Pascal and Golden Heart, $1.50 per 1000, or 10,000 lots at $1.00 per 1000. Special price on quantity.
Cash with order.
W. T. HILLBORN, - Newtown, Bucks Co., PA.
Mention the Florists' Exchange when writing.

SPECIAL
I have 500 A No. 1 **Meteor Rose Plants**, property of Chatham Rose Co., which must be moved at once.
Will Sell Cheap for Cash.
HARRY B. GREEN, Madison, N. J.
Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS...
and Novelties in Decorative Plants.
Market and 49th Sts., PHILADELPHIA, PA.
Mention the Florists' Exchange when writing.

ROSES! ROSES!

		Per 100
2000 **Golden Gate,**	3 inch pots	$3.00
1000 **Bridesmaid,**	3 " "	3.00
1000 **Bride,**	3 " "	3.00
1000 **Meteor,**	3 " "	4.00
1000 **Smilax,**	3 " "	2.50

The above is clean and very strong plants.
J. D. BRENNEMAN, Box 24, Harrisburg, Pa.
Mention the Florists' Exchange when writing.

ROSES
800 BRIDES, 3 inch Pots,
500 'MAIDS, 3 inch Pots,
$3.00 PER 100.
THORNE & CO., Flushing, L. I.
Mention the Florists' Exchange when writing.

ROSE PLANTS
Meteor, 3½ inch pots, per 100, $5.00; per 1000, $40.00.
Potted and repotted 4 times. These plants are vigorous and unusally fine. Packed to safely ship any distance.
BRANT & NOE, Forest Glen, **Chicago, Ill.**
Mention the Florists' Exchange when writing.

ROSE PLANTS
In 3 inch pots, nice and strong.
BRIDESMAID, BRIDE and KAISERIN
$1.00 per 100; $35.00 per 1000.
MERCER FLORAL CO., Trenton, N. J.
CARL E. TAUBE, Proprietor.
Mention the Florists' Exchange when writing.

Bride and Bridesmaid Roses
Out of 3 inch pots, ready for 4 inch, 2½ cts.
ASPARAGUS SPRENGERI 2½ cts.
COOK BROS.,
2534 W. Mosher St., BALTIMORE, MD.
Mention the Florists' Exchange when writing.

ROSES
(SURPLUS STOCK.)
Fine plants, from 2½ inch pots, 'Maid, Bride, Mme. Cusin, Perle and Meteor, $3.00 per 100.

Asparagus Plumosus Nanus
Transplanted seedling plants, for July and August delivery, ready for 2½ inch pots, at $3.00 per 100; $25.00 per 1000; 500 at thousand rates. Express prepaid.
Cash With Order, Please.
R. ASMUS, - New Durham, N. J.
Mention the Florists' Exchange when writing.

ROSES

	2½ inch Per 100	1000.	3 inch Per 100	1000
Brides	$3.00	$25.00	$5.00	$45.00
'Maids	3.00	25.00		
C. Soupert	3.00	25.00	5.00	45.00
Meteor	3.00	25.00	5.00	45.00
Mosella	3.00	25.00		
Mme. Chatteneux	3.00	25.00		
Am. Beauty			8.00	75.00

MIXED JARDINIERE FERNS
Mostly Pteris varieties,
$3.00 per 100; $25.00 per 1000.
ASPARAGUS SPRENGERI
2½ in., $4.00 per 100; $35.00 per 1000.
ASPARAGUS PLUMOSUS
2½ in., $6.00 per 100; $55.00 per 1000.
J. B. HEISS, The Exotic Nurseries, **Dayton, Ohio.**
Mention the Florists' Exchange when writing.

FORCING ROSES

	Per 100	Per 100
Brides	2½ in. $2.75;	3½ in., $4.00
Bridesmaids	" 2.75;	" 4.00
Perles	" 3.00;	" 4.50
Sunsets	" 3.00;	" 4.50

Following 2½ Inch Pot Stock:
Prices per 100.

Marie Van Houtte, $2.25	Christine de Noue, $2.25
Duchess Brabant, $2.25	Marie Guillot, $2.25
Purple China, $2.25	Mrs. DeGraw, $2.25
Clothilde Soupert, $2.25	Yellow Soupert, $2.25
Maman Cochet, $2.25	White Maman Cochet, $2.25
Mme. F. Kruger, $2.75	Crimson Rambler, $2.75
Meteor, $2.75	Golden Gate, $3.00
La France, $3.00	Kaiserin, $3.00

Gruss au Teplitz, $5.00
Also 30 other varieties and Miscellaneous stock. Send for list.
2-year old **Crimson Ramblers** from 4 inch pots, $3.00 per 100.
Per doz.
Large Compacta Ferns, from 8 inch pans..$6.00
Large Boston Ferns, from 10 inch pans.....10.00
NATIONAL PLANT CO., Dayton, Ohio.
Mention the Florists' Exchange when writing.

ROSE PLANTS
Meteor, Bridesmaid, Bride, La France } From 2½ and 3 in. pots, per 100, $3.00; per 1000, $25.00.
American Beauty and La France, bushes headed in open ground, per 100, $2.50; per 1000, $20.00.
The above is all clean, strong stock, ready for planting, no better to be had.
GEORGE REINBERG,
51 Wabash Ave., CHICAGO, ILL.
Mention the Florists' Exchange when writing.

7000 Surplus Roses
Vigorous and healthy, clean stock, from selected wood, grown in bright sunlight and full air. . .
Price $6.00 per 100.
Varieties: HOSTE, PERLE, SUNSET, BRIDE, 'MAID, METEOR, GOLDEN GATE, GONTIER.
P. R. QUINLAN & CO.,
SYRACUSE, N. Y.
Mention the Florists' Exchange when writing.

ROSES GOLDEN GATE, thrifty stock, from 2½ inch pots, $4.00 per 100 $35.00 per 1000. BRIDESMAID, $3.00 per 100; $25.00 per 1000
A few hundred PERLE, from 2½ inch pots, $3.50 per 100.
PHŒNIX CANARIENSIS, from 5 and 6 in. pots, $3.00 per dozen; $20.00 per 100.
WM. B. SANDS, Lake Roland, - - BALTIMORE, MD.
Mention the Florists' Exchange when writing.

AMERICAN BEAUTY 4 in., $15.00 per 100; Liberty, 3½ in., $50.00; 4 in., $75.00 per 100; Maid and Bride, from GRAFTED plants, 3½ in., $8.00; 4 in., $10.00 per 100; Perle, 3½ in., $8.00; 4 in., $10.00 per 100. Also Sunset, Meteor, Morgan, Mermet, La France, Niphetos, Kaiserin, Golden Gate, Bon Silene, 3, 3½, 4 in. Asparagus Plumosus, all sizes. Marie Louise Violets.
A. S. MAC BEAN, Lakewood, New Jersey.
Mention the Florists' Exchange when writing.

40,000 FIRST QUALITY FORCING ROSES!
READY FOR IMMEDIATE PLANTING.
Fully equal to those sent out the last eight years, first-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.
WOOTTON, LA FRANCE, AMERICAN BEAUTY, GOLDEN GATE, 3 inch pots, $8.00 per 100. 4 inch pots, $12.00 per 100.
MME. HOSTE, BRIDE, BRIDESMAID, MAID OF HONOR, METEOR, KAISERIN, SAFRANO, BON SILENE, MERMET, PERLE, 3 inch pots, $7.00 per 100. 4 inch pots, $10.00 per 100.
GRAFTED ROSES MAID OF HONOR, GOLDEN GATE, 3½ inch pots, $15.00 per 100.
Mention this paper. J. L. DILLON, Bloomsburg, Pa.

PHILADELPHIA ROSES **HIGH ART NOVELTIES**
3 new Colors of Small Buds for Debutante Work—considered more Rare than Orchids. Stock is Limited. ORDER Early.
AMERICAN BEAUTIES Strictly first-class clean stock, 4 inch only now, 3 inch ready in two weeks.
MYERS & SAMTMAN, CHESTNUT HILL, **Philadelphia, Pa.**
Mention the Florists' Exchange when writing.

AMERICAN BEAUTY!
3 inch pots . . . . . $6.00 per 100; $55.00 per 1000.
2½ inch pots . . . . . 5.00 per 100; 45.00 per 1000.

	Per 100	1000
BRIDESMAID, 3 in. pots	$4.00	$35.00
" 2½ "	3.00	25.00
BRIDE, 3 in. pots	4.00	35.00
" 2½ "	3.00	25.00
PERLE, 3 "	4.00	35.00
" 2½ "	3.00	25.00
METEOR, 3 in. pots	$4.00	$35.00
" 2½ "	3.00	25.00
GOLDEN GATE, 2½ in. pots	4.00	35.00
KAISERIN, 2½ in. pots	3.00	25.00
" 3 "	4.00	35.00

PETER REINBERG, 51 Wabash Ave., CHICAGO
Mention the Florists' Exchange when writing.

ROSE PLANTS.

	Per 100.	Per 1000.
AMERICAN BEAUTY, - - 2½ in.,	$5.00	$45.00
METEOR, - - - - - - "	3.00	25.00
BRIDE, - - - - - - "	3.00	25.00
BRIDESMAID - - - - "	3.00	25.00
AMERICAN BEAUTY, lifted from benches, - - -		35.00

A1 STOCK. BEST IN MARKET.
WIETOR BROS., 51 WABASH AVENUE, **CHICAGO.**
Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico. To foreign countries in postal union $2.00. Payable in advance. The date on the address label indicates when subscription expires.

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Copy must reach this office not later than Thursday in order to secure insertion in issue of the following Saturday.

Orders from unknown parties must be accompanied by cash or satisfactory references.

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Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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Philadelphia.

Market Report.

We are shortly to loose a very popular associate in the trade in this city. John Walker, who has been the right hand man of Robert Craig for many years, has bought out the establishment of E. Hippard, Youngstown, Ohio. The terms have been agreed upon, and now all that remains is for the necessary papers to be drawn up. In all probability Mr. Walker will leave for his new field early in August. John will be greatly missed in this city, where his genial disposition has made him many friends; but everyone wishes him success in his new venture. Without a doubt his move is a good one, as there are splendid opportunities west of the Alleghenies for good plant growers.

Leo Neissen intends improving his wholesale establishment this Summer. A new refrigerator will be installed, and several improvements made to better handle his increasing business.

DAVID RUST.

Society of American Florists and Ornamental Horticulturists.

With persistent individual effort the Convention of the Society of American Florists, to be held in New York City next August, can be made a memorable event in American horticulture. It is the desire of President Wood that each member of the Society constitute himself or herself a committee of the whole and obtain at least one new member and as many more as possible, either life or subscription.

If each member will make this effort the strength of our organization will be greatly increased and our ability to carry forward the work of the Society in the coming century will be strengthened accordingly.

President Wood also requests that each member read his remarks at the Detroit convention, upon co-operation, which were published in the last annual report of the Society; also the discussion and the Society's action upon this subject, and come to the New York convention prepared to act and vote understandingly upon the measures which will be presented for the future management of the Co-operative Department or for the organization of a corporation with capital.

WM. J. STEWART, Secretary.

The foregoing call is timely, and if the request of President Wood anent the securing of new members is faithfully carried out by each individual a very large augmentation to the membership list should result.

But why not enthuse the present members with a competitive spirit, by offering the gold medal of the Society to the party who secures the largest number of members within a specified period? There are no doubt many who like to do work gratuitously for the Society, and there are doubtless as many more who would take increased interest along this line for some sort of recognition as herein proposed. The S. A. F. has been liberal with its medals for the benefit of others; surely, it can well afford to be thus generous on its own behalf!

As regards the co-operative matter, the Society has practically disposed of it by referring the whole subject to the Executive Committee, as individuals, and for separate action "without involving the Society of American Florists in any way whatever." So whatever that committee may elect to do in the premises would seem to be no concern of the Society as a body.

If the president has ready the measures which will be presented for the future management of the Co-operative Department, or for the organization of a corporation with capital, we would suggest that these be made known through the trade press at once, so that full and deliberate consideration may be given them previous to the assembling of the convention, at which time the delegates may then be expected to act intelligently regarding said measures.

How Many Are Going?

In order to aid the New York Florists' Club in making its final arrangements regarding S. A. F. convention matters, it has been suggested by President O'Mara that the S. A. F. vice-presidents procure and send to Secretary John Young, 51 West Twenty-eighth Street, New York, on or before July 23 next, the number of delegates (or as near thereto as possible) likely to be in attendance at the convention from the various sections of the country, under the jurisdiction of the vice-presidents. A list of these gentlemen is subjoined, and intending delegates should at once notify their respective vice-presidents of their intention to be present at the largest convention in the Society's history.

Connecticut—J. N. Champion, New Haven. District of Columbia—Philip Gauges, Washington. Illinois—Edgar Sanders, Chicago. Indiana—H. W. Rieman, Indianapolis. Iowa—J. T. D. Fulmer, Des Moines. Kansas—M. J. Coventry, Fort Scott. Kentucky—Jacob Schulz, Louisville. Maryland—R. Vincent, Jr., White Marsh. Massachusetts—F. R. Mathison, Waltham; Geo. H. Thompson, Lenox. Michigan—F. H. Beard, Detroit. Minnesota—S. D. Dysinger, St. Paul. Missouri—Emil Schray, St. Louis. Nebraska—J. J. Hess, Omaha. New Hampshire—Aug. Gaedeke, Nashua. New Jersey—Jos. A. Manda, South Orange. New York—Alex. Wallace, New York; Philip Scott, Buffalo. Ohio—Robt. George, Painesville; C. J. Graham, Cleveland. Pennsylvania—H. T. Dumont, Philadelphia; G. Ludwig, Alleghany. Rhode Island—Robt. Laurie, Newport. Wisconsin—H. V. Hunkel, Milwaukee. Ontario—Harry Dale, Brampton.

Transportation to New York Convention.

It has now been definitely settled that practically all the railroads and steamship lines in the United States, as far west as Utah, have concurred in a uniform rate of one and one-third fare on the certificate plan to those attending the convention. Attention is called to the following rules, which must be followed in order to obtain the benefit of the concession:—

1. Tickets at full fare for the going journey may be secured within three days (exclusive of Sunday) prior to and during the first three days of the meeting. The advertised dates of the meeting are from August 21 to August 24, consequently you can obtain your ticket not earlier than August 17, nor later than August 23. Be sure that when purchasing your ticket you request a "certificate." Do not make the mistake of asking for a "receipt."

2. Present yourself at the railroad station for ticket and certificate at least thirty minutes before the departure of the train.

3. Certificates are not kept at all stations. If you inquire at your station you will find out whether certificates and through tickets can be obtained to place of meeting. If not, agent will inform you at what station they can be obtained. You can purchase a local ticket thence, and there take up a certificate and through ticket.

4. On your arrival at the meeting present your certificate at once to Secretary Stewart, who will return it to you after it has been duly validated.

5. It has been arranged that the special agent of the Trunk Line Association will be in attendance to validate certificates on August 22, 23 and 24.

WM. J. STEWART, Secretary.

Chicago to New York.

The Western passenger agents of the various railroads, the past week, decided to allow special rates to delegates to the S. A. F. convention, which will insure a goodly company from here, especially if all those going from west, south and north of this will make Chicago their common starting point for New York. The committee has authority to guarantee all a good time, and a special train, if enough can be got together. It is yet too early to guess as to the extent of Chicago's contingent, but it will be large, and eager for the meeting here in 1901. ESS.

And We'll Be There!

The hum of the approaching convention is evidenced by the "bee" in the bonnet! The FLORISTS' EXCHANGE has a word apropos. Rudd is "buzzing" and says there are others.

As to a nominee for president-elect, the name of the New York gentleman is very pat, indeed. There is no more efficient or practical man in the Society, and as a presiding officer he is simply unequaled. He would make an ideal Populist candidate, and able to suit both parties to wonst; 16 to 1 he'd get it, at the same time, his gilt-edged principles would observe the golden rule.

Is the office of a retiring president ex-officio or de facto? It is quite amusing to note the genial Rudd in his new role of dictatorship! As a druggist, he has an inimitable way of sugar-coating pills!

Mr. Rudd now tells the Society what's what, and orders the S. A. F. to keep away from Buffalo and steer straight to Chicago—all because of the fascinating allurements of the forthcoming Pan-American Exposition. The S. A. F. meeting was on the boards at St. Louis when the Columbian Exposition was the Chicago attraction, and visitors in general preferred to stay in Chicago to a trip to St. Louis. The S. A. F. Convention that year was a slimly attended affair. History would repeat itself should Chicago be selected as the place of meeting for 1901—and Buffalo would still be the magnet of attraction.

Let the Society go where it can best attract attention, secure and hold membership. If the Society goes to Chicago in 1901, there will certainly be a falling off in membership for that year; and while Chicago is a delightful city and her ways are pleasant to the craft, the location is not at all "central" as far as the S. A. F. is concerned.

Mr. Rudd must be in athletic training, and the way he puts on the gloves for a sparring bout with President Wood for introducing guileless business into the S. A. F., is "nery," nous verrons!

If the Society is to be remodeled into a strictly business enterprise, why not have the whole durned thing—horns, hoofs and all! But who is to be the "hide and tail," to use Mr. Rudd's hairy expression? What's everybody's business is usually nobody's business, and somebody must needs shoulder the enterprise or there will be danger of head-end collision! Why not elect a president for life and hold him strictly to account for advance in the price of coal, iron, glass, et al, and make him go bail for honest ac'ts and collections!

To make the thing a "go," the office of president would need to be as much a "sticker" as the secretary's, still, I fancy no one would hanker for a third term.

Better let the S. A. F. enthuse its activities in developing hortus, educating and interesting public sentiment in its ever increasing favor, thereby creating more and more demand for our commercial products.

Business—as business will take care of itself individually and collectively.

GROVE P. RAWSON.

SEEN, HEARD AND READ.

W. N. R., with an abundance of choice metaphor and scholarly diction, takes exception to the remarks appearing in this column recently in reference to the S. A. F. furnishing information relative to the financial standing of its members to other members so desiring it; and while agreeing with our treatment of the suggestion regarding turning the S. A. F. into a collection agency, adds that "there seems to me no possible objection to the collection proposition which is not equally valid against the other. Why separate the tail from the hide?" We ourselves had some doubts as to the feasibility of our proposition, yet thought we saw a way whereby the hide could be kept intact while the caudal appendage could be lopped off, or taken care of by those responsible for its being twisted.

Any one except those who are "sellers in a very limited market," knows full well the difficulties attending the granting of credit, and the large outlay often necessary to obtain payment of an honest debt; they also know how much easier and cheaper it is to secure trustworthy information regarding many an intending purchaser than it is to collect from him after he has become a buyer. Therefore, if the S. A. F. were to do anything at all in a matter of this kind, we thought of the two evils, it should choose the lesser, acting on the assumption that "prevention is better than cure," and still be "lifting up and carrying forward" something tending to the interests of its members.

* * *

Of course, much of the rating information regarding individuals comes along when the tail and the hide remain normal, yet, some of our large mercantile agencies, being hide bound in such matters, devote all their attention to caring for the pelt, and with success. Besides, in undertaking work of this kind, the Society would be of service to all its clients; for even those of them who "sell in a limited market" are at times imbued with the desire to ape the more progressive and seek a wider field.

* * *

It occurs to us, however, that this insatiable desire as to the benefits that do, ought, could, would or should arise from membership in the S. A. F. has been encouraged and fostered by the Society itself as an attempt to perpetuate, through the association, the pet schemes of perhaps well-meaning but superficial-thinking individuals. If we look around, we shall easily discover that there is no similar organization existing to-day that does so much for so little. The Society's own end would be best served were it to "sit

down," and that heavily, upon every proposition, no matter whence emanating, that tends to engender the "hogishness" (pardon the word) now rampant in the trade. The craft must be educated, and that by the Society itself, as to what is the latter's proper and legitimate sphere, and any suggestion as to labor outside of that sphere should at once be squelched.

* * *

There is much, very much, that the S. A. F. could do for the florist trade without attempting to run the business of every one engaged in it, and that right in line with its originally conceived programme. Many of these latter-day propositions, in addition to displaying the unwisdom of their originators, tend to bring the Society into ridicule and rob it of any dignity or moral influence that it may possess as a national institution. Let us, in the classic words of Rudd, "return to our knitting." The needles cannot be set in motion too soon.

New York.

Market Notes.

The cut flower trade seems to be fairly well adjusted at the present time. Very little stock is being sent to market, and there is just about enough demand to use up the receipts. Roses are very few in numbers, especially good ones; and this helps to keep the values about stationary. The best grades of American Beauty are worth $3 per dozen, and the same grades of Bride and Bridesmaid are bringing $5 and $6 per 100. Standard sorts of carnations have realized 50c. and 75c. per 100. Fancy varieties, when to be had, have fetched $1.25 and $1.50, a few extra fine Flora Hill bringing as high as $2. Longiflorum lilies are yet obtainable, and they realize from $2 to $4 per 100, according to quality. Lilium auratum are also fairly plentiful, but do not seem to be sought for very much, being offered at $4 per 100.

Sweet peas are of better quality at present than they were a few days ago. Gladiolus are rather plentiful, and the best is to be had at 50c. per dozen. Asters are increasing in quantity, but the finer blooms have not yet begun to arrive; those at present coming in are offered at 10c. per bunch of one dozen.

Cattleya gigas sells at 50c. each, and there are some elegant flowers arriving. Other varieties realize from 25c. to 35c.

The call for maidenhair fern, asparagus and smilax is almost nil. Good, long strings of the latter are now freely offered at $8 and $10 per 100.

Among the retailers business is almost at a standstill, yet window displays are kept as effective as ever; and there is no doubt that the larger portion of the stock disposed of in the wholesale marts is used for display purposes only.

Wadley & Smythe, Fifth avenue, who also have a branch store at Newport, R. I., had the elaborate decorations for the Havermeyer-Whiting wedding, which took place at Newport on Wednesday.

Jottings.

The Bogart employes fishing excursion took place on Wednesday, the 11th, and was a grand success. Some fish were caught, and everybody had a good time, with the exception of a few individuals, who, thinking the boat would not start exactly at the time stated, were a few minutes late in reaching the dock, to their great disappointment.

The wholesale florist's store, hitherto conducted by Ghormley & Perkins, whose co-partnery dissolution was announced last week, will hereafter be under the sole ownership of W. Ghormley.

J. A. Perkins will open a wholesale store on Monday next at No. 45 west 29th street.

S. J. Limprecht, who is staying at New Rochelle for the Summer, is confined to the house with sickness.

John Karl, Thomas Miller and Charlie Schimmel, all popular salesmen of the wholesale district, are away on vacation.

Wm. H. Gunther, with his wife and daughter, left Thursday for Dalton, Mass., to spend the Summer. Mr. Gunther intends coming to town occasionally, however, and keeping in touch with his business.

The reception committee of the club have about completed arrangements for giving the visiting ladies at the Convention beautiful carriage drives. One section will go through Central Park and Riverside Drive, and the other section will be driven through Prospect Park and Greenwood Cemetery, Brooklyn.

A. H. Langjahr is devoting all his spare time to the Brooklyn end of the drive, and his zeal will, it is anticipated, bring out some music and a collation, to be served under the trees of the beautiful grove in Prospect Park.

The Horticultural Exhibition promises to be a display such as has not been seen before in this city. Gardeners who have not yet received a schedule should drop a card to the Secretary, J. A. Manda, South Orange, N. J., who will immediately forward a copy.

The New York Market Florists' Association will wait and confer with the Alderman who drew up the resolution regarding the reconstruction of Clinton Market before proceeding further in the matter. The resolution mentioned is one that was passed by the City Council some time ago, and calls for an entirely new building.

W. Ghormley will continue in business at 57 W. 28th street, succeeding to the firm of Ghormley & Perkins, recently dissolved.

Rev. W. T. Hutchins, of Indian Orchard, Mass., sailed for London, Wednesday last, to be in attendance at the sweet pea bi-centenary meeting at the Crystal Palace, where he will read a paper on "Sweet Peas in America." From all indications a rousing meeting is assured.

Chas. A. Dards leaves to-day (Saturday) for Europe.

Visitors in Town.

E. M. Wood, Natick, Mass., George A. Tilton, of the firm of Tilton & Son, seedsmen, Cleveland, Ohio; Richard Ludwig, Cromwell, Conn.

Club Meeting.

A large attendance was again present Monday evening last, President O'Mara presiding. Convention matters were taken up with a vim, occupying the whole session. The Horticultural Exhibition committee reported a scale of points for the purpose of awarding the two $100.00 cash prizes at the forthcoming show. This will be distributed through the trade papers on an early date. The committee also announced the appointment of Arthur Herrington of Madison, N. J., as superintendent of the exhibition. The selection of Mr. Herrington gave general satisfaction.

Erust G. Asmus was unanimously chosen captain of the home gun club to be formed to participate in the shooting tournament. It is expected this contest will take place on the Wednesday afternoon of Convention week (August 22), at McKnight's Meadows, Lafayette, N. J.

A ladies' committee will be appointed to look after the visiting ladies.

The printing and advertising committee reported excellent success with advertisements for the souvenir book. It is intended to close up all matters connected with the souvenir by July 18 next, so that all intending advertisers should lose no time in securing space.

Wm. Duckham was appointed on the exhibition committee, versus C. H. Allen, resigned, he being unable through press of other business to give the matter the necessary attention.

The newly elected members were at once assigned to committees as follows: Fred Donoghue and Lawrence Corbett to the horticultural exhibition committee; E. B. Dunn to ways and means; and Chas. J. Dawson and Wm. Wallace Burnham to reception committee. John Hayes and Dan MacRorie were proposed for membership.

Mr. Nugent, for committee on hall decoration, promised something magnificent along this line.

President O'Mara earnestly requests that the state vice-presidents ascertain the likely number of delegates to the Convention from their various sections, and notify Secretary Young, 51 West 28th street, on or before July 23. This will greatly aid the club in making its final arrangements.

A letter was read from F. L. Harris, expressing his high appreciation of his election as an honorary member of the club, and the deep interest he would continue to take in progressive horticulture. Mr. Harris added that he was not feeling very well just now.

Manager Cleary, of the Trade Exhibit, reported a very satisfactory outlook for a large display. No time should now be lost by intending exhibitors to secure space, in order to prevent disappointment later on. Considering the large number of delegates expected the Trade Exhibit this year offers exceptional opportunities to the craft.

A special session of the club will be held, Monday evening, July 24, in the club rooms, to promote convention work.

The exhibition committee recommended that the club's certificate of merit be awarded to W. A. Manda, South Orange, N. J., for new rose, Pink Pearl, which the committee states is an acquisition as a garden variety, also for rockeries and trellis work.

The entertainment committee provided cigars and refreshments, which were enjoyed during the proceedings.

The New Jersey Bowling and Curling Club extends an invitation to all interested to visit their grounds, which are within easy walking distance of where the shooting contest will take place, and participate in "the grand old game of bowling on the green."

Flatbush and vicinity was visited by a hail storm Thursday afternoon. While it was not heavy enough to break any glass, the leaves of ficus that were planted outdoors were slightly damaged in some instances.

The American Carnation Society.

CARNATIONS REGISTERED.

DELIGHT.—A clear satin pink, midway between Daybreak and Mrs. Jas. Dean, without the slightest trace of purple. A profuse bloomer, and will make a commercial variety in every particular. By Dailledouze Bros., Flatbush, N. Y.

ALBERT M. HERR, Sec.

Lancaster, Pa.

PLANT CULTURE

Hitherto Advertised as

Commercial Plants

Will be ready for delivery July 18, 1900

A two hundred page book, of inestimable value to all, for only $1.00.

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PHOTOGRAPHIC CONTEST.

AWARDS IN JUNE COMPETITION.

First Prize.—S. G. Harris, Tarrytown, N. Y., $5.00 for a rose arbor.

Honorable Mention.—Henry Eichholz, Waynesboro, Pa., for a porch view; S. G. Harris, Tarrytown, N. Y., for a bed of pink hyacinths.

The judging was done by a gentleman who, passing on several hundred photographs daily, is eminently qualified to act in that capacity. We refer to Mr. C. P. Browning, proprietor of the Galvanotype Engraving Co., Photo-Engravers, 216 William street, New York City.

Following is Mr. Browning's letter announcing his decision:

Publishers Florists' Exchange.
Rhinelander Bldg, City.

Gentlemen—I have examined the photographs you sent me, and have decided that the Crimson Rambler arbor, photographed by Mr. S. G. Harris, of Tarrytown, N. Y., should be awarded the first prize. The subject is well-selected, the picture is symmetrical in its proportions, the detail sharp and the photograph is well finished. We would suggest that had Mr. Harris waited until the sun had passed a trifle more to the right, the deep shadow in the lower left hand would have been lightened up and the photograph still further improved.

I also wish to call to your attention two other subjects that are worthy of honorable mention. One is the photograph of the Crimson Rambler and Mary Washington roses, on a porch, by Henry Eichholz, of Waynesboro, Pa.

The photograph is certainly a very pleasing one, but the dark foliage being photographed against the shadow of the porch leaves it too obscure; had the photographer omitted the palms at the lower left hand, the photo would have been improved. This gives it a rather set appearance, and, I think, when tropical plants are brought in close proximity to our native vines and shrubs, the effect is not harmonious.



Crimson Rambler and Mary Washington Roses.

Photographed by Henry Eichholz, Florist, Waynesboro, Pa. Awarded Honorable Mention.

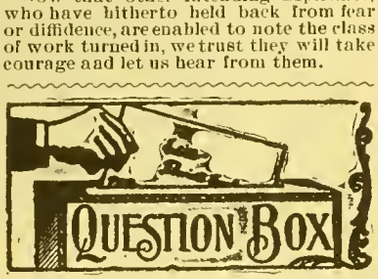
The second is the bed of pink hyacinths by S. G. Harris, Tarrytown, N. Y., deserving especial mention for the clearness of detail, and being exceptionally well printed and toned; the artistic features of the photograph are, however, lacking, and the effect of the hyacinth bed is injured by being cut off at the right.

Yours very truly,
C. P. BROWNING.

New York, July 10, 1900.

Other competitors sending in very creditable work were L. A. Alt, Rochester, N. Y. and F. Herman Cook, Baltimore, Md.

Now that other intending aspirants, who have hitherto held back from fear or diffidence, are enabled to note the class of work turned in, we trust they will take courage and let us hear from them.



(139) **Leaf for Name**—Burton Parks. The leaf submitted is the ordinary bronze galax, which has now come to be used largely in the cheaper grades of funeral work.

(140) **Violet Houses**—I have two violet houses 10 x 75 x 7, running east and west, three-quarter span. I am told by some that they are built wrong. Now I wish to build two more. Could you tell me the right way they should run? From what I see around places that I have visited the houses are built all kinds of ways.—R. C. SMITH, PA.

—Violet houses give the best results when built even span, running north and south. For full information regarding violet culture and the construction of houses to grow them in, you should procure a copy of Galloway's Violet Culture. Price $1.50. It can be obtained from this office.

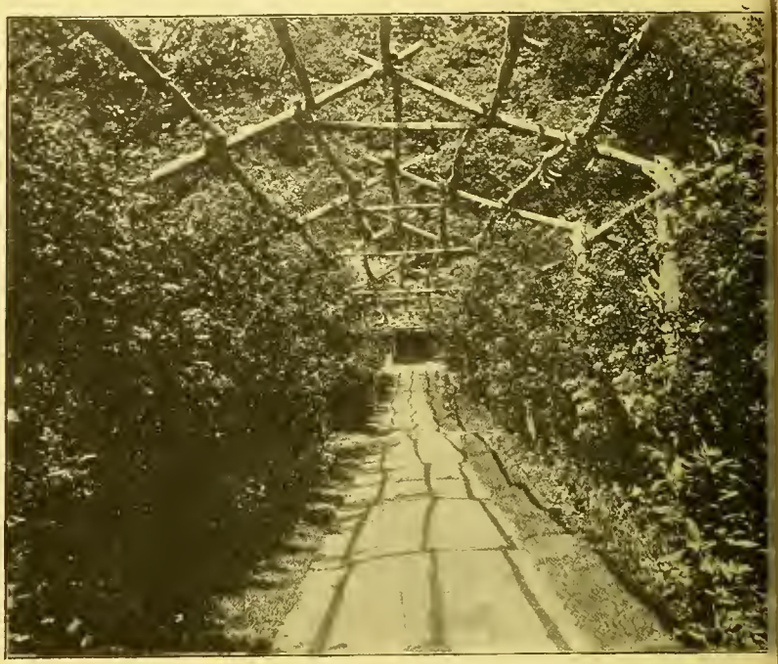
(141) **Distance of Benches from Glass**—I have had some discussion on how far the benches in a rose house or carnation house should be from the glass to give the plants the best advantage of light and yet give them plenty of head room. Would you kindly give me the desired information in your Question Box, as I am about to put up new benches. My houses are a good deal shaded.—ENQUIRER.

—As inquirer does not state how high his houses are, we cannot advise him as to what would be the best height to build the benches. Where the houses are partially shaded by nearby buildings, etc., the benches should be raised up from the floor accordingly, leaving about six feet head room in the centre; providing the house is an even span one, side benches will necessarily have to be much lower than that, and the bench should be so made that the row of plants nearest the glass will have from 24 to 30 inches head room, as each succeeding row will gain in head room according to the slope of the glass. We might say, in addition, that in the modern well-ventilated houses that are now being built, the benches are just high enough to be conveniently worked, the houses are so airy and light that the distance the benches are from the glass does not enter into the matter at all. We know of carnation houses that produce the finest of flowers, where the plants are ten or twelve feet from the glass.

(142) **Mushrooms under Carnation Benches**—We cannot advise the growing of mushrooms in the same house as carnations, as the piling of manure under the benches breeds vermin to such an extent as to render it impossible to keep the carnations clean.

(2) For the carnation benches short manure, with the heat partly spent, is the best, 12 or 14 inches deep, made solid and about three inches of soil on top.

(3) In regard to boiler and pipes, consult some of the horticultural engineers whose advertisements appear in these columns.



Arbor of Crimson Rambler Rose, on Estate of J. P. Morgan, Esq.

Photographed by S. G. Harris, Landscape Gardener, Tarrytown, N. Y.

Awarded First Prize in FLORISTS' EXCHANGE Photographic Competition for June

NOTES BY THE WAY.

ELMIRA, N. Y. Chrysanthemums and violets are very promising with Grove P. Rawson, who tells me he will have something fine in new kinds the coming Fall. Mr. Rawson expects to be one of the big crowd of delegates at the coming convention, no obstacle appearing at present. There will be a host of others who will attend, and thus strengthen our society.

Ed. Hoffman, of Hoffmann Bros., will be there. He has just planted up roses and violets—fine stock it is. Carnations are looking well outside.

BINGHAMPTON, N. Y. Anton F. Spofford has sold his business to Lyman Cornell, who will continue on the same lines. Mr. Spofford retires after many years' active service, and carries the best wishes of the craft into his retirement.

Mrs. Barnes would be with us at the Convention did not a bad attack of grip prevent her presence. This busy lady has been kept from active employment for six months past, but holds herself in touch with the trade through the medium of the EXCHANGE.

W. H. Graham is busy replanting and fixing up after a good season.

SCRANTON, PA.—Geo. R. Clark is taking advantage of the cool spell to rush the planting of chrysanthemums and roses. His thoughts are turning eastward, while his late foreman, John Brown, has turned his steps westward, having entered the employ of E. Hippard, Youngstown, O.

WILKESBARRE, PA.—Ira G. Marvin is adding two houses for roses, which is all the building to be done this season. He reports a fine season with geraniums, which are very scarce. I notice stock is being worked up earlier this year, owing to close selling. Mr. Marvin may join Geo. Fancourt in the trip to the metropolis to exhibit some of his mammoth Kaiserin roses at the Convention.

CONCORDVILLE, PA.—Henry Hannen, grower for J. J. Styer, gave me a few statistics regarding his success in growing tomatoes with carnations, that makes interesting reading. Growing for the wholesale market entirely, he plants between carnations on centre and entirely on back benches, during the months of February and March, to obtain successional crops. The first crop comes in about April 25 and continues until about July 25, by which time he will have gathered in the neighbourhood of five tons, all of which have been sold at good figures. The variety he thinks most of is Lorillard. I saw one fruit which weighed 18 ounces, a specimen of the general quality of the crops. The mushroom crop was a success this season, as high as one dollar per pound being obtained in New York at one period.

W. M.

Business Difficulties.

SANDUSKY, O.—Joseph C. Gooding, a florist, has filed a petition in voluntary bankruptcy in the United States District Court. He says his debts are $2,335.66, and his assets $6,355. Of the latter amount $5,000 worth is his stock in trade.

MIDDLETOWN, N. Y.—Martin Bartholomew has sold his florist business to Edward Firkin, a practical man from New York, who took possession on July 2. Mr. Bartholomew expects to go West and locate in Minneapolis.

Culture of Narcissus.

The first thing to do is to get suitable soil. Any good ground will do, but some soils are better adapted for the purpose than others. Bulbs will thrive in light or heavy land, dry or wet soil, provided there is no stagnant water at the roots.

The best soil of all is a good deep medium loam, and a north or north-west aspect if sheltered will answer as well as any. If the land hangs to the south, the blooms will be earlier, but the bulbs do rather better if not exposed to too much direct sun in the middle of Summer.

The soil should be deeply worked, not so deeply as to bring up a lot of poor subsoil, but deep enough to prevent the bulbs suffering from drought during the Summer. Work with the spade in preference to the plough. Spade work is better, it is generally deeper, and leaves no smooth bottom to prevent draining, as is the case in ploughing. When the ground is well worked down, mark out the piece in beds.

There are various methods of planting; some plant in much the same way as you would plant potatoes. This suits very well for such large bulbs as Sir Watkin, Emperor, etc., but for medium and small bulbs the following will be found the quickest and cheapest plan: Having marked out all the beds in the piece by notching the edges of the paths, dig out the soil from the bed at one end to the required depth, carrying in to the other end of the piece to fill the last bed. Prepare the bottom by working it with a spade or fork, then put in the bulbs regularly and firmly, so that they will not be thrown down in covering them. Plant not too deeply. If the top of the bulb be covered two inches, it will be found sufficient for the smaller kinds, and three or four inches is ample for the larger varieties. The bed having been all planted, it may then be covered by digging out the ground from the next bed and throwing carefully over the bulbs. When this is done the second bed is ready for planting, and so on through the whole piece.

Having planted the bulbs, which should be done at the latest by the end of September and, preferably, in August, there is nothing to do but to keep the ground clean till they bloom in March or April. This is best done by passing over them with a Dutch hoe several times, before the green points come too near the surface. A good plan especially in wet ground is during December to cut out the paths, to the depth of five or six inches, and throw the ground over the beds, in this way killing any small weeds there may be. At the same time the sunken paths will act as so many drains to take off the surplus water. Another way to keep the ground clean is to give it a good covering of seaweed; this also serves as a manuring.

The bulbs begin to bloom very early in the Spring; in fact, before Spring begins, some few varieties blooming throughout the Winter. I have known the Paper White to commence blooming in September and continue in bloom throughout the Winter. It is quite usual for such varieties as Soleil d'Or and Double Roman to commence at Christmas.

During the flowering season the bulbs should be gone over at least once a fortnight, to dig out any stray bulbs of other kinds that may be among them. If this is not done carefully the stocks will soon get mixed, and, therefore, practically unsaleable. Care must be taken during the flowering season that the bulbs do not get overgrown with weeds, as these will dry the ground and stifle the foliage. Any injury done to the bulb during its growing season, after the flowers are off, will spoil the flower crop for the following year, as it is during the Summer that the bloom for the following year is formed.

As soon as the leaves have died down the bulbs are ready for digging. It is not necessary to dig most bulbs every year; they will do very well left for two or even three years in the ground, providing the soil is good, and not allowed to get foul with weeds. But for some of the more delicate varieties, and if the bulbs are required for sale, in which case a fine plump, round bulb commands the readiest market, digging every year is advisable.

In digging, care should be taken not to prick the bulbs with the fork, as the least injury will cause some varieties to rot. If the bulbs are to be left out on the ground, they should have a slight covering, to prevent them scorching. When storing the bulbs, take care not to mix the various kinds, let each lot be labeled, and put them in a dry shed, if possible. When well dried, they may be separated, sorting them in two or three sizes, and having all ready to plant again as early as possible.

In the case of delicate varieties, such as Obvallaris, Sulphur Crown, etc., plant, if possible, in ground quite new to narcissus.

As regards manuring, I find it answers best to use little manure directly to the bulbs. Grass ground, grass fed off and manured regularly every year, is the most suitable, but, when this is not available, use land that has been well manured for the previous crop; or, if manure is really needed, well decayed farmyard manure may be used, care being taken to bury it well away from the base of the bulbs; they, being deep rooters, will find it when they need it. Bone meal is also very good.

One of the pests we have to contend with is the narcissus bee. It lays its eggs at the base of the leaves, at the times when the leaves are nearly ripe. The grub when hatched finds its way down to the base of the bulb, where it commences eating its way through, thus destroying the bulb completely, if given time enough. I know of no cure for this pest, but if the bulbs are lifted every year and examined carefully, and those attacked treated with paraffin, or the grub otherwise destroyed, the pest may be kept within bounds. It does not attack all sorts equally, and some seasons it does more damage than in others. I think a lot depends on the state of the weather, when the bees come out. If it happens to be cold and wet, you will find them dull and quite easy to catch, but in bright, sunny weather they are very active, as they need to be, their life being very short.

Narcissi suffer from several diseases: some go bad with rust at the base, and others will rot off completely at times without any apparent cause. I can suggest no remedy, but if the directions as to their culture, which I have given earlier in this paper, are followed, I think it will go a long way towards preventing the troubles.

Now as to which are the best sorts to grow, I will suggest a few names, but cannot give a list of all the best varieties.

If flowers are needed as early as possible, grow the well-known varieties I have mentioned before—Paper White, Double Roman and Soleil d'Or.

Then in February you can have Double Daffodils, Princeps and Obvallaris or Tenby, and among any dearer sorts, Henry Irving, Golden Spur and Countess of Anaesley.

March and April are the principal months for narcissi. Then you have nearly all the different kinds in bloom, some of the best market varieties being Bicolor, Horsfieldi, Incomparabilis, Sir Watkin, Princess Mary of Cambridge, Barri, Conspicuous, Cynosure, etc. Then the Poeticus section, represented by Ornatus and Poetarum; these are among the best for market purposes. Ornatus especially, is one of the finest blooming varieties grown; its pure white flowers coming as they often do at Easter, are always in great demand.

Among the later sorts are Emperor, Empress and Grandee. I should have also mentioned the Orange Phœnix and Sulphur Crown, and also Polyanthus Grand Monarque, and the latest of all blooming in May, the Double White Narcissus. Of course there are many more kinds, some catalogues naming 200 or 300 varieties, but the really valuable and distinct kinds are not nearly so numerous.

Great care should be taken in gathering and packing the flowers, as it is no use growing them well if they are to be neglected in the end. When gathered, stand the flowers in water, taking care that the blooms themselves are kept dry, and leaving them in water till packing them in the boxes the morning of sending. Bunch carefully twelve in a bunch, leaving the stems as long as possible. It is bad policy to shorten them, as buyers are always anxious to get long stems. Pack in the boxes supplied by the salesman, in a single layer, not in two or three, as is sometimes done. This is the cause of many of the complaints of flowers arriving in a damaged and heated condition.

To keep the flowers from shaking and getting bruised in transit fix a piece of wood across the box, pressing firmly on the stems where they cross in the middle of the box. If these precautions are taken and the boxes firmly bundled together, there will be fewer complaints of the flowers arriving damaged.

A word or two as to forcing before I close. Plant the bulbs in boxes or pans in August, stand them outside, covering with ashes to keep them cool. As soon as the points show through, the ashes may be removed.

Double Daffodils, Princeps, Tenby, Golden Spur, Sir Watkin and Ornatus are among the best varieties for forcing.

Double Daffodils, Princeps and Tenby may be taken into the forcing house about Christmas, care being taken not to get the temperature above fifty degrees till the buds are well advanced. The other sorts may be put in the beginning of February, giving a supply of good flowers during the coldest months of the year.—E. T. Wheadon, in Guernsey Growers' Year-Book.



Bed of Pink Hyacinths on the Grounds of T. L. Watt, Esq., Scarsdale, N. Y.

Photographed by S. G. Harris, Landscape Gardener, Tarrytown, N. Y.—Awarded Honorable Mention.

Denver.

Florists' Picnic.

The only thing of importance the past week was the picnic given by the Park Floral Co., to all the employes. About forty people, assembled at the depot on the morning of the Fourth, and took the train to the mountains, or rather to the edge of them, and from there we "tally-hoed" or "hay-rocked" it up a little higher. A good program of sports was laid out beforehand, so that when we arrived at the grounds everything was in readiness. Liberal prizes were offered by the company, and a great deal of rivalry existed, especially in the 90-yard dash handicap, open to all employes. The program started off with the boys' race, 75 yards' handicap, and was won by Harry Berry, off the 2½ yd. mark; time 9½ seconds.

The bugle sounded, calling the old men to the scratch. This race was open to those between the ages of 50 and 100 years. They ran 50 yds., and John Berry lasted just long enough "to cop the dough." Time 8½ seconds. Pretty good, John thought, for a man 60 years old. Then came the race that put us on edge—the ladies'. There were several entries, but by post time a few had scratched out, some declining the weight and others preferring a heavy track. This race was 50 yards, and they carried weight for age. And some of them got it pretty hard on that. To describe the race would be a very hard task. I can only say that some of them raced down, others walked, and I saw one that came down single foot. Miss Page ran the best, but at the end the weight told, and she just won by a length. Next we had the much-talked-of race, the 90-yds. handicap dash. Mr. Valentine did some clever handicapping in this event, and the final brought out a pretty finish. Twelve started, so we ran three heats and a final, the winner of each best to qualify. Don Scott won his heat off the 5-yard mark, Geo. Plews his off the 12-yard mark, and Philip Scott and Chas. Mossholder ran a dead heat in their race, Scott starting on the scratch and Mossholder on the 18-yard mark. So as not to tire them, the judge allowed both to start in final. There were men set all the way up to the 18 and 20-yard line, but they couldn't qualify. Geo. Plews won the final, with P. Scott second, and D. Scott third, he winning very nicely by a yard, in the fast time of 9¾ seconds.

In the hop, skip and jump, Plews again scored, with P. Scott second, and D. Scott third—distance 40 ft. 6 in., with a handicap of 7 feet 6 inches.

The three-legged race was next, and three teams started, but they didn't finish, Scott and Bloy taking a tumble. The race was won by Plews and Harry Berry, but it looked as though they had been doing a little work before the race.

The sack race was very amusing, most of the starters never having been in a sack before. Plews said he had run sack races in England and had an easy time of it.

The peanut race brought out a good many starters, and was supposed to be for the ladies only, but John Berry sneaked in and won it, but the judge decided that, as he was no lady, the prize would go to the next best, and Mrs. Sked got it.

The program was wound up by a ball-throwing contest, and P. Scott scored his only win; but he's thrown a ball before. The happy crowd then went over to a beautiful spot, high up, to have dinner. It was a grand layout, and much credit is due Miss Page and Miss Simpkins, they having the honor to look out for the grub. The spot was an ideal one, if for nothing more than an appetite. Behind us were the great snow-capped Rockies, and before us, as far as one could see, lay the eastern prairies.

Before leaving the grounds, the crowd gave three rousing cheers for our genial boss, Mr. Valentine, and went home to think over the many happy events of Park Floral's gala day.

Denver.

Louisville, Ky.

Business has now assumed its usual midsummer dullness. Good flowers are very scarce, and the Florists Society held its July meeting at the residence of Jacob Schulz, on Tuesday afternoon, July 3. After the business of the day had been attended to, the members present were served with refreshments. A most enjoyable time was spent. The sympathies of the Louisville florists and the trade in general are with C. F. Wood, of the firm of Wood & Stubbs, seedsman and President of the Society of Kentucky Florists, in the loss of his wife, who died at Richmond, Va., Mr. Wood's former home.

Victor Mathis leaves to-day for a visit to the Paris Exposition and his old home.

J. S.

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	" extra	8.00 to 10.00	8 00 to 10.00	.... to 20.00	16.00 to 20.00	14.00 to 18.00
	" No. 1	3.00 to 5.00	4.00 to 6.00	10.00 to 15.00	8.00 to 12.00	10.00 to 12.00
	" Culls & ordinary	.50 to 3.00	1.00 to 3.00	5.00 to 6.00	3.00 to 6.00	5.00 to 8.00
	Bride, 'Maid, fancy—spc'l	3.00 to 6.00	4.00 to 6.00	3.00 to 6.00	.... to	1.00 to 6.00
	" extra	2.00 to 3.00	3.00 to 4.00	3.00 to 6.00	2.00 to 5.00	1.00 to 6.00
	" No. 1	1.00 to 2.00	2.00 to 3.00	.... to	2.00 to 4.00	.... to ....
	" No. 2	.50 to 1.00	.... to 1.00	.... to	.... to	.... to ....
	K. A. Victoria	3.00 to 5.00	2.00 to 8.00	3.00 to 6.00	2.00 to 5.00	2.00 to 6.00
	La France	.... to	.... to	.... to	2.00 to 4.00	.... to ....
	Meteor	1.00 to 3.00	1.00 to 5.00	2.00 to 6.00	2.00 to 4.00	2.00 to 6.00
	Papa Gontier	.... to	.... to	.... to	.... to	.... to ....
	Perle	1.00 to 2.00	1.00 to 4.00	2.00 to 4.00	2.00 to 3.00	1.00 to 3.00
	Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
	ORCHIDS—Cattleyas	25.00 to 35.00	.... to	.... to 50.00	.... to	.... to ....
	Cypripediums	.... to	.... to	.... to	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	.50 to .75	.25 to .40	.50 to .75	.50 to .60	.30 to .40
	STANDARD VARIETIES White	.50 to .75	.40 to .50	.... to 1.00	.75 to 1.00	.50 to 1.00
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	STANDARD VARIETIES Red	.50 to .75	.40 to .50	.... to	.75 to 1.00	.50 to 1.00
	STANDARD VARIETIES Yel.&Var	.50 to .75	.40 to .50	.... to	.75 to 1.00	.... to ....
	*FANCY— White	1.00 to 1.25	.50 to .75	.... to 1.50	1.25 to 2.00	1.25 to 1.50
	*FANCY— Pink	1.00 to 1.25	.50 to .75	.... to 1.50	1.25 to 2.00	1.25 to 1.50
	*FANCY— Red	1.00 to 1.25	.50 to .75	.... to 1.50	1.25 to 2.00	1.25 to 1.50
	*FANCY— Yel.&Var	1.00 to 1.25	.50 to .75	.... to 1.50	1.25 to 2.00	.... to ....
	NOVELTIES	1.00 to 1.25	.75 to 1.00	.... to 2.00	.... to	.... to ....
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	CALLAS	3.00 to 5.00	4.00 to 6.00	.... to	.... to	.... to ....
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In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work.
45, 47, 49 WABASH AVENUE, - - CHICAGO, ILL.

...Wholesale Prices of Cut Flowers...

	Names and Varieties	Chicago July 11, '00	St. Louis July 11, '00	Cincinnati July 10, '00	Milwaukee July 11, '00	Pittsburg July 3, '00	Toronto July 11, '00
Roses	A. Beauty, fancy—special	18.00—20.00	....—	....—	....—	20.00—25.00	....—25.00
	" extra	12.00—15.00	....—	....—	....—	12.00—15.00	....—10.00
	" No. 1	5.00— 8.00	....—	....—	10.00—15.00	8.00—10.00	....— ....
	" Culls & ordinary	2.00— 3.00	....—	....—	4.00— 6.00	3.00— 5.00	....— 5.00
	Bride, Maid, fancy-spec'l	....—	2.00— 4.00	4.00— 5.00	3.00— 4.00	....—	....— ....
	" extra	4.00— 5.00	2.00— 4.00	4.00— 5.00	3.00— 4.00	2.00— 8.00	1.00— 8.00
	" No. 1	2.00— 3.00	....—	....—	....—	2.00— 8.00	1.00— 6.00
	" No. 2	.75— 1.00	....—	....—	....—	2.00— 0.00	1.00— 4.00
	K. A. Victoria	3.00— 5.00	....—	....—	4.00— 6.00	4.00— 8.00	....— ....
	La France	....—	....—	....—	....—	2.00— 4.00	....— ....
	Meteor	2.00— 5.00	2.00— 5.00	4.00— 5.00	4.00— 6.00	2.00— 8.00	1.00— 6.00
	Papa Gontier	....—	....—	....—	....—	....—	....— ....
	Perle	2.00— 3.00	....— 2.00	....—	3.00— 4.00	2.00— 6.00	1.00— 4.00
	Souv. de Wootton	....—	....—	....—	....—	....—	1.00— 6.00
	Orchids—Cattleyas	....—	....—	....—	....—	....—	....— ....
	Cypripediums	....—	....—	....—	....—	....—	....— ....
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	Inf'r grades, all colors	.40— .50	....— .75	....— .60	....—	.50— .75	....— .50
	Standard Varieties: White	.75— 1.00	1.00— 1.25	1.00— 1.50	.50— 1.00	.50— 1.00	1.00— 2.00
	Standard Varieties: Pink	.75— 1.50	1.00— 1.25	.75— 1.00	.50— 1.00	.50— 1.00	1.00— 2.00
	Standard Varieties: Red	.75— 2.00	1.00— 1.25	....— .50	.50— 1.00	.50— 1.00	1.00— 2.00
	Standard Varieties: Yel.&Var.	.75— 2.00	1.00— 1.25	....—	.50— 1.00	.50— 1.00	1.00— 2.00
	*Fancy— White	....—	1.50— 2.00	....—	1.50— 2.00	1.50— 2.00	....— ....
	(*The highest grades of standard var) Pink	....—	1.50— 2.00	....—	1.50— 2.00	1.50— 2.00	....— ....
	(*The highest grades of standard var) Red	....—	1.50— 2.00	....—	1.50— 2.00	1.50— 2.00	....— ....
	(*The highest grades of standard var) Yel.&Var.	....—	1.50— 2.00	....—	1.50— 2.00	1.50— 2.00	....— ....
	Novelties	....—	....—	....—	1.50— 2.00	....—	....— ....
	Adiantum	.50— 1.00	.50— .75	....— 1.00	....— 1.00	1.00— 1.25	....— .50
	Asparagus	40.00—50.00	....—	....—	....—60.00	35.00—50.00	30.00—50.00
	Asters	....—	1.00— 1.50	....—	....—	....—	....— .60
	Callas	8.00—10.00	....—	....—	....—	....—	....— ....
	Daisies	.10— .25	....—	....—	....— .50	.25— 1.00	....— ....
	Gladiolus	4.00— 6.00	3.00— 4.00	....—	4.00— 6.00	2.00— 6.00	....— ....
	Iris	....—	....—	....—	....—	....—	....— ....
	Lilies	8.00—12.00	....—	....—	....—	8.00—10.00	....— 6.00
	Lily of the Valley	4.00— 5.00	....—	....—	....—	2.00— 4.00	....— 2.00
	Mignonette—ordinary	....—	....—	....—	....—	....—	....— ....
	" fancy	....—	....—	....—	....—	....—	....— ....
	Pæonies	....—	....—	....—	....—	....—	....— ....
	Smilax	10.00—12.00	....—12.50	....—15.00	....—15.00	12.50—15.00	....— ....
	Sweet Peas	.10— .30	—	.15— .25	....— .25	.25— .75	.20— .50
	Tuberoses	....—	4.00— 5.00	....— 5.00	....—	....—	....— ....

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Florists' Supplies. Consignments Solicited. Write for Price List. PITTSBURGH, PA.
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GALAX LEAVES
For latest prices green and bronze Galax Leaves and Leucothoe, address the introducer,
HARLAN P. KELSEY,
Tremont Bldg., BOSTON, MASS.
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Galax Leaves Brilliant Bronze or Green, $1.50 per 1000.
FANCY FERN, DAGGER FERN, Etc., at Market Prices.
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THE FLORISTS' MANUAL BY WM. SCOTT.
IS A BOOK of 224 large pages (8½x11 inches), and contains about 200 articles on commercial plants and cultural operations, each giving "the meat" only, from the personal experience of a thoroughly practical man who is in daily touch with each department of the business and who has that rare quality of being able to tell others **what they want to know.** The articles are arranged alphabetically, like those in an encyclopædia, and in an instant one can turn to the subject upon which light is desired at the moment. The book is illustrated by over 200 fine half-tone engravings. It is
A Complete Reference Book for Commercial Florists
and is a whole library on practical commercial floriculture in one volume. It is very handsomely and substantially bound in half leather, with specially designed title in gold. PRICE, $5 00, CARRIAGE PREPAID.
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RICHMOND, INDIANA.

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CHAS. H. RICKSECKER, Linville, N. C.
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Northern Ferns
NOW READY, 50c. per 1000 LAUREL FESTOONING, 4c. to 6c. a yd. Best goods always.
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PREPARED PALMS
Artificial Flowers and Smilax. Palm Leaves of all varieties, Green, Dried, Pressed or Prepared, Cycas Leaves Area Leaves, Cape Flowers, Uva Grassea. Lowest Prices, Largest Stock. Write us.
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OBITUARY.

Robert Murray.

We regret to have to chronicle the death of Robert Murray, of Toronto, a gentleman who for several years had acted as superintendent of the Horticultural Department of the Industrial Exhibition. He was around, and apparently quite well, on Thursday, June 28; was taken suddenly ill on the 29th, and died on Monday, July 2. Mr. Murray was highly respected by all who knew him. He was an ideal superintendent for a show; he had a rare knowledge of flowers and fruits, and while being perfectly fair, was so firm and tactful that he nearly always made things go smoothly. It will be hard to fill his place.

Deceased was one of the old-time gardeners who had a good general knowledge. He came to Canada many years ago from Scotland, and had charge of several private places in different parts of the country. He lived a few years in the United States, but about 20 years ago went to Toronto and started in the florist's business, in which he was successful. A few years ago his land became very valuable, and he retired with a competency. M.

SMILAX From 2 inch pots, $1.25 per 100, $10.00 per 1000.

E. I. RAWLINGS, Quakerstown, Pa.

Mention the Florists' Exchange when writing

25,000 SMILAX That will grow and make strings this fall. From 2 inch pots, $1.50 per 100; $13.00 per 1000. From flats, by mail, 50c. per 100; $4.00 per 1000. Send for samples.

CASH WITH ORDER.

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Strong seedlings from flats, 40c. per 100, $3 per 1000.

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100,000 SMILAX

Extra fine strong plants, out of frames, at $2.50 per 1000; $1.50 per 500, by express; by mail, 40 cts. per 100.

ASTER PLANTS.

Semple's, Truffaut's, Queen of the Market, fine, stocky plants, at $2.00 per 1000.

GUSTAV PITZONKA, - Bristol, Pa.

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30,000 SMILAX

Nice, thrifty, 2 inch, per 100, $1.25; per 1000, $10.00.

Primula Forbesi (Baby Primrose), extra fine plants from 3 in. pots, ready for 4s and 5s, only $5.00 per 100.

CASH WITH ORDERS, PLEASE.

GEO. J. HUGHES, Berlin, N. J.

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SMILAX 2½ inch pots, strong plants, $1.50 per 100; $12.00 per 1000.

BOSTON FERNS

$10.00, $15.00 and $20.00 per 100.

GOOD VALUE. CASH WITH ORDER.

J. W. HOWARD, 330 Broadway, Somerville, Mass.

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SMILAX.

2 inch, strong plants, $1.25 per 100; $10.00 per 1000.

COLEUS, R. C., 70 cents per 100; $5.00 per 1000, prepaid.

C. HUMFELD, Verbena King, Clay Center, Kan.

Mention the Florists' Exchange when writing

SMILAX

From 2½ in. pots, $2.00 per 100.

Russelia Multiflora and Elegantissima, from 3 in. pots, 60 cts. per doz.

Asparagus Tenuissimus Nanus, from 2 in. pots, 50 cts. per doz.

Asters, Queen of the Market, strong, from soil, $1.00 per 100.

J. G. EISELE, 20th and Ontario Sts., Phila., Pa.

Mention the Florists' Exchange when writing.

SMILAX

Fine plants, 2 inch pots, $1.00 per 100; $8.00 per 1000.

ASPARAGUS Sprengeri, 2 inch pots, $3.00 per 100. Plumosus Nanus, 2 inch pots, $4.00 per 100.

PRIMROSES July 1st, Chinese, Forbesi, Obconica, Grandiflora and Rosea, $2.00 per 100.

PANSY SEED August 1st, $4.00 per oz. Cash, please.

JOS. H. CUNNINGHAM, Delaware, Ohio.

Mention the Florists' Exchange when writing.

SMILAX From Pots. Ready Now.

$1.50 per 100; $15.00 per 1000.

ASPARAGUS PLUMOSUS

From 3 in. Pots. Ready July 15.

$5.00 per 100; $50.00 per 1000.

You will make no mistake in sending me your order. This stock is of the same high quality as that furnished last season. Samples furnished to new customers if desired.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

Toronto.

Trade News.

Business is slow. The roses and carnations offered are generally of very poor quality. The few really passable flowers offered are soon picked up. Outdoor stock still sells fairly well, but there is no extensive demand for it. Nymphæa odorata meets a fair demand at retail, but there does not appear to be any call on other varieties at present. Sweet peas are coming in very plentifully, and bringing from $2 to $5 per 100 bunches of one dozen in a bunch. Choice white flowers are rather scarce, and there is a fitful demand for them.

Our retailers still keep a few nice flowers or plants in their windows for appearance sake.

Fred Browne, the Queen street florist, is a happy man. His first-born a son arrived about two weeks ago.

Harry Dale, of Brampton, is seriously ill, but we sincerely hope he may pull through. T. M.

Ottawa.

Trade Notes.

For the past week we have had continuous rains, but as the ground was very dry, they have done no harm. Carnations in the field are looking good. Sweet peas have been greatly benefited, and in this locality are just in. Roses, carnations, chrysanthemums, and violets, planted in the houses, have made a good start, owing to the cool nights.

Business still has a little body, even in the bedding plant line; some rather good orders last week caused quite a hunt for geraniums, and any old plant had to be utilized.

A visit to Alymer last week showed friend Wright had been doing something else besides selling bedding plants, as he had four new houses just ready for planting—two for carnations and two for roses. They are built in pairs, path under the gutters; 110 by 56 feet; and, as they say in house building, with all modern improvements. As man, location, and soil are most suitable, we look upon them as the nucleus of another large rose establishment.

The Horticultural Society had a very successful exhibition. The show of roses was very good and the attendance large.

I would suggest to the Montreal and Berlin Canadian Horticultural Society officials to begin on the Convention advance notes. 'Tis a long way to Winnipeg. E.

Montreal.

Trade Notes.

The dull Summer season is now with the retailers, and trade is practically nil. Indoor flowers, with the exception of carnations, are past; and even for them there is no demand worth mentioning. Outdoor stock is plentiful, but all show signs of rough treatment accorded them by the elements. Sweet peas are coming in freely, and are of very good quality compared with those of late years.

Whatever may be the condition with the retailers, the growers are trying to get a few more than the usual 24 hours into each day. Prospects must be considered improved, as most of the local men are either making additions to, or improving and modernizing existing structures. Some very fine, freshly planted houses of roses are seen.

The weather the past three weeks has been the most remarkable on record. From intensely hot and dry, the thermometer steadily fell, until on the night of June 28 a frost was registered, which, accompanied by a very strong north-west wind played havoc with all the more tender outside plants and flowers—baskets, vases and window boxes were practically destroyed. The Summer residents on the banks of the St. Lawrence suffered more heavily than the dwellers under the shelter of old Mount Royal. Very heavy rain and wind storms ever since, with the thermometer below 50 almost every night, has been most unseasonable, but is proving splendid for carnations and other plants in the field, the former in some cases being nearly as large and far healthier than those lifted last Fall.

Jottings.

We are all pleased to report that John S. Murray still continues to make gratifying progress toward convalescence.

CHRYSANTHEMUMS Now is the time to plant them. We offer extra fine vigorous plants, from 2 and 2½ inch pots. Everybody likes them; they are so strong and healthy that they surprise all of our new customers; our old customers, of course, always know what to expect, but even they occasionally tell us that our stock is getting better all the time. Following is a partial list.

EARLY	100	MID-SEASON	100	LATE	100
Ivory	$3 00	Major Bonnaffon	$3 00	Mrs. J. Jones	$4 00
M. Henderson	3 00	Wm. Simpson	3 00	Liberty	4 00
Geo. S. Kalb	3 00	V. Morel	3 00	Merry Xmas	4 00
Merry Monarch	3 00	G. W. Childs	4 00	Autumn Glory	3 00
Willowbrook	4 00	H. W. Longfellow	3 00	E. Dailledouze	4 00
M. da Montmort	3 00	Mrs. Murdoch	3 00	Golden Wedding	4 00
Mrs J. Whilldin	3 00	Mrs. T. L. Park	6 00	Nagoya	6 00
John K. Shaw	5 00	Black Hawk	4 00	Xeno	6 00
Golden Trophy	3 00	Mrs. C. H. Pierce	3 00	Harry Balsley	3 00
Glory of the Pacific	3 00	Mrs. H. Robinson	3 00	Adula	3 00
				Mrs. Baer	8 00

In addition to the above we have a large list of new and other standard sorts. Send for complete list.

H. WEBER & SONS, OAKLAND, MD.

Mention the Florists' Exchange when writing.

Club News.

The meeting Monday night was, considering the time of year, very well attended. The proceedings were of an interesting character. The picnic committee reported that the steamer Hochelaga had been engaged to carry the members and their friends to Isle Gros Bois on Wednesday, July 18. There will be the usual program of sports, etc. The trip on the St. Lawrence, lasting about two hours each way, will be one of the most enjoyable features.

Two papers were read, one by John Walsh on his specialty—hardy shrubs; one by John Pidduck, gardener on Mount Royal, on bedding and bedding plants. Both papers were of a thoroughly practical nature, and were greatly appreciated.

A resolution of condolence was passed and ordered forwarded to the family of the late Robert Hall, one of our honorary members. The committee reported that a suitable floral design had been sent. The deceased gentleman, who was an ardent lover of flowers, and who was always willing to help on the society in the most practical way, expired suddenly in his chair while apparently enjoying the best of health.

Lachine Horticultural Society.

This society, formed last Winter in this popular Summer resort, already boasts nearly 200 active members. Cottage garden competitions in several sections are being held, valuable prizes having been already secured for each section. A grant of $100 has been obtained from the provincial government, a like sum being practically promised by the municipality of Lachine, which will also give free use of the town hall for the September exhibition, at which substantial cash and donated prizes will be offered. Moreover, what will go far to make this show a success is, that the money to pay the cash prizes is already in the bank. The whole society is a monument to the perseverance and industry of the able Secretary-Treasurer, Chas. A. Smith. B.

ORCHIDS

Arrived in excellent condition **Lælia Purpurata, L. Grandis Tenebrosa** and **Oncidium Varicosum Rogersii. Also Cattleya Percivaliana, C. Mossiæ, Lælia Anceps** and **L. Autumnalis.**

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Horticultural Auctioneers,

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THE VERY FINEST STOCK OF

IVORY 'MUMS

$2 per 100; $17.50 per 1000.

2,500 ready for this and next week's planting; 2,000 for later planting

Your money back if not As.

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VIOLETS. VIOLETS.

Marie Louise, clean and healthy in every particular 3 in. pots, $5 00 per 100; ready August 1st.

Cash with Order.

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Mention the Florists' Exchange when writing.

VIOLETS From pots, A1 stock, free from disease: Lady Campbell, M. Louise and Farquhar. $2.50 per 100; $20.00 per 1000; New Imperial, fine stock, $3.00 per 100; $25 00 per 1000.

GERANIUMS S. A. Nutt and Bruanti, $6.00 per 100; 3 in., $3.50 per 100, incl. Mme. Salleroi.

ALTERNANTHERA red and yellow, from flats $2.00 per 100.

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VIOLETS MARIE LOUISE VIOLET PLANTS

Strong, clean, healthy and well-rooted, for immediate planting; grown in flats, $2.50 per 100; $20.00 per 1000.

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THE GREEN SPRINGS FLORAL CO.

WALDROP, VA.

Farquhar Violet	per 1000,	$20 00
Lady Hume Campbell	"	15 00
Princess of Wales	"	12.50

Also field-grown plants of the different varieties, at the same figures as the potted plants. Guaranteed clean of all diseases. Money must accompany all orders.

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CARNATIONS

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WM. MURPHY,

Wholesale Carnation Grower.

Sta. F., CINCINNATI, O.

Mention the Florists' Exchange when writing.

Buffalo.

Trade News.

In the stores, occasional orders for funeral work break the monotony of dullness on sundry days. There is a disposition to decidedly early closing of the stores.

Some warm, almost hot weather, as our atmosphere averages, has been on much of the time recently, latterly followed, however, by much cooler and refreshing showers of such extent as to put all growing nature again in amiable trim.

Roses are scarce, and likely to be so for a while. Carnations are still good and pleatiful, as are out-door sweet peas: some good aurntum lilies are now seea in the stores.

Jottings.

Local report has it that Mrs. D. Newlands will remove from the location with whieh she has been so long identified on Forest Lawn Cemetery property, on Main street, to a prominent position on Delavaa avenue, opposite the same cemetery.

Louis J. Hack has severed his connection as tenant of the Brauer greenhouses, on E. North street, to re-enter the employ of C. F. Christensen on his new place.

They are beginning to "talk about us" apparently, concerning the 1901 S. A. F. Convention. So far, or up to the present, to the Buffalo craftsman an echo of prematureness follows it all.

Richard Ludwig of Cromwell, Conn., the active inside business man of A. N. Pierson's establishment, was last week the guest of S. A. Anderson. Geo. A. Tilton, of Cleveland, en route to the etropolis, paid us a pleasant visit on Tuesday.

VIDI.

Rochester, N. Y.

"The dullest June for several years," s the verdict at several places. The first week of July showed no improvement.

Sweet peas are already over-plentiful. Asters appeared on the fifth, but are hardly in full supply yet. The abundant rains of last week were in time to save much stock that was suffering from drouth. A good deal of planting that had been held back for rain was rushed through the showery days.

The acreage of Danish cabbage in Monroe County, running into the thousands, is reported larger thaa usual, and starts out favorably.

Mrs. Jacob Thoman & Sons are carrying on the business at their North Goodman street place this Summer, while Mr. T. is taking in the Paris Exposition.

E. R. Fry has put in a fruit stand, aad finds it a sensible addition to Summer trade. Several local growers were noticed, lately, swapping posies for pine apples.

It is expected that the Rochester A. O. H. (Associated Ornamental Horticulturists) will have a clambake at Arnold's sweet pea farm on the Chili Road some time the present month. Culinary matters will be in charge of an experienced *chef*, Thos. Gilmore, whose Falstaffian proportions indicate an intimate knowledge of the subject. G. A., Jr.

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COMBINING the qualities of an absolute insect exterminator with those of a vigorous fertilizer. Recommended and in use by the foremost florists and nurserymen in the land. For Sale at the Seed Stores.
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Samples and prices free.
FOR SALE BY LEADING JOBBERS.
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108 West 28th St., Near 6th Avenue, New York City.
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YOU SHOULD KNOW WHAT NOTED GROWERS SAY
Imperial Liquid Plant Food DOES.
Inodorous, not expensive. Full information, booklets, prices on request. Leading Eastern Dealers handle it. Eastern Chemical Co., Mfrs., 620 Atlantic Avenue, Boston, Mass.
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GEORGE RIPPERGER,
SHEEP MANURE
I have now on hand a large quantity of A1 SHEEP MANURE.
Send for PRICE LIST and SAMPLE.
Best Fertilizer for Top Dressing.
Office, 207 Academy St., Factory, Seventh St., LONG ISLAND CITY.
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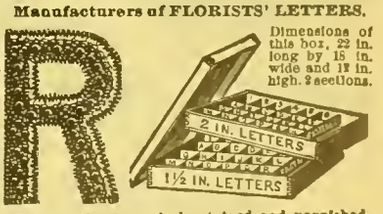

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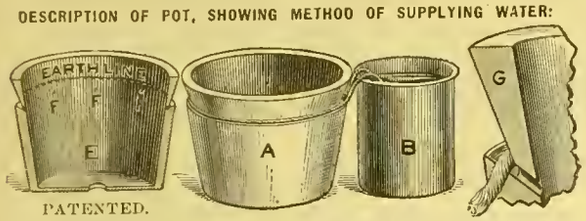

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A, indicates the pot; B, a reservoir for water; E, section of pot, showing earth line and perforations or water passages F F F below. G, full size section, showing groove, with cord siphon. Several pots may be arranged around one reservoir, each connected therewith by a cord, through or over which the water is conducted by capillary attraction.

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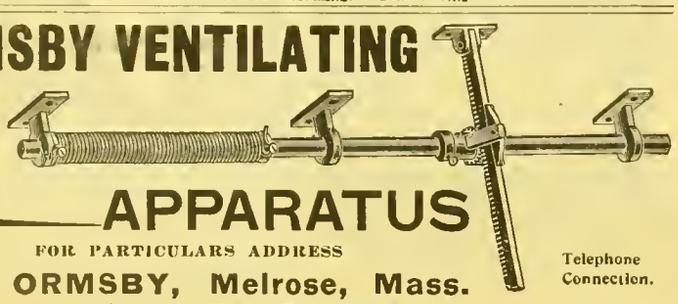

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Chicago.

State of Trade.

Business is slower than was the case a few weeks ago. Even shipping orders for flowers or florists' supplies are limited. The fakir is quite a personage now, especially in the sweet pea line. These flowers are everywhere; never were they so plentiful in this market, often a quarter of a million arriving in a day. Twenty-five cents a hundred is a big price for this stock, the bulk of it going at from $1 to $2.50 per thousand. They cost ½c. per 100 to pick and bunch. The hot spell has reduced the quantity of roses and the quality is decidedly poor, especially in Bride and Bridesmaid. Kaiserin and Golden Gate are included in this category. Meteor is fair. Liberty is showing up somewhat, but the flowers will have to be of a finer calibre to cut much of a figure. The fragrance, however, is there all right. It would be better to let the plants get growth for a while, for all the money the flowers bring.

At last the carnation is growing smaller and less sought for. There are plenty of them yet, but none that can be classified above standard quality. A few samples of outdoor stock have shown up.

Auratum lilies are more in evidence, selling at from $1 to $1.50 per dozen. Longiflorum, about equal to demand, bring $8 to $10. Some excellent water lilies from the Calumet realize 50c. to $1 per 100, but often are sold lower.

Mainly About Outings.

Outing days and outing ways of (some) Chicago florists may as well be the theme, as it is seasonable. O. P. Bassett has purchased a delightful Summer home at his favorite Delavan Lake, Wisconsin. W. S. Washburn left on Tuesday for Lake Harbor, Mich. Mrs. Miller will leave last of August for Colorado Springs. C. M. Dickenson, of E. H. Hunt's, is on a camping and hunting trip in northern Michigan. Miss Sisler will go to Ningara Falls later. John Zeck at Budlong's has gone to Michigan City. Miss Nelda Wolf will go to Astakisie, northern Illinois. C. W. McKellar is still at Chillicothe, O. Arthur Frank, packer, spends his two weeks' vacation with his regiment—2nd Illinois, N. G., now camping at Springfield, Ill. A. Rosen has had his outing at Lonisville, Ky. Louis Winterson will go to Kansas City; Joseph C. Craig to Kalamazoo, Mich; Miss Torner to South Haven, Mich. J. B. Deamud may summer on his father's farm at Cairo, or at Papau Lake, Mich.; Miss Florence Emmett in Wisconsin. Charles Hughes is now in Michigan. Flint Kennicott always spends his holiday at the old homestead. E. E. Pieser is now at West Baden. Steve Minau is in Detroit, Michigan, and Walter Kennicott on a fruit farm in same state. Charles Hunt, of J. C. Vaughan's, is now at his old home in Terre Haute. Mrs. J. C. Vaughan and youngest son are now in Paris.

Alex. Nenberson and Miss Minnie Sorenson, both some time at Vaughan's seed store, were joined in wedlock July 7. Their associates gave them a handsome marble clock. Miss Jessie Ludlow, cashier, is looking forward to a delightful visit to St. Paul, Minn.

Major Freese, the State street florist, was a delegate to the National Democratic Convention held at Kansas City, Mo.

A. L. Vaughan and wife will go across the lake this week and occupy a cottage for the Summer on the St. Joe River.

E. Wienhoeber summers in his beautiful country house on the Lake Bluffs of Waukegan.

John Fuhrman, 1651 N. Clark street, sailed from New York Saturday, July 7, for a two months' trip through Belgium, Holland, Germany and Paris.

The regular quarterly meeting of the Horticultural Society of Chicago occurred Tuesday afternoon, July 10, at the Sherman house.

McKellar and Waterson have just received a fine lot of Zanesville (Ohio) jardinieres, fern dishes and Chinese lily pans.

Herman Schiller, 897 W. Madison street, is remodeling his store and greenhouses to meet his increasing business.

P. J. Saunders has opened a flower store on 51st street, opposite Washington Park.

Anton Then and H. W. Bruns have just ended a two weeks' service on a Cook County jury. Ess.

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Green House Material
Hot Bed Sash. Red Cedar Posts.
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800 3½ " "	5.60	24	11 " "	3 60
500 4 " "	4.50	24	12 " "	4.80
320 5 " "	4.51	12	14 " "	4 80
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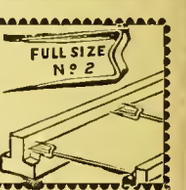

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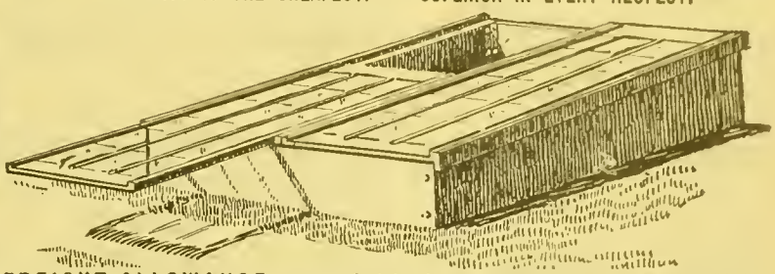

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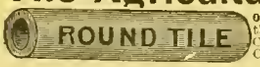

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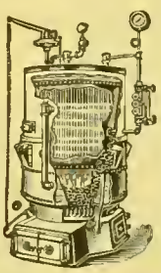

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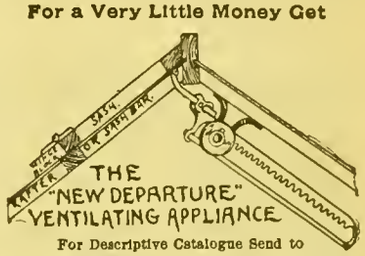

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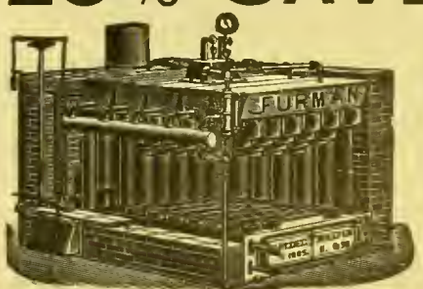

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"Your Diamond Strain of Pansy Seed has always been first-class. I have had seed from many others, but none were equal to the Diamond Strain. All of your seed seems to germinate. I hope that by your honest dealing, it will bring you the success that you deserve."
GEO. B. LUCAS, Lansingburg, N. Y.
Price, over 50 distinct sorts and an endless variety of shades and markings, all mixed, trade pkt., $1.00; ¼ oz., $1.50; ½ oz., $2.50; oz., $5.00. Cash with order.
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Fresh crop, Vautier's mammoth; it is the best strain in every respect; 120 varieties, colors, and markings mixed; flowers are often up to 4 inches in diameter and smell like violets; 3000 seeds, $1.00; 1 oz., $4.00.
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Pansies Worth Raising
SEED AS USUAL
⅛ oz. $1.00
1 oz 4.00
CHR. SOLTAU, 199 Grant Avenue, Jersey City, N. J.
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PANSIES
From Seed Bed, $3.50 per 1000.
A Good assortment of Hardy Plants in Spring and Fall, such as Coreopsis, Veronica, Iris, Funkia, Lemon Lily, Aster, Phlox, Helenium A. Superbum, Lychnis, Larkspur, Digitalis, Antirrhinum, Myosotis, Mist and other hardy stock. Cash with order, please.
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MAMMOTH PANSY
New crop seed now ready. This is the largest and finest Pansy ever offered. We have testimonials from florists from all parts of the U. S praising its size and merits. Trade packet, $1.00; oz., $3.00.
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PANSY Giant Trimardeau, fine mixed, trade pkt., 25c.; oz., $2.00; lb., $20. Giant, fine mixed, oz., $4.00; Giant Yellow, oz., $2.50. Mme Perret, the finest giant pansy in the market, trade pkt., 25c; oz., $4.00. Mlle. Cecile Davy, the purest white, trade pkt., 25c.; oz., $4.00. Giant Bugnot, oz., $3.00; Giant Cassier, oz., $3.50; Excelsior Novelty, pkt., 50c. Cineraria, fine mixed, trade pkt., 25c. Primula Chinensis, fine mixed, trade pkt., 25c. Ten separate colors of primulas, trade pkt., 50c. Colored plate of pansy Mme. Perret by mail, 15c.
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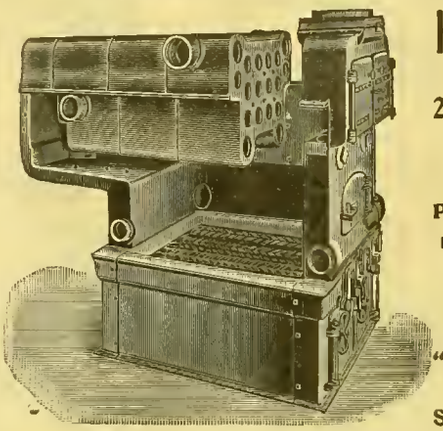

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Iron Frame Benches with the
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From 2¼ in. pots, $2.00 per 100; $18.00 per 1000.
VIOLETS Marie Louise, $2.00 per 100.
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MOUNT HONNES CONSERVATORIES.
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Cleaned and Prepared Expressly for Florists' Use.
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A Working Hand Book of Every-day Practice for the Florist, Gardener and Nurseryman and all those who intend to grow plants and flowers, in the greenhouse or garden, as a means of obtaining a livelihood. Each and every article is written in concise, simple language, and embodies wholly and solely the experiences of the writer. The plants dealt with not only comprise all those which are commonly handled by the trade, but include numerous deserving varieties not so fully known.

THE FOLLOWING ARE THE CHAPTERS:

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A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

Vol. XII. No. 29. NEW YORK, JULY 21, 1900. One Dollar Per Year.

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We have a fine stock of all the leading varieties of WINTER-FLOWERING ROSES—first-class, A No. 1 plants—which we can offer as follows:

Bride, Bridesmaid, Perle, Meteor, La France, Bon Silene, Papa Gontier,
Strong plants, 3½ inch pots, $8.00 per 100.

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Strong plants, 3½ inch pots, $10.00 per 100.

We also have an extra fine lot of **AMERICAN BEAUTY,** extra strong plants, 3½ inch pots, $12.00 per 100.

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CYCAS REVOLUTA (SAGO PALM). We still have to offer a fine stock of dormant roots, in medium sizes, most desirable sizes for general use, 10 cts. per lb.; $25.00 per case of 300 lbs.

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Never Wilts!

Cut Strings, 10 Feet Long, 50 cts.

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We Have Advice of a Large Consignment of 12-15 Centimeter

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Due to Arrive in New York in About a Week's Time. Regular Shipments do not come until August.

If you want to get the **"Cream of the trade," and best prices for the flowers,** by having them in the market at least one month earlier than usual, **secure a portion of this lot at once.**

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(TRUE.) 1st size, $5.00 per 1000; Xtra size, $7.00 per 1000; Monster bulbs. $8.00 per 1000.

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PANSY SEED PLANT NOW. Our "Connecticut" strain is unsurpassed, it has been grown for us by a leading specialist, $1.00 per trade pkt; $6.00 per oz. Benary's "Non Plus Ultra," the best German strain, $1.00 per trade pkt; $8.00 per oz.

CINERARIA GRANDIFLORA Prize Strain, tall ..... $1.00 per trade pkt. Prize Strain, dwarf..... 1.00 per trade pkt.

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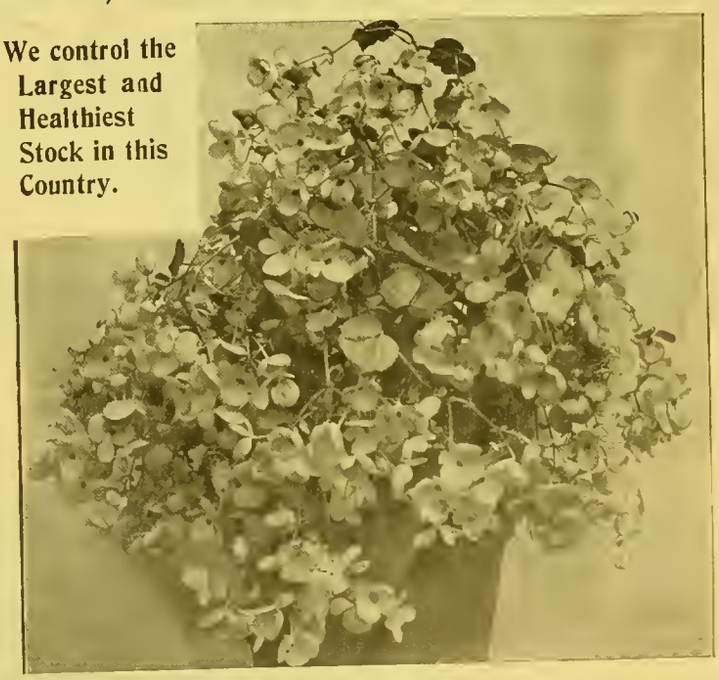

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IF you have not got our Preliminary Trade List of Bulbs, you ought to. It will post you on honest quality at honest prices.

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GLAZING POINTS (Van Reyper's), Per 1000. $0.60
" 5000, 2.75

MASTICA (for glazing), " Gallon, 1.25
" 6 Gal., 6.75

MACHINES for applying Mastica. Each, 1.00
RUBBER PUTTY BULBS (postage, 10c. extra), " .75
FINE, GROUND BONE (in 200 lb. bags), Per Bag, 4 00
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NEW CROP.

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The richest mixture ever sent out, and containing the **Blotched** and **Giant** varieties in greatest proportion; very effective. Per packet 1000 seeds, 25 cts; per ⅛ ounce, 75 cts.; per ounce, $4.50.

Superb Mixture of the **Odier, Cassier** and **Bugnot Strains,** unsurpassed. Per 1000 seeds, 50 cts.; per ⅛ ounce, $1.00; per ounce, $6.00.

Trimardeau or Giant Pansies. Beautiful class of vigorous, compact growth, flowers of an enormous size. Per pkt., 25 cts.; per ⅛ ounce, 50 cts.; per ounce, $3.50.

For varieties in separate colors also quotations on Dutch, French or Bermuda Bulbs, send for our 1899 Bulb Catalogue.

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If you want the finest large and fragrant Pansy flowers, try **Woodbury's Noted Seeds.**

SEVEN PKTS. (700 seeds), FINE ASSORTED, 50c.

Finest German and Giant Flowered French strains, blended or either separate, 2000 seeds, 50c.; ¼ oz., $1.00; oz., $4.00. List free.

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FRESH SMILAX SEED

$2.50 per lb; 25 cts. per oz.

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FRESH ENGLISH MILLTRACK MUSHROOM SPAWN

This Spawn is prepared for us by the best maker in England, and has for years been producing uniformly good crops. Price, $6.00 per 100 lbs.; $55.00 per 1000 lbs. We furnish 250 lbs. at 1000 lb. rate.

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⅜ to ½ in. in diam. at $1.50 per 1000. ¼ to ⅜ in. in diam. at 50 cents per 1000.

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Healthy, strong sets, 1 to 1½ ins. in length, suitable for bench growing, $3.00 per 1000, delivered free to any part of the United States.

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FRESH ON HAND.

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Phœnix Tenuis	$0.75	$5.00	$13.50
" Pumila	1.00	8.00	22.50
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Selected Stocks for Present Sowing and Planting.

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SEED, NEW CROP. Holmes' Capitol train. The best produced in the world.

Per oz., $3.00; ⅛ oz., $1.00; trade pkt., 50c. **Mammoth Mixture,** per oz., $3.50; ⅛ oz., 50c; trade pkt., 25c.

SMILAX SEED New crop, 20c per oz.; $2.75 per lb.
PRIMULA European Prize Strain, largest flowers, trade pkt., 350 seeds, 50c.

Glazing Points (Van Reyper's) per 1000, 60c.
Mastica for glazing, gallon, $1.25; 6 gallons, $6.75.
Putty Bulbs, 85c.

We carry a full line of **Flower Seeds, Bulbs, etc.** Send list for quotations of anything needed.

H. L. HOLMES, Seedsman, HARRISBURG, PA.

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MICE-PROOF SEED CASES and DRAWERS.

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Finest large-flowering fringed, single and double, fifteen varieties, mixed, 500 seeds, $1.00; ⅛ packet, 50c.

PRIMROSE PLANTS, ready in August; Single, $2.00 per 100; Doubles, $3.50.

CINERARIA GRANDIFLORA NANA

The finest large-flowering dwarf varieties, very showy, in choicest mixture, 1000 seeds, 50 cts.

PRIMULA OBCONICA GRANDIFLORA HYBRIDA

The very finest of the improved Obconicae; large-flowering and choice colors, truly grand, 1000 seeds, 50 cts.

PANSY—FINEST GIANTS

The finest large-flowering varieties to be had; best colors and strong growing, in choicest mixture, 3500 seeds, $1. A packet of the beautiful new dwarf Forget-Me-Not "**Blue Beauty,**" added to every order.

The Home of Primroses, JOHN F. RUPP, Shiremanstown, Pa.

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Of all BULBS and PLANTS required next Fall and receive SPECIAL LOW QUOTATIONS from

HULSEBOSCH BROS., Englewood, N. J.

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We are now filling early orders for

WHITE ROMAN HYACINTHS

Just Arrived **LILIUM HARRISII**

Sound, Ripe Bulbs, as Healthy as are grown on the Island.

BERMUDA LONGIFLORUM. Comparatively **free from disease.**

Free Samples and close prices on all Bulbs mailed free on application.

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	100	1000
White Flowered Burmuda—		
Mammoth Bulbs	$0.90	$8.00
Choice "	.75	6.50
Bermuda Buttercup Oxalis—		
Strong Bulbs	.65	6.00
Mammoth Bulbs	1.00	8.00

MUSHROOM SPAWN.

New crop from an English specialist, $7.50 per 100 lbs.

PANSY.

Vaughan's International—
Cream of the world's best stocks.
Per oz., $10.00; ⅛ oz., $1.50; trade pkt., 50c.

Giant Mixture—
Contains all the best giant strains.
Per oz., $4.00; ⅛ oz., 60c.; Trade pkt., 25c.

CINERARIA.

International, large flowers, perfect in form, 1000 seeds, 50c.

PRIMULA

International mixture, best strain for florists, Trade pkt., 350 seeds, 50 cts.; 5 Trade pkts., 1750 seeds, $2.25.

NEW YORK—**VAUGHAN'S SEED STORE**—CHICAGO
14 BARCLAY STREET. 84 and 86 RANDOLPH STREET.

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ESTABLISHED 1802

THORBURN'S SEEDS

We have still left some fresh seeds of the following PALMS in fine condition:

KENTIA FORSTERIANA

per 1000, $4.00; 5,00 to 10,000, $3.50; 10,000 and over, $3.00.

—ALSO—

CYCAS REVOLUTA STEMS in assorted sizes, 3 lbs. to 12 lbs., $8 per 100 lbs., while unsold.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

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Danish Cauliflower Seed

Early Dwarf Danish Snowstorm, selected and grown by the leading specialist of Denmark. Always uniform; fine large white heads, early. No better seed offered at any price.

One Quality Only, The Best.
$2.50 Per Ounce. Per Ounce, $2.50.

A. E. WOHLERT, Importer, Altoona, Pa.

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NOW IS THE TIME TO BUY

SMILAX SEED

NEW CROP.

25c. per nz.; $3.00 per lb.

EVERY SEED WILL GROW

HENRY F. MICHELL
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WHOLESALE PRICE LIST OF SEEDS, BULBS &c. ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS

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CINERARIA—CALCEOLARIA—PANSY

Cineraria, James's Giant Strain, the finest strain offered; per pkt, 30c.; ½ trade pkt, 60c; trade pkt, $1.00. **Calceolaria, James's Giant Strain,** unsurpassed; half trade pkt., 30c; trade pkt., 60c. **Pansy, Johnson & Stokes' Kingly Strain,** comprises all the giant sorts of merit, per pkt., 25c.; ½ trade pkt 30c; trade pkt. 50c.; oz, $5.00.

ASPARAGUS SPRENGERI, 100 seeds, 50c.; per 1000 seeds, $4.00.

Write for quotations on Early Forcing Bulbs.

JOHNSON & STOKES, Seedsmen, 217 & 219 Market St., PHILA., PA.

Mention the Florists' Exchange when writing.



Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Cincinnati, O., President; F. W. BOLGIANO, First Vice-President; S. G. COURTEEN, Milwaukee, Wis., Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

St. Paul.—Recent rains have brightened seed prospects in this section and raised the estimates quite materially. Onion sets have suffered with everything else, but will be a fair crop. Beans look very promising, with propects for a full average crop. Sweet corn will be an average yield. Potatoes are booming, and will give more than an average yield. L. L. May and family are now at their Summer home at Mayfield Farm, 16 miles south-east of the city. Recent callers were H. W. Buckbee, Rockford, Ill. A. Ringier, representing W. W. Barnard & Co., Chicago, Ill. The demand for milled and fodder corn continues. Farmers are still sowing these, to take the place of the hay crop destroyed by the drought. S. B. Beal, who has been traveling for L. L. May & Co. for many years, met with a serious accident at Longview, Texas, a few weeks since. In boarding a moving train he missed his footing and sustained the loss of two toes.

H. Cheeseman is now representing L. L. May & Co., in the East. VERITAS.

Bay City, Mich.—It is expected that the Hammond Seed Company will erect a new warehouse in South Bay City, to replace the one recently destroyed by fire.

As a producer of flaxseed, the United States ranks second among the nations of the world, this notwithstanding the fact that its production to any degree of importance does not at present extend beyond the eight States, Minnesota, North Dakota, South Dakota, Iowa, Missouri, Nebraska, Wisconsin, and Kansas.

Import and Export Statistics.

The following exports and imports of plants, shrubs and seeds, etc., are for the month of May, 1900.

The dutiable imports of plants, shrubs, and vines amounted to $52,304 in May, 1900, against $32,438 in May, 1899. The free imports of seeds amounted in May, 1900, to $45,170, against $41,282 for May, 1899. The dutiable imports of seed amounted to $59,662 for May, 1900, against $18,861 for May, 1899.

The exports of seeds to other countries amounted to $75,982 in May, 1900, as compared with $89,331 in May, 1899. The countries to which the United States exported seeds were, the United Kingdom, which received shipments to the value of $11,473 in May, 1900, against $20,539 in May, 1899. Shipments to France amounted to $6,513 in May, 1900, against $5 in May, 1899. Germany imported seeds from the United States to the value of $7,504 against $38,543 in May, 1899.

Other European countries imported seeds to the value of $631 in May, 1900, against $1,839 in May, 1899. British North America imported seeds to the value of $32,352 in May, 1900 against $19,755 in May, 1899. Exports of seeds to the Central American States and British Honduras amounted to $186 in May, 1900, against $1,139 in May, 1899. Mexico's imports of seeds from the United States amounted to $1,094 in May, 1900, against $302 in May, 1899.

British Australasia received from this country in May, 1900, seeds to the value of $13,782, against $4,534 in May, 1899.

European Notes.

Conditions ruling at present are, in general, not favorable to our crop prospects. In the most important district in France no rain has fallen since Whitsunday. In Germany and England there has been a plentiful supply, but growers fear that for too many things it has come too late. Vermin and disease abound, but the conditions are peculiarly favorable for their development.

EUROPEAN SEEDS.

CATALOGUES RECEIVED.

JAMES VICK'S SONS, Rochester, N. Y.—Wholesale Price List of Fall Bulbs.

ELLWANGER & BARRY, Rochester, N. Y.—Catalogue of Pot-grown Strawberries for Summer Planting.

HULSEBOSCH BROS., Englewood, N. J.—Wholesale and Retail Catalogue of Dutch Bulbs and Plants. Illustrated.

SMITH & MENZEL, Aldgate, South Australia.—Descriptive Catalogue of Hardy Ornamental Trees and Shrubs; Herbaceous Plants, Flower Seeds, etc.

HENRY A. DREER, INC., Philadelphia.—Wholesale Price List of Palms, Ferns, Dracænas, etc. An invitation is extended to all delegates to the New York Convention of the S. A. F. to visit Riverton. This catalogue contains time tables and routing information.

New York.

The Market.

The heat has been something terrific in this city the past week, and business has been very much affected thereby, as also has the stock of flowers daily sent in. True there is not such a large quantity arriving at present, yet there is more than enough. Flowers of all kinds are coming in in very poor condition, owing to the extreme heat, and any that are not sold on the day of arrival might as well be thrown away, as they are practically worthless if kept over till the following day. Roses, of course, are in a worse condition than any of the other flowers; many seem to be half blown open when unpacked, and special blooms are not to be had, even if wanted. Very little attempt at grading is done. When sales are made it is usually by the box and low prices are the rule. Lily of the valley is in moderate supply, and the demand is only meagre; the price asked has gone away below that of one week ago, and $1 to $1.50 per 100 now rules.

With carnations and sweet peas, no change in values is noted, though the latter, in some colors, can hardly be given away, notably the pink varieties.

Gladiolus is more plentiful, and a decrease in price is the result; good spikes are to be had at $3 per 100.

Asters are also more abundant and of improved quality; from 4c. to 5c. per bunch of one dozen is being realized for them, and the pink and purple varieties are the best sellers.

Lilies of the longiflorum type are advancing in price; for real good blooms 6c. each has been received.

Dahlias, hollyhocks and coreopsis are also on the market, but the condition of business is such that no fixed values can be attached to any of this class of stock.

Smilax, asparagus and ferns are a drug, it being next to impossible to dispose of them, except in very small lots.

Among the retailers trade is quiet in general, and many employes are enjoying vacations. Alex. McConnell has been making extensive alterations in the front part of his store—enlarged windows and tiled bottoms are some of the new features.

Convention Matters.

The New York Florists' Club will meet at the usual place on Monday evening next, July 23, to perfect arrangements for the coming Convention of the S. A. F. Thanks to the efficient leadership of Mr. O'Mara, everything is running smoothly, and every member has work of some form or other allotted to him. This keeps all hands interested in the Convention, and the coming meeting of florists in this city will be one to be long remembered.

A list of hotels suitably located for the visitors will be published in the trade press in the next week's issues.

All the Club members' lady friends who wish to participate and help the Club in its efforts, by becoming members of the Ladies' Committee, are requested to communicate with W. F. Sheridan, chairman of the reception committee, as early as possible.

Jottings.

The first importation of Lilium Harrisii arrived at this port last Saturday.

S. J. Limprecht is so far recovered as to be at business again.

Frank McMahon, Seabright, N. J., leaves this week for Europe on board the Kaiser Wilhelm der Grosse.

Philadelphia florists sent a bowling team to Hoboken this week to compete in the international bowling tournament. We believe this was the only team at the tournament composed of florists.

John Nash, of Moore, Hentz & Nash, is away on a vacation.

Myers Gottlieb will leave Saturday night to spend two weeks at the seashore.

James Coyle and Frank Sheehan have both entered the employ of W. Ghormley.

There are only seven teams entered so far in the bowling tournament to be held here in conjunction with the S. A. F. meeting. Many beautiful prizes are offered, and every club having bowlers should make an effort to send a team and notify Secretary Chas. Schenck of their intention as soon as possible. The teams already entered are Milwaukee, Buffalo, Detroit, Cleveland, Philadelphia, Flatbush and New York.

It is expected that New York will have a team at the shooting contest. Ernst G. Asmus is captain, to whom gun experts should send in their names, if inclined to join.

T. J. Lang is back from Atlantic City, where he has been rusticating some time.

J. P. Cleary, manager of the Trade Exhibit, is pushing his inquiries among the trade, and space is being taken quite satisfactorily, insuring a monster exhibit.

C. B. Weatbered, John Young and others have spared no pains on the souvenir book. The matter is now all in the publisher's hands and when issued it will be found a work of art that every recipient thereof will be proud of.

S. S. Pennock, of Philadelphia, was in town this week.

R. Clucas, of Clucas & Boddington, arrived Thursday from Europe on the S. S. Germanic.

POTTED STRAWBERRY PLANTS IN 2 INCH POTS.

Ready July 20th. Send for Prices and List.

ROSES, Bride, Bridesmaid, American Beauty, and fifty other varieties. See list in issue of June 23. Also CLEMATIS PANICULATA and HONEYSUCKLES in 4 inch pots.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Mention the Florists' Exchange when writing.

CALIFORNIAN SEEDS

Contract Prices for 1900 Harvest on Application.

WHOLESALE ONLY.

PERRY WATSON & CO., Sacramento, Cal.

Mention the Florists' Exchange when writing.

EVERY GROWER . . . . . COMMISSION DEALER RETAILER, EVERYBODY SHOULD HAVE ONE OF

Arnold's Telegraph Codes

COMPILED EXPRESSLY FOR THE TRADE.

Its use will save its cost several times over inside of one year. Every live man must eventually subscribe for a copy, then why not order one now? Sample sheets free on application.

PRICE, $2.50.

The Florists' Exchange, 2 DUANE ST. New York.

R. VAN DER SCHOOT & SON,

Wholesale Bulb Growers,

HILLEGOM, - - HOLLAND.

Our bulb stocks, now covering an area of over 150 acres, are by far the largest in Holland.

Established 1830.

Mention the Florists' Exchange when writing

New Early Blooming **GIANT COSMOS**

Superb Mixed, $1.50 per Oz.

This Grand Cosmos commenced blooming **Early in June,** and is in its glory at this date—July 1st.

Orders Taken for Sept. Delivery.

MRS. THEODOSIA B. SHEPHERD,

Ventura-by-the-Sea, Cal.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR JAPANESE

FERN BALLS

Many thousand sold last season. Now is the time to place importation orders. Write for special prices for December delivery.

JAMES VICK'S SONS,

ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

PLANT CULTURE Hitherto advertised as COMMERCIAL PLANTS, **is now ready for delivery.** A two hundred page book, of inestimable value to all, for only **$1.00.**

A. T. DE LA MARE PTG. & PUB. CO., Ltd.
P. O. Box 1697, New York.

=FRESH 1900=

KENTIA SEED

Due this month from Australia, the fresh 1900 crop Kentia Seed. It is obvious that this seed coming in at once after ripening will give **highest germination** and best results. We book up to July 30th at special prices: 100 seeds, **$4.00** per 100; 5,000 to 10,000 seeds, **$3.50** per 1000; 25,000 to 50,000 seeds, **$3.00** per 1000. Either Belmoreana or Forsteriana. We furnish sample dozen at 10c., postpaid; 100 seeds at 65c., postpaid.

ORDER QUICK.

FREESIAS, ready now for delivery. **HARRISII,** due 25th to 30th.

SEEDS TO BE SOWN NOW.

PRIMULA SEED EUROPEAN Prize Strains. Largest flowers, brilliant coloring. 100 1000
Very choicest mixed..... .....20c. $1.50
Kermesina Splendens, the richest red..20c. 1.50
Alba Magnifica, the very best white.....20c. 1.50
Atrosanguinea, blood red.....20c. 1.50
Cærulea, beautiful "TRUE BLUE".....20c. 1.50
Double Primula, mixed 75c. 5.00

CINERARIA Giant Flowering, Choicest Mixed, medium tall, packet, about 500 seeds, 25c.; 5 pkts, $1.00

Cinerraria Dwarf, extra giant flowering, pkt., about 500 sds., 25c. " 1.00

Calceolaria, Giant, per packet, 25 cts.
" Rugosa, shrubby, packet, 25 cts.

CYCLAMEN GIGANTEUM Fresh crop pure white, white with red eye, brilliant crimson, Rose of Marienthal; 100 seeds, 75c.; 1000 seeds, $5; Mixed, 100, 60c.; 1,00, $4.50.

PANSIES Our Giant Exhibition Strains, in separate colors, 1000 seeds, 25c.; 5000 seeds, $1. **Trimardeau, Bugnot, Odier, Cuasier,** 1000 seeds, 25c.; 500 seeds, $1.00.

NOW READY:—Our complete New Catalogue for Summer and Fall Bulbs, etc. We will be pleased to send estimates on your wants in Bulbs, Azaleas, Spiræas, etc., for Fall deliveries. ADDRESS

H. H. BERGER & CO. (ESTABLISHED 1878), **47 Barclay Street, New York.**

Mention the Florists' Exchange when writing.

MANETTI. Suitable for grafting. Secure it now and save disappointment.

HIRAM T. JONES, Elizabeth County Nurseries, Elizabeth, N. J.

Mention the Florists' Exchange when writing

EDWARD B. JACKSON,
Wholesale Florist.
Hardy Herbaceous Plants Only
In any quantity for the least money.
STAMFORD, CONN.
Mention the Florists' Exchange when writing.

EVERGREEN!
An IMMENSE STOCK of both large and small sized Evergreen Trees, in great variety. Also Evergreen Shrubs.
CORRESPONDENCE SOLICITED.
THE W. H. MOON CO., Morrisville, Pa.
Mention the Florists' Exchange when writing

THE PINEHURST NURSERIES,
OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.
Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda nitida, Fothergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Dionæa muscipula, Lupinus diffusus, Phlox subulata, Sarracenias, etc., etc. Ask for Trade Lists.
Mention the Florists' Exchange when writing.

Yucca Filamentosa
Fine, large plants, $10.00 per 100.
SAMUEL C. MOON, Morrisville, Pa.
BUCKS CO.
Mention the Florists' Exchange when writing.

P. OUWERKERK
1123 Summit Ave., Jersey City, N. J.
Just received from our Holland Nurseries
RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM,
PÆONIES, BLEEDING HEART,
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.
PRICES MODERATE.
Mention the Florists' Exchange when writing

FOR FALL DELIVERY.
FIELD-GROWN ROSES, CLEMATIS, ORNAMENTAL SHRUBS, TWINING PLANTS, Etc.
Our representative, J. Austin Shaw, will be in Omaha, Kansas City and St. Louis this week, and letters will find him, care General Delivery, St. Louis, Mo., until July 2d.
JACKSON & PERKINS CO., Newark, New York.
Mention the Florists' Exchange when writing.

SURPLUS FOR SPRING 1900
Can yet do PEACHES and JAPAN PLUMS in limited quantity; also MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY STRAWBERRIES from best leading varieties.
Prices for same given upon application.
MILFORD NURSERIES, Milford, Del.
ALEX PULLEN, PROPRIETOR.
Mention the Florists' Exchange when writing.

FRUIT and ORNAMENTAL TREES,
Shrubs, Vines and Roses
Write for price list or send your lists of wants for special prices.
W. & T. SMITH CO., Geneva, N. Y.
Mention the Florists' Exchange when writing

500,000 CELERY!
Strong, stocky, field-grown plants that will give satisfaction. 6 leading varieties (extra selected stocky plants, $1.50 per 1000; 1 asplun ed plants, $2 per 1000.
1000 Scevia, Dwarf, growing 20 to 24 inches high, will make 14 gc clumps till Fall; fine bushy plants mostly 3 in. pots 8 to 18 shoots, only $3 per 100.
1500 Marie Louise Violets, extra strong, healthy plants, out of 2½ in., $4.50 per 100; $20 per 1000. This is exceptionally fine stock. Cash, please.
WM. S. HERZOG, Morris Plains, N. J.
Mention the Florists' Exchange when writing.

CELERY
Fine, stocky plants, transplanted.
WHITE PLUME, GOLDEN SELF BLANCHING, BOSTON MARKET.
10c. per 100; $3.50 per 1000.
E. B. JENNINGS, Southport, Conn.
Mention the Florists' Exchange when writing.

CRIMSON CLOVER SEED, growers prices.
CELERY PLANTS only $1.00 per 1000.
CABBAGE and Potted Strawberry Plants.
Circular free. SLAYMAKER & SON, Dover, Del.
Mention the Florists' Exchange when writing.

F. & F. NURSERIES SPRINGFIELD, NEW JERSEY.
Wholesale Growers. TREES AND PLANTS In full assortment. Trade Catalogue Free.
Mention the Florists' Exchange when writing

ANDORRA NURSERIES
WILLIAM WARNER HARPER, Prop., Chestnut Hill, Philadelphia, Pa.
SPECIALTIES: Large Specimen Ornamental Trees. Large Hardy Rhododendrons and Azaleas.
Mention the Florists' Exchange when writing

TREES Fruit Trees, Small Fruits, including grapes. Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.
ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. Rochester, N. Y.
Mention the Florists' Exchange when writing.

THE STORRS & HARRISON CO., Painesville, Ohio
Desire to call the attention of Florists and Nurserymen to their 40 acres of HARDY ROSES, their complete assortment of FRUIT and ORNAMENTAL TREES and SHRUBS, and their 44 Greenhouses of ROSES, PALMS, FICUS, FERNS, ETC.
Correspondence and personal inspection solicited. Trade List and Catalogues free
Mention the Florists' Exchange when writing.



(143) **Packing Hardy Ferns.**—To keep ferns for Winter use very little in the way of packing is required. Pick them late in the Fall, at a time when they are thoroughly dry, and lay them flat in boxes, which should not be more than 1½ feet deep. Then place the boxes in a cold, dark cellar, or in cold storage, and the ferns will keep for months.

(144) **Hollyhocks.**—Will pot-grown plants of Chater's double hollyhocks sell to the trade for enough more than field-grown plants to pay for the work? At what price should 2½-inch hollyhocks, of above strain, sell in the Fall? Seed was sown last of June?—C. S. D.

—Hollyhocks being of such easy culture we do not think it would pay for the extra trouble to have them pot-grown. We can hardly advise as to what price 2½-inch plants would sell for. Hitherto, hollyhocks have sold in October at from $1 to $4 per 100, but, of course, they were not pot-grown. The only way to find out would be to get a limited number ready and advertise them at a fairly profitable price; then if they are a success, they could be grown more extensively another year.

(145) **Pæonies for Market.**—I wish to set out ½ acre of pæonies for buds for the city market. What are the four most saleable kinds? What distance should they be set apart, and what mode of culture is necessary?—J. S. L.

—The mode of culture for pæonies does not differ from that of any other herbaceous flowering plant. The land should be well enriched with good barnyard manure, and then either dug or ploughed well under. If ploughed it will also need to be well broken up afterward with the harrow. Planting should be done in rows, and the rows need not be more than 3½ feet apart. The distance for planting in the rows depends on whether the plantation is to be permanent or not. If only intended for one season, 2 feet apart will be sufficient, but if the plants are to remain two or more years, they should be 3 feet apart. Keeping them free from weeds and giving them an annual dressing with manure is all the care they need. There are so many good varieties now on the market that it will be better to consult the catalogues of the various firms who deal in these plants. We can safely recommend P. officinalis, however, as a good, early flowering red variety.

(146) **Stunted Chrysanthemum Plants.**—I send you some specimens of Ivory Chrysanthemum, very stunted in growth. I have had the same experience in the same part of a solid bed for the past three years, while in the balance of the house the plants grow all right. There are numerous young millipedes running around in the soil. Do they injure the roots; or can you say what is likely to be the matter? New soil (light) was added this year to a depth of five inches, and greenhouse glass shows no defect. Neither is there any subterranean obstruction of drainage. Plants were pinched back hard ten days after planting.—GROWER.

—I think the trouble must be due to some fungoid growth in the soil, which prevented the plants from making a good root growth. If your correspondent had removed all of the soil from that particular spot, instead of only to the depth of five inches, he would possibly have got rid of the trouble. If the other plants grew well, the temperature and soil seem to have been favorable, and the trouble must be due, as I said before, to some fungoid growth or some poisonous substance in the soil. The millipedes would not hurt the roots, and if they did, they would not confine themselves to this one spot in the bed; but their work would show, to a certain extent, all over. My theory is that the plants started and made roots in the new soil, but as they began to run down into the old stuff, they encountered the old injurious substance, whatever it may take the form of, with the same result. If the bed is cleaned out even to the drainage, and filled in with new material and soil, I think it will give good results all over. If the trouble still continues, your correspondent can say with Shakespeare that there are more things in heaven and earth (particularly earth) than he wots of. A stunted growth is always caused by a correspondingly stunted root action. This is the only conclusion I can arrive at after considerable thought on the matter.—IOWA.

(147) **Greenhouse Heating.**—Be good enough to say what horse-power horizontal tubular boiler will be sufficient to heat to 60° in zero weather, five houses of dimensions as per diagram, all well-built, tight, and comparatively new; double boards with interlining of paper?—B. G.

—Four of the houses are built "ridge-and-furrow," and are respectively 26 ft. 6 in., 14 ft. 8 in., 21 ft. and 25 ft. 8 in., measured over the ridge from plate to plate; the other house is 22 ft. 6 in., and stands by itself. Two of the houses have about 300 square feet of glass in their south walls. All of the houses are 100 feet long. The houses have about 13,200 square feet of glass, and can be heated by a 35-horse power boiler, although it might be better to put in two of 20-horse power each. One of the small boilers would answer in mild weather, and by having the valves so that either of them can be cut off in case of accident, it will make it possible to heat the houses with the other.—L. R. T.

(148) We have nine houses, 150 by 18 feet, with the ridge eight feet above the plates. They are heated by two boilers of 40 and 80 horse-power. The mains run from the boiler to houses Nos. 2 and 3, where they connect with a main running along the ends of the houses. The mains are all 4-inch except from houses 6 to 9 where it is only 3-inch. The system does not give good satisfaction. What can be done to improve it?—SUBSCRIBER.

—Without knowing definitely regarding the amount and arrangement of the radiation, it is not possible to say just what the trouble is, although it is evident that much of the difficulty would be corrected by increasing the size of the mains. For economical heating there should be at least 5,000 feet of radiating surface, and under low-pressure two 5-inch mains would be required. However, as the 80 horse-power, alone, can easily handle this amount of radiation, it will be well to have the main pipe so arranged that it can be used to furnish the heat in all except very severe weather. A 6-inch main would answer very well, but a 7-inch would be rather more satisfactory with low pressure. The 4-inch connection with the small boiler will answer all right, except that it would be well to be able to maintain the heat with this boiler, in case anything should happen to the other. Of course, it will be out of the question to keep it up to sixty degrees in severe weather, but if there is a 6-inch connection, the small boiler would be able to prevent the loss of the plants. The main pipe across the ends of the houses should be six-inch at houses 2, 3 and 4; five-inch at houses 5 and 6; four-inch to house 7; three and one-half inch to house 8; and two and one-half to houses 1 and 9.—L. R. T.

CELERY All leading varieties, extra stocky plants, at $1.50 per 1,00. Cabbage Plants, 5 varieties, fine plants, $1.00 per 100.
J. C. SCHMIDT, Bristol, Pa.
Mention the Florists' Exchange when writing.

CELERY PLANTS FOR SALE
PARIS GOLDEN.
Transplanted strong plants, 75 cts. per 100; $4.00 per 1000.
O. F. SEARLES, Lock Box 288, NASHUA, N. H.
Mention the Florists' Exchange when writing

Celery Plants Strong, transplanted plants, White Plume and Boston Market, $2.00 a 100; 25c. a 100.
Smilax, strong, 2 and 2½ inch, $1.00 a 100; $9.00 a 1000. Cash, please. Sample 10c.
R. KILBOURN, Clinton N. Y.
Mention the Florists' Exchange when writing.

The committee of the Rhode Island Horticultural Society, having in charge its exhibitions, met at Field's Point last week and considered plans for the Fall exhibition. After a full discussion of the outlook, and in view of the abandonment of the State fair, the committee unanimously decided to hold a three days' exhibition in September, and the usual chrysanthemum and fruit exhibition in November. The premium list will be out in a few days, and can then be had at the Secretary's office.

C. H. JOOSTEN, SPECIAL, CANE PLANT STAKES, 6 to 7 feet, per 1000, $6.00; per 250, $1.75.
KENTIA BELMOREANA SEED, per 1000, $4.50; per 3500, $14.00.
Catalogue of FALL BULBS and PLANTS on Application. 85 DEY STREET, NEW YORK.
Mention the Florists' Exchange when writing.

St. Paul.

Midsummer dullness is upon us, and the tide of trade is at low ebb. Still with funeral work, weddings, etc., and an occasional club dinner, there is some demand for florists' products and skill in decorating. Spring trade was one of the best on record, with a good demand and good prices for good stock. All bedding plants sold well, but geraniums were most in demand. With the improvement in varieties of these old-time favorites comes an increased call for them, and they will undoubtedly continue to be the most popular bedding plants for many years to come. Cannas also are growing rapidly in favor, and there are fully five times as many planted here as there were five years ago.

Renovating, repairing, rebuilding and replanting are the order of the day with the progressive growers. Roses are being planted, chrysanthemums are nearly all in, and preparations for housing carnations and violets are going forward. In my rounds I find Bride, Bridesmaid, Beauty and Meteor the leaders in roses, with some Perle, Sunset and Wootton. In the new varieties, Lady Dorothea and Liberty are being put out, as well as quite a few Golden Gate, which is gaining in favor with those who have grown it.

Our severe drought was broken July 2nd, since which time copious showers have relieved the parched condition, and all vegetation has taken on new life.

Jottings.

L. L. May & Co. are putting in solid beds in two of their houses—the first of the kind they have ever constructed.

R. C. Seeger is pushing work on his new range, which will soon be completed, and which will give him a glass area of between 20,000 and 25,000 square feet, all to be devoted to growing cut flowers.

The Warrendale Floral Co. are erecting one small house.

The Twin City Florists' picniced at Lake Park, on Lake Minnetonka, Friday, July 20. An enjoyable program was provided, including races, ball playing, etc., etc.

Gust. Monson, who was foreman for C. A. Smith Floral Co., Minneapolis, for several years, is erecting a range of houses near Lake Calhoun in that city.

L. Anderson, rose grower for L. L. May & Co., is now foreman for the C. A. Smith Floral Co. L. L. May & Co., had quite a unique and elaborate decoration recently for the Town and Country Club. The decoration consisted of a reproduction in miniature of the golf links of the club. It was planned and executed under the supervision of Carl Johnson.

J. Austin Shaw, was a recent visitor, representing Jackson & Perkins Co., of Newark, N. Y. Judging from his order book, his trip here must have been a very profitable one.

A recent call on Frank Berry, of Stillwater, found his houses in the best of condition after a very profitable Spring trade. He grows a general line of bedding plants and cut flowers, disposing of his products at home at retail. His Jubilee carnations and chrysanthemums are among the very best grown in this section. He has two ranges of houses, both kept in the best possible condition.

P. Holm has returned from rusticating in the country.

E. Nagel, of Minneapolis, is building an addition to his residence—another evidence of prosperity. VERITAS.

Toronto.

Business during the week has been of the Summer variety, with but little to cheer it up.

The 12th of July created some demand for rough flowers; and in the early part of the week considerable funeral work was done, but general business has been very flat.

Trade on Saturday afternoons is now very poor, and some of the boys down town would like to close their stores at 2 o'clock, but they are not all agreed on the matter; so while nearly every other business takes a half-holiday, the florists keep open with the ice cream and candy men. Those attending the St. Lawrence Market now generally leave for home by three o'clock, thereby showing the other fellows a good example.

The death of Harry Dale, following so close on that of Robert Murray, has made all those who knew them well feel very sad. T. M.



Buffalo or Bust.

Editor Florists' Exchange.

In looking over the EXCHANGE of the 14th, I find a few words from the racy Rawson of Elmira about the Convention for 1901. What he says is about correct—that the Buffalo show will be a great attraction, and many folk who, if they cannot go to the Convention and the Buffalo Exposition, will go to Buffalo and leave out the S. A. F. Convention. It worked that way in St. Louis, and history will repeat itself again; if we go West in 1901, let us go West; that is, either to St. Paul or Tacoma. The weather will be comfortable, and not like that experienced in Omaha—so fearful hot, and where even the water was not wet enough to quench thirst. The West is beyond Chicago, while Buffalo is as level as Chicago; she also has the cool Lake breezes, and display of decoration, if Scott lives, will be worth studying, and the folks know it. When it comes to the time to be going, and time and money are to be disposed of, the most of us will say, "I can't go to both places; guess we will take in Buffalo this year," and in attendance Chicago will be behind. Such is the deduction, and all good Chicagoans will want to see Buffalo and Brother Scott at his best.

BENJAMIN HAMMOND.

BOSTON FERNS
Now ready. $5.00 per 100.
H. L. CAMERON, No Cambridge, Mass.
Mention the Florists' Exchange when writing.

GODFREY ASCHMANN,
1012 Ontario St., Philadelphia, Pa.,
General Agent for the United States for the sale of products from
OMER VAN DEN PLAS, Horticulteur, Loochristy, les Gand, Belgium,
Offers a large stock of AZALEAS, RHODODENDRONS, ARAUCARIAS, PALMS, ETC., at lowest rates. Send for prices. All orders must be addressed to me only.
Mention the Florists' Exchange when writing.

ASPARAGUS Sprengeri, 2 in. pots, $4 per 100. Plumosus Nanus, 2 in. pots, $5 per 100.
Phœnix Canariensis, 4 inch, showing characterized leaf. $2.50 per doz.; $15 per 100.
Mixed Fern Spores, $1.00 per large package.
EMERSON C. McFADDEN,
U. S. Exotic Nurseries, - SHORT HILLS, N. J.
Mention the Florists' Exchange when writing.

JOSEPH HEACOCK,
WYNCOTE, PA.
GROWER OF
ARECA LUTESCENS,
KENTIA BELMOREANA,
and KENTIA FOSTERIANA.
Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis
The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.
Mine is the Genuine Stock.
FRED. C. BECKER, Cambridge, Mass.
1730 CAMBRIDGE ST.
Mention the Florists' Exchange when writing.

FINE PALMS.
Kentia Belmoreana and Forsteriana—
4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, from $2.50 upwards.
Phœnix reclinata, 4 in. pots, $20 per 100; 5 in. pots, $40 per 100; 6 in. pots, 35c. each; 7 in. pots, $1.25 each; specimen plants, $2.00 upwards.
Areca Lutescens, 3 in., $15 per 100; 4 in., $25 per 100.
Latania Borbonica, 4 in., $20 per 100.
JOHN BADER, Troy Hill, Allegheny, Pa.
L. D. TELEPHONE 872A.
Mention the Florists' Exchange when writing.

BOSTON FERN—A Specialty
L. H. FOSTER, 45 KING STREET, Dorchester, Mass.
Mention the Florists' Exchange when writing.



Send for Our List of
Kentias, Latanias, Ficus,
Asparagus, Dracænas, etc. Ask for our price list of Perpetuated Palms. Samples sent on request. Address
THE GEO. WITTBOLD CO., Chicago,
1708 N. Halsted Street.
Mention the Florists' Exchange when writing.

FERNS, ETC.
CHEAP FOR CASH.

	Inch pots	Price each	Per 10	Per 100
Adiantum Capillus Veneris,	2½	$0.04	$0.30	$2.50
" " "	3	.05	.45	4.00
A C.V. Imbricatum or Hardy Farleyense	3	.15	1.50	
" " "	4	.30	3.00	
Selaginella Emmeliana	2	.04	.30	2.50
" "	3	.06	.50	4.50
" "	4	.10	.10	8.00

For other varieties and sizes see wholesale list, from which 10 per cent. discount will be given on all orders accompanied with cash.
W. J. HESSER, Plattsmouth, Neb.
Mention the Florists' Exchange when writing.

BOSTON FERNS
N. Exaltata Bostoniensis.
Small plants, $5.00 per 100 or $40.00 per 1000; large plants, $6.00 to $50.00 per 100; taken from the bench.
—ALSO A FINE LOT OF—
Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 in. pots, $3.00 and $4.00 per doz.
Asparagus Plumosus, 2½ in. pots, $5.00 to $6.00 per 100; 3½ in. pots, $12.00 per 100.
Asparagus Sprengeri, 2½ in. pots, $5.00 to $6.00 per 100; 3½ in. pots, $12.00 per 100.
Araucaria Excelsa, $1.00 to $2.00 each.
Rubber Plants, $4.00 per doz.
Chinese Primroses, 2½ inch pots, $3.50 per 100.
WM. A. BOCK, No. Cambridge, Mass.
Unknown correspondents will send cash with orders. Connected with Telephone.
Mention the Florists' Exchange when writing.

ORCHIDS
Arrived in excellent condition Lælia Purpurata, L. Grandis Tenebrosa and Oncidium Varicosum Rogersii. Also Cattleya Percivaliana, C. Mossiæ, Lælia Anceps and L. Autumnalis.
CORRESPONDENCE SOLICITED.
LAGER & HURRELL, Summit, N. J.
Mention the Florists' Exchange when writing.

FERNS Our Specialty.

A Grand Stock of MAIDEN HAIR FERNS, in 4 in., ready for 5 in. pots.	100 $8.00	1000 $75.00
Full-grown plants, in 2½ in., ready for a shift	3.50	30.00
Fine lot of ASSORTED FERNS for Jardinieres, all the best varieties, in 2½ inch pots	4.00	35.00
Asparagus Sprengeri, 5 in. pots	15.00	
Gardenia Florida, strong, healthy plants, 5 in. pots	15.00	
Gardenia Florida, 2½ in. pots, extra strong	4.00	

Money returned if not satisfactory.
TERMS CASH OR C. O. D.
ANDERSON & CHRISTENSEN, SHORT HILLS, N. J.
Mention the Florists' Exchange when writing.

A Few Good Things You Want
KENTIA BELMOREANA and **FORSTERIANA,** 2½ in., 10c.; 3 in., 15c.; 4 in., 35c.; 5 in., 50c. each.
ARECA LUTESCENS, 3 in., 3 plants to pot, 15c.; 4 in., 25c. each. All cool grown, nice clean stock, and cannot be duplicated anywhere for the money.
ROSE BRIDESMAID, 3 in., $5.00 per 100.
SWORD FERN, Nephrolepis Cordata Compacta, 2½ in., $3.00 per 100.
SMILAX, 2 in., $2.00 per 100.
REX BEGONIA, finest varieties, 2½ in., $4.00; 3 in., $6.00 per 100.
GERANIUMS, double and single, Grant, Mme. Bruant, Mrs. E. G. Hill, Poitevine, Bonnat and S. A. Nutt, 3 in., $5.00 per 100.
CAMPBELL VIOLET and **VINCA VAR.,** 2½ in., $3.00 per 100.
Cash with order.
GEO. M. EMMANS, Newton, N. J.
Mention the Florists' Exchange when writing.

Adiantum Cuneatum
2½ in. pots, $1 per 100; 3½ in. pots, $6 per 100; 3½ in. pots, large plants, $10 per 100; selected plants, 3½ in. pots, $12 per 100.

Asparagus Sprengeri
2½ in. pots, $4 per 100; $35 per 1000.
3 in. pots, $5 per 100.

We also have a few hundred **ROSE PLANTS, Bridesmaids,** left yet, which we offer at $6 per 100.
EDW. J. TAYLOR, Southport, Conn.
Mention the Florists' Exchange when writing.

ASSORTED FERNS IN FLATS
Ready for potting, $2.00 per flat.
If you are in the market for FERNS, this is the most advantageous way to buy in a stock at a little cost. Each flat contains 110 clumps of small plants, which can be divided in 3 to 5 plants, according as you wish them.
BOSTON FERNS, ready for 3 in. pots, $6.00 per 100; ready for 4 in. pots, $15.00 per 100; for 5 and 6 in. pots, $20.00 and $25.00 per 100; extra fine plants, in 5 and 6 in. pots, now ready for a shift into pans or pots, $35.00 per 100; $4.50 per doz. This is exceptionally good value.
ASPARAGUS PLUMOSUS NANUS, 3 in. pots, extra fine, $8.00 per 100.
" **SPRENGERI,** 3 in. pots, $6.00 per 100.
KENTIA BELMOREANA, 2½ in. pots, $10.00 per 100; 4 in. pots, $40.00 per 100.
" " **FORSTERIANA,** 6-7 in. pots, $1.50, $1.75, $2.00, $2.50, $3.00, up to $5.00 each.
BOBBINK & ATKINS, Rutherford, N. J.
Mention the Florists' Exchange when writing.

WALTER RETZER & Co.
WHOLESALE
PALM GROWERS
2045-59 CLARENDON AVE. (N. Halsted St.) CHICAGO, ILL.
WRITE TO US FOR PRICES BEFORE BUYING ELSEWHERE.
Mention the Florists' Exchange when writing.

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These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

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No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

SITUATION wanted in general greenhouse, by young man of limited experience, willing to work. Address V. F., care Florists' Exchange.

YOUNG man, well up in nursery work, and experienced in all kinds of grafting, wants place; West preferred. S. B. R., 310 Clarkson Street, Brooklyn, N. Y.

SITUATION wanted by young man, good experience with roses, carnations, general bedding stock and decorative plants; capable to take charge of section. Address V. D., care Florists' Exchange.

SEEDSMAN—Good knowledge vegetable seeds, practical acquaintance with flowers, seeds and plants; can put energy and application into position offered him: correct references. V. J., care Florists' Exchange.

SITUATION wanted by young man, age 23; commercial or private place; nine years' experience in general routine of horticulture; fruit under glass; good budder and propagator; good references. Jos. Sokol, Box 225, Corona, L. I.

SITUATION wanted, private or commercial; life experience, florist, landscape, etc.; successfully in business several years; has all utensils, pots, and some stock; charge or foreman; run good place on shares or rent; A1 references; married; small family. Joseph Braun, Englewood, N. J.

SITUATION wanted by a practical grower. I am open for general greenhouse work and not afraid to work. I have best of references on hand, and I am still to work. I am single, 27 years of age, and sober. Starting salary, $18 per month. Address Charles Degreve, care Monticello Greenhouse Co., Monticello, N. Y.

HELP WANTED.

WANTED—Florist clerk and designer; some knowledge of plants and seeds required; wages $12.00 per week. Apply in person. John Reck, Bridgeport, Conn.

WANTED—A young man who thoroughly understands the growing of carnations, chrysanthemums, and forcing of bulbs; German preferred. R. Asmus, New Durham, N. J.

WANTED Floral Designer and Decorator used to retail store trade. Good salesman, sober and industrious. Position permanent to right party. Wages $15.00 per week to start. Address, with references, age, experience and full particulars, J. A. Peterson, 405 Race St., Cincinnati, Ohio.

WANTED—A first-class plantsman; must be well posted on ferns, cyclamen, primulas and begonias, and a good propagator of general bedding plants; good reference required; state wages expected; a single man preferred. Apply to Wm. Nicholson, Pleasant Hill Conservatories, Framingham, Mass.

MISCELLANEOUS WANTS.

WANTED 3000 ft. of 10x12 glass, double thick, state price. George I. Laird, 3014 Fulton St., Brooklyn, N. Y.

WANTED—A first-class budder wishes to secure a lot of peach trees to bud this season; many years' experience; can give references. Address Melville Pullen, care Jas. McColgan & Co., Atlantic Highlands, N. J.

WANTED to buy, any good hardy herbaceous plants, new fruits, Logan berry, blackberries, etc., etc., in fact anything that is worth offering, that we have not on this side of the water. Collection of 2000 varieties perennials—descriptive catalogue free on application. Perry's Hardy Plant Farm, Wivelsmore Hill, London, N., England.

MISCELLANEOUS WANTS.

WANTED—PRICES ON CROCKER, Genevieve Lord and White Cloud Carnation plants, for Sept. 1st delivery. Will pay spot cash. Chas. P. Gulick, Riverside Greenhouses, Kingston, N. J.

WANTED TO RENT AT ONCE—greenhouse plant of about 10,000 sq. ft., suitable for carnations and miscellaneous stock; in good order throughout. Long Island, not exceeding 15 or 16 miles from New York City. Address Bolind, Hollis, L. I., Box 17.

BUSINESS OPPORTUNITIES.

AN old establishment for sale; good retail trade, 10 greenhouses, 15 lots of land, small dwelling house. T. Y., care Florists' Exchange.

FOR RENT.—Three greenhouses, each 140x20 ft., hot water heating, city water, dwelling and stable if required; 14 miles from New York; suitable for growing roses and carnations; first-class retail trade. V. H., care Florists' Exchange.

TO LET—Dwelling house of four rooms, with seven greenhouses and store; all stocked for cut flowers and pot plants. Stock for sale cheap; 15 minutes of New York City. Address Miss Lebailly, 80 Palisade Ave., West Hoboken, N. J.

FOR SALE—Place of 25,000 feet of land, ten miles out of Boston, with 72-foot greenhouse, a two-tenement house, stable, etc.; electrics pass door; three minutes from nearest R. R. station, five minutes from two others. For further particulars apply to F. J. Norton, 61 Mass. Ave., Boston.

FOR SALE—Half interest or whole of nursery, in thriving city in California. Owner having taken outside contracts, wishes partner with some experience to manage nursery; good opportunity for industrious young man with small capital. Address 2113-2121 Central Avenue Nursery, Los Angeles, Cal.

TO RENT—Six greenhouses of 6.00 feet of glass, in good order, heated with Hitchings Hot Water System; stock of 6000 carnations and 650 violets growing; one house of 750 'mums, 250 roses, 350 smilax; also a good miscellaneous stock of palms, ferns, etc.; less than 20 miles from New York, 3 minutes from depot; good retail trade; reasonable. V. K., care Florists' Exchange.

IF YOU WISH a good (six years' established) florists' business, you can find it at the Elm Street Greenhouses, located on trolley line, one mile from Ansonia, Conn. Six houses heated by two Hitchings boilers (capable of heating two more houses); watered by never-failing spring on place; dwelling house, barn, 4 acres of land. A good chance for hustler. Death of proprietor reason for selling. For particulars, address Mrs. L. G. Schlottman, Elm Street Greenhouses, Ansonia, Conn.

FOR SALE—Mushroom plant, 8 miles from New York; fine place of 20 lots with privilege of 30 lots additional; four fine cellars in good working order, chicken houses to accommodate 500 fowl; fruit of all kinds; near two cemeteries; ideal place for florist, small fruit grower, or for incubator plant; rich soil; convenient to trains and trolley; 10c. fare to New York. 7 room brick house and small frame house, large barn, fine water, electric lights, good roads. A bargain to quick buyer. T. K., care Florists' Exchange.

MISCELLANEOUS.

FOR SALE—2000 feet, 1¼ pipe; 10x12 glass; lot of flower pots; cash bars; steam pump. H. S. Roop, Westminster, Md.

FOR SALE, some extra good second-hand 3-inch pipe, at 8c. per foot; also some 4-inch; secure it while it lasts. W. H. Salter, Rochester, N. Y.

FOR SALE—14,000 feet of glass, used mostly for roses, 4 acres of ground and 2 dwelling houses; 3 minutes from station, city improvements, hot and cold water, and good forcing water in greenhouses supplied by Summit Water Co. On account of illness with rheumatism, will sell whole or part interest. A. Harth, Milburn, N. J.

MISCELLANEOUS.

FOR SALE—Cheap: 220 feet 4 inch pipe; one No. 3 Scollay Hot Water Heater; lot of hot bed sash, all in good order. Call or address, J. H. Mackey, Port Washington, L. I.

FOR SALE—One Hitching No. 15 and one No. 3 Hot Water Boilers, in A1 condition; also a quantity of 3 and 3½ in. wrought iron pipe; cheap for cash. L. C. Holton, 321 School St., Bennington, Vt.

FOR SALE—Private residence, suitably located for florist; house, 10 rooms; lot, 80x215 near cemetery; Hitchings' heater in house; at a sacrifice, owing to death in family; no agents. Will T. Danes, Patchogue, L. I.

FOR SALE At a bargain—One locomotive boiler 20 horse power, portable, 4 inch outlets, in first-class condition. Will heat 6000 to 8000 feet of glass. One hot air pumping engine, improved Ericsson, as good as new, 8 inch cylinder, run by coal oil; 50 greenhouse sash, 10x3½ feet, 6x8 glass; 1000 feet of 1¼ inch black pipe. Will be sold cheap for cash. P. M. De Witt, Bridgewater, Bucks Co., Pa.

FOR GREENHOUSE, HOT WATER heating, 1000 ft. of 3 in. boiler flues, 20 ft. lengths, 4 cts. per ft.; 70 boxes glass, 10x14 D, $2.60 per box; coil boiler, new, of 2 in. heavy pipe, $20.00; will heat house 20x70. G. H. Benedict, Yorkville, N. Y.

CELERY PLANTS In five leading varieties, strong, stocky plants, ready to plant out, at $2.00 per 1000; $15 00 per 10,000.

FLAT DUTCH CABBAGE $1.00 per 1000; $8.00 per 10,000.

GUSTAV PITZONKA, - Bristol, Pa.

SMILAX 2½ inch pots, strong plants, $1.50 per 100; $12.00 per 1000.

BOSTON FERNS $10.00, $15.00 and $20.00 per 100.

GOOD VALUE. CASH WITH ORDER.

J. W. HOWARD, 330 Broadway, Somerville, Mass.

Mention the Florists' Exchange when writing

SMILAX

From 2¼ in. pots, $2.00 per 100; $18.00 per 1000

VIOLETS Marie Louise, $2.00 per 100.

CASH WITH ORDER, PLEASE.

B. H. TROWBRIDGE, Fishkill Village, N. Y.

MOUNT HONNES CONSERVATORIES.

Mention the Florists' Exchange when writing

100,000 SMILAX

Extra fine strong plants, out of frames, at $2.50 per 1000; $1.50 per 500, by express; by mail, 40 cts. per 100.

ASTER PLANTS.

Semple's, Truffaut's, Queen of the Market, fine, stocky plants, at $2.00 per 100.

GUSTAV PITZONKA, - Bristol, Pa.

Mention the Florists' Exchange when writing.

ASSORTED FERNS $10.00 per 1000.

BOSTON FERNS $5.00 per 100; $40.00 per 1000. Larger plants, $10.00, $20.00 and $50.00 per 100.

ARECA LUTESCENS Extra large plants, from $1.50 to $4.00 each.

KENTIA BELMOREANA Ready for pots, $2.00 per 100; $18.00 per 1000.

PANDANUS VEITCHII 2 inch pots, $6.00 per 100.

PANDANUS UTILIS Fine, large plants, in 8 inch pots, $2.00 each.

JOHN SCOTT, Keap Street Greenhouses, Brooklyn, N. Y.

TELEPHONE, NO. 1207 WILLIAMSBURGH. Mention this paper.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.

FOR SALE—THIRTEEN (13) GREENHOUSES situated in the City of Allegheny, Pa., containing twenty-three thousand (23,000) square feet of glass; all steam heated and in good running order. Will sell houses at low price and lease dwelling and land, or will sell entire plant; possession immediately. Address J. M. REEVES, Warren, Ohio.

Mention the Florists' Exchange when writing.



Chicago.—Foregoing are the scores for July 13:

	1	2	3	4
Asmus	189	185	178	180
Winterson	151	128	169	...
Wilson	152	117	168	...
Kreitling	166	118	137	...
Grant	157	125	...	...
Degnan	152	152	140	...
F. Stollery	148	155	112	...
Hauswirth	109	139	118	...
Balluff	131	152	178	150

In the match game between Asmus and Degnan, the latter is still ahead 12 pins with two games to play. The balance of the series of 15 games will be played on Anson's alleys.

Boston.—The attendance at the alleys Monday evening was very good, considering the excessively hot weather; and some fairly high scores were made. George A. Sutherland did the best work, having highest average, and F. J. Norton had high single string. The Edmund M. Wood Trophy was on exhibition. It is a very handsome piece of workmanship. The order for inscribing Boston's name on it has not yet been given, but, it is understood, it soon will be. The scores follow:

	1	2	3	4
F. J. Norton	127	105	176	111
L. Cotter	90	116	120	130
W. J. Stewart	112	87	152	...
Chas. Ingram	122	156	117	113
Wm. Love	116	122	159	131
J. B. Minton	82	73	114	103
Jas Rough	111	98	148	103
Geo. A. Sutherland	122	167	151	148
W. J. Martin	115	113	130	124
W Ewell	71	121	121	...

New York.—On Monday night last, there were but five members in attendance at the alleys. The scores made were as follows:

	1	2	3
P. O'Mara	188	133	165
J. A. Manda	145	134	138
A. S. Burns	148	97	110
J. Thielmann	168	181	136
T. Roehrs	124	1 9	157

St. Louis.—The following scores were rolled July 16th:

	1	2	3	4
C. A. Koehn	138	165	131	171
J. J. Beneke	145	145	136	112
F. C. Weber	139	121	129	133
W. Adles	126	210	142	171
C. C. Sanders	157	177	127	132
John Young	—	119	133	99

The largest trade exhibition, the greatest horticultural exhibition, the biggest S. A. F. attendance—three in one; that's what the New York Florist's Club is preparing for.

PLANT CULTURE Hitherto advertised as COMMERCIAL PLANTS. will be ready for delivery July 18, 1900. A two hundred page book, of inestimable value to all, for only $1.00.

A. T. DE LA MARE PTG. & PUB. CO., Ltd.
P. O. Box 1697, New York.

Asparagus Plumosus Nanus

Transplanted seedling plants, for July and August delivery, ready for 2½ inch pots, at $3.00 per 100; $25.00 per 1000; 500 at thousand rates. Express prepaid.

Cash with Order, Please.

R. ASMUS, - New Durham, N. J.

Mention the Florists' Exchange when writing.

SURPLUS STOCK OF

3000 Violet Plants

In 2 and 2½ inch pots, fine condition. Will sell for $2.50 and $3.00 per 100. Special price for the lot. Samples 10c

VIOLET CLIFF GREENHOUSES,
WASHINGTONVILLE, NEW YORK.

Mention the Florists' Exchange when writing.

Sweet Peas in America.

Extracts from Paper read by Rev. W. T. Hutchins, of Indian Orchard, Mass., on Occasion of Sweet Pea Bicentenary Celebration, at London, July 20-21.

It would be about the same thing if my subject were, "A Decade of Sweet Peas," for this flower hardly attracted attention in America till this last decade of the century came in. And to tell of the wave of interest that has swept over the land since this flower was regenerated would put your credence to a sore test. Of course the old-fashioned "Painted Lady" sweet peas is still remembered in old gardens, and as many as a dozen sorts were found in the Massachusetts Horticultural Society's exhibitions twenty years and more ago. My soul was kindled at that time by a magnificent row grown by a well-known Boston man, at one time Mayor of Newton. Twelve years ago I had begun to get together a collection of varieties, and when I had nineteen distinct sorts the fact was worth publishing. About that time I began to notice Mr. Eckford's name in Farquhar's catalogue, and in a sort of timid foot-note, and about the most modest thing I ever saw in a seedman's catalogue, they intimated that they could supply, but did not feel warranted in recommending, the latest sealed packets of the Eckford introductions. The sensations I felt in those days as I succeeded, one by one, in getting the named sorts into bloom, are still vivid. In those days Scarlet Invincible and Butterfly and Adonis, and Crown Princess of Prussia and Princess Beatrice were treasures indeed. The first vision I had of Mr. Eckford's work was in Boreatton, and Splendor, and then came Orange Prince and Countess of Radnor. I exhibited the first that had been seen in Boston of these last colors. There was no longer any skepticism in my mind about Mr. Eckford's achievement. I do not believe any flower yields more jealously to the hybridizer's art than the sweet pea. It was wonderful that Mr. Eckford got such colors, even after years of effort. And then we began to see his work in the hooded and grandiflora form that now characterizes nearly all the novelties.

The Eckford sets of 1892 and 1893 set the United States ablaze on sweet peas. California was just in time to prove that sweet pea seed could be grown in America, and to meet the enormous demand the seed houses jumped from a few pounds of stock to tons. A small florist would sell a hundred pounds, an ordinary seedsman two or three tons, and one jobber has had twenty-five tons in stock in a season. Ten years ago a Boston seedsman declared to me that sweet pea seed could not be grown in America. Within four years of that time I visited California at the growers' invitations, and inspected the sweet pea fields of four growers, altogether not more than 350 acres. Sixty varieties were represented at that time, and vogued carefully to name and type.

Now the subject of sweet peas in America covers a wide range of data in the matter of climate and local conditions for their successful culture. We have every possible kind of soil, every degree of altitude, a wide variance of season. Sweet peas are grown in every State of the Union. They are planted all the way along from November to June, from the semi-tropical belt of Gulf States to the Canadian latitude. For 3,000 miles, from the Atlantic to the Pacific, almost every garden has in the last decade had its row of sweet peas. And even when people have had ill luck in trying to grow them, they still try and try again, for of all flowers they think they must have sweet peas. The American seed trade handles somewhere from 125 to 150 tons of seed of this one flower. I suppose that at this moment there are as many sweet peas in bloom in America as at any time during the last decade. We have such a diversified territory that there are always localities where people are making a fine showing on this flower, and plenty of new localities where the interest in them is in its first flush. Previous to this last decade they would grow as thriftily as weeds in our gardens, but since they have been so highly developed they demand virgin soil or something approximate thereto. We do not get so strong a fibrous root as we used to, and hence our season of bloom is a good deal shortened. But every year shows the market full of them, and for July and August they are our leading flower.

It has taken rank as an exhibition flower. In several cities our sweet pea shows have for some time been an annual event. We are still competing for an Eckford cup at Springfield, Mass. The cup was taken last year by a gentleman who sent his flowers 300 miles from Western New York. He sent magnificent bunches of the complete set of Eckford's latest introductions, and, as nearly as I could figure, it cost him about $10 per bunch to grow and transport and table them at our show. But the whole town where he lived celebrated the event of his winning the cup, for the whole town has had a sweet pea craze for three years. That is Cohocton, N. Y. It is a sample of a locality where this flower does splendidly, and where a local interest is kindled to a high pitch.

But let me say, you who know only the moderate range of temperature which you have here in England, with its abundant moisture, cannot realize what our gardens have to contend with in America. Our summer's work is often spoiled in a single day by a scalding sultriness, with the sun close on to 100 degrees in the shade. These extremes of temperature, often accompanied by drought, not only burn the finer shadings out of our blooms, but put a ruinous strain on the less thrifty root, which we now get. So exhaustingly does evaporation go on in our midsummer days that only by heroic fortitude can we follow up the battle, year after year. It is a joy to come over here, where your climate smiles upon the delicate shadings of Mr. Eckford's beautiful seedlings, but with us only the stronger colors hold. We have to translate your descriptions into a much narrower vocabulary of colors and markings. Still our enthusiasm for ten years has, I think, led the world on this flower. It is not to be expected that we can Americanize the results of Mr. Eckford's work in ten years. I look upon Mr. Eckford's work as a permanent legacy. As a rule, a new color once made on the sweet pea is forever a fast color. Even if we have temporary setbacks in America, we shall again and again revive this splendid annual in more and more acclimated form.

And now I take it, your committee desires me to speak of that very important branch of my subject, the growing of American sweet pea seed. It is not all grown in California, but the great bulk of it is. I believe there are but three main points in the production of good seed. First, conditions that will produce a strong, well-nourished plant and bring it steadily to full maturity. Second, conditions that will, at the best stage of the plant's strong growth, throw out promptly and ripen uniformly, just as much of a seed product as the plant can, at one normal effort, carry out. Third, conditions insuring good sunshine for uniformly ripening and harvesting the product. Now the seed ranches of California are located where the most wonderful virgin soil is found in abundance. It is of inexhaustible depth. Some of it is a heavy adobe soil, but in other places it graduates off into a quality that pulverizes well. It is a wonderfully rich deposit, often of great depth. The California year is pretty evenly divided between six months wet and six months that are rainless. But when the rains begin in the fall they begin to plant. The southern part of the State is semi-tropical, and north of that the winters are sufficiently mild, so that the sweet peas go on making root all winter. As far as possible they get their stocks in to catch these fall rains. Much of it comes into bloom in April, and May is a grand month to visit these immense seed ranches. I have seen thirty acres of one variety in bloom, but when you come to compare that with one block of onion seed a mile square, dimensions become dwarfed. I am sure that California soil makes a strong seed-producing plant. And the work done on sweet peas by these California growers is not only intelligent and conscientious, but enthusiastic. And their harvesting conditions would make English seedsmen hilarious. I am here to tell the simple truth. No storms ever beat their crops down, and just at the right stage they pull up those vines loaded with pods, and lay them upon great sheets in the sun, and that seed doesn't see a warehouse till it reaches the Eastern jobber.

If I am to be honest to-day, I ought to say that three things will occur to any observing man who visits the California growers and carefully examines their conditions and products. You are entitled to ask whether the method of planting in November and harvesting in July has a tendency to change the habits of the vine, whether a seed matured two months later would carry the vines in our gardens through midsummer better. I do not know. Then there is the question of whether seed produced under very stimulating conditions will hold up under the trying conditions which the amateur grower has in many localities. And then seed ripened under such a sunny sky sometimes makes a hard-baked shell that is tardy about swelling in the moist spring ground. But which would you rather do, harvest in rains or in a sure sunshine? Sum up the pro and con of California conditions. The conditions there are like everything else Californian. You can travel 900 miles in a straight line without crossing the boundaries of that State, and the Creator gave them conditions for seed-growing on the same grand scale, and I do not know where else the present enormous demand can be met. And I have not been able to find any seed that is better. The trouble is likely to be in other localities that vines will not mature so strong a product uniformly. I do not think you can pick pods from a growing vine and get as good a result as from seed that has matured uniformly and taken the whole strength of the plant at one time.

I was fearful once that Mr. Eckford's novelties would deteriorate under these wholesale conditions of growing seed, but I think the Eckford blood is improved by being transplanted to California, and it is the common opinion on our side that the American-grown seed is holding up the Eckford quality very well. But I do hope that specialists in this flower will multiply, for we need from various parts of the world that painstaking work that will do for this flower what is done for other flowers, to hold them up to the highest type.

Perhaps I ought to say a word about American novelties. I think our claim to American novelties is legitimate, and yet, of course, we owe it to Mr. Eckford that he has made it easy for us to get them. Where a grower has from 200 to 250 acres of this flower in bloom, and most of it has come from the Eckford stock, of course his eye is always out for any precious rogue that may appear. And he frequently finds them, and carefully saves every seed from such a plant. The Eckford sealed packets are likely to break at any time into the most remarkable seedlings. The California growers have in reserve, with quite an accumulation of stock, many beautiful things. I do not know how you can stop them. And then, too, if you now cross two of Mr. Eckford's fine sorts you get the result of that hybridized blood that breaks in all directions. The California growers have done some of this crossing successfully, but they do not need to do much, for the list is already overloaded. I know this, that they very sincerely want Mr. Eckford to hold the lead. We feel almost a sacred dependence on him. We should count it a calamity to have any other name but his hold the pre-eminent place.

Gentlemen, there is one debt that has troubled my conscience for three years. It was an event in my life when I formed the acquaintance of S. B. Dicks, of London; and after that I looked forward to his annual coming with eager anticipation. He was a walking encyclopedia. If I could only have him to fire questions at for five minutes I was happy for a year. You could not rely upon what the catalogues said about sweet peas, but I became an authority after Mr. Dicks answered my questions. It was largely by his help that I was able to go to California in 1894 and set the growers right in their names and types of the sixty varieties then known. One day, about four years ago, I met him and he said he was going to add something to the literature of the sweet pea. From that day to this no opportunity has offered itself to worthily tell him of the personal debt I felt toward him for that chapter on the history of this flower. If I were to name the salient points that should form the corona of this celebration, that historical chapter by Mr. Dicks would be one, and worthy to be put beside the splendid work of Mr. Eckford. His article, with valuable illustrations, appeared in the New York Florist Exchange and American Gardening in 1897. You have surely added luster to this occasion by giving him again the history of this flower.



Wood Bowling Trophy.
Presented By President Edmund M. Wood, S. A. F. O. H.

PRIMROSE PLANTS!

Fine stock, ready for shifting, $2 per 100.

W. B. WOODRUFF, Florist, Westfield, N. J.

Mention the Florists' Exchange when writing.

HELIOTROPE

2 inch, $2.00 per 100.

Merry Christmas 'Mums, 2 inch, $2.00 per 100.
Baby Primrose, $1.50 per 100.
Smilax, from flats, $1.00 per 100.
Geraniums, 4 inch, single Gen. Grant, $6.00 per 100.

CASH WITH ORDER.

WM. KEIR, - Pikesville, Md.

Mention the Florists' Exchange when writing.

J. E. FELTHOUSEN,

Rooted Cutting Specialist,

SCHENECTADY, N. Y.

Mention the Florists' Exchange when writing.

ALTERNANTHERAS

P. Major and A. Nana, 2 in pots, $1.50 per 100.

COLEUS.

Crimson Verschaffeltii and Golden Queen or Bedder, or mixed, 2 in. pots, $1.50 per 100.

Giant Sweet Alyssum and Variegated Alyssum, 2 inch pots, $1.50 per 100. Cash with order

C. A. HARRIS & CO., Delanson, N. Y.

Mention the Florists' Exchange when writing.

CINERARIAS

We grow an immense quantity of a superb strain. Transplanted in flats, $1.50 per 100, 400 for $5.00; 2½ in., $2.00 per 100, 300 for $5.00.

Chinese Primula, 2½ in., $2.00 per 100. **Cyclamen Persicum Giganteum.** 2½ in., $4.00 per 100; 3 in., $6.00 per 100.

WHITTON & SONS, Wholesale Florists.

City and Green Streets, - - UTICA, N. Y.

Mention the Florists' Exchange when writing.

DO YOU WANT ANY?

Hardy Ivies, 3 feet high, bushy plants, $3.00 per doz.

Chrysanthemums, good stock, from 4 in. and 5 in. pots, $10.00 per 100.

Assorted Geraniums, stock plants, at $10.00 per 100.

Selaginella, strong, 3½ in. pots, at $6.00 per 100.

Assortment Flowering Begonias, from 3 in. pots, at $4.00 per 100.

Geranium Mars, 1 year old plants, 5 in. pots, $3.00 per doz.

The Above is all Good, First-Class Stock.

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

ASTER PLANTS

Fine, stocky plants from the field.

Ostrich Feather, Queen of the Market, Semple's, Victoria, Vick's and Truffaut's Perfection, 35c. per 100; 500 for $1.00; $1.75 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

ALTERNANTHERA.

Red, per 100, $2.00; per 1000, $18.00.
Yellow, " 1.75; " " 15.00.

	Per 100
Verbenas, Mammoth, 2 in.	$1.00
Rudbeckia, Golden Glow, 2½ in.	2.00
Abutilon, Souv. de Bonn, 3 in.	2.50
Fuchsias, best mixed varieties, 3 in.	3.00
Petunias, Single, 3 in.	3.00
Cigar Plant, 3 in.	2.50
Coleus, Golden Bedder, 2 in.	2.00
Lantanas, Mixed, 3 in.	3.00

Satisfaction Guaranteed. Cash with Order.

GEO. L. MILLER, Newark, Ohio.

Mention the Florists' Exchange when writing

XXX STOCK

For Immediate Shipment.

Cyclamen Persicum Splendens Giganteum, finest strain in the world. Now ready to ship, a splendid stock of plants in 4 true colors, red, white, pink, and white with carmine eye, from 2½ in. pots, **$5.00 per 100; $40.00 per 1000;** 250 at the 1000 rate.

Cinerarias Hyb. Maxima Grandiflora and maxima grandiflora nana, strain superb in every way, from flats transplanted, **$1.75 per 100; $15.00 per 1000;** 250 at the 1000 rate.

Begonia Rex, Rooted Cuttings, in the 10 best market vars., mixed, **$1.50 per 100; assorted, $2.00 per 100.**

All Stock Guaranteed A No. 1.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

BEGONIA REX

Extra fine stock in good assortment, from 2¼ inch pots, ready for 4 inch, $6.00 per 100.

ASPARAGUS SPRENGERI and ASPARAGUS TENUISSIMUS.

Strong, from 2½ inch pots, $3.00 per 100.

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

ACALYPHA SANDERI

2½ inch, $8.00 per 100.

CRIMSON RAMBLER ROSES We will have a fine lot of field plants for winter forcing. Orders taken now

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

PLANTS AND ROOTED CUTTINGS

	Per 100
Asparagus—	
Plumosus, 2¼ in.	$5.00
Sprengeri, 2 in.	3.00
" 2¼ in.	4.00
Begonia, Rex, 2¼ in.	4.00
" " 3 in.	6.00
" " 3½ in.	8.00
Baby Primrose, 2¼ in.	4.00
Coleus, "Fancy," 2¼ in.	3.00
Cuphea (Cigar Plant) 3 in.	3.00
Cyperus (Umbrella Palm) 2¼ in.	4.00
Dracæna Ind., 3 in.	6.00
" " 5 in.	25.00
" " 6 in., extra	50.00

	Per 100
Fuchsia, 2¼ in.	$3.00
3 in.	4.00
Palm, Washingtonia Filifera, 2¼ in.	4.00
3 in.	6.00
Maurandya, 2¼ in.	2.00
Geraniums—	
Ivy, 3½ in.	4.00
S. A. Nutt, Dbl. Grant, La Favorite, Eliza, Gloire de France, etc., 2¼ in.	3.00
Happy Thought 2¼ in.	4.00
Dbl. New Life, 2¼ in.	6.00
Heliotrope, 2 in.	3.00

	Per 100
Heliotrope, 4 in.	$6.00
Hydrangea, pink and white 2¼ in.	5.00
Impatiens Sultani, 2¼ in.	3.00
Lemon Verbena, 2 in.	3.00
Pansy Plants	1.50
Var. Trailing Abutilon, 2¼ in.	4.00
Violets, Farquhar, 2¼ in.	2.50
" " 3 in.	3.50
Vinca, 2¼ in.	3.00
" 3 in.	5.00
" 4 in.	10.00
" 5 in.	15.00

Rooted Cuttings.

	Per 100
Anthemis Cor., Dbl. Yellow Marguerite	$1.50
Begonia Rex	2.00
Forget-Me-Not, (Winter-flowering)	2.00

	Per 100
Geraniums—	
Sweet, in variety	1.50
Named	1.50
Bronze, Silver Leaf	1.50

	Per 100
Geraniums—	
Happy Thought, Mrs. Pollock	2.00
Vinca, per 1000, $10.00;	1.25
Snow Crest Daisy	2.00

Write us for prices on 1000 lots. Terms, Cash or C. O. D.

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

BRIEFS FOR BUSY FLORISTS.

CYTISUS AND ACACIAS that were potted and placed outdoors must have regular attention with regard to watering, etc. After heavy growth has commenced, the plants will need to be trimmed in occasionally to keep them in proper shape; especially is this the case with the cytisus or, as most people call it, genista.

BULBS.—As the first consignments of bulbs—Harrisii lilies and Roman hyacinths arrive—get them into the soil without delay. Hyacinths do not cut much of a figure as cut flowers until winter has set in, therefore, there is no need to hurry them at all. Put the bulbs in flats, using any ordinary soil that is free from fresh manure. Put the flats outdoors, and after watering them thoroughly, cover with three or four inches of soil, and leave them there until they are wanted in the fall. The Harrisii bulbs can be forced into flower early if necessary, and, when brought in during November and December, they usually command a profitable price, either at wholesale or retail. Pot the bulbs when they arrive, using a good, rich soil; but the manure incorporated in the soil must be old and well rotted. After they are potted, they can either be put out of doors or under the benches in a greenhouse. In either case, they will need to have a light covering of straw or hay, which will keep them from drying out too rapidly, and also hold back the top growth until the roots have got well started. When the shoots begin to push through the covering, it will be necessary to place the plants on the bench in the greenhouse, where they will come along gradually; or, they can be forced at will by raising the temperature of the house in which they are growing.

MIGNONETTE.—This is the time to prepare for next winter's supply of mignonette, if the best results are to be had. Prepare a solid bed of well enriched soil, and, if it is inclined to be rather heavy or stiff, so much the better. When the bed is ready and made moderately firm, put a few seeds in at each place where it is intended the plants shall grow—15 inches apart each way is about the right distance. When the seedlings are large enough so that the strongest can be easily distinguished from the weaker ones, they should be then thinned out, leaving one plant only at each place. There is one other important feature about growing good mignonette, and that is, having good seed, and of a good variety; and to give the best satisfaction all round, it is better to get the seed from some specialist, who keeps his strain pure, and by constant selection and in-door cultivation improves it with each succeeding year.

FERNS.—There will be a big demand for small ferns suitable for pans and ferneries the coming winter, and we cannot do better than be preparing our stock now. Seedlings of many of the popular varieties can be purchased from those who make a business of fern growing, and there is no better way than buying them in the seedling stage and growing them on.

Such young stock can be planted in shallow boxes, where they will do better than if potted up right away, and, as they become crowded in the flats, it will be time enough to put them in 2 1-2 inch pots and they are then ready for any purpose required of them.

Cincinnati.

Market News.

We have nothing special to report regarding business. The usual summer dullness is with us, and vacations are now in order.

Thursday, July 12, the craft assembled at the residence of Mr. and Mrs. Gus Adrian in Clifton, for the purpose of holding the regular monthly meeting of the Florists' Society. Nineteen members were present. We also were favored with quite a goodly number of ladies, which always gives tone to any assembly. The meeting was called to order by President Murphy. Mr. Frank Ball, chairman of Committee on Annual Outing, reported progress, and said that everything was in readiness. A good time is assured to all who go. The date of this outing is Wednesday, July 25, at Mt. Lookout Park. Everybody is invited.

Mr. Brownstine, who represented the Fall Festival Association, was present for the purpose of inducing the florists to put a float into the trades' parade. The florists decided to comply with the request. There is a prize of $1,000 offered for the best float, and there is no reason why the florists should not win this premium. The size of the float is twenty-four feet long by eight feet wide. A committee was appointed, consisting of F. Brownstine, J. A. Peterson, Ben George, R. Witterstaetter and E. G. Gillett, to solicit subscriptions for the purpose of building the float. E. G. Gillett was appointed a committee of one to attend a meeting of the Fall Festival Committee and procure all needed information. This has been attended to. Visitor present, Charles W. Crouch of Knoxville, Tenn.

A vote of thanks was tendered Mr. and Mrs. Adrian for their kindness in entertaining the Society. After the meeting adjourned a sumptuous dinner was served and very much enjoyed. John Lodder of Hamilton, was also present, and invited the Society to hold one of its summer meetings at his home. The invitation was accepted, and we will go to Mr. Lodder's residence August 2. All who will attend this meeting must be at College Hill at 12:30 p. m., where a special car will be in waiting.

The next regular meeting will be held at the residence of Mr. and Mrs. J. A. Peterson, August 9, at 2:30 p. m. The September meeting will be held at the residence of Mr. and Mrs. J. Schuman, Newport, Ky., Thursday, September 6, which will end our summer meetings.

William M. Goodlow, of Paris, Ky., and S. S. Skidelsky were callers during the week.

A trip to some of the carnation growers shows that a good soaking rain is much needed, although the plants are looking very well. Ethel Crocker and America are taking the lead as growers. William Murphy's fields are well cultivated, and all the plants are in good shape.

Richard Witterstaetter is building another fine greenhouse.

Four or five will probably attend the New York meeting from this locality.

E. G. GILLETT.

Horticultural Exhibition at New York.

The Exhibition Committee of the New York Florists' Club, at a recent meeting, decided that the various medals and certificates and other awards to be made in connection with the Horticultural Exhibition, to be held at the Grand Central Palace, at the same date as the meeting of the S. A. F. O. H., have the following values attached to them in a scale of points to decide the winners of the two One Hundred Dollar cash prizes to be awarded at the said exhibition:

N. Y. Florists' Club Gold Medal	100 points.
Society of American Florists' Silver Medal	30 "
N. Y. Florists' Club Silver Medal	25 "
Society of American Florists' Bronze Medal	15 "
N. Y. Florists' Club Bronze Medal	12 "
Society of American Florists' Certificate	9 "
N. Y. Florists' Club Certificate	6 "
N. Y. Florists' Club Honorable Mention	3 "

The New York Florists' Club is preparing a rousing welcome to S. A. F. delegates. The New York Florists' Club is very thorough when it gets down to work, and it's working hard now.

GERANIUMS

Beaute Poitevine, Centaur, Countesse d' Harcourt, G. M. Gill, Gen. Grant, Grayville, La Favorite, Mme. Barney, Miss Kendell, Mme Bruant, Mme. Jaullo, M. Bruant, S. A. Nutt and other varieties, from 2½ inch pots, $2.00 per 100.

Smilax, 2½ in. pots, $1.25 per 100.

Lemon Verbena, Swainsona Alba and **Giant Double Alyssum,** 2½ in. pots, $2.00 per 100

CASH WITH ORDER.

R. VINCENT, JR. & SON, White Marsh, Md.

STOCK THAT WILL PLEASE

ROSES, Meteor, Bride and 'Maid, strong, 3½ in. pots, $4.00 per 100.
ASPIDISTRA, Green, $5.00 per 100.
" Variegated, $8.00 per 100.
SMILAX, strong, 2 in., $1.50 per 100.
JERUSALEM CHERRY, 2 in., $1.50 per 100.
FICUS, top cutting, fine, $18.00.

A. C. FEHR, Belleville, Ills.

Mention the Florists' Exchange when writing.

Chicago.

State of Trade.

There is not much change to report in either the condition of stock or the demand. Rains in this vicinity are still very seasonable, and, except in low ground, everything growing out-of-doors is in grand condition. In roses, as the new planted Beauty come in, the quality gets better. Bride and Bridesmaids as usual are the poorest, Kaiserin and Meteor being in best condition. Sweet peas are still plentiful; choice varieties with long stems, and well put up, bring 15c. per bunch; the bulk of the stock goes at 5c. to 10c. per 100. Gladioli are now sent in in large quantities.

With the retail men, funeral work is the best item; there is no let-up in flowers used for the bier in this city. The cheapness and abundance of sweet peas, certainly increase the quantity used to adorn the person, out on the streets.

Jottings.

Nick Wietor has just returned from a fishing trip. He and the foreman, Mr. Collins, will be with the Chicago contingent for the S. A. F. at New York in August.

Wieland & Reisch have begun building a grand new addition to their plant at South Evanston; it will cover 48,000 to 50,000 square feet of land.

Bassett & Washburn have commenced housing their carnations. This firm has also, well on the way, three more immense carnation houses, all detached and built in their usual perfect style.

The George Wittbold Co. is working up a fine stock of the new fern, Nephrolepis Wittboldii. It will be a great acquisition, and give the Boston fern a hard race.

The Chicago Contingent.

It is always problematical, until the last moment, to say exactly how many and who will take in a convention, but it is now an assured fact that Chicago will have a strong team of bowlers, with half a dozen spares in case of accident, all known to be good on the alley. As my list already has 44 names, including a dozen ladies, to say nothing of those yet to be heard from; there is the promise of the biggest turn-out that ever left this city on a similar errand. With those from west and north of us that the committees are struggling to get to join the party, I for one will be disappointed with less than half a hundred, in the contingent from this city.

The Chicago Florists' Club's committee, Messrs. Grant, Rudd and Kreitling, report to me to-day they have as yet been unable to secure a satisfactory concession, but are still at work, and hope to report definitely very shortly.

Round About.

W. N. Rudd will have all his carnations benched by the 1st of August; he began the work July 15, giving the plants a short course in open ground.

John Brod, whose greenhouses are at Niles Center, has brought out and will run as a retail florist's place the establishment of E. Kitzinger, 867 Milwaukee avenue.

Miss Lizzie Joho, is now bookkeeper for E. C. Amling. She was for a long time with T. J. Corbrey, McKellar & Winterson and others in a similar capacity, hence is familiar with the wholesale florists' business.

In my notes last week the types make me say Alex Neuberson, when it should have been Alex. Henderson, who has joined the benedicts. Ess.

Springfield, Mass.

The Hampden County Horticultural Society's sweet pea show comes on the 24th. It will be for one day only this year. The most attractive offer is the Eckford Silver Cup. Sweet peas generally are looking well, and it is hoped that the display will equal that of former years.

The florists' stores close Wednesday afternoons at one o'clock, during the Summer months, a move in the right direction. W. F. G.

IF YOU NEED ROSES
Send us your list for prices.
THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.
Mention the Florists' Exchange when writing.

2000 ROSES!
BRIDES and BRIDESMAIDS, fine and clean, out of 3 inch pots. For sale cheap, want of room.
HAGGERTY FLORAL CO., Poughkeepsie, N.Y.
Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS...
and Novelties in Decorative Plants.
Market and 49th Sts., PHILADELPHIA, PA.
Mention the Florists' Exchange when writing.

ROSE PLANTS
In 3 inch pots, price and strong.
BRIDESMAID, BRIDE and KAISERIN
$4.00 per 100; $35.00 per 1000.
MERCER FLORAL CO., Trenton, N. J.
CARL E. TAUBE, Proprietor.
Mention the Florists' Exchange when writing.

LOOK!
BRIDES, METEORS, KAISERINS and 'MAIDS, from 3 inch pots.
What will you give me for what you want? Large, strong healthy, clean plants
FERNS Fine line, including Adiantum, for planting out, $50.00 per 1000.
LA ROCHE, - Collingdale, Pa.
Mention the Florists' Exchange when writing.

ROSE PLANTS
Meteor, 3½ inch pots, per 100, $7.00; per 1000, $100.00.
Potted and repotted 4 times. These plants are vigorous and unusually fine. Packed to safely ship any distance.
BRANT & NOE, Forest Glen, Chicago, Ill.
Mention the Florists' Exchange when writing.

ROSES! ROSES!

			Per 100
2000	Golden Gate,	3 inch pots	$4.00
1000	Bridesmaid,	3 "	3.00
1000	Bride,	3 "	3.00
1000	Meteor,	3 "	4.00
1000	Smilax,	3 "	2.50

The above is clean and very strong plants.
J. D. BRENNEMAN, Box 24, Harrisburg, Pa.
Mention the Florists' Exchange when writing.

7000 Surplus Roses
Vigorous and healthy, clean stock, from selected wood, grown in bright sunlight and full air. . .
Price $6.00 per 100.
Varieties: HOSTE, PERLE, SUNSET, BRIDE 'MAID, METEOR, GOLDEN GATE, GONTIER.
3½ inch pots
P. R. QUINLAN & CO.,
SYRACUSE, N. Y.
Mention the Florists' Exchange when writing.

ROSE PLANTS
Meteor, Bridesmaid, Bride, La France — From 2½ and 3 in. pots, per 100, $3.00; per 1000, $25.00.
American Beauty and La France, bushes headed in open ground, per 100, $2.50; per 1000, $20.00.
The above is all clean, strong stock, ready for planting, no better to be had.
GEORGE REINBERG,
51 Wabash Ave., CHICAGO, ILL.
Mention the Florists' Exchange when writing.

Plant Culture
Price, $1.00. See advt. page 696.

SPECIAL
I have 500 A No. 1 Meteor Rose Plants, property of Chatham Rose Co., which must be moved at once.
Will Sell Cheap for Cash.
HARRY B. GREEN, Madison, N. J.
Mention the Florists' Exchange when writing.

Commercial Violet Culture
Price, $1.50 Per Copy.
Address THE FLORISTS' EXCHANGE.

ROSES
'Maids, 3 inch pots, $3.00 per 100.
Brides, " " $5.00 "
CASH WITH ORDER PLEASE.
A. NELSON, Notch Road, P O Box 1150. Paterson, N. J.
Mention the Florists' Exchange when writing.

ROSES. GOLDEN GATE, thrifty stock, from 2½ inch pots, $4.00 per 100, $35.00 per 1000. BRIDESMAID, $3.00 per 100; $25.00 per 1000
PHŒNIX CANARIENSIS, from 5 and 6 in. pots, $3.00 per dozen; $20.00 per 100.
WM. B. SANDS, Lake Roland, - - BALTIMORE, MD.

AMERICAN BEAUTY 4 in., $15.00 per 100; Liberty, 3½ in., $50.00; 4 in., $75.00 per 100; Maid and Bride, from GRAFTED plants, 3½ in., $8.00; 4 in., $10.00 per 100; Perle, 3½ in., $8.00; 4 in., $10.00 per 100. Also Sunset, Meteor, Morgan, Mermet, La France, Niphetos, Kaiserin, Golden Gate, Bon Silene, 3, 3½, 4 in. Asparagus Plumosus, all sizes. Marie Louise Violets.
A. S. MAC BEAN, Lakewood, New Jersey.
Mention the Florists' Exchange when writing.

FORCING ROSES

		Per 100	Per 100
Brides	2½ in	$2.75;	
Bridesmaids	"	2.75;	
Perles	"	3.00;	3 in., $1.50
Sunsets	"	3.00;	" 4.50

Following 2½ Inch Pot Stock:
Prices per 100.

Marie Van Houtte, $2.25	Christine de Noue, $2.25
Duchess Brabant, $2.25	Marie Guillot, $2.25
Purple China, $2.25	Mrs. DeGraw, $2.25
Clothilde Soupert, $2.25	Yellow Soupert, $2.25
Maman Cochet, $2.25	White Maman Cochet, $2.25
Mme. F. Kruger, $2.75	Crimson Rambler, $2.75
Meteor, $2.75	Golden Gate, $3.00
La France, $3.00	Kaiserin, $3.00

Gruss an Teplitz, $5.00

Also 30 other varieties and Miscellaneous stock. Send for list.
2-year-old Crimson Ramblers, from 4 inch pots, $8.00 per 100. Per doz.
Large Compacta Ferns, from 8 inch pans..$6.00
Large Boston Ferns, from 10 inch pans ...10.00
NATIONAL PLANT CO., Dayton, Ohio.
Mention the Florists' Exchange when writing.

ROSES

	2½ inch Per 100	2½ inch 1000	3 inch Per 100	3 inch 1000
Brides	$3.00	$25.00	$5.00	$45.00
'Maids	3.00	25.00		
C. Souperi	3.00	25.00	5.00	45.00
Meteor	3.00	25.00	5.00	45.00
Am. Beauty			8.00	75.00

Mixed Jardiniere Ferns Mostly Pteris varieties, $3.00 per 100; $25.00 per 1000.
Asparagus Sprengeri 2½ in., $4.00 per 100; $35.00 per 1000.
Asparagus Plumosus 2½ in., $6.00 per 100; $55.00 per 1000.
Adiantum Farleyense Fine stock, 6 in. pots, at 50 cts. each.
Smilax 3 in., $4.00 per 100.
Dracaena Terminalis 4 in. $15.00 per 100.
Phoenix Canariensis Elegant stock, 4½ to 5 in., $20.00 per 100.
Chamaerops Excelsa 5 in., $5.00 per 100. 4 in., $3.00 per 100
J. B. HEISS, The Exotic Nurseries, Dayton, Ohio.
Mention the Florists' Exchange when writing.

40,000 FIRST QUALITY FORCING ROSES!
READY FOR IMMEDIATE PLANTING.
Fully equal to those sent out the last eight years, first-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.
WOOTTON, LA FRANCE, AMERICAN BEAUTY, GOLDEN GATE, 3 inch pots, $8.00 per 100. 4 inch pots, $12.00 per 100.
MME. HOSTE, BRIDE, BRIDESMAID, MAID OF HONOR, METEOR, KAISERIN, SAFRANO, BON SILENE, MERMET, PERLE, 3 inch pots, $7.00 per 100. 4 inch pots, $10.00 per 100.
GRAFTED ROSES MAID OF HONOR, GOLDEN GATE, 3½ inch pots, $15.00 per 100.
Mention this paper. J. L. DILLON, Bloomsburg, Pa.

PHILADELPHIA ROSES **HIGH ART NOVELTIES**
3 new Colors of Small Buds for Debutante Work—considered more Rare than Orchids. Stock is Limited. ORDER Early.
AMERICAN BEAUTIES Strictly first-class clean stock, 4 inch only now, 3 inch ready in two weeks.
MYERS & SAMTMAN, CHESTNUT HILL, Philadelphia, Pa.
Mention the Florists' Exchange when writing.

AMERICAN BEAUTY!

3 inch pots	$6.00 per 100; $55.00 per 1000.
2½ inch pots	5.00 per 100; 45.00 per 1000.

	Per 100	1000
BRIDESMAID, 3 in. pots	$1.00	$35.00
" 2½ "	3.00	25.00
PERLE, 3 in. pots	4.00	35.00
" 2½ "	3.00	25.00

	Per 100	1000
METEOR, 3 in. pots	$1.00	$35.00
" 2½ "	3.00	25.00
GOLDEN GATE, 2½ in. pots	4.00	35.00
KAISERIN, 2½ in. pots	3.00	25.00
" 3 "	4.00	35.00

PETER REINBERG, 51 Wabash Ave., CHICAGO
Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO., LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00.
Payable in advance. The date on the address label indicates when subscription expires.

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Chicago to New York.

The Chicago Florists' Club's Committee on Transportation has arranged with the Lake Shore and Michigan railroad for a special train to leave Chicago the afternoon of Sunday, August 19. Niagara Falls will be reached early Monday morning, and the train will lay there several hours, then proceeding to New York, arriving at the Grand Central Station in the evening.

Those desiring to do so may return to Albany by boat up the Hudson River, thence by rail, and all will be entitled to a ten-day stop-over at Buffalo, and if desired may travel by boat from Buffalo to Cleveland, Toledo, or Put-in-Bay.

Going down a dining car will be attached to the train clear through. The round trip tickets will be $26.70, and will be good to return four days after the adjournment of the Convention.

S. A. F. Convention.

Elsewhere in this issue we publish the preliminary program for the New York Convention of the S. A. F. As will be seen, the program is a most interesting and varied one, comparing very favorably with its predecessors. It has been arranged that the whole of the business connected with the Convention proper be concluded by Thursday forenoon, August 23, leaving the afternoon of that day for the trip to Glen Island, and the whole of Friday for the bowling tournament and sight-seeing in the city to those so inclined. Two lectures, illustrated by stereopticon views, are to be provided, one on Tuesday evening, August 21, on "Floral Decorations," by Robert Kift, of Philadelphia; the other, Wednesday evening, on "The New York Botanical Garden," by Dr. Britton, the director. Both of the lectures should, and no doubt will, prove extremely interesting. We are pleased to see this recognition accorded the retail branch of the profession, and trust it may be the means of awakening among the retail trade an interest in the Society's work, with a consequent increase in membership from that quarter.

A proposed amendment to drop the latest addition to the Society's title, "and Ornamental Horticulturists," will probably be creative of some discussion. We never at any time could see the advantage of the appendage in question; the Society's constitution being all-embracing for the purposes that the addition was intended to serve. Our good friends, the professional and amateur gardeners, need offer no objection to the removal of the augmentation which was supposedly made on their behalf, neither should they feel slighted by the proposed action to sever it from the Society's title. Always ridiculous, it should never have found a place there. It is not so much the name of a society that is a guage of its usefulness as the work it performs, and the value of that work to particular individuals, and it would, indeed, be a hard matter to dissociate the professional or amateur gardener from those participating in the good resulting from the labors of the S. A. F., to join the ranks of which every one of the latter has at all times been eligible. The motion to amend the constitution, as herein mentioned, will be made by ex-president Rudd, who has previously advocated the lopping off of "the excrescence," and a return of the Society "to its knitting."

Meetings of the Florists' Hail Association, the American Carnation Society, and the Chrysanthemum Society of America, will also be held during the Convention, on the days specified in the program.

A new feature in connection with the trade exhibit is the offering of a valuable cup by F. Sander & Co., St. Albans, Eng., "for the most creditable exhibit in the trade exhibition department. The special committee of judges for this class will be selected from the ex-presidents of the S. A. F. who may be present at the convention. The exhibit which shows the greatest enterprise in its contents and its arrangement, and is calculated to attract, in the opinion of the judges, the greatest amount of attention from trade visitors, will be entitled to the cup. All classes of trade exhibits are eligible for competition." It will be, we think, a somewhat difficult task for these judges to divine the predilection of visitors as to the exhibit that is calculated to attract the greatest amount of attention from such visitors. The visitors themselves could better decide that by a plebiscite, taken, say, at the close of the second day. To tell, also, the exhibit which "shows the greatest enterprise in its contents and its arrangement" would likewise appear a very hard problem. It appears to us these stipulations are too obscure, and need more or less overhauling to lead to a proper conception of them, and a consequent intelligent awarding of the prize.

With the array of good things, both intellectual and physical, provided for the delegates, there should be, as Secretary Stewart aptly puts it, "an unprecedented crowd" present to participate therein. Such exceptional opportunities in everything attendant upon a convention are not likely soon to occur again in the history of the S. A. F.—at least not until its next visit to the Empire City—and he who misses them will stand greatly in his own light. From President O'Mara down, every member of the New York Florists' Club has labored hard to make this convention the "greatest yet" in the true meaning of the word, and the appreciation of these labors will surely be seen in the presence in New York next August of every progressive florist in America who can possibly spare the time, even if he can ill afford to do it.

Don't let a consideration of such weighty subjects as whether or not an exposition city is a good meeting place for the society deter you from coming to the city that is one "continual exposition." Problems like the foregoing easily adjust themselves under the pressure of the combined wisdom of those having the Society's best interests at heart.

Finally, be assured New York is preparing to give you *cead mille failthe*.

Why Not Have a Great Flower Market?

No one who has visited foreign cities, notably Paris, has forgotten the gorgeous flowers and plants displayed there in profusion in the market—the wealth of specimens from which to choose and the armful of blossoms to be brought away for little more than half the money expended in the costly florists' shops.

The shops are all very well in their way; they serve a useful purpose, and if expensive, they are nevertheless of great convenience to lovers of rare and beautiful flowers, who don't mind the added tax on their purses. But what New York should have from early Spring until late Autumn is at least one great centrally located market, where the little fellows, the small growers, as well as the more important florists, could make a great display of the products of hot house or open air beds from April till November.

What a glorious sight it would be, what a feast to the eye, what a place for the gathering of thousands who would come to see the daily show and be easily induced to carry away something sweet and fragrant! What a lovely feature it would be in this city of granite and bricks and mortar—a market filled daily with thousands of blossoms!

The florists themselves have urged something of this sort—a purely commercial market—but if the idea is carried out, let it be enlarged and well located, to be not only useful to trade, but a delight to New Yorkers generally.—New York Herald.

[This support on the part of the Herald is encouraging. Those interested should endeavor to keep up the agitation—and work hard—and sooner or later a plant and flower market in the first city of the union will be an established fact. But it, of course, will be an all-the-year-around mart.

June Show of American Rose Society.

Editor Florists' Exchange.

Judging from the remarks published in your columns in relation to the American Rose Society's show, it is a fair inference that you either have a grievance or you are being put into the position of pulling some one's chestnuts out of the fire. Covert innuendo may set people wondering what on earth you are getting at (and I will allow that a certain amount of mystery may give no end of amusement), yet it does not really help to a solution of any problem which may exist.

Referring to your report on page 602, of course we cannot help your "understanding" or misunderstanding, as the case may be. As to the purpose of the June show, Sect. 2, Art. 1, of the By-Laws very plainly sets forth what that is. The Rose Society does not set out to "encourage" the trade grower during one part of the year, and the amateur at another time. Our organization works not for this or that class of grower, but for the rose; it does not say "Floreat vendor rosie," but "Floreat regina florum."

As to "lack of interest," you are surely misled. It is a matter of common knowledge that the absence of exhibits was due to the unusual lateness of the season, and it is only fair to state that I was the recipient of not one only, but of very many letters of sincere regret at the writers' inability to show, and my executive committee has the full knowledge that had our date been, say, a week or ten days later, history would have been very different.

As to the holding open of the entry books up to the morning of the show, I fail to see how 24 hours could effect such a marvelous revolution as the writer of the report imagines. Moreover, you should know that staging has to be prepared and other preliminary work done—entry cards must be written, for instance. The question is largely "one of work vs. time." It is easy to stand off and criticise; it would be better evidence of good will if your representative would step in and help in the clerical work that devolves upon the show management, so as to become acquainted with the details. He would then be better qualified to give advice. I defy anyone to satisfactorily handle the entries of a decent size show in the space of an hour or so on the day of the opening.

Will it be news to learn that at our March show several of us sat up all the night previous to the show, and even then hardly caught up with the work? If the press would lend its aid toward encouraging early entries—system as against dilatoriness and a happy-go-lucky method at shows—I fancy the final result would be more satisfactory all round. Competing exhibits could have their space allotted and labeled, an exhibitor would see at once where he had to stage his entry, and instead of the interminable bustle so frequently seen today, the staging of a show would work evenly and quickly to a punctual opening—and wouldn't that jar you?

LEONARD BARRON,
Secy. American Rose Society.

—The first paragraph of our esteemed correspondent's communication we can afford to pass over unnoticed.

We do not think our "understanding" of the object of the June show of the American Rose Society was so wide of the mark as the secretary's statement, even with its classical embellishment, would have one believe. The article of the By-Laws he cites states that "another show will be held later, in order to recognize the rose as a garden flower." And our "understanding," as reflected in our remarks complained of, is to the effect that the June show "is gotten up chiefly to interest private gardeners and amateurs." The fact of the major portion of the classes being open to all, does not in any way impair the status of the private gardener or amateur as an exhibitor in these classes, nor does it rob him of any opportunity to exhibit. We think the results of the show in question demonstrated that the interests of the private gardener and amateur were of greatest concern to the society in connection with the June exhibition, as was proven by the society's envoy being sent to drum up exhibits from that quarter. But, aside from that, the discussions of the society anent the June show, all point to catering then to the interest of "the private gardener and amateur," because that interest is most representative of "the rose as a garden flower."

And, too, we would quote for our correspondent's edification the following from a Prospectus issued by the Rose Society regarding what the Society "sets out to do," and has said (this is in plain English fortunately,) in reference to exhibitions, as "encouraging" certain classes of rose growers: "It has been decided to hold two shows in New York City in the Spring of 1901. The first during the fourth week of Lent; this will be principally a show *for the commercial and private gardener classes*. The second show will be held in June, and its principal feature will be exhibits, by the *amateur classes*, of outdoor grown roses." (The italics are ours.)

Now, as to holding open the entry books: For a Summer show, where conditions surrounding the obtaining of exhibition blooms are so largely beyond the control of the intending exhibitor, the latest moment possible should, we think, be granted him to make his entry. Even 24 hours, in that case, might make a "marvelous revolution" in the number of exhibits securable, as well as in the efforts of the secretary to get through the clerical work consequent thereon. Assistance is always obtainable, for a consideration, if those intrusted with this work do not feel equal to the task.

We can also pass over lightly the puerile remarks of our esteemed correspondent as to "criticism," and our representative stepping in and helping in the clerical work, etc. We don't retain his services for that purpose; neither do we think

his doing so would add to his qualifications to offer suggestions or advice even to the American Rose Society.

We have no doubt that in connection with the March exhibition several "sat up all night previous to the show, and even then hardly caught up with the work." The question of getting through with the work, or not getting through with it, is largely a matter of capacity, as possessed by the individual worker or workers. The Rose Society should not, we think, impose on its secretary any more than he can perform. Give him a manager of exhibition, who will attend to the details of staging, etc., and as many assistants as he cares to ask for in order to expedite the making out of entry cards, and other work of that nature, to save this burden of laboring "all the night previous in order to catch up with the work." He has one consolation, however, in connection with the June show, and that is, that there was no all-night sitting necessary to put through the details of the four entries which represented the sum total of the interest exhibited by those who were "unable to exhibit," as well as others, on the morning of the first day of the show.

BOOKS RECEIVED.

PLANT CULTURE, by George W. Oliver, propagator to the United States Botanic Garden, Washington, D. C. A. T. De La Mare Printing and Publishing Company Limited, publishers, New York. 12 mo., 193 pp. Price $1.00, post-paid. The title of this work informs us that it is a "working handbook of everyday practice for all who grow flowering and ornamental plants in the garden and greenhouse;" and a perusal of its pages convinces us that the author's claims have been fully borne out, for as a practical handbook the work stands in the forefront of modern horticultural publications.

The author has divided his subject into eleven chapters, viz: Stone and Greenhouse Plants, Bedding Plants, Vase and Basket Plants, Vines, Bulbous Plants, Ornamental Grasses, Aquatics, Ferns and Lycopods, Hardy Perennials, Hardy Shrubs and General Directions. Under the last named chapter are given explicit instructions for the performance of such branches as propagating, seed growing, grafting, budding, layering, hybridization, potting, soils, mulching and watering.

Each subject is arranged alphabetically and is dealt with in such a manner as only a practical and experienced man can handle it, being easily comprehended by every one interested. The old saw that "books on plants are only fit for those that do not need them," cannot be applied to Plant Culture, for from the first to the last page, it contains good, sound talk about the plants that are in common cultivation on this continent, others that should be and how to grow them most successfully. That the author's aim has been to give clear, brief and concise cultural directions with the descriptions and usefulness of the subjects treated upon, is evident in every line.

To the commercial man the articles on palms, ferns, carnations, roses and violets will be of especial interest; while the amateur and private gardener will find on every page such condensed information relative to plants and their treatment as has never before been offered at any price.

The book contains no useless verbiage, neither are its teachings obscured by superfluous technicalities. The shortest road to the goal sought, viz., pertinent, practical instruction—has been traveled and made easy for those who would follow therein.

The caliber of Mr. Oliver's writings is already familiar to all our readers and need not be elaborated upon here. His capabilities, both as a botanist and a practical gardener and florist, have been testified to by his numerous successes in competitions and otherwise. His instructions, therefore, have an additional value not possessed by those emanating from less reliable sources, often costing many times the price of the present work to secure them. A good feature in connection with the book is the very complete general index and cross-references provided. The binding is made to stand the handling that a book of this nature is likely to be subjected to. In short, the book is evidently meant for use, and not for ornament. We have pleasure in recommending it as the most practical and comprehensive work of its kind that has come to our desk.

OBITUARY.

Harry Dale.

Harry Dale, the Canadian rose grower, passed away at his home in Brampton, Ont., Sunday, July 15, after a brief illness. By the death of Mr. Dale Canada loses one of its most progressive and able florists. A sketch of his career appeared in our columns on October 29, 1898.

He was born in the town of Dorking, Surrey, England, in 1851. His father and grandfather were market gardeners. The former came to Canada in 1863 and settled in Brampton, where he followed the business of market gardener and florist. Harry went in with his father about 1870, and they ran a successful business until 1881, when the young man started on his own account—still as a market gardener, but growing also a few roses, mostly climbing varieties, under glass. He built his first rose house of any account in 1887. This structure was 200x20 feet, and at the time it was built it was thought to be a very large one. Out of this house Mr. Dale sent into Toronto some extra fine roses—Perle, Sunset, Niphetos, Safrano, Duchesse de Brabant, etc. Additions have been made to the plant almost yearly, until now the houses embrace 200,000 square feet of glass.

Few men were better known in the trade than Harry Dale, and his fame as a rosarian years ago ceased to be confined to his own immediate locality, being recognized over a large portion of America, wherever the products of his skill were presented. Thoroughly up-to-date in every particular which goes to mark the successful florist, he never lost the opportunity of introducing every factor tending to the betterment of his material welfare, and he had built up an establishment, the largest of its kind in the Dominion, which to-day stands as a monument to his persevering and indomitable spirit. By nature a quiet and unassuming man, his was a most lovable disposition, and he shared the good will and respect of every member of the craft who had the pleasure of his acquaintanee. He took a deep interest in everything that made for the promotion and development of the industry in which he was engaged, and was ever ready to lend a helping hand, whenever occasion demanded, toward that end. Mr. Dale was for some years a member of the S. A. F. O. H., the American Carnation Society, a life member of the American Rose Society, and an earnest worker in local clubs and associations. He leaves five children four daughters, and one son about 16 years of age to mourn his loss, to whom the FLORISTS' EXCHANGE, in common with the trade in the United States and Canada, tenders its sincere sympathy in their sad bereavement.

One of his brothers, Edward Dale, will manage the business.

The funeral took place, to Brampton Cemetery, on Tuesday the 17th. A great many of the florists of Ontario attended. The house was filled with beautiful flowers, sent by friends in Buffalo, Montreal, Ottawa, London, Toronto and other places. A short service was held in the house, and another at the grave, and the splendid workman was laid to rest until called to labor in a better world.

Among florists from outside points who attended the funeral were: W. W. Gammage, London; F. G. Foster, W. Lindsay, Geo. Anderson, C. E Walker Hamilton; A. Gilchrist, Toronto Junction; Dr. Roe, Georgetown; J. H. Dunlop; C. J. Tidy, Wm. Joy, Wm. Tidy, W. Muston, F. Miller, R. Abbs, Geo. Mills, A. Dilmenth, A. Horley, J. Mortimer, A Trupp, A. Trupp, Jr., M. Bullamot, J. Bryant, T. Clinkinboomer, J. Vair, J. Graham, J. Riggall, W. J. Lawrence, R. Mearns, W. Wood, S. A. Frost, A. Frost, G. Price, T. Manton, Toronto; A. H. Ewing, Berlin. Floral designs were sent by The Canadian Horticultural Society, Toronto Gardeners and Florists' Association, Buffalo Florists' Club, C. Scrim, Ottawa, Montreal Florists' Association, J. H. Dunlop, Employees; W. W. Gammage, A. Gilchrist, Mr. Jennings, C. J. Tidy and others from local friends.

Merrit S. Worden.

Merrit S. Worden, florist, of 194 Ashland street, No. Adams, Mass., died July 14 at his home, after an illness lasting since last March. He was 43 years old, and leaves a widow and one sister.

Firms Who Are Building.

PITTSFIELD, ME.—A. J. Loder is building a new greenhouse.

FORT DODGE, IA.—P. L. Larson will build a greenhouse 125x25 feet.

NANUET, N. Y.—Michael Hoffman is building some greenhouses, also a water tank.

ADAMS, MASS.—T. D. Brown has had plans drawn for a new greenhouse, to be erected this season.

MCKEESPORT, PA.—W. F. Dickinson, of this place, is rebuilding four houses, to grow general plants. Houses will be heated by steam.

Erratum.

In Adiantum Cuneatum advertisement of Dean & Parse, Summit, N. J., page 681, last week's issue, for 1¼ inch pots, read 1¾ inch.

Business Difficulties.

RIVERHEAD, L. I.—Arthur Lee, florist, has filed a petition in bankruptcy, giving debts amounting to $1,916 and no assets.

"Welcome S. A. F."—and the Florists' Exchange adds its desire to welcome five hundred new members to the Society—the old S. A. F. is worthy of a large following.

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Society of American Florists and Ornamental Horticulturists

Bulletin and Preliminary Program

OF THE

Sixteenth Annual Meeting and Exhibition

TO BE HELD AT THE

GRAND CENTRAL PALACE

Lexington Avenue,
East 43d and East 44th Streets

NEW YORK CITY

August 21=22=23=24, 1900

Important Notice.

Members who have attended previous conventions and know something of the discomforts of waiting in line for an opportunity to pay assessments and procure badges, do not need to be reminded to forward their dues to the Secretary in advance and thereby contribute to their own comfort and facilitate the Secretary's work. To those joining the Society this year, however, this advice is given with much earnestness. The crowd at the New York Convention will be unprecedented. Dues cannot be paid while meetings are in progress, and hundreds of applicants will be demanding attention before the opening session on the morning of the first day, the possession of a badge *and membership receipt for 1900* being absolutely necessary before any individual can sign the roll book and receive invitation cards for the various entertainments provided by the New York Florists' Club, including the ladies' ride, which is planned for the afternoon of the first day. On receipt of $3 from those who have paid membership dues for 1899, and of $5 from all others, certificate and badge for 1900 will be mailed promptly from the Secretary's office. *Preserve your certificate* and bring it to the convention with you.

Tuesday, August 21, 1900

10.30 A.M. FIRST DAY.—OPENING SESSION.

Address of Welcome.

Response.

President Wood's Address.

Appointment of Exhibition Judges.

Reports.—Secretary; Treasurer; State Vice-Presidents; Purchase, Legislative, Claims and Special Committees.

Miscellaneous Business.

2 P.M. FIRST DAY—AFTERNOON.

Ladies' Drive. Conducted by members and ladies of the N. Y. Florists' Club.

3 P.M.

Judges will examine and prepare their reports upon **Trade Exhibit.** Exhibition closed during judging.

4.30 P.M.

Annual Meeting of the Florists' Hail Association of America.

8 P.M. FIRST DAY—EVENING.

President's Reception at the Convention Hall.
Under the Auspices of the NEW YORK FLORISTS' CLUB.

9 P.M.

Lecture—"Floral Decorations," with Stereopticon Views.
ROBERT KIFT, Philadelphia, Pa.

Refreshments and Dancing.

Wednesday, August 22, 1900

10 A.M. SECOND DAY—MORNING SESSION.

Reports of Exhibition Judges.

A Paper "Greenhouse Construction, from the Open Land to the Finished Structure."—J. D. CARMODY, Evansville, Ind.

Discussion.

11 A.M.

Selection of Place of Meeting for 1901.

Nomination of Officers.

Discussion—"The Welfare of Our National Society."
Opened by ROBERT CRAIG.

Discussion—"The Rose."
Opened by E. G. HILL, Richmond, Ind.

3 P.M. SECOND DAY—AFTERNOON.

Annual Meeting of the Chrysanthemum Society of America.

4.30 P.M.

Meeting of the American Carnation Society.

Shooting Tournament. Full details in Official Convention Program.

8 P.M. SECOND DAY—EVENING SESSION.

Address—"American Floriculture, Retrospective and Prospective."
PROF. B. T. GALLOWAY, Chief Div. Veg. Physiology and Pathology, U. S. Department of Agriculture, Washington.

9 P.M.

Lecture—"The New York Botanical Garden," with Stereopticon Views.
DR. N. L. BRITTON, New York.

Thursday, August 23, 1900

10 A.M. THIRD DAY.—MORNING SESSION.

Action on Proposed Amendments to the Constitution and By-Laws.
Ex-President W. N. RUDD moves to amend by striking out, wherever they occur, the words, "And Ornamental Horticulturists."

11 A.M.

Election of Officers.

A Paper—"The Improvement of the Carnation."
WM. WEBER, Oakland, Md.

Discussion.

Address—"Come to Baltimore."
WM. FRAZER, Buxton, Md.

1 P.M.

Excursion to Glen Island. By invitation of the New York Florists' Club.

Friday, August 24th, 1900.

FOURTH DAY.

BOWLING TOURNAMENT under the management of the FLORISTS' NATIONAL BOWLING LEAGUE. Full details in Official Convention Program.

HOTELS.

August is a busy month with New York hotels. A large number, however, are located in the immediate vicinity of the convention hall, and there will be no difficulty in accommodating all who apply, comfortably and at reasonable rates. Those wishing the services of the local committee in securing rooms should apply early by mail to S. S. BUTTERFIELD, Box 1697, New York City, Chairman of Hotel Committee, specifying grade of accommodations desired.

THE QUESTION BOX.

The Question Box will be, as heretofore, an interesting feature of the meetings. Members are requested to forward inquiries intended for the Box to the Secretary previous to the meeting, when practical, so that they may appear in the regular program.

For information as to transportation rates to New York, see page 686 of last week's issue.

THE TRADE EXHIBITION.

Entries with the Superintendent indicate that this will be the grandest exposition of the latest improvements in all requisites for the greenhouse and other departments of the florists' business, models of greenhouses and apparatus, new and rare plants, garden implements, bulbs, seeds and supplies, ever inaugurated. A very large amount of space has already been rented, and intending exhibitors should make application at once to the Superintendent for such accommodations as they require.

Revised rules relative to the judges' duties and methods of making awards may be had on application to the Secretary or the Superintendent of exhibition.

Entries for Purposes of Exhibition Only.—Special arrangements have been made for the accommodation, free of charge, of displays of plants or flowers intended for exhibition only, no sales to be made in connection therewith. Parties desiring to exhibit in this department must so specify in making application to the Superintendent of the Trade Exhibition. Due recognition of valuable exhibits will be given by the Society.

AN EXHIBITION OF PHOTOGRAPHS.

All persons having photographs of floral decorations and design work are invited to send same to the convention hall, in care of the Secretary, where they will be displayed on exhibition, and a competent committee will be appointed to examine and award such recognition as the quality of the floral work represented may justify.

THE SANDER CUP.

F. Sander & Co., St. Albans, England, offer a valuable cup for the most creditable exhibit in the trade exhibition department. The special committee of judges for this class will be selected from the ex-Presidents of the S. A. F. who may be present at the convention. The exhibit which shows the greatest enterprise in its contents and its arrangement, and is calculated to attract, in the opinion of the judges, the greatest amount of attention from trade visitors, will be entitled to the cup. All classes of trade exhibits are eligible for competition.

A Great Horticultural Exhibition

Will be held at the same time and on the same floor as the Trade Exhibition, the awards in connection with which will consist of the Society American Florists' Silver and Bronze Medals, and the New York Florists' Club's Gold and Silver Medals and Certificates; also cash prizes.

The Pan-American Exposition.

Conversing with a gentleman who had recently returned from the Paris Exposition and spent some time in the horticultural section there, he agreed with me that the elaborate preparations going on at the Pan-American promise results that will eclipse that magnificent show now being held in that beautiful French city. To those who by force of circumstances are compelled to stay within our borders this year, we can console ourselves by anticipating a visit to the Bison City to see the grandest effort of the new century. Wonderful progress has been made since the time when many of the attendants to the carnation convention paid a visit to the grounds, which were then barren, save for a few trees planted. Now all is changed, thanks to the Board of Works, of whom Mr. Newcomb Culton is director. Landscape Architect Ulrich has faithfully carried out his directions, so that we see green slopes upon the canal banks and innumerable groups of trees and shrubs flourishing.

I fail to see why that ordinary word canal should be given to a strip of water which will encircle the whole grounds, narrowing here and widening there, with groups of aquatics planted in the many bends reserved for them. William Scott, S. O. H., takes particular interest in the beautiful lily. It is to make its début in the Queen City in great force, and as he is its sponsor, he will see proper attention is given it. At time of my visit, he was overseeing the planting of five hundred nymphæas, and was on the lookout for another and yet larger consignment.

In the nursery corner there are in the aggregate one hundred thousand plants —hardy and herbaceous climbers, and the like. It is when looking at such an enormous collection that one can form some idea of this gigantic undertaking, yet Mr. Scott doubts whether there will be enough stock, and the order to his able assistant, Hermann Searmann, is propagate, propagate. Mr. Scott's idea is to have this branch in such shape that when the Horticultural Building is completed there will be no delay in furnishing it. It is expected that this handsome building will be constructed ere the snow flies, and, judging from the rapidity other structures are being erected, it is reasonable to expect this. Instead of being painted a uniform white (as was the case at the World's Fair), it is intended to paint the buildings in pleasing tints of harmonizing colors.

Mr. Ulrich has secured a grand lot of cedar trees for his Court of Cypresses; hundreds of sweet bays and box trees will adorn the several buildings, where, towering above all, a mammoth electric tower, fed from the roaring Niagara, will throw its myriads of lights upon a series of cascades terminating in an exact reproduction of Venice.

Professor Taylor tells me that the applications for concessions far exceed those at Chicago or Omaha. Additional space has been granted. The Midway will surpass anything yet attempted.

Mr. Scott reports a liberal response from the trade, and is giving his personal attention to every consignment. It keeps him on the jump, but he likes it and says they have only commenced to do something, and by the time the members of the Buffalo Florists' Club attend the convention at New York in August next, he will have something more to tell the craft.

I ran out to South Park and found Professor Cowell had accomplished much this spring in grading and adorning the grounds about the new range of glass. If he can carry out his plans, everything will be in fine shape by next year. W. M.

Frequent heavy showers have been a great help to the trees, shrubs and grass. The large area situated between the Elmwood Avenue and the Park entrance, which has been laid out in hundreds of beds mostly to receive exhibits is now assuming a most beautiful and finished appearance. Under the energy and skill of Mr. Ulrich, what was a few weeks ago a most forbidding waste of clay is now covered with a velvety lawn. No expense is spared in preparing the beds for exhibits. They are excavated fifteen inches and filled in with rich soil. The banks of the lakes and grand canal are as green as beautiful grass can make them. The sunken gardens, which lie between Horticultural Hall and the United States Building, are nearly completed and produce a grand effect. There are two sets of them, each 800 feet long. The extent of the landscape features begins now to be evident, and they are most lavish and diversified. Wherever shrubbery will adorn, it is planted, and between the shrubs the ground will be covered with herbaceous plants. To supply all these Mr. Ulrich has raised immense quantities of the leading sorts. A visit to the propagating houses and a chat with the foreman, Herman Searmann, who walked me over two or three acres of frames, which were filled with hardy plants and grasses, convinced me that there are plants enough to make this department of the Pan-American truly remarkable. They were sown during the Winter, and are now strong plants, and will be planted permanently early this Fall. There are 100,000 of these hardy plants and another 200,000 low growing or creeping plants, that will need the protection of a frame this Winter, and will be planted out early in the spring. These plants, such as vinca, lysimachia, othonna, cerastium, and others, will be used to cover the ground beneath the groups of palms, etc. The herbaceous plants



THE LATE HARRY DALE.
(See obituary, p. 707.)

form a long list, and include mostly all the hardy, showy plants. We noticed achillea, potentilla, digitalis, campanula, lobelia, platycodon, polemonium, gypsophila, delphiniuu, rudbeckia, chilone, aquilegia, asters, salvias, helenium, lychnis, coreopsis, dianthus, geum, and many others.

Then there are thousands of the handsome grasses that will be placed on the banks and margins of the lakes, lagoons, and picturesque inlets. There are agrostis, andropogon, eulalia, bambusa, elymus, erianthus, panicum, and other less-known varieties I have not enumerated but they are here in great numbers. Surely all these plants, wisely distributed, must make an unparalleled display.

WILLIAM SCOTT.

Some Injurious Effects Produced by Fumigation with Hydrocyanic Acid Gas.

Reviewing the work already done along the line of destroying insect pests by the use of hydrocyanic acid gas, we find a varied record wherein the results obtained have in many instances been highly satisfactory, but very often the disadvantages noted have far outweighed the advantages. In 1886, Professor D. W. Coquillett made successful application of the gas for the destruction of scale insects, a full account of which is given in the Report of the United States Department of Agriculture for 1887. Since that time, the gas has been extensively used by nurserymen and orange growers.

Referring to Circular No. 37, Division of Entomology, U. S. Department of Agriculture, also to an article published in the FLORISTS' EXCHANGE of October 9, 1897, we find that the first recorded experiments of a satisfactory nature to rid greenhouse plants of insect enemies by the use of hydrocyanic acid gas were made early in 1895 by Messrs. Woods and Dorsett, of the Division of Vegetable Physiology and Pathology. In these experiments a house of ferns, and later a large house of coleus plants were treated with entirely satisfactory results. The use of the gas for these plants has become a practice rather than an experiment for fumigating both cuttings and plants in benches, and is the only insecticide that will entirely eradicate their insect enemies.

There is, however, a large number of plants which will not withstand the treatment at all and others which will bear fumigation only under certain conditions.

In the presentation of these notes it is the purpose to call attention to the fact that under certain conditions it is possible to do great damage to plants, even where rules have been strictly followed. On the evening of May 12 a house devoted to general plants, representing a large range of distribution and habitat, was treated to a fumigation consisting of .10 gram of 98 per cent. cyanide of potash per cubic foot of space. The application was allowed to remain in the house for twenty-five minutes. All the usual precautions were taken, but many of the plants began to show effects of burning after thirty-six hours.

The damage in this case is attributed to the following causes, all of which it may be well to consider before subjecting a house to cyanide treatment. The house was a new one and much tighter than the average greenhouse, thus preventing waste of the gas. The house had not been shaded and the full effect of the sun had produced a vigorous growth that was easily injured. Another interesting point in our observations was that many of the plants injured were in a weak constitutional condition and the parts injured were those that would ordinarily be the first to show lost vitality; this was very noticeable in the case of several cactæ where the tips of branches that had made no growth for a long time were whitened and shriveled. A plant of agave had its outer and lower leaves injured in much the same manner as when the plant is allowed to become too dry.

The following plants showed the effects of the gas the most and had the appearance of having been severely frosted, and should undoubtedly be included in the list of plants that should not be fumingated with hydrocyanic acid gas: Small tomato plants, cardoons in variety, young foliage of grape cuttings with most of the terminal buds killed, small plants of sweet pea and Kenilworth ivy were killed to the ground.

Among those not injured were a large number of varieties of cabbage, cauliflower and kales, celery plants, ferns in variety, palms, loquats and several species of ficus.

It may be stated, as a general rule, that houses of mixed plants must not be fumingated with hydrocyanic acid gas. A far better way is to provide a box or small room, conveniently located, to which the plants to be fumigated can be transferred. Such a room is now in use by the Division of Botany; it is 4x5 feet by 8 high, being a corner of a basement room partitioned off to form a chamber. In the top of this inclosure is placed a trap ventilator connecting with the outside; this may be opened by means of a cord. At the floor and on the outside of the chamber is a box connecting with the chamber itself; the jar containing the acid is placed in this box and in easy reach of the operator without entering the chamber proper. In addition to this, an electric fan is connected to the chamber near the floor to be used in driving the gas out rapidly after fumigation. The chamber is heavily lined with building paper and the door and other openings weather-stripped.

The electric fan may be omitted, but in most cases some sort of fan is desirable, as it clears the chamber of gas in a few minutes and facilitates the work.

Too much stress cannot be placed upon the danger to human life from the extensive use of this gas and no precaution should be omitted. The potassium cyanide in the dry form should not in any case be allowed to touch the hands of the operator, and even a smell of the gas should be avoided.

W. R. BEATTIE,
Division of Botany, U. S. Department of Agriculture.

Society of American Florists and Ornamental Horticulturists.

DEPARTMENT OF PLANT REGISTRATION.

Arthur Griffin, Newport, R. I., registers the following hybrid melons: "Griffin's Hybrid," a cross between "Blenheim Orange" and "Emerald Gem." Scarlet flesh, exterior cream color, smooth, slightly ribbed. Average weight, 4 lbs. "Sea Verge," a cross between "Scarlet Invincible" and "Triumph." Scarlet flesh: exterior, light green, oval, smooth, finely netted. Average weight, 5 lbs.

M. H. Walsh, Wood's Holl, Mass., registers new rambler rose, "Sweetheart," a cross between "Wichuraiana" and "Bridesmaid:" flowers double, 2 1-2 inches in diameter, borne in profuse clusters. The buds are a beautiful pink; the expanded flowers white, very fragrant and perfectly hardy.

M. H. Walsh, Woods Holl, Mass., registers new rose "Debutante," a seedling of Wichuraiana, crossed with Baroness Rothschild; flowers pink, double, fragrant, produced in profuse clusters. A climbing rose of unquestioned hardiness.

WM. J. STEWART, Secretary.

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	" extra	8.00 to 10.00	8.00 to 10.00	.... to 20.00	6.00 to 20.00	.... to ....
	" No. 1	3.00 to 5.00	4.00 to 6.00	10.00 to 15.00	8.00 to 12.00	.... to ....
	" Culls & ordinary	.50 to 3.00	1.00 to 3.00	6.00 to 8.00	3.00 to 6.00	.... to ....
	Bride, 'Maid, fancy—spc'l	3.00 to 4.00	4.00 to 6.00	2.00 to 4.00	.... to	2.00 to 6.00
	" extra	2.00 to 3.00	3.00 to 4.00	2.00 to 4.00	2.00 to 6.00	2.00 to 6.00
	" No. 1	1.00 to 2.00	2.00 to 3.00	.... to	2.00 to 4.00	.... to ....
	" No. 2	.50 to 1.00	1.00 to 2.00	.... to	.... to	.... to ....
	K. A. Victoria	3.00 to 5.00	2.00 to 6.00	2.00 to 5.00	2.00 to 5.00	2.00 to 6.00
	La France	.... to	.... to	2.00 to 4.00	2.00 to 4.00	.... to ....
	Meteor	1.00 to 4.00	1.00 to 4.00	2.00 to 6.00	2.00 to 4.00	2.00 to 5.00
	Papa Gontier	.... to	.... to	.... to	.... to	.... to ....
	Perle	1.00 to 2.00	1.00 to 4.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
	Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
	ORCHIDS—Cattleyas	25.00 to 35.00	.... to	.... to 50.00	.... to	.... to ....
	Cypripediums	.... to	.... to	.... to	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	.... to	.... to	.... to ....
Carnations	Lot'r grades, all colors	.50 to .75	.20 to .4	.50 to .75	.50 to .60	.30 to .50
	STANDARD VARIETIES White	.50 to .7	.40 to .5	.75 to 1.00	.75 to 1.00	.60 to 1.25
	STANDARD VARIETIES Pink	.50 to .75	.40 to .5	.75 to 1.00	.75 to 1.00	.60 to 1.25
	STANDARD VARIETIES Red	.50 to .75	.40 to .5	.75 to 1.00	.75 to 1.00	.60 to 1.25
	STANDARD VARIETIES Yel.&Var	.50 to .75	.40 to .5	.75 to 1.0	.75 to 1.0	.... to ....
	*FANCY— White	1.00 to 1.25	.50 to .75	1.00 to 1.5	1.25 to 2.00	1.50 to 2.00
	*FANCY— Pink (*The highest grades of standard var)	1.00 to 1.25	.50 to .75	1.00 to 1.50	1.25 to 2.00	1.50 to 2.00
	*FANCY— Red	1.00 to 1.25	.50 to .75	1.00 to 1.5	1.25 to 2.00	1.50 to 2.00
	*FANCY— Yel.&Var	1.00 to 1.25	.50 to .75	1.00 to 1.5	1.25 to 2.00	.... to ....
	NOVELTIES	1.00 to 1.25	.75 to 1.00	1.00 to 3.00	.... to	.... to ....
	ADIANTUM	.50 to .60	.... to .6	.75 to 1.00	.... to 1.00	.75 to 1.00
	ASPARAGUS	35.00 to 40.00	.... to 50.00	35.00 to 50.00	25.00 to100.00	.... to 50.00
	ASTERS	.50 to 1.00	.... to 1.00	.75 to 1.00	.... to .50	1.00 to 2.00
	CALLAS	.... to	4.00 to 6.00	.... to	.... to	.... to ....
	DAISIES	.... to	.... to	.... to	.... to	.... to ....
	GLADIOLUS	2.00 to 3.00	2.00 to 4.00	2.00 to 4.00	.... to	2.00 to 4.00
	IRIS	1.00 to 3.00	.... to	.... to	.... to	.... to ....
	LILIES	2.00 to 6.00	2.00 to 4.00	.... to	.... to	10.00 to 12.00
	LILY OF THE VALLEY	1.00 to 1.50	2.00 to 3.00	2.00 to 4.00	.... to	3.00 to 4.00
	MIGNONETTE—ordinary	.25 to 1.00	.50 to .75	.... to	.... to	1.00 to 2.00
	" fancy	.... to	.... to	.... to	.... to	.... to ....
	PÆONIES	.... to	.... to	.... to	.... to	.... to ....
	SMILAX	8.00 to 10.00	10.00 to 12.5	10.00 to 20.00	12.00 to 25.00	10.00 to 15.00
	SWEET PEAS	.10 to .25	.10 to .2	.15 to .3	.16 to .30	.30 to .60
	TUBEROSES	.... to	.... to	.... to	.... to	.... to ....

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned

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...Wholesale Prices of Cut Flowers...

	Names and Varieties	Chicago July 18, '00	St. Louis July 16 '00	Cincinnati July 16, '00	Milwaukee July 15 '00	Pittsburg July 16, '00	Toronto July 11, '00
Roses	A. BEAUTY, fancy—special	....—25.00	....—	....—	15.00—20.00	20.00—25.00	....—25.00
	" extra	12.00—15.00	....—	....—	10.00—12.50	10.00—15.00	....—10.00
	" No. 1	8.00—10.00	....—	....—	6.00— 8.00	5.00— 8.00	....— ....
	" Culls & ordinary	2.00— 3.00	....—	....—	3.00— 5.00	2.00— 4.00	....— 5.00
	Bride, Maid, fancy-spec'l	....—	2.00— 4.00	3.00— 4.00	4.00— 5.00	....—	....— ....
	" extra	3.00— 4.00	2.00— 4.00	3.00— 4.00	4.00— 5.00	2.00— 3.00	1.00— 6.00
	" No. 1	4.00— 5.00	....—	....—	....—	2.00— 3.00	1.00— 6.00
	" No. 2	1.00— 2.00	....—	....—	....—	....—	1.00— 4.00
	K. A. Victoria	3.00— 5.00	....—	....—	4.00— 6.00	4.00— 8.00	....— ....
	La France,	....—	....—	....—	....—	....—	....— ....
	Meteor	3.00— 5.00	2.00— 5.00	3.00— 4.00	4.00— 6.00	2.00— 6.00	1.00— 6.00
	Papa Gontier	....—	....—	....—	....—	....—	....— ....
	Perle	1.00— 3.00	....— 2.00	....—	3.00— 4.00	2.00— 6.00	1.00— 4.00
	Souv. de Wootton	....—	....—	....—	....—	....—	1.00— 6.00
	ORCHIDS—Cattleyas	....—	....—	....—	....—	....—	....— ....
	Cypripediums	....—	....—	....—	....—	....—	....— ....
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	Ord'r grades, all colors	.40— .50	....— .50	....—	....—	....—	....— .50
	STANDARD VARIETIES White	.75— 1.50	1.00— 1.25	1.00— 1.50	.50— 1.00	....—	1.00— 2.00
	STANDARD VARIETIES Pink	.75— 1.50	1.00— 1.25	.75— 1.00	.50— 1.00	.50— .75	1.00— 2.00
	STANDARD VARIETIES Red	1.00— 2.00	1.00— 1.25	....— .50	.50— 1.00	.50— .75	1.00— 2.00
	STANDARD VARIETIES Yel.&Var	1.00— 2.00	1.00— 1.25	....—	.50— 1.00	.50— .75	1.00— 2.00
	*FANCY— White	....—	1.50— 2.00	....—	....— 2.00	1.00— 1.50	....— ....
	*FANCY— Pink	....—	1.50— 2.00	....—	....— 2.00	1.00— 1.50	....— ....
	*FANCY— Red	....—	1.50— 2.00	....—	....— 2.00	1.00— 1.50	....— ....
	*FANCY— Yel.&Var	....—	....—	....—	....— 2.00	1.00— 1.50	....— ....
	NOVELTIES	....—	....—	....—	....— 2.00	....—	....— ....
	ADIANTUM	.40— .50	....— .75	.75— 1.00	....— 1.00	.75— 1.00	....— .50
	ASPARAGUS	40.00—50.00	....—	....—	....— 60.00	35.00—50.00	30.00—50.00
	ASTERS	1.00— 1.50	1.00— 1.50	....—	....—	1.00— 3.00	....— .60
	CALLAS	8.00—10.00	....—	....—	....—	....—	....— ....
	DAISIES	.15— .25	....—	....—	....— .50	....—	....— ....
	GLADIOLUS	2.00— 4.00	3.00— 4.00	3.00— 5.00	....— 5.00	2.00— 4.00	....— ....
	IRIS	....—	....—	....—	....—	....—	....— ....
	LILIES	6.00—12.00	....—	....—	....—15.00	8.00—10.00	....— 6.00
	LILY OF THE VALLEY	3.00— 4.00	....—	....—	....—	2.00— 6.00	....— 2.00
	MIGNONETTE—ordinary	....—	....—	....—	....—	....—	....— ....
	MIGNONETTE— fancy	....—	....—	....—	....—	....—	....— ....
	PÆONIES	....—	....—	....—	....—	....—	....— ....
	SMILAX	10.00—12.00	....—12.50	....—15.00	....—12.50	12.50—15.00	....— ....
	SWEET PEAS	.10— .40	....—	....— .15	.15— .25	.10— .50	.20— .50
	TUBEROSES	3.00— 4.00	4.00— 5.00	3.00— 5.00	....—	....—	....— ....

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Galax Leaves Brilliant Bronze or Green, $1.50 per 1000.
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IS A BOOK of 224 large pages (8½x11 inches), and contains about 200 articles on commercial plants and cultural operations, each giving "the meat" only, from the personal experience of a thoroughly practical man who is in daily touch with each department of the business and who has that rare quality of being able to tell others what they want to know. The articles are arranged alphabetically, like those in an encyclopædia, and in an instant one can turn to the subject upon which light is desired at the moment. The book is illustrated by over 200 fine half-tone engravings. It is
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Now in full bloom here, Fancy or Dagger, in one thousand lots, 50c.; all lots over 100, 40c.
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An Everbearing Plum.

We send you by mail to-day a sample of the Eagle, our Everbearing and Never-failing plum. Please keep the fruit till ripe before eating. We shall be pleased to know what you think of it. The original tree now has on its 28th successive crop, and ripe fruit can be gathered during the Summer from it six to nine weeks.—BAKER BROS., Fort Worth, Texas.

—The plums were quite ripe when they reached this office and were duly sampled. While the flavor is not up to the standard of some other plums, the everbearing qualities of the variety should make it a desirable one.

Retinosporas are being used extensively in England as decorative plants for corridors, staircases and dining tables.

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Strong seedlings from flats, 25c. per 100, $2 per 1000

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25,000 SMILAX That will grow and make strings this fall From 2 inch pots, $1.50 per 100, $13.00 per 1000. From flats, by mail, 50c. per 100; $1.00 per 1000 Send for samples CASH WITH ORDER.

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30,000 SMILAX Nice thrifty, 2 in., per 100, $1.25; per 1000, $10.00.

Primula Forbesi (Baby Primrose), extra fine plants from 3 in. pots, ready for 4s and 5s, only $5.00 per 100.

Primula Obconica Grandiflora, 2 in., $2.50 per 100.

Primula Obconica Grandiflora Rosea, 2 in., $2.50 per 100

Cyperus Alternifolius, 3 in., fine, 5 to 8 stems, $5.00 per 100 Cash with order, please.

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From 2½ in. pots, $2.00 per 100.

Russellia Multiflora and Elegantissima, from 3 in. pots, 60 cts. per doz.

Asparagus Tenuissimus Nanus, from 2 in. pots, 50 cts. per doz.

Asters, Queen of the Market, strong, from soil, $1.00 per 100.

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2 inch, strong plants, $1.25 per 100; $10.00 per 1000.

COLEUS, R. C., 70 cents per 100; $5.00 per 1000, prepaid.

C. HUMFELD, Verbena King. **Clay Center, Kan.**

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Fine plants, 2 inch pots, $1.00 per 100; $8.00 per 1000.

ASPARAGUS Sprengeri, 2 inch pots, $3.00 per 100.

Plumosus Nanus, 2 inch pots, $4.00 per 100.

PRIMROSES July 1st, Chinese, Forbesi, Obconica, Grandiflora and Rosea, $2.00 per 100.

PANSY SEED August 1st, $4.00 per oz. Cash, please.

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$1.50 per 100.

From pots; samples free to intending buyers, if desired.

ALBERT M. HERR,

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St. Louis.

The Market.

Funeral work makes up the bulk of what business there is doing these days, and there seems to be enough of it to clean up most of the stock that comes in. Roses are of very poor quality, hardly worthy of the name; they sell at from 2c. to 5c., while 8c. could probably be gotten for anything like good stock. Carnations are still in fair supply and quality; about $1 per 100 is still the price for them. Asters are now in, in limited lots, and sell well. Gladioli are quite abundant and good; also tuberoses. Sweet peas are practically over.

Notes.

Owing to alterations in the building occupied by J. W. Kunz, he is obliged to give up business at 506 Olive street. He will probably open up again later.

Club Meeting.

The regular meeting took place on the 14th inst., with President Amman in the chair. The attendance was considerably better there being some 19 members present. Routine and committee business was transacted. Among other things brought up was an offer of a year's subscription to the National Florists' Board of Trade, as a prize to be given at our coming show this Fall. Same was accepted with thanks. The preliminary list of the show will be out in a few days.

Nomination of officers for the coming year resulted as follows: President, F. H. Meinhardt and E. W. Guy; vice-president, Chas. J. Jeungel; secretary, E. Schray; treasurer, J. J. Beneke; trustees, F. J. Fillmore, J. W. Kunz, Mr. Grossheardt, Mr. Emmons and Phil. Mohr.

Then followed a lengthy and interesting discussion as to the advantages of the early planting of carnations, in which Messrs. Dunford, Fillmore, Emmons and Guy took part.

By vote of the Club it was finally decided to have the picnic at Montesano Springs on Wednesday, July 25th. Boat will leave at 9:30 o'clock from foot of Olive street. All florists and their friends are cordially invited, and it is hoped a good crowd will turn out to make the affair a success. Tickets can be had at the wholesale houses, and of the trustees.

C. C. S.

Pittsburg.

For the past two months or more trade has been rather better than was expected. Even now there are occasional good days when stock is scarce, mainly for funeral work. Carnations and roses are getting off in color and size, but still command a pretty fair price—the former about $1.50 per 100. Sweet peas are suffering from dry weather. Asters are beginning to show up and will be very useful.

The Florists' Club meeting, held last week, was the best attended in some time. Matters pertaining to the Convention and picnic were fully discussed. As to the latter, it was decided to have it before going to the Convention—some time in the first week of next month. A committee was appointed as follows: John Bader, L. I. Neff, J. W. Ludwig, E. L. Ludwig and W. Loew, who have full charge, will issue invitations to every member. Any member desiring to take friends with him should apply to the secretary of the club for extra invitations. It seems as if a good delegation from Pittsburg and vicinity will attend the Convention in New York. Outside of the 1⅓ rate granted to the S. A. F., so far nothing better has been heard of, and it is more than likely that the majority of those going to the Convention will take in the Atlantic City excursion on August 16, spending several days in the city by the sea, go to Philadelphia on Monday and proceed with the Philadelphians (providing they allow us) to New York. The fare from Pittsburg to Philadelphia or Atlantic City and return, good for 16 days, is only $10; and from Philadelphia to New York not over $4 for the round trip, and perhaps the Philadelphia boys will get a still better rate, and extend the same to our members; so it will be fully as cheap as the 1⅓ rate, giving a longer time, besides taking in Atlantic City, Philadelphia and New York at leisure, as a few desire to stay away for half a month. If a better plan, or a better rate can be secured, I will be able to let the readers of the EXCHANGE know at least a week before the convention.

E. C. REINEMAN.

CHRYSANTHEMUMS Now is the time to plant them. We offer extra fine vigorous plants, from 2 and 2½ inch pots. Everybody likes them; they are so strong and healthy that they surprise all of our new customers; our old customers, of course, always know what to expect, but even they occasionally tell us that our stock is getting better all the time. Following is a partial list.

EARLY	100	MID-SEASON	100	LATE	100
Ivory	$3 00	Major Bonnaffon	$3 00	Mrs. J. Jones	$4 00
M. Henderson	3 00	Wm. Simpson	3 00	Liberty	4 00
Geo. S Kalb	3 00	V. Morel	3 00	Merry Xmas	4 00
Merry Monarch	3 00	O. W. Childs	4 00	Autumn Glory	3 00
Willowbrook	4 00	H. W. Longf llow	3 00	E. Dailledouze	4 00
M d: Montmort	3 00	Mrs. Murdoch	3 00	Golden Wedding	4 00
Mrs J Whitelin	3 00	Mrs T L Park	6 00	Nagoya	6 00
John K. Shaw	5 00	Black Hawk	4 00	Xeno	6 00
Golden Trophy	3 00	Mrs. C. H. Pierce	3 00	Harry Balsley	3 00
Glory of the Pacific	3 00	Mrs. H Robinson	3 00	Adula	3 00
		Niveus	3 00	Mrs. Baer	8 00

In addition to the above we have a large list of new and other standard sorts. Send for complete list.

H. WEBER & SONS, OAKLAND, MD.

Mention the Florists' Exchange when writing.

Boston.

Market News.

There has been little or no change in the condition of business. Vacations and a general early closing are the rule. Stock is very plentiful, but is very poor for the most part.

Jottings.

Philip L. Carbone of Boylston street, and Antoine Leuthy, of Rosindale, the palm grower, went abroad Saturday last.

Thomas F. Galvin returned Saturday from a month's sojourn in Europe.

Burglars broke into Galvin's conservatories, on Boylston street, Friday night last week, but got nothing for their trouble. They only damaged the cash register in opening it.

Fred. R. Dow, formerly with Thos. F. McCarthy, has opened a wire-worker's shop at 19 Province street.

John Walsh, manager of the Flower Market, is now on a two weeks' vacation; George Cartwright is substituting for him.

Anderson & Williams are just finishing a new rose house.

The regular Saturday exhibition last week was a very good one. H. Dumaresq captured all the prizes awarded for hydrangeas. Achimenes were also nicely shown by Mr. Dumaresq, he taking the only prizes awarded in this class. W. J. Clemson showed a few nice cut blooms of gloxinias, very tastefully arranged with ferns. In the class for tuberous begonias, E. S. Converse was awarded both prizes—one for single, and the other for double varieties. Mrs. J. L. Gardner receive the award for aquatic flowers with a choice variety, prettily arranged.

There were quite a few choice things shown, not scheduled. Oakes Ames, staged for the first time a hybrid cypripedium, W. R. Lee, bearing large, handsome flowers, for which a silver medal was awarded. The Bussey Institute sent in a showy catasetum, with a fine spike of flower, a native of Venezuela, found near the mountains of Caracas. Dr. Weld had a novel plant from South Africa, called Gerbera Jamesonii.

Sweet peas of very good quality were shown by W. J. Clemson, Mrs. J. B. Lawrence and E. C. Lewis. The Hon. J. S. Fay estate sent in a nice collection of hollyhocks, and a new hybrid climbing rose, a cross between Rosa Wichuraiana and Baroness Rothschild. Hollyhocks were also shown by Jos. S. Chase. Rea Bros. and the Blue Hill Nursery staged hardy herbaceous perennials.

W. J. Clemson also showed bougainvillea and Japan irises. F. J. N.

Do not fail to attend the S. A. F. Convention at New York, August 21 to 24, 1900. If you are not there, "you'll be sorry" when you read all about the great doings at that time.

60,000 DAHLIAS

For Fall Delivery.

All the best and newer varieties. Stock first-class. Prices right

A. B. DAVIS & SON, Purcellville, Va.

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CARNATIONS

F. DORNER & SONS CO., LaFayette, Ind.

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CHRYSANTHEMUMS

Surplus lot, strong, single stem, plants.

650 **Ivory**, 2½ inch, 240 **Bergmann**, 2½ inch, 100 **Robinson**, 2½ inch, } $1.75 per 100; the lot, $14.00.

JOSEPH F. SMITH, Burlington, N. J.

Mention the Florists' Exchange when writing.

THE VERY FINEST STOCK OF

IVORY 'MUMS

$2 per 100; $17.50 per 1000.

2,500 ready for this and next week's planting; 2,000 for later planting

Your money back if not A1.

HENRY EICHHOLZ, - Waynesboro, Pa.

Mention the Florists' Exchange when writing.

POTTED PLANTS

THE GREEN SPRINGS FLORAL CO

WALDROP, VA.

Farquhar Violet..... per 1000, $20 00
Lady Hume Campbell..... " 15 00
Princess of Wales..... " 12 50

Also field-grown plants of the different varieties, at the same figures as the potted plants. Guaranteed clean of all diseases. Money must accompany all orders.

Mention the Florists' Exchange when writing.

VIOLETS From pots, A1 stock, free from disease: Lady Campbell, M Louise and Farquhar. $2.50 per 100; $20.00 per 1000; New Imperial, fine stock, $3.00 per 100; $25 00 per 1000.

GERANIUMS S. A. Nutt and Brusoni, $6.00 per 100. 3 in., $3 50 per 100, incl. Mme. Salleroi.

ALTERNANTHERA red and yellow, from flats. $2.00 per 100.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

VIOLETS. VIOLETS.

Maria Louise, clean and healthy in every particular. 3 in. pots, $5 00 per 100; ready August 1st. Cash with Order.

WM. J. CHINNICK, - Trenton, N. J.

Mention the Florists' Exchange when writing.

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Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

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Mention the Florists' Exchange when writing.

CARNATIONS

WM. SWAYNE, Kennett Square, Pa.

Mention the Florists' Exchange when writing.

Buffalo.

Absolute quietness now exists, and the lack of what otherwise would be a scarcity in many kinds of blooms, is not an item of complaint. Early closing hours now rule at the stores.

On Friday last an informal talk on matters pertaining to the probable doings here in 1901, was indulged in by a few of the leading local craftsmen, but no defined action resulted.

Our outside friends have been with us more numerous; no doubt attracted by the cooling influence of our plentiful rainfalls, copious showers having been of almost daily occurrence for the past week. The list has included:—Walter Mott, of Philadelphia; Bert Coakley, Scranton; Harry Balsley, Detroit; W. C. Stroh, Utica, N. Y., and J. H. Gould, Middleport, N. Y. VIM.

Painesville, O.

W. C. Werner, a florist of this place, received an electric shock during a lightning storm last week. Fortunately, he suffered no injury.

Bracondale, Ont.

Councillor F. C. Miller, florist, left this week for a tour of the United States.

HEADQUARTERS FOR
COCOA FIBRE, SHEEP MANURE, BONE, all grades, IMPORTED SOOT, CLAY'S FERTILIZER, SPHAGNUM and GREEN MOSS, RUSTIC WORK, all kinds
DUNNE & CO. 50 West 30th St. New York.
HORTICULTURAL SUPPLIES.

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IMPROVED GREENHOUSE GLAZING POINT
A sure preventive of glass slipping; effective on large or small glass; zinc, will not rust, last forever; easy to drive and easy to extract. Two sizes, ⅝ and ¾ in. long. One pound packages 40 cts. 1440 points ⅝ in. size, 1040 points ¾ in. size, in a pound. By mail, 16 cts. per lb. extra.
For Sale by the Trade.
CHAS. T. SIEBERT, Man'f'r, Pittsburg, Pa.
Mention the Florists' Exchange when writing

WIRE
ROSE STAKES
H. F. LITTLEFIELD, Worcester, Mass.

BEST AND Cheapest ALL-ROUND INSECTICIDE on the Market.
"ROSE LEAF" EXTRACT OF TOBACCO INSECTICIDE
For Sale by Seedsmen. For Free Pamphlet Write to The Kentucky Tobacco Product Co., Louisville, Ky.
Mention the Florists' Exchange when writing

Sulpho-Tobacco Soap
COMBINING the qualities of an absolute insect exterminator with those of a vigorous fertilizer. Recommended and in use by the foremost florists and nurserymen in the land. For Sale at the Seed Stores.
ROSE MFG. CO., Niagara Falls, New York
Mention the Florists' Exchange when writing

FRUIT AND FLOWER PLATES
Seed Packets and Supplies of all kinds for NURSERYMEN, FLORISTS and SEEDSMEN
SEND FOR PRICE LIST.
Stock Cuts, 10c. per square inch. Engraving by all processes. Printing and lithographing.
Illustrated Catalogues a Specialty.
VREDENBURG & CO., - Rochester, N. Y.
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SIGMUND GELLER,
Importer, Jobber and Manufacturer of
FLORISTS' SUPPLIES
Telephone, 1747 A, Madison Square.
108 West 28th St., Near 6th Avenue, New York City.
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FLORISTS' WIRE DESIGNS. REED & KELLER, 122 W. 25th St., New York. IMPORTERS AND DEALERS IN SUPPLIES
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We have facilities everywhere { FOR HANDLING COLLECTIONS / FOR SECURING REPORTS. . . .
FOR INFORMATION WRITE
THE NATIONAL FLORISTS' BOARD OF TRADE.
C. S. LODER, Sec'y, 271 Broadway, New York.
Mention the Florists' Exchange when writing.

Supplies
For Florist, Store and Greenhouse; Wire Frames, Cape Flowers, Cycas Leaves and Wreaths, Metal Designs, Wheat Sheaves, Etc. Also Seeds and Bulbs. Send for latest lists to
AUGUST RÖLKER & SONS, 52 DEY ST. NEW YORK.
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It's Dead Easy
To String your Smilax, when you use the
Meyer Green Silkaline,
Samples and prices free.
FOR SALE BY LEADING JOBBERS.
JOHN C. MEYER & CO., 80-84 Kingston St., Boston, Mass.
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SHEEP MANURE
Cleaned and Prepared Expressly for Florists' Use.
You will find it the genuine article. For reference as to its being first-class, I refer you to Henry F. Michell, 1018 Market Street, Philadelphia Pa. Trial bag of 150 lbs., $2.50; per ton, $25.00. One quarter ton at ton rate. CASH WITH ORDER.
GODFREY ASCHMANN, 1012 Ontario Street, Philadelphia, Pa.
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YOU SHOULD KNOW WHAT NOTED GROWERS SAY
IMP. Imperial Liquid Plant Food DOES.
Inodorous, not expensive. Full information, booklets, prices on request. Leading Eastern Dealers handle it. Eastern Chemical Co., Mfrs., 620 Atlantic Avenue, Boston, Mass.


Hundreds of Florists ARE USING OUR
PULVERIZERS
You can regulate it. Send for list of testimonials. Pat. allowed Feb. 25, 1900.
No. 1, $5.00; No. 2, $10; No. 3, $20.
The Florists' Supply Co.
No. Tonawanda, N. Y.

TOBACCO DUST
50 lbs., 75c.; 100 lbs., $1.00; 200 lbs., $1.75; 500 lbs., $3.75; ton, $12.00.
Nikoteen, $1.50 per pint; 5 pints, $7.00.
Nikoteen Aphis Punk, 60c. per roll; $6.50 per dozen.
Van Reyper Ginzing Points, 60c. per 1000; 5000 lots at 55c. per 1,00; by mail, 70c. per 1000.
Mastico, $1.25 per gallon; 5 gallons, $5.75.
Seeds, Bulbs, Florists' Supplies, Etc.
GRIFFITH & TURNER CO., Baltimore, Md.

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Nurserymen, Seedsmen and Florists
Wishing to do business with Europe should send for the
"HORTICULTURAL ADVERTISER"
This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage, 75 cents. Address
EDITORS OF THE "H. A."
Chilwell Nurseries, NOTTS, ENGLAND.
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GEORGE RIPPERGER,
SHEEP MANURE
I have now on hand a large quantity of A1 SHEEP MANURE.
Send for PRICE LIST and SAMPLE.
Best Fertilizer for Top Dressing.
Office, 207 Academy St., Factory, Seventh St., LONG ISLAND CITY.
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A New Catalogue entitled
Flowers AND Floral Designs
Twelve paves and handsome cover Shows forty-one arrangements, with prices. For agents' use or promoting out-of-town trade.
Sample, 40c. in stamps. Circular Free.
DAN'L B. LONG, Publisher, BUFFALO, N. Y.
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$5 Makes You a Member of the SOCIETY OF AMERICAN FLORISTS
THE LARGEST ASSOCIATION OF EXPERT HORTICULTURISTS IN THE WORLD.
Supplies at wholesale rates through the Co-operative Purchase Department.
Free registration of new plant introductions.
Dues after first year.... $3.00 annually.
Life membership..... 30.00
Next Convention, New York City, August, 1900. Write to Secretary,
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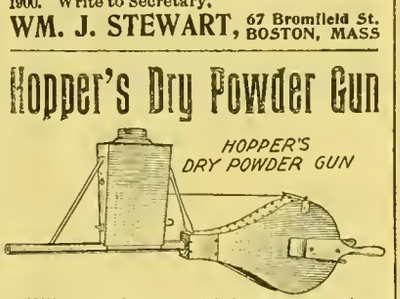
Hopper's Dry Powder Gun

HOPPER'S DRY POWDER GUN
Kills more insects with less powder than any duster on the market. Will throw powder under the leaf; for tree, vine, bush or plant. Weighs 4 lbs. Agents wanted. Circular free. Will forward Gun on trial to responsible parties.
A. & T. R. HOPPER, - Highland, N. Y.
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"NICOMITE"
(PATENT)
Vapor Insecticide
POWDER.
No labor required. Harmless to bloom and foliage. A certain killer of
ALL GREENHOUSE BUGS.
SOLD BY SEEDSMEN.
The Tobacco Warehousing & Trading Co
LOUISVILLE, KY.
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GALVANIZED STEEL
Wire Rose Stakes
Straight or Looped and Pointed
—ALSO—
The Model Extension Carnation Support.
LANCASTER, PA., June 17, '99.
MR. THERON PA. KER,
Brooklyn, N. Y.
Dear Sir:—Your Model Carnation Support is all right in every way, and will no doubt be considered as necessary as good plants with growers when better known. I consider it the best in the market, and if your other specialties are as good, they should make another addition to the money makers of 1900.
Very respectfully,
ALBERT M. HERR.
Samples and Prices on Application to
THE MODEL PLANT STAKE CO.,
226 North 9th Street,
Brooklyn, N. Y.
THE MODEL ROSE STAKE Looped and Pointed.
THE MODEL PLANT STAKE for Lilies and all Pot Plants.
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Niko-teen
Does not injure the most sensitive plants. Used for fumigation or spraying indoors or out. 200 pounds of tobacco in one pint of Nikoteen
Sold by Seedsmen. Circular free.
Skabcura Dip Co. Chicago.
Saves Blooms
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SPRAY YOUR FRUIT
BORDEAUX
PATENTED
WITH THE "INCOMPARABLE" BORDEAUX NOZZLE
used on "World's Best" Spraying Outfits. Cut shows our patent KEROSENE BUCKET SPRAYER Makes Emulsion while Pumping.
MADE ONLY BY
THE DEMING CO., SALEM, OHIO.
Twelve varieties of Sprayers. PUMPS OF ALL KINDS. Write us or our Western Agents, Henion & Hubbell, Chicago, Ill.
Catalogue and Formulas Mailed FREE.
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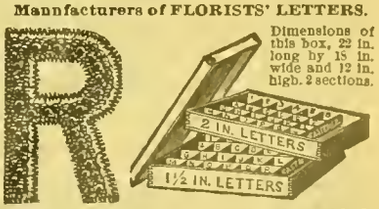
BOSTON FLORIST LETTER CO.
Manufacturers of FLORISTS' LETTERS.


Dimensions of this box, 22 in. long by 18 in. wide and 12 in. high. 2 sections.
This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1½ or 2 inch size, per 100, $2.00.
Script Letters, $4.00.
Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.
N. F. McCARTHY, Treas. & Manager,
FACTORY, 13 Green St. BOSTON, MASS. OFFICE, 84 Hawley St.
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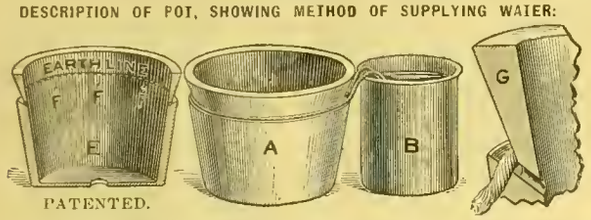
ACME POT

A self-watering pot or pan, devised specially for spores, fine seeds and cuttings. No surface watering; seeds cannot be washed away; surface earth does not harden. The pot, as will be seen by the cuts, is original in its construction and application, and is the result of many years of practical experience in the art of propagating and raising seeds and spores.

DESCRIPTION OF POT, SHOWING METHOD OF SUPPLYING WATER:



PATENTED.

A, indicates the pot; B, a reservoir for water; E, section of pot, showing earth line and perforations or water passages F F F below. G, full size section, showing groove, with cord siphon. Several pots may be arranged around one reservoir, each connected therewith by a cord, through or over which the water is conducted by capillary attraction.

Price, boxed, F.O.B., Pot and Siphon Cord Complete, 50 cts each; $5.00 per dozen.
Indorsed by leading florists and the trade generally. Send for full descriptive circular.

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ESTAB. 1765
A. H. HEWS & CO.
NO. CAMBRIDGE MASS.
L. I. CITY N.Y.
CATALOGUE FREE

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STANDARD FLOWER POTS

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2 in. pots in crate,	$4 88	120 7 in. pots in crate,	$4 20
1500 2¼ " "	5 25	60 8 " "	3 10
1500 2½ " "	6.00	48 9 " "	3 70
1000 3 " "	5 00	48 10 " "	4 80
800 3½ " "	5 80	24 11 " "	3 60
500 4 " "	4 50	24 12 " "	4 80
320 5 " "	4 51	12 14 " "	4 80
144 6 " "	$16	6 16 " "	4 50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Address **Illfinger Bros. Pottery, Port Edward, N. Y.**

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CABLE AND PIPE

Ventilating System.

SOIL-MACHINES

In Large or Small Sizes.

SEND FOR CATALOGUE.

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FOR SALE.

Greenhouse Glass

Below Market Rates.

S. JACOBS & SONS, P. O. Address, Metropolitan, N. Y.

JOBBERS IN GREENHOUSE GLASS.

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RED STANDARD POTS

Correct Size. Superior Quality.

Write for Price List.

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GLASS

For Greenhouses, Graperies, Hotbeds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

N. COWEN'S SON,

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HOTHOUSE GLASS

All Sizes a Specialty.

C. S. WEBER & CO.

4 Desbrosses St., New York.

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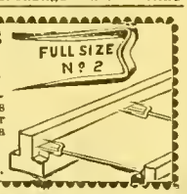
Holds Glass Firmly

See the Point

The Van Keuren Perfect Glazing Points are the best. No rights or lefts. Box of 1000 points 75 cents, postpaid.

HENRY A. DREER, 714 Chestnut St., Phila., Pa.



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MASTICA

FOR GLAZING GREENHOUSES.

Proves superior to putty. Easier to apply, and stays on. Not affected by extremes of weather. Endorsed by prominent florists. Send for descriptive circular of Mastica and Mastica Glazing Machines.

Sole Manufacturers, **F. O. PIERCE CO.,** 170 Fulton St., **New York.**

Mention the Florists' Exchange when writing.

Use GARLAND'S

Cast Iron Cutter

AND STOP REBUILDING.

Write for Circular.

GEO. M. GARLAND, Desplaines, Ill.

CLEARY & CO.,

Horticultural Auctioneers,

60 Vesey St., NEW YORK.

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GREENHOUSE MATERIAL

Cal. Red Cedar and Louisiana Cypress.

BEST GRADES. PERFECT WORKMANSHIP.

A. DIETSCH & CO., 615-621 Sheffield Avenue, **CHICAGO, ILL.**

Mention the Florists' Exchange when writing.

Philadelphia.

Gardeners' Outing.

The chief event of this past week was the visit to this locality of the Westchester County (N. Y.) Gardeners' Association. The members of this society have an annual outing, and this year they accepted the invitation of Thomas Meehan & Sons to visit the firm's large nurseries and be their guests for the day. The delegates, headed by their vet ran president, John Shore, arrived at Broad street station at 9:30 a. m., and took train again for Carpenter street, Germantown. Here they were met by Thos. B. Meehan who had a large coach with four horses in waiting to convey the party to the nurseries, where on arrival they were welcomed by the head of the firm, the venerable Thomas Meehan, who told his visitors that he would like to go around with them, but as he was 80 years of age, his legs were not equal to the task; and so he must leave the entertaining to the young members of the firm. The visitors were then taken around some of the most interesting parts of the nursery, and after a rest on the lawn under the fine shade trees, the extensive herbaceous borders were inspected. Then all were taken to the old Meehan homestead, where an elaborate lunch was served. After lunch Mr. Shore, on behalf of the visitors, thanked the Messrs. Meehan for their hospitality, to which Thos. B. Meehan responded. The party, after bidding adieu to Thomas Meehan, again entered the large coach and were driven down the Wissahickon; the route taken was through Pelham up to the Wissahickon Inn, and then down to the drive, which was traversed for about 10 miles to the Green street entrance of the park. The visitors were much surprised at the grand scenery along the Wissahickon. There were 20 gardeners of the association present, and they were accompanied by James W. Withers and Chas. Weber, of Weber & Don, New York. DAVID RUST.

Dover, Del.

The bedding-out season has been longer this season than usual, owing to the protracted drought. Taken all in all, trade has been satisfactory and shows a marked increase over previous years. There was a noticeable increase in the call for cannas and tuberous-rooted begonias; the latter will become quite popular. Palms, too, sold well. Verbenas, coleus and centaureas moved slowly. Outside stock has started off to make nice growth, but the plants are not as large as they should be, owing to the dry weather. A wealthy lady is laying out and planting a beautiful public park here, at her own expense. It is situated on the borders of a most picturesque lake.

J. C. Baker, the florist, has had a vacant piece of unsightly land, adjoining his greenhouse, ploughed up and made into a very attractive flower garden, where all his stock plants are put in very attractive flower beds.

H. Y.

Ithaca, N. Y.

Never before has spring stock been so well cleared up. Geraniums had first call. Palms and the Boston fern are still selling well.

The Bool Floral Co. have moved their store two doors up the street, and are to have a single plate glass front put in. Arthur H. Bool, the manager of the company, was married on the 11th inst. to Miss Carrie B. Storm, the wedding taking place at the home of the bride's parents at Owego, N. Y. Many very handsome presents were sent, and the best of friends in the craft wish the young couple a happy and prosperous life.

Carnations, violets and other outdoor stock are making an excellent growth and promises well for fall housing.

H. Y.

Falls City, Neb.

Hail stones, weighing 10 ounces, and 13 inches in circumference, wrecked, last week, the houses of B. Simanton. He was insured in the Florists' Hail Association.

There's only one New York, one New York Florists' Club, and once in a decade that these two get an opportunity to entertain the S. A. F. That the combination will make the most of it goes without saying.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,

LOCKLAND, OHIO.

Mention the Florists' Exchange when writing.

WHILLDIN POTTERY CO.
STANDARD

BRANCH WAREHOUSES
KEARNEY AND WESTSIDE AVES., JERSEY CITY, N. J.
JACKSON AVE. & PEARSON ST., LONG ISLAND CITY, N. Y.

FACTORY. 713-719 WHARTON ST. PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

IF YOU WANT A

GOOD SASH LIFT

For a Very Little Money Get



THE "NEW DEPARTURE" VENTILATING APPLIANCE

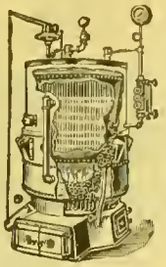
For Descriptive Catalogue Send to

J. D. CARMODY, EVANSVILLE, IND.



...THE...

Gorton Side Feed Boiler



Is specially constructed so that it will maintain a steady fire all night without attention, which is a very important item to be considered in selecting a greenhouse boiler.

Send for Catalogue and investigate for yourself.

GORTON & LIDGERWOOD CO.,
96 Liberty Street, New York. Mention this paper

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HOT-BED . . . :
GREENHOUSE . . :
VENTILATOR . . : **SASH**

Gulf Cypress Bars.

GREENHOUSE MATERIAL.

GET OUR PRICES BEFORE BUYING **GREENHOUSE GLASS!**

MANUFACTURED BY **S. JACOBS & SONS,** NEW FACTORY, FLUSHING AVENUE, near METROPOLITAN AVENUE, BROOKLYN, N. Y.
P. O. ADDRESS, METROPOLITAN, N. Y.

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GLASS FOR GREENHOUSES, GRAPERIES, CONSERVATORIES, AND HOTBEDS. **GLASS**

VANHORNE, GRIFFEN & CO.,
French and American Glass. 40 TO 48 VESTRY ST. COR. GREENWICH ST. **NEW YORK.**

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The Agricultural Drain Tile made by JOHN H. JACKSON, ALBANY, N. Y., are the VERY BEST that long experience, thorough equipment and superior clay will produce. Tile drained land is the earliest, easiest worked and most productive. Make also Sewer Pipe, Chimney Tops, Red and Fire Brick, Oven Tile and Supply Mortar Colors, Cement, Plaster, Lime, etc. Write for what you want. 99 Third Ave.

ROUND TILE

Mention the Florists' Exchange when writing.

SUMMER IN WINTER
By Using
Standard Greenhouse Boilers
One cent gets our Catalogue.
GIBLIN & CO., - Utica, N. Y.
Mention the Florists' Exchange when writing

ORMSBY'S VENTILATING SYSTEM
MELROSE, MASS.



Evans Improved Challenge
Roller bearing self-oiling device, automatic stop, solid link chain makes the IMPROVED CHALLENGE the most perfect apparatus in the market.
Write for catalogue and prices before placing your orders elsewhere.
Quaker City Machine Co.,
RICHMOND, IND.
Mention the Florists' Exchange when writing.

CYPRESS
IS MUCH MORE DURABLE THAN PINE.
CYPRESS SASH BARS
UP TO 32 FEET IN LENGTH OR LONGER.
GREENHOUSE AND OTHER BUILDING MATERIAL.
Send for our Illustrated Book
"CYPRESS LUMBER AND ITS USES."
Send for our Special Greenhouse Circular.
THE A. T. Stearns Lumber Co.,
Neponset, Boston, Mass.

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Steam and Hot Water **HEATING**
Perfectly installed by
H.W. GIBBONS, 136 Liberty St., New York.
CATALOGUES 4 CENTS.
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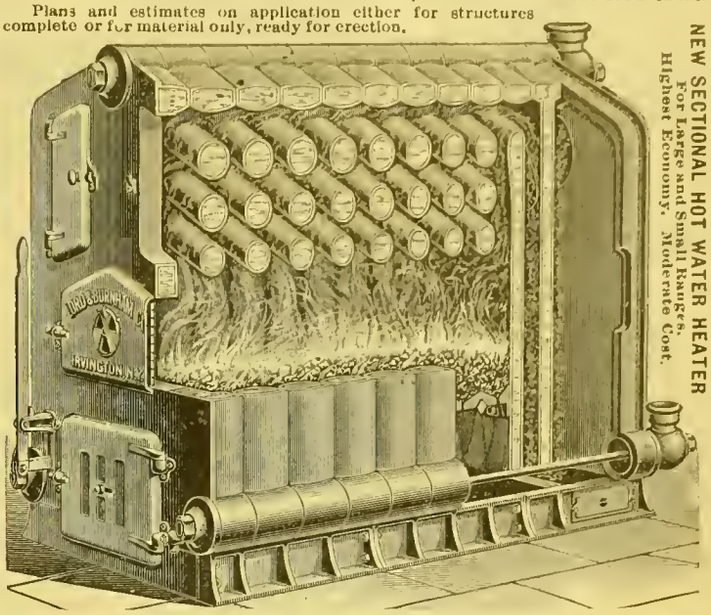
BOILERS
WE MAKE A SPECIALTY OF
Greenhouse Heating
WRITE FOR OUR NEW CATALOGUE
DEAN BOILER CO., Pearl Street, BOSTON, MASS.
Mention the Florists' Exchange when writing.

HORTICULTURAL ARCHITECTS and BUILDERS
AND MANUFACTURERS OF
HEATING AND VENTILATING APPARATUS.
Greenhouses and Conservatories erected complete with our Patent Iron Construction.
Plans and estimates on application either for structures complete or for material only, ready for erection.



NEW SECTIONAL HOT WATER HEATER
For Large and Small Ranges.
Highest Economy. Moderate Cost.

Greenhouse Construction Catalogue; also Greenhouse Heating and Ventilating Catalogue mailed from our New York office on receipt of five cents postage for each

LORD & BURNHAM COMPANY,
NEW YORK OFFICE:
St. James Building, Broadway and 26th St.
GENERAL OFFICE AND WORKS
Irvington-on-the-Hudson, N. Y.

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KAY'S WOOD PRESERVATIVE This preparation is guaranteed to double the life of lumber used in construction of flower benches, etc., 50c. per gal.
KAY'S SPRAYING HOSE A high-grade Linen Hose rendered absolutely impervious, by a special process, to the action of chemicals used in spraying, 4c. per foot.
PIPE Wrought Iron Pipe, Valves, Cocks, Fittings, etc., for Steam and Hot Water; Rubber Hose, Pumps and Well Points.
WM. H. KAY, 42 Dey Street, New York.

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Send for Catalogue.

JENNINGS BROS.,
GREENHOUSE DESIGNERS AND BUILDERS
Manufacturers of and dealers in
GREENHOUSE SPECIALTIES.
Patent Iron Bench Frame Fittings. Improved Cast Iron Gutters and Plates.
Valley Gutter and Drip Conductor, 54c. per ft.
" " without " 40c. "
JENNINGS BROS., Olney, PHILADELPHIA, PA.

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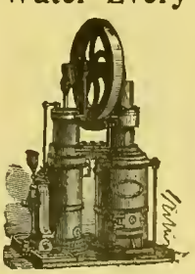
Mention this paper.

Standard Ventilating Machine
...HAS POSITIVELY NO EQUAL FOR...
STRENGTH, DURABILITY and NEATNESS.
Guaranteed for 10 years. Has a solid wheel and shaft cast in one (malleable iron). No slipping on Line Shaft as the case with all others. Catalogue free.
.....E. HIPPARD, Youngstown, Ohio.

Mention the Florists' Exchange when writing.

Water Every Day in the Year for Flowers and Lawns
WHEN
RIDER or ERICSSON
HOT AIR PUMPS
ARE USED.
Nearly 25,000 sold during the past 25 years.
Send to nearest office for Catalogue "X."





Rider-Ericsson Engine Co.,
19 Cortlandt St., New York. | 86 Lake Street, Chicago.
239 Franklin Street, Boston. | 40 N. 7th St., Philadelphia.
692 Craig St., Montreal, P.Q. | 22 A Pitt St., Sydney, N.S.W.
Teniente-Rey 71, Havana, Cuba.

Mention the Florists' Exchange when writing.
Mention the Florists' Exchange when writing.

TOBACCO INSECTICIDES.

Stems, fresh packed, bale or case of 300 lbs., $1.50.
Dust, fresh ground.....100 lbs., $2 25; 200 lbs., 3.50.
Extract.....gallon, $1 25; 5 gallons 4.25.
Nikoteen .....$1.50 per pint; 5 pints, 7.00.
Soap..... 30c. per lb.; 25 lbs., 5.00.
Full line of Insecticides and Appliances.
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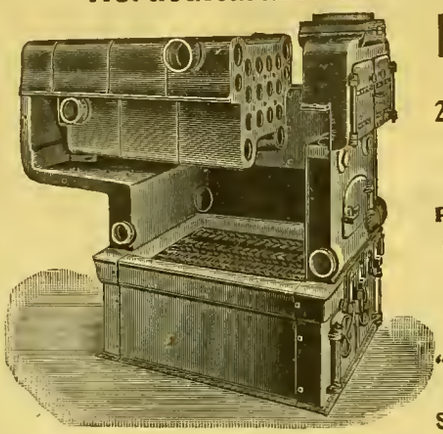

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Bulbs	5-7 inches in circumference	$1.50 per 100;	$12.50 per 1000.
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Trimardeau or Giant Pansies. Beautiful class of vigorous, compact growth, flowers of enormous size. Per pkt., 25 cts.; per ⅛ ounce, 50 cts.; per ounce, $3.50.

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The very finest of the improved Obconicas; large-flowering and choice colors, truly grand, 1000 seeds, 50 cts.

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Calceolaria, Giant, per packet, 25 cts.

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Just Arrived **LILIUM HARRISII**

Sound, Ripe Bulbs, as Healthy as are grown on the Island.

BERMUDA LONGIFLORUM. Comparatively **free from disease,**

Free Samples and close prices on all Bulbs mailed free on application.

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	100	1000
White Flowered Bermuda—		
Mammoth Bulbs	$0.90	$8.00
Choice "	.75	6.50
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Strong Bulbs	.65	6.00
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New crop from an English specialist, $7.50 per 100 lbs.

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Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Cincinnati, O., President; F. W. BOLGIANO, First Vice-President; S. G. COURTEEN, Milwaukee, Wis., Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

New York.—Mr. James Shiels, member of the firm of Nimo & Blair, seed merchants, Dunedin, New Zealand, is registered at the Murray Hill Hotel. Mr. Shiels is on a trip round the world, and sails for Europe in a few days.

Long Island Seed Crops.—The harvest is nearly completed, and there is sufficient to show that our predictions regarding the damage from drought were correct; but the damage has been far greater than we expected. The kale crop will not be one-half of what we were assured three weeks ago, and not one-fifth of what the plants promised us when in flower. To show the effect of the drought, we will say that an uncommonly early piece, which was in the seed pod before the general crop came into flower, has given us a yield of twelve hundred to the acre, while the same variety that was nearly two weeks later in coming into flower will give us a yield of not more than one hundred and fifty pounds to the acre.

The cabbage seed crop has suffered badly, but not to so great an extent; while the yield per acre is considerably above the average, we shall not have more than two-thirds as much as we had reason to expect three weeks ago. The seed will be small, as hard as shot, but of very high germinating power.

The bean crop on Long Island is looking better than we could expect in such dry weather. The pods are short, but well filled, and the plants show no signs of wilting nor any serious check in growth. We confidently look for twenty bushels to the acre.

European Notes.

A cold, wet spell has spread over nearly the whole of Italy, at a time when onions and flower seeds are in the most critical stage. They have been doing extra well for the past three weeks, and are full of vigor, so we hope for the best. France and England are bathed in glorious sunshine, and crops are maturing in good shape. We are about three weeks later than last year, particularly with our annual crops.

As the Sweet Pea Conference approaches we expect more visitors. At present we have in our midst Mrs. J. C. Vaughan and her son, John H. Allan, Pictou, and Thos. Rennie, Toronto. EUROPEAN SEEDS.

The Onion Outlook.

Editor Florists' Exchange.

Upon my return from California last week I was shown the FLORISTS' EXCHANGE, which had reprinted the interview with me published in a Los Angeles paper early in June. The fact is that this interview being published now might tend to mislead the trade as to the onion outlook. I hasten, therefore, to write you that that portion of the interview relative to the onion seed prospects was based entirely upon the very blue letters we had received from onion growers throughout California prior to my arrival there, and before I had personally inspected the crops. I found, however, that practically all the growers were rejoicing in a great change for the better, and my own opinion to-day would be that, with the exception of but few varieties, existing contracts will be filled nearly in full.

Philadelphia. W. ATLEE BURPEE.

BRIEFS FOR BUSY FLORISTS.

CHRYSANTHEMUMS in pots should now have their last shift. There is no need for overpotting them at this time, and if they receive a shift into a two-inch larger sized pot than they are in at present, it will be amply big enough for them. Pinching must be discontinued, and each shoot should be allowed to go ahead, tying them up to a stake as soon as support is needed by them. An occasional dusting with tobacco will keep the green or black fly down. This and the persistent use of the hose pipe on the plants will keep them clean. Grasshoppers will soon be making their appearance; and as no insecticide will touch these they must be taken off by hand-picking. Fortunately, they do not enter a house in large numbers, and by disturbing the plants by shaking them, the grasshopper is easily found.

Don't be too hasty in applying liquid manure to the roots; wait until the buds have been taken before starting to feed the plants.

ROSES that are being held over for another season's work should be gradually approaching the dormant stage by this time. Do not try to dry them down suddenly; if that be done, they will be no earthly use afterwards. Syringe them lightly every two or three days, being careful at the time that as little water as is possible penetrates the soil.

PANSIES, for early or Winter blooming, should be sown early in August. Prepare the bed thoroughly by digging in plenty of well-rotted manure; make the soil moderately firm, and sow in drills or rows, transplanting when large enough to handle and replanting them on the greenhouse bench in October or the latter part of September. If pansies are only wanted for selling as plants in early Spring, the sowing of the seed may be deferred a couple of weeks yet, and the plants be gotten large enough to withstand the Winter where they are sown, if a little protection in the shape of straw or leaves be given them.

BEGONIA GLOIRE DE LORRAINE. As a flowering begonia this is a marvel, and no florist should be without it. Cuttings taken now root readily. When growing on the young plants the most serious thing to guard against is their damping off. If plants are watered late in the day, and the foliage remains wet through the evening, a damping off is the result, and the young plant is gone. Keep them rather on the dry side at all times. Water in the forenoons; avoid a moist atmosphere in the house through the night, and this charming begonia will thrive as well almost as any other variety.

ANY LATE ASTERS that are yet to be planted should be got out at once. They may be planted closer together than the earlier set out ones, as it is not to be expected that they will make as large growth as the latter.

ALTERNANTHERAS. If the stock plants of these are at all limited, it would be well to take a batch of cuttings from them at this time. A corner of a cold frame can be utilized as a propagating bed by spreading sand to a depth of a few inches and making it firm before putting in the cuttings, keeping them shaded until rooted.

PAMPHLETS RECEIVED

We beg to acknowledge receipt from Messrs. Carter & Co., London, Eng., of copy of a paper, prepared by one of the firm's staff, on the history of the sweet pea, brought down from 1696 to the present day.

PHOTOGRAPHING FLOWERS AND TREES.—The April, 1900, number of the Photo-Miniature, publishers Tennant and Ward, 289 Fourth avenue, New York, contains an excellent article on this subject, written by J. Horace McFarland, who is well-known in the trade for his intelligent photographic work and technical knowledge on this subject. We advise all interested in this fascinating pastime to secure a copy of the magazine in question. The price is 25c.

POTTED STRAWBERRY PLANTS IN 2 INCH POTS.
Ready July 20th. Send for Prices and List.
ROSES, Bride, Bridesmaid, American Beauty, and fifty other varieties. See list in issue of June 23. Also CLEMATIS PANICULATA and HONEYSUCKLES in 4 inch pots.
THE ELIZABETH NURSERY CO., Elizabeth, N. J.
Mention the Florists' Exchange when writing.

Firms Who Are Building.

NORTH ADAMS, MASS.—George H. Phelps will build two additional greenhouses, each 18 x 60 feet, for carnations.

KINGSTON, N. Y.—Charles B. Stow is rebuilding six of his greenhouses on Broadway.

WESTBOROUGH, MASS.—Arthur George is removing the greenhouse on Summer street to land purchased by him near Lymnn School. Albert H. Brown is erecting two new greenhouses.

CALIFORNIAN SEEDS
Contract Prices for 1900 Harvest on Application.
WHOLESALE ONLY.
PERRY WATSON & CO., Sacramento, Cal.
Mention the Florists' Exchange when writing.

Pansy Seeds Fresh crop, Vautier's mammoth; it is the best strain in every respect; 120 varieties, colors, and markings mixed; flowers are often up to 4 inches in diameter and smell like violets; 3000 seeds, $1.00; 1 oz., $4.00.
Shellrock Greenhouses, Grange P. G., Balt., Md.
Mention the Florists' Exchange when writing

PANSIES
From Seed Bed, $3.50 per 1000.
A Good assortment of **Hardy Plants** in Spring and Fall, such as Coreopsis, Veronica, Iris, Funkia, Lemon Lily, Aster, Phlox, Helenium A. Superbum, Lychnis, Larkspur, Digitalis, Antirrhinum, Myosotis, Mist and other hardy stock. Cash with order, please.
W. C. JENNISON, Natick, Mass.
Mention the Florists' Exchange when writing.

Pansies Worth Raising
SEED AS USUAL
1/16 oz.....$1.00
1 oz..... 4.00
CHR. SOLTAU, 199 Grant Avenue, **Jersey City, N. J.**
Mention the Florists' Exchange when writing

XXX PANSY SEED
If you want the finest large and fragrant Pansy flowers, try **Woodbury's Noted Seeds.**
SEVEN PKTS. (700 seeds), FINE ASSORTED, 50c.
Finest German and Giant Flowered French strains, blended or either separate, 2000 seeds, **50c.**; ¼ oz., **$1.00**; oz., **$4.00.** List free.
DAVID B. WOODBURY, South Paris, Maine
Pansy Specialist.
Mention the Florists' Exchange when writing.

ESTABLISHED 1802
THORBURN'S SEEDS
We have still left some fresh seeds of the following PALMS in fine condition:
KENTIA FORSTERIANA
per 1000, $4 00; 500 to 1000, $3.50; 10,000 and over, $3 00.
—ALSO—
CYCAS REVOLUTA STEMS
in assorted sizes, 3 lbs. to 12 lbs., $3 per 100 lbs., while unsold.
J. M. THORBURN & CO.
Late of 15 John Street
36 CORTLANDT STREET, NEW YORK
Mention the Florists' Exchange when writing.

PANSY SEED Fine strain, $1 per ounce. Trade pkt., $1.
DALY BROS., Wholesale Florists, **New Durham, N. J.**
Mention the Florists' Exchange when writing.

ROEMER'S SUPERB PRIZE PANSIES
The finest strain of Pansies in the World.
Introducer and Grower of all the leading Novelties
Highest Award, International Exhibition, Hamburg, 1897. Catalogue free on application.
FRED. ROEMER, Seed Grower,
QUEDLINBURG, GERMANY.
Mention the Florists' Exchange when writing.

SCHMIDT'S PANSIES
HAVE NO EQUAL.
New crop now ready; no matter what you pay, you cannot get a better strain; ¼ oz., $1.25; ½ oz., $2.00; oz., $4.00.
J. C. SCHMIDT, Bristol, Pa.
Mention the Florists' Exchange when writing.

PANSY Giant Trimardeau, fine mixed, trade pkt., 25c.; oz., $2 00; lb., $20. Giant, fine mixed, oz., $4 00; Giant Yellow, oz., $2.50 Mme Perret, the finest giant pansy in the market, trade pkt., 25c.; oz., $4.00. Mlle. Cecile Davy, the purest white, trade pkt., 25c.; oz., $4.00. Giant Bugnot, oz., $3.00; Giant Cassier, oz., $3 50; Excelsior Novelty, pkt., 50c. Cineraria, fine mixed, trade pkt., 25c. Primula Chinensis, fine mixed, trade pkt., 25c. Ten separate colors of primulas, trade pkt., 50c. Colored plate of pansy Mme. Perret by mail, 15c.
BEAULIEU, Walker Av., WOODHAVEN, N.Y.
Mention the Florists' Exchange when writing.

VAUTIER'S
MAMMOTH PANSY
New crop seed now ready. This is the largest and finest Pansy ever offered. We have testimonials from florists from all parts of the U. S praising its size and merits. Trade packet, $1.00; oz., $4.00.
H. G. FAUST, 64 and 66 N. Front St., **Philadelphia, Pa.**
Mention the Florists' Exchange when writing.

SEED!=PANSIES=SEED!
Roemer's Superb Prize Pansies.
Improved strain, new crop ready now. (My own growing.) This new mixture is saved from the very finest selected plants from all leading novelties of art colors, without doubt the finest strain in the market to-day.
Mixed, per pkt. of 3000 seeds $1; ¼ oz., $1.50; ½ oz., $2.50; 1 oz., $5.00. Cash with order.
PETER BROWN, Lancaster, Pa.
Grower of extra fine Pansies.
Plants Ready September 15th.
Mention the Florists' Exchange when writing.

PANSIES
The Jennings Strain
Of large flowered show and fancy Pansy Seed. New crop now ready. My 1900 Strain cannot be excelled, and is sure to give the highest satisfaction.
Finest Mixed, pkt., $1.00; ½ oz., $2.50; 1 oz., $5. Yellow, White, Blue and Black, in separate colors, 50c. per pkt., postpaid. Small Pansies, 60c. per 100, by mail.
Cash with order.
E. B. JENNINGS, Lock Box, 254, **Southport, Conn**
Grower of the finest Pansies.
Mention the Florists' Exchange when writing.

HERR'S PANSIES
ALWAYS THE BEST and better every year.
They sell themselves. Try a hundred as an experiment.
Plants only, and ready October 1st to January 1st. Free by mail, 75c. per 100; 250 for $1.50; 500 for $2.50.
By Express, at your expense, $4.00 per 1000.
ALBERT M. HERR, Lancaster, Pa.
Mention the Florists' Exchange when writing.

STRAWBERRIES Pot-grown, immediate delivery. Prices upon application.
EVERGREENS For August planting, in fine assortment.
MANETTI For grafting for December delivery.
HARDY NURSERY STOCK Of selected quality.
ROSES For forcing.
Correspondence a Pleasure.
HIRAM T. JONES, Union County Nurseries, Elizabeth, N. J.
Mention the Florists' Exchange when writing.

CELERY All leading varieties, extra stocky plants, at $1 50 per 1000. **Cabbage Plants,** 5 varieties, fine plants, $1.00 per 1000
J. C. SCHMIDT, Bristol, Pa.
Mention the Florists' Exchange when writing.

CRYPTOMERIA JAPONICA JAPAN CEDAR.
THE NOVELTY DECORATIVE PINE.
Everybody wants it. There is money in it. Strong plants, from 2 inch pots, $5.00 per 100, or 20 for $1.00, by ex, rees. **SMILAX,** from 2 in. pots, $1.25 per 100.
SATISFACTION GUARANTEED.
E. I. RAWLINGS, Quakertown, Pa.
Mention the Florists' Exchange when writing.

EDWARD B. JACKSON,
Wholesale Florist.
Hardy Herbaceous Plants Only
In any quantity for the least money.
STAMFORD, CONN.
Mention the Florists' Exchange when writing.

STRAWBERRY PLANTS
100,000 pot-grown plants. New and old varieties. Send for circular.
Jas. McColgan & Co., Atlantic Highlands, N.J.
Mention the Florists' Exchange when writing.

500,000 CELERY 6 varieties, strong field-grown plants, $1 per 1000; strong, selected, stocky plants, $1.50 per 1000.
Cyclamen giganteum, finest strain, in 5 colors, mixed, strong, 2½ in., $4.00 per 100.
Asparagus Sprengeri, strong, 3 in., $4.00 per 100; **Plumosus Nanus,** strong, bushy, 2½ in., $5.00 per 100.
Sievia, for Winter flowering, strong, bushy, 2½ in., $3 00 per 100.
Violets, healthiest stock in the country, strong, 2½ in., $2 50 per 100; fine clumps, August and September delivery, $4 00 per 100. CASH.
WM. S. HERZOG, Morris Plains, N. J.
Mention the Florists' Exchange when writing.

SURPLUS FOR SPRING 1900
Can yet do **PEACHES** and **JAPAN PLUMS** in limited quantity; also **MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY STRAWBERRIES** from best leading varieties.
Prices for same given upon application.
MILFORD NURSERIES, Milford, Del.
ALEX. PULLEN, PROPRIETOR.
Mention the Florists' Exchange when writing.

CELERY and CABBAGE
CELERY Pink Plume (extra strong), Golden Self-Blanching, Giant Pascal, Goldeo Heart, New Rose, and other varieties, 15 cts. per 100; $1.00 per 1000; $8.50 per 10,000.
CABBAGE H. Succession, Second Early, Premium Flat Dutch, Late Drumhead, Savoy, and other vars., 15 cts. per 100; $1.00 per 1000; $8.50 per 10,000.
KALE Dwarf Green Curled Scotch, same price as Cabbage.
If any of the above plants by mail, add 10 cts. per 100.
Cash with order.
R. VINCENT, JR., & SON, White Marsh, Md.
Mention the Florists' Exchange when writing.

FRUIT and ORNAMENTAL TREES,
Shrubs, Vines and Roses
Write for price list or send your lists of wants for special prices.
W. & T. SMITH CO., Geneva, N. Y.
Mention the Florists' Exchange when writing.

P. OUWERKERK
1123 Summit Ave., Jersey City, N. J.
Just received from our Holland Nurseries
RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM,
PÆONIES, BLEEDING HEART,
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.
PRICES MODERATE.
Mention the Florists' Exchange when writing

FOR FALL DELIVERY.
FIELD-GROWN ROSES, CLEMATIS, ORNAMENTAL SHRUBS, TWINING PLANTS, Etc.
Our representative, **J. Austin Shaw,** will be in Omaha, Kansas City and St. Louis this week, and letters will find him, care General Delivery, St. Louis, Mo., until July 22d.
JACKSON & PERKINS CO., Newark, New York.
Mention the Florists' Exchange when writing.

RHODODENDRONS
Native Rhododendrons; well furnished plants, all sizes. Prices on application.
A. E. WOHLERT, Altoona, Pa.
Mention the Florists' Exchange when writing.

F. & F. NURSERIES SPRINGFIELD, NEW JERSEY.
Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.
Mention the Florists' Exchange when writing

THE STORRS & HARRISON CO., Painesville, Ohio.
Desire to call the attention of Florists and Nurserymen to their 40 acres of **HARDY ROSES,** their complete assortment of **FRUIT** and **ORNAMENTAL TREES** and **SHRUBS,** and their 44 Greenhouses of **ROSES, PALMS, FICUS, FERNS, ETC.**
Correspondence and personal inspection solicited. Trade List and Catalogues free
Mention the Florists' Exchange when writing

ANDORRA NURSERIES
WILLIAM WARNER HARPER, Prop., Chestnut Hill, Philadelphia, Pa. **SPECIALTIES:** Large Specimen Ornamental Trees. Large Hardy Rhododendrons and Azaleas.
Mention the Florists' Exchange when writing.

TREES Fruit Trees, Small Fruits, including grapes. Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.
ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. **Rochester, N. Y.**
Mention the Florists' Exchange when writing.

Pittsburg.

Business Bits.

Trade has quieted down a little the past week, and but for funeral work it would have been very slow indeed. Roses and carnations show the effect of the hot weather, also sweet peas; but other stock such as lilies, asters and gladiolus are in good shape. Asters are quoted at from $1.25 up per 100; gladiolus, as high as $6, but will soon be less. J. Semple is cutting some fine stock, which finds ready sale.

Jottings.

The growers all have their hands full, making repairs; many of them expect to go to the Convention and want their work all completed before leaving. Very little new building is doing this season, for material and labor are too costly. John Bader is erecting a fine residence for himself on his place at Mt. Troy and intends to occupy it this Fall.

Hartman Bros., of Allegheny, have quit the florist business, sold out their place and moved to Warren, Ohio, on a fine farm.

Railroad rates to the Convention remain firm. It is a pretty hard matter to get any concession east of Pittsburg. So far no change has been made regarding rates and routes from those given in my last week's notes. The Atlantic City excursion rate of $10 seems to be the one preferred by the majority of the members going. Between 30 and 40, including ladies, will be the size of our delegation.

The sixth annual picnic of the Florists' Club takes place Wednesday, August 1, at Ross Grove, where it has been held heretofore. The committee in charge has made all arrangements, and everything gives promise of a good time for all attending. Sports of all kinds, for which prizes will be given—the regular base ball game, dancing and other amusements—are on the list; so don't fail to come, and if any member desires to take a friend or two, not members of the club, he should apply to the secretary for invitations. Liquid and solid refreshments will be served. Take Sharpsburg and Aspinwall street cars to end of line, where wagon will be found going to picnic ground about a quarter of an hour's walk distant.

E. C. R.

CELERY
Fine, stocky plants, transplanted.
WHITE PLUME, GOLDEN SELF BLANCHING
BOSTON MARKET.
10c. per 100; $3 50 per 1000.
E. B. JENNINGS, Southport, Conn.
Mention the Florists' Exchange when writing.

EVERGREEN!
An **IMMENSE STOCK** of both large and small sized **Evergreen Trees,** in great variety. Also **Evergreen Shrubs.**
CORRESPONDENCE SOLICITED.
THE W. H. MOON CO., Morrisville, Pa.
Mention the Florists' Exchange when writing

THE PINEHURST NURSERIES,
OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.
Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda nitida, Fothergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Dioneæ muscipula, Lupinus diffusus, Phlox suhulata, Sarracenias, etc., etc. **Ask for Trade Lists.**
Mention the Florists' Exchange when writing.

GODFREY ASCHMANN,
1012 Ontario St., Philadelphia, Pa.,
General Agent for the United States for the sale of products from
OMER VAN DEN PLAS, Horticulteur, Loochristy, les Gand, Belgium,
Offers a large stock of **AZALEAS, RHODODENDRONS, ARAUCARIAS, PALMS, ETC.,** at lowest rates. Send for prices. All orders must be addressed to me only.
Mention the Florists' Exchange when writing.

Yucca Filamentosa
Fine, large plants, **$10.00 per 100.**
SAMUEL C. MOON, Morrisville, Pa.
BUCKS CO.
Mention the Florists' Exchange when writing.

Cincinnati.

Trade Notes.

Business still remains fair for this time of year, and more stock could be disposed of if it could be secured, carnations especially being scarce. Roses are still coming in in limited quantities and are selling at 2c. and 3c. each. Asters are commencing to arrive, and meet with ready sale at 2c. and 3c. During the past week we have had some fine rains that are making things move, and have cooled off the temperature.

Jottings.

Don't forget to vote for Buffalo. Paste this in your hat before you get to New York.

Richard Witterstætter, Albert Sunderbruch and Clarence J. Ohmer will probably comprise the delegation from this city to New York.

Many of our boys have been fishing this week, but all that I heard they caught was a bad cold and a few crawfish.

I understand that E. G. Hill has returned from Europe.

Miss Carrie Hoffmeister, Hon. Edwin Hoffmeister, and their father are now at the Sneaux Islands, Mich.; they report having a fine time and plenty of good fishing.

Miss Katherine Critchell leaves Friday for Lake Kegonsa, Wis., to spend the Summer.

A Victoria regia will be blooming at the city greenhouses in a few days. Supt. Critchell is very busy cleaning out the parks and getting ready for general repairs.

The Fall Festival is now assuming vast proportions and will be a grand success. The opening day is September 19, the exposition continuing ten days.

E. G. GILLETT.

Grand Rapids.

Torrid Weather and Trade.

We are having just about the hottest spell of torrid weather imaginable, and, excepting funeral work, business is at a standstill. This work has made a strong demand on a short supply of flowers, keeping the stock from wasting; in fact, very few flowers have been dumped so far this season.

Rose planting is about over. Nearly all the violets are also in the bench and, as a whole, are looking fine. The Grand Rapids violet crop promises to be an enormous one the coming season.

Carnations in the field are looking well and promise a fine crop. Rain has fallen just often enough to keep the plants in good growth.

We do not know yet how many will attend the New York Convention from here, but expect at least two or three, possibly more.

Carnations, although poor, fetch 15c. to 25c. per dozen; roses 75c. to $1 per dozen; sweet peas are plentiful at 10c. per dozen. The early crop of asters has been badly stung, and is almost a total failure.

Wencil Cuirskinsky, Superintendent of Parks, is dangerously sick.

G. F. C.

Omaha, Neb.

The Florists' Club held its annual picnic at Krug's Park, Friday, July 20. It was voted by all, the best that ever happened. The event of the day was the bowling contest. Two teams were chosen from the Club, and the side captained by J. F. Wilcox, of Council Bluffs, won each and every prize right handily. Lewis Henderson finds it necessary to carry a gun, having been captain of the losing team.

The Nebraska Horticultural Society will hold its regular Summer meeting at Geneva, this state, on July 25 and 26. L. Henderson, J. H. Hadkinson and G. W. Hervey will discourse on interesting subjects.

J. H. B.

Newark, N. Y.—Mr. E. Alvin Miller, of Jackson & Perkins Co., accompanied by his wife, sailed from New York the 14th inst., on the steamer "Pennsylvania," for Hamburg, intending to spend several months in Germany, Belgium and France. Mr. Miller is planning especially to visit the leading European rose growers.

Florist bowlers will have no end of fun—and hard work—in winning the many beautiful trophies at the New York Convention next month

C. H. JOOSTEN,

SPECIAL, CANE PLANT STAKES, 6 to 7 feet, per 1000, $6.00; per 250, $1.75.
KENTIA BELMOREANA SEED, per 1000, $4.50; per 3500, $14.00.
Catalogue of FALL BULBS and PLANTS on Application. 85 DEY STREET, NEW YORK.
Mention the Florists' Exchange when writing.

A BARGAIN for Somebody.

4000 ROSES All Bridesmaids, 3 in. pots, $6.00 per 100. This stock is worth one-third more money.

A few ADIANTHUM CUNEATUM, 6 and 7 inch pots. Cheap for cash.

JOSEPH BRADBURY, Irvington Ave., So. Orange, N.J.
Mention the Florists' Exchange when writing.

Baltimore.

Cut Flower Market.

There is a fair demand for roses and carnations; but both are scarce and of inferior quality. Flora Hill and Fisher are the prevalent carnations, Kaiserin and White Cochet the roses of the season.

All outside stock has suffered fearfully from the drought, sweet peas were the first to succumb. The field carnations show signs of fatigue and of red spider and thrips, especially Daybreak and Victor. Several thunderstorms brought us showers of rain; but not enough to penetrate six inches.

Changes in Business.

Messrs. Madson & Anderson, of Govanstown, have dissolved partnership, Mr. Madson retaining the old place. Mr. Anderson is building two fine new houses for Beauty and greens on an adjoining lot. These two genial gardeners have been the most successful rose growers about here. Messrs. Fisher & Ekas have separated; Henry Fisher continues on the old place.

Firms that Are Building.

Messrs. S. Feast & Sons are adding a modern house, clipper bars, short span to the south, to be occupied by chrysanthemums, and later by carnations.

Henry Eberhardt, of Catonsville, is rebuilding and adding to his glass. His son Gus will take the place.

S. B. Sands is again adding to his houses. He now has one of the best-equipped places around this city, and is very successful with carnations and roses.

I. Moss, of Govanstown, is reported to have purchased a large quantity of glass —for new houses?

R. Kaiser, Annapolis, is building a large violet house and overhauling others.

Random Notes.

American glass, florists' sizes, seems to be scarce in the market.

John Cook has a promising seedling of Asparagus Sprengeri x A. decumbens. As far as can be judged by the small plant, it retains the character of A. Sprengeri, but is more loose and airy in appearance. Mr. Cook has also succeeded in propagating a white variegated Sprengeri from seed borne by a fine old specimen. A few new German carnations are undergoing trial, and promise well.

At Annapolis, Mayor Seidewitz is busy spending $120,000 for pavements, and planning other improvements befitting the capital of one of the most prosperous states of the Union. But Seidewitz is a florist before all, and if his public duties have imposed additional work upon him, his working capacity must have developed accordingly, for his business is not suffering any decrease of personal attention. He is planning extensive enlargements. Though he has his hands full, he finds time for everything, even for recreation and fun. He thinks that the secret of happy and successful life lies in wisely dividing one's time between work and recreation. When on New Year's Day he called, in his official capacity, on the Governor of Maryland, the latter, absorbed in conversation with friends, went up to him and, seizing his hand, said: "Say, Seidewitz, is this a good time to trim trees?" He emphatically rejoined: "No, Governor; this is the time to drink punch!"

M. A. Hantske has for 18 months past filled the post of gardener at the Naval Academy at Annapolis, and expects to have a few modern houses built this season, his work being well appreciated. He can talk guns, drill and war as if to the manner born. T. E.

A grand trip up the Sound to Glen Island, the most beautiful recreation spot in the vicinity of New York, on the Thursday of the Convention. Of course *you'll* take it in.

ROSES! ROSES!

Extra strong plants from 1 inch pots.

'MAIDS and BRIDES, $5.00 per 100.

CASH WITH ORDER.

ROBERT WILLIAMSON, New Durham, N.J.
Mention the Florists' Exchange when writing.

METEOR ROSES.

3½ inch pots, per 100, $4.00; per 100, $37.50.

Potted and repotted 4 times. These plants are vigorous and unusually fine. Packed to safely ship any distance.

BRANT & NOE, Forest Glen, Chicago, Ill.
Mention the Florists' Exchange when writing.

ROSES

300 La France
500 Kaiserins
100 Gontiers
200 'Maids
250 Brides
200 Golden Gates
150 Perles

4 inch, nice plants, $5.00 per 100.

CASH WITH ORDER.

A. A. WHITBRED, - Altoona, Pa.
Mention the Florists' Exchange when writing.

FOR SALE—About 500 Surplus Stock

BRIDESMAID ROSES

In 3 and 4 in. pots, in good healthy condition.

Price, $5.00 per 100.

E. DICKENSON, P. O. Box 630, New Rochelle, N. Y.
Mention the Florists' Exchange when writing.

SPECIAL

4000 Fine Brides and Bridesmaids, from 3 and 3½ in. pots, at $4.00 per 100.

Smilax Seedlings, in Boxes, at $1.00 per box. CASH WITH ORDER.

JAMES HORAN & SON, Bridgeport, Conn.
Mention the Florists' Exchange when writing.

500 Bride, 500 Bridesmaid

Extra fine Rose plants, from 3 inch pots, at $4.00 per 100.

CASH WITH ORDER.

C KREUGER, - Narberth, Pa.
Mention the Florists' Exchange when writing

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS...
and Novelties in Decorative Plants.
Market and 49th Sts., PHILADELPHIA, PA.
Mention the Florists' Exchange when writing.

FORCING ROSES

	Per 100	Per 100
Brides	2½ in. $2.75;	
Bridesmaids	" 2.75;	
Perles	" 3.00;	3 in., $4.50
Sunsets	" 3.00;	" 4.50

Following 2½ Inch Pot Stock:

Prices per 100.

Marie Van Houtte, $2.25	Christine de Noue, $2.25
Duchess Brabant, $2.25	Marie Guillot, $2.25
Purple China, $2.25	Mrs. DeGraw, $2.25
Clothilde Soupert, $2.25	Yellow Soupert, $2.25
Maman Cochet, $2.25	White Maman Cochet, $2.25
Mme. F. Kruger, $2.75	Crimson Rambler, $2.75
Meteor, $2.75	Golden Gate, $3.00
La France, $3.00	Kaiserin, $3.00

Gruss au Tepitz, $5.00

Also 30 other varieties and Miscellaneous stock. Send for list.

2-year-old Crimson Ramblers, from 4 inch pots, $3.00 per 100. Per doz.

Large Compacta Ferns, from 8 inch pans..$6.00

Large Boston Ferns, from 10 inch pans.....10.00

NATIONAL PLANT CO., Dayton, Ohio.
Mention the Florists' Exchange when writing.

ROSE PLANTS

Meteor, Bridesmaid, Bride, La France } From 2½ and 3 in. pots, per 100, $3.00; per 1000, $25.00.

American Beauty and La France, bushes headed in open ground, per 100, $2.50; per 1000, $20.00.

The above is all clean, strong stock, ready for planting, no better to be had.

GEORGE REINBERG,
51 Wabash Ave., CHICAGO, ILL.
Mention the Florists' Exchange when writing.

IF YOU NEED ROSES
Send us your list for prices.
THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.
Mention the Florists' Exchange when writing.

ROSES

	2½ inch Per 100	2½ inch 1000	3 inch Per 100	3 inch 1000
Brides	$3.00	$25.00	$5.00	$45.00
'Maids	3.00	25.00		
C. Soupert	3.00	25.00	5.00	45.00
Meteor	3.00	25.00	5.00	45.00
Am. Beauty			8.00	75.00

Mixed Jardiniere Ferns Mostly Pteris varieties, $3.00 per 100; $25.00 per 1000.

Asparagus Sprengeri 2½ in., $1.00 per 100; $35.00 per 1000.

Asparagus Plumosus 2½ in., $6.00 per 100; $55.00 per 1000.

Adiantum Farleyense Fine stock, 6 in. pots, at 50 cts. each.

Smilax 3 in., $4.00 per 100.

Dracaena Terminalis 4 in., $15.00 per 100.

Phoenix Canariensis Elegant stock, 4½ to 5 in., $20.00 per 100.

Chamaerops Excelsa 5 in., $35.00 per 100. 4 in., $20.00 per 100.

J. B. HEISS, The Exotic Nurseries, Dayton, Ohio.
Mention the Florists' Exchange when writing

ROSES

Perle, Niphetos, Sunset, Souv. de Wootton, Kaiserin Augusta Victoria
Stroog clean plants, from 3 in. pots, $7.00 per 100; $65.00 per 1000.

Brides, Bridesmaid, Bon Silene, Duchess of Albany, Golden Gate, La France, Maid of Honor, Mermet, President Carnot
Strong, clean plants from 3 in. pots, $6.00 per 100; $55.00 per 1000.

LIBERTY 12 plants for.....$1 20
25 " " 2 50
50 " " 4 50
100 " " 8 00

READY FOR VIOLETS IMMEDIATE PLANTING.

Marie Louise, from 2½ inch pots, fine stock, $3.00 per 100; $25.00 per 1000.

CHRYSANTHEMUMS

Mrs. Barr, Metn, Silver Wedding, all fine varieties, strong plants, from 2½ in. pots, $5.00 per 100.

Autumn Glory	Black Hawk
Dorothy Devine	Eureka
Elvena	Golden Wedding
H. W. Longfellow	J. H. Woodford
H. L. Sunderbruch	Iora
Marcia Jones	Mrs. H. Weeks
Miss Helen Wright	Minnie Adams
Miss M. M. Johnson	Nemesis
Pitcher & Manda	Pink Ivory
Pride	Surprise
Ada Spaulding	Belle of Castlewood
B. M. Giroud	Helen Bloodgood
J. H. Troy	Major Bonnaffon
Mrs. S. Humphreys	Marguerite Graham
Mme. F. Bergmann	Minerva
Nivens	Riverside
Thos. H. Brown	T. H. Morse
	W. H. Lincoln

Strong plants from 2½ inch pots, $3.00 per 100; $28.00 per 1000

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.
Mention the Florists' Exchange when writing.

..ROSES..

2000 American Beauties, in 3 inch pots; very fine, healthy plants.

M. J. HOBAN, - - Nyack, N. Y.
Mention the Florists' Exchange when writing.

PHILADELPHIA ROSES

HIGH ART NOVELTIES

3 new Colors of Small Buds for Debutante Work—considered more Rare than Orchids. Stock is Limited. ORDER Early.

MYERS & SAMTMAN, CHESTNUT HILL, Philadelphia, Pa.
Mention the Florists' Exchange when writing

40,000 FIRST QUALITY FORCING ROSES!

READY FOR IMMEDIATE PLANTING.

Fully equal to those sent out the last eight years; first-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.

AM. BEAUTY, BRIDE, BRIDESMAID, MAID OF HONOR, METEOR, KAISERIN, SAFRANO, BON SILENE, PERLE. 3 in. pots, $7.00 per 100, 4 in. pots, $10.00 per 100

GRAFTED ROSES MAID OF HONOR, GOLDEN GATE, 3½ inch pots, $15.00 per 100. LIBERTY, 4 in. pots, $8.00 per doz; 50 plants, $24.00

Mention this paper. J. L. DILLON, Bloomsburg, Pa.

10,000

AMERICAN BEAUTY PLANTS

Fine stock, from 3 inch pots, $5 per 100; $40 per 1000.

	Per 100	1000
BRIDESMAID, 3 in. pots	$4.00	$35.00
PERLE, 3 in. pots	4.00	35.00
METEOR, 3 in. pots	$4.00	$35.00
GOLDEN GATE, 2½ in. pots	4.00	35.00
KAISERIN, 3 in. pots	4.00	35.00

PETER REINBERG, 51 Wabash Ave., CHICAGO
Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

SITUATION wanted in general greenhouse, by young man of limited experience, willing to work. Address V. F., care Florists' Exchange.

SITUATION wanted in general greenhouse, by single man, age 25; nine years' experience; good references. Eddie Aegerter, 101 Avenue B, N. Y.

POSITION wanted by German florist; 28 years' experience in all branches; can take charge. Address V. M., care Florists' Exchange.

WANTED a position as assistant foreman, by a sober, honest young man, age 25, single; place in western New York preferred; have had some experience. Address Chas. Walker, Bliss, N. Y.

SITUATION wanted, in Brooklyn or New York, as designer and clerk; 7 years' experience in all branches of the business; age 22 years. State wages by week. V. L., care of this paper.

FLORIST and gardener wishes engagement; 20 years' experience all branches, including Cemetery work; married; best references. Address V. T., care Florists' Exchange.

SEEDSMAN, with practical knowledge vegetable and flower seeds, plants and bulbs; reliable man of fixed business habits and long experience, backed by references. V. P., care Florists' Exchange.

QUICK young man, German, 20, 4 years' greenhouse experience, desires store position to learn decorating and designing. Box 471, Lakewood, N. J.

WANTED position as foreman in a smaller commercial place, or as assistant by a larger florist; well up in all branches of this business; 16 years' experience in this branch. Address E. H., care of Messrs. T. J. Grey & Co., 32 South Market Street, Boston, Mass.

BELGIAN, 30 years of age, wishes engagement as traveler for American importation house; has had long experience as above for leading London firms in Belgian, Holland and France. Life experience in horticulture; best references furnished from leading nurseries, where employed as foreman and salesman. H. Y. Stockmans, Dubois, Pa.

FLORIST—OPEN FOR ENGAGEMENT, first-class rose, carnation, violet and 'mum grower; has had charge of good establishments; good references. V. V., care Florists' Exchange.

SITUATION WANTED, BY A FIRST-class cut flower and plant grower; all round man, 26 years' experience; only those wanting an up-to-date man need answer. D. P. N., 249 N. 10th St., Philadelphia, Pa.

POSITION WANTED—LANDSCAPE gardener and florist, middle aged, thorough; can project plans and carry work to completion, can take charge of any establishment as grower; irreproachable references as to character and ability. Address V. S., Expert, care Florists' Exchange.

HELP WANTED.

COMPETENT seedsmen wanted in the city; state experience and reference. V. R., care Florists' Exchange.

WANTED—Florist clerk and designer; some knowledge of plants and seeds required; wages $12.00 per week. Apply in person. John Reck, Bridgeport, Conn.

WANTED—A porter in a seed and bulb house; must be conversant with the duties of shipping and packing; state reference. V. O., care Florists' Exchange.

WANTED a steady and sober, married man, experienced in general greenhouse work, growing cut flowers. Wages, $9.00 per week. Send references and particulars to H. C. Hansen, Ramseys, N. J.

WANTED—Man to take charge of 7 small greenhouses, growing chiefly ferns and small palms; located in New Haven, Conn.; good board near by. Address, stating wages and particulars, Champion & Co., New Haven Conn.

WANTED—A first-class plantsman; must be well posted on ferns, cyclamen, primulas and begonias, and a good propagator of general bedding plants; good reference required; state wages expected; a single man preferred. Apply to Wm. Nicholson, Pleasant Hill Conservatories, Framingham, Mass.

WANTED thoroughly first-class gardener to take charge of a large place in the Adirondacks; married man without children desired; must be capable of making improvements on grounds in accordance with plan furnished. Wages, $75.00 per month; house, vegetables and milk. Please do not apply unless requirements can be met as stated above. J. Wilkinson Elliott, Landscape Architect, Pittsburg, Pa.

Mention the Florists' Exchange when writing.

MISCELLANEOUS WANTS.

WANTED 3000 ft. of 10x12 glass, double thick, state price. George I. Laird, 3014 Fulton St., Brooklyn, N. Y.

WANTED—New Geraniums; send sample flower and leaf; also price per plant and per dozen. Address, N. M. Harburn, Box 157, Hensall, Ontario.

WANTED—A grower to furnish two to three thousand Carnations a week, in variety, from September on; weekly payments. C. F. Fairfield, Mgr., Springfield, Mass.

WANTED greenhouse material of all descriptions—pipe, boiler, sash, glass, pots, etc.; state size, quantity, how long in use, with lowest cash price f. o. b. J. Van Ostrand, Jr., Box 53, Hardonia, N. Y.

WANTED to buy, any good hardy herbaceous plants, new fruits, Logan berry, blackberries, etc., etc., in fact anything that is worth offering, that we have not on this side of the water. Collection of 2000 varieties perennials—descriptive catalogue free on application. Perry's Hardy Plant Farm, Winchmore Hill, London, N., England.

WANTED TO RENT AT ONCE—greenhouse plant of about 10,000 sq. ft., suitable for carnations and miscellaneous stock; in good order throughout. Long Island; not exceeding 15 to 16 miles from New York; L. I. City preferred. Address Bolind, Hollis, L. I., Box 17.

BUSINESS OPPORTUNITIES.

AN old establishment for sale; good retail trade, 10 greenhouses, 15 lots of land, small dwelling house. T. Y., care Florists' Exchange.

BARGAIN—3 greenhouses; 100 sash; 800 feet 2 inch, 1200 feet 4 inch, pipe; 3 boilers. J. A. Foster, 17 Mather street, New Dorchester, Mass.

FOR SALE—Private residence, suitably located for florist; house, 10 rooms; lot, 80x215, near cemetery; Hitchings' heater in house; at a sacrifice, owing to death in family; no agents. Will T. Danes Patchogue, L. I.

FOR RENT.—Three greenhouses, each 140x20 ft. hot water heating, city water, dwelling and stable if required; 14 miles from New York; suitable for growing roses and carnations; first-class retail trade. V. H., care Florists' Exchange.

FOR SALE—Place of 25,000 feet of land, ten miles out of Boston, with 72-foot greenhouse, a two-tenement house, stable, etc.; electrics pass door; three minutes from nearest R. R. station, five minutes from two others. For further particulars apply to F. J. Norton, 61 Mass. Ave., Boston.

FOR SALE—14,000 feet of glass, used mostly for roses; 4 acres of ground and 2 dwelling houses; 3 minutes from station, city improvements, hot and cold water, and good forcing water in greenhouses supplied by Summit Water Co. On account of illness with rheumatism, will sell whole or part interest. A. Harth, Millburn, N. J.

GOOD OPPORTUNITY.—Lease, with privilege to buy, four greenhouses: two 100x20, two 100x10, with ground; hot-water heating; good location; retail business; cut flowers and pot plants; 15 minutes from New York. Verbal applications preferred, with principals only. 676 Avenue E, Bayonne, N. J.

NOTICE—TWO GREENHOUSES, 100 ft. long, by 20 ft. wide, to rent, with portion of dwelling, to a reliable party, with good reference. Address Mrs. Cornelia A. Webb, Parkersville, Chester Co., Pa.

MISCELLANEOUS.

FOR SALE, some extra good second-hand 3-inch pipe, at 6c. per foot; also some 4-inch; secure it while it lasts. W. H. Salter, Rochester, N. Y.

FOR SALE—One Hitching No. 15 and one No. 3 Hot Water Boilers, in A1 condition; also a quantity of 3 and 3½ in. wrought iron pipe; cheap for cash. L. C. Holton, 321 School St., Bennington, Vt.

FOR SALE—Cheap: 220 feet 4 inch pipe; one No. 3 Scollay Hot Water Heater; lot of hot bed sash, all in good order. Call or address, J. H. Mackey, Port Washington, L. I.

FOR SALE—1600 FEET 4 INCH CAST-iron pipe, for hot water heating. Samuel J. Bunting, Elmwood Ave. and 58th St., Philadelphia, Pa.



New York.—As a meeting of the Florists' Club was called for Monday evening, the bowlers met in the afternoon. There was a good attendance, and the following scores resulted:

	1	2	3	4
C. Schenck	160	137	130	152
F. H. Traendly	141	138	138	117
H. Small	157	131	139	121
J. Roehrs	141	181	164	148
J. A. Manda	..	97	131	..
J. H. Troy	121	134	80	100
A. S. Burns	..	156	144	..
T. J. Lang	..	164	..	..
A. H. Herrington	..	..	95	113
S. S. Butterfield	..	..	114	153

Chicago.—Seven bowlers turned up on the night of the 20th to bowl for a place on the tournament team. Good average scores were made. Some changes in position occur each bowling night. The six up to date showing the highest totals stand as follows: George Stollery, George Asmus, Ed. Winterson, C. M. Balluff, John Degnan and Phil. Hauswirth.

	1	2	3	4
Asmus	168	197	170	175
Winterson	222	186	158	..
Kreitling	143	189	154	..
Hauswirth	194	199	148	..
Balluff	144	187	199	155
Wilson	126	145	138	..
Degnan	187	159	182	..

St. Louis.—Following are the bowling scores for July 23, 1900:

	1	2	3	4
C. A. Keuhn	178	140	152	167
J. J. Benecke	133	152	107	104
C. Beyer	138	169	106	131
F. C. Weber	155	138	147	..
C. C. Sanders	100	..	..	..

Boston.—The attendance at the alleys Monday night last was not very large. M. H. Norton made high average, rolling two strings, and Wm. Love made best average on four strings, as well as high single string. The scores were as follows:

	1	2	3	4
Riley	91	93	93	103
Martin	121	114	135	152
Sutherland	124	141	128	144
Cotter	..	82	..	..
F. J. Norton	151	124	117	134
Hannon	129	92	112	63
Minton	83	87	93	83
Love	120	163	139	137
M. H. Norton	..	..	134	156

Flatbush, N. Y.—Thursday evening the following scores were made on these alleys:

	1	2	3
C. Wocker	115	125	128
P. Riley	127	137	139
E. Dailledouze	118	145	..
P Dailledouze	169	103	..
C. Woerner	101	147	118
J. A. Manda	112	192	148
J. T Raynor	146	141	111
L Schmitz	130	154	168
D. Y. Mellis	134	130	..
H. Dailledouze	143	114	..
C. W. Ward	91	..	..
J. L. Schiller	..	91	62
A. Wallace	74	97	112
S. S. Butterfield	101	90	116

Cleveland.

Notes.

The 6 o'clock closing movement was inaugurated by the downtown storekeepers about the 15th of the present month, and will continue until September 1.

On the 15th inst., J. M. Gasser removed his store from 101 Euclid avenue to the storeroom immediately adjoining, the present location being No. 99½.

Fire.

The greenhouses of the F. R. Williams Co. located on Eddy Road, Glenville, Ohio, were damaged by fire to the extent of about $2,500 early Monday morning, 23d inst. The boiler room and tool shed, 24 x 32 feet, were entirely destroyed, and potting shed, 75 feet long, nearly destroyed. The ends of seven greenhouses adjoining the toolhouse and potting sheds were considerably damaged—three of which were fern houses, three rose houses, and one carnation house. The entire stock of adiantum contained in the fern houses was completely destroyed. There was no insurance. The houses will be immediately rebuilt.

A. H. Graham and wife left the city, a few days ago, for a two weeks' stay at Sag Harbor, L. I.

Miss Emma Gray, with James Eadie, 97 Euclid avenue, is spending her vacation at Saegerstown, Pa.

G. A. T.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.

Mention the Florists' Exchange when writing.

You cannot afford to let your wife, daughter, or sweetheart miss that beautiful drive either to Grant's Tomb, in Riverside Park, or through Greenwood, the loveliest cemetery in the world, and Prospect Park, with all its sacred and historic memories.

CLEARY & CO.,

Horticultural Auctioneers,

60 Vesey St., NEW YORK.

100,000 SMILAX Extra fine, strong plants, out of frames, at 40 cts. per 100, by mail; $1.50 per 500, $2.50 per 1000, by express.

GUSTAV PITZONKA, - Bristol, Pa.

ROSES BRIDES and 'MAIDS, 4 inch, $5.00 per 100; $45.00 per 1000. 2½ in., $3.10 per 100; $25.00 per 1000. 2 inch, $2.50 per 100.

Careful Packing. Light Boxes.

P. COSGROVE & SON, Madison, N. J.

TO FLORISTS AND DEALERS.

BERMUDA LIL. HARRISII BULBS

Arrived to-day's steamer (July 28). 5-7, 7-9 and 9-11 in. Will be sold at rock bottom prices for spot cash. A 1 stock. Apply

JAMES KEMPE, 262 Washington Street, New York City.

Mention the Florists' Exchange when writing

500,000 CELERY PLANTS!

Strong, transplanted plants, 25 cts. per 100; $2.00 per 1000. Good seedlings, 2 inches high, 25 cts. per 100. Write for prices on large lots. W. Pimm, E. Market, Giant Pascal, Golden Self Blanching and Dwarf Red.

SMILAX Strong, healthy, from 2 and 2½ in. pots, $1.00 a 100; $9.00 a 1000. Sample, 10 cts. CASH, PLEASE.

R. KILBOURN, Clinton, N. Y.

Mention the Florists' Exchange when writing.

SURPLUS STOCK

For Sale at a Low Figure.

1000 AMERICAN BEAUTIES, from 3½ inch pots.

1000 PERLES, from 3½ inch pots.

DePEW BROS.,

Cor. DePew and Piermont Avenues, NYACK, N. Y.

Mention the Florists' Exchange when writing.

700 SMILAX, 2½ in., $2.00 per 100

'MUMS Clark, Morel, Adams, Whitlidin, Lincoln, Jones, Nivens, Lager, Reiman, Gasteller, Wanamaker, Mutual Friend, Dawn, Tuxedo, Pres. Smith, Woodford, Invincible, Maud Dean, The Harriot, Wedding, G. Pitcher, Queen, Bonnaffon, Dorner, Merry Monarch, Yellow Monarch and Ysanoma, 2½ inch, $2.00 per 100. Cash with order.

A. A. WHITBRED, ALTOONA, PA.

Mention the Florists' Exchange when writing.

FINE, STRONG PLANTS CHEAP.

ASPARAGUS SPRENGERI 2½ inch, very bushy, 8 inches long, $3.00 per 100, $25.00 per 1000; 3 inch, $5.00 per 100.

SELAGINELLA EMILIANA 2 inch, nice, $3.00 per 100.

SMILAX Strong, 2½ inch, $1.00 per 100.

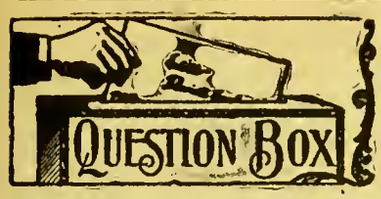
VINCA ALBA OCULATA 2 inch, nice, $2.00 per 100.

Ten and Monthly Roses, 50 varieties, named, 2½ inch, $2.00 per 100.

Will Exchange part of above for small Boston or Mixed Ferns.

COTTAGE ROSE GARDEN, Columbus, O.

Mention the Florists' Exchange when writing.



(149) **Solanum Capsicastrum**—Can anyone answer how to treat best Solanum capsicastrum. They are nice plants, in four-inch pots. Shall I shift them into larger pots, or plant them in open ground and pot them in the Fall again?—H. N.

—The solanums will certainly do better if planted outdoors and will make much larger plants than they would if kept in pots all Summer. They must, however, be lifted and potted before the nights get too cool, or the foliage might drop, making them worthless for decorative purposes.

(150) **Chemicals vs. Horse Manure.**—In reply to your inquiry of a few days since, which reads as follows: "Can there be furnished in 100 pounds of chemicals, at a cost not exceeding $3, as much nitrogen, phosphoric acid and potash as is contained in one ton of horse manure? Signed, Market Gardener," we would say that a ton of good horse manure contains about 12 pounds of nitrogen, 6 pounds of phosphoric acid and 12 pounds of potash. At present market prices of chemicals, these amounts of plant food are worth about $2.50, provided we do not take into consideration the question of availability. For $3 we could purchase the following amount of plant food: 15 pounds of nitrogen in the form of nitrate of soda, 8 pounds of available phosphoric acid in the form of acid phosphate and 16 pounds of actual potash in the form of muriate of potash. —L. L. VAN SLYKE, Chemist, New York Agricultural Experiment Station.

(151) **Carrying Azaleas Through the Summer.**—Kindly tell us through your valuable paper the best way to keep over Azalea indica through the Summer. Ours have been in a shaded, deep frame, and some have made quite a growth. I had thought of trimming them and making some sash of laths or slats, just to shade them a little, allowing the air to ventilate through, and plunge the pots in ashes. I have found from a few plants, which I stood in the sun, that the leaves got burned, although I have been told, planting out in open is a good way to hold azaleas over. Give us your idea.—A. D.

—If the azaleas are large plants it would be quite right to plunge the pots in ashes and shade them slightly from the hot sun with the slats as mentioned. If they are young plants, and it is desired to grow them on, we would take them out of the pots and plant in well-enriched soil, shading them during the hottest part of the day. Trim back the straggling shoots, and keep the plants well watered and syringed. In September lift and pot again. Pot very firm and place in a cool house.

(152) **Compost, Fertilizers, Etc.**—1. Of what materials are the carnation beds in the greenhouse composed and the proportions? 2. How long are they used without making new ones? 3. What is done with the old material taken out? 4. What is the liquid manure used in the greenhouse made from? 5. What quantity is used to 50 gallons of water? 6. What quantity of this strength is used to 10 square feet of bed. 7. How often applied?—A. W.

—No. 1. The best compost for the carnation bed is four-fifths loam and one-fifth well-rotted stable manure. The loam most to be preferred is that taken next to the sod from an old pasture. No. 2. One year. No. 3. There is no rule as to what should be done with the old soil. It can be saved and mixed with potting soil, to be used for a variety of bedding plants; or it can be spread in the garden or field, and will always prove beneficial. No. 4. The liquid used is made by putting animal manure in a tank or barrel, filling the said tank or barrel with water, letting it stand for 24 hours or more and then drawing off the liquid. No. 5. Cow dung 1 bushel; sheep manure, 1½ pecks; horse manure, 2 bushels. No. 6. When liquid manure is applied, enough to penetrate to the roots is the necessary quantity, as the strength of manures is variable, and as soil and plants also vary in their needs for stimulants, no specific quantity can be given; the grower's judgment must guide him in this. No. 7. When the plants show that they need feeding, give the liquid once a week.

(153) **Heating.**—I have a small house 16x20 feet, and I am adding 16x50, making 16x76. This house is 10 feet 4 inches from floor to ridge, and will have three feet of glass on each side. The walls are six inches thick and are filled with cotton seed hulls. When we have zero weather outside, is a 16x30 Wilks' heater sufficient to keep the house at 55 degrees? If so, how many runs and what size pipe? I am now using four runs of 2½ and four runs of 1½ inch pipe. The house runs north and south, and is protected on the north by boiler and potting rooms.—J. W. G.

—I have never had any practical experience with a Wilks' heater, but as with all others I would advise the selection of a size that is rated as having a capacity about one-third larger than the actual amount of radiation to be supplied, in order to secure economical heating. In zero weather you will need about four runs of 2½ inch and six of 1½ inch pipe, but it will be better to use 2-inch pipe for the returns, if the house is to be extended to 75 feet. To utilize the pipe now on hand, I would suggest that you use two 2½-inch flows and six 2-inch and one 1½-inch returns. This will make about 450 square feet of radiation, and the heater should be one rated for 600 square feet. —L. R. T.

I am building a slope house for carnations and smilax, 42 x 50 feet, running east and west. The sash bars on south side are 32 feet and on north side are 12 feet long. The ground slopes, so that the ridge is only 12 feet from surface of ground. On the north side is a mushroom pit, 8 feet in width, with double boarded and papered side and roof. On the west side is a potting shed and propagating house, which protects house from prevailing west and north winds. The east end is glass. 1. Will two 2½-inch overhead flows and 12 2-inch returns heat the house to 50 degrees in zero weather with a hot water closed system?

2. Will a 2½ flow (overhead) feed six 2-inch returns under bench?

3. Which is best for hot-water—coils, manifold Ts or return bends?

4. My heater is an upright boiler laid down horizontally, set in brick the same as a tubular boiler. It has a 3x3 foot fire box and 100 2-inch flows. The heat passes under the boiler, through the lower half of flues, and then through the upper half to the chimney. How much radiation should it carry? Would it be large enough if I should wish to extend the 42-foot house 50 feet more another year, making it 42 x 100 feet.—C. E. C.

—1. If run under pressure it will be possible to maintain the temperature desired with two 2½-inch flows and 12 2-inch returns, but it will be more economical of fuel if three flows and 15 returns are used, with an open tank system.

2. Yes, if the house is not enlarged; but if made 100 feet long, as proposed, it will be well to use only four or five returns for each flow pipe.

3. With an open tank system coil boilers put up with manifolds are preferable, but for use under pressure return bends can be employed. In the construction of coil boilers it is desirable to use extra heavy 1½ or 2-inch pipe, and to have the threads well turned in.

4. Nothing is said regarding the length of the tubes in the heater, but if they are four feet long it is probably rated at about 15-horse power, and it would be large enough to heat a house 100 x 42 feet, but in order to secure the draft needed to maintain the desired pressure, a large stack, say 15 inches in diameter, will be required.—L. R. T.



Bird's-Eye View of New Range of Greenhouses Recently Erected by A. N. Pierson, Cromwell, Conn.

(See pages 728-9 for particulars.)

The Henry Shaw Medal.

The St. Louis Florists' Club desires to call attention to the fact that in June, 1893, the Board of Trustees of the Missouri Botanical Garden founded a gold medal, to be known as "The Henry Shaw Medal," for the introduction of a valuable plant, and to be awarded each year when practicable for a new plant of value for cultivation exhibited in St. Louis, as a part of the premiums or prizes to a flower show or exhibition provided for in the will of the late Henry Shaw, provided that the judges or other persons making awards at such exhibition shall certify that said medal is "awarded for a plant of decided merit for cultivation, not previously an article of North American commerce, and introduced to such commerce by the exhibitor during the year in which said award is made."

Numerous plants worthy of the award of this medal are each year introduced into American trade, and the undersigned will at any time gladly furnish detailed information to their introducers as to the time of holding the flower show at which they may be exhibited in competition for the medal. This year the medal will be offered as a part of the premiums placed in the hands of our local florists' club for award at our annual Chrysanthemum Show to be held in St. Louis, November 14, 15, and 16, 1900.

J. J. BENEKE, Manager.
EMIL SCHRAY, Secretary.

TOBACCO STEMS
"Good Strong Kind."
60 CTS. PER 100 LBS.
BALES WEIGH 500 LBS.
TOBACCO DUST
"THE BLACK STUFF."
Fine or Coarse to Your Order.
50 to 1000 lbs., 2 cents per pound.
H. A. STOOTHOFF,
110 WEST STREET, NEW YORK CITY.
Mention this paper.

VIOLETS. VIOLETS.

Maria Louise, clean and healthy in every particular. 3 in. pots, $5.00 per 100; ready August 1st. Cash with Order.

WM. J. CHINNICK, - Trenton, N. J.

Mention the Florists' Exchange when writing.

SMILAX

Strong seedlings from flats, 25c. per 100, $2 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

25,000 SMILAX That will grow and make strings this fall. From 2 inch pots, $1.50 per 100; $13.00 per 1000. From flats, by mail, 50c. per 100; $4.00 per 1000 Send for samples.

CASH WITH ORDER.

FRED BOERNER, Cape May City, N. J.

Mention the Florists' Exchange when writing.

SMILAX.

2 inch, strong plants, $1.25 per 100; $10.00 per 1000.

COLEUS, R. C., 70 cents per 100; $5.00 per 1000, prepaid.

C. HUMFELD, Verbena King, Clay Center, Kan.

Mention the Florists' Exchange when writing.

SMILAX

From 2½ in. pots, $2.00 per 100.

Russellia Multiflora and Elegantissima, from 3 in. pots, 60 cts. per doz.

Asparagus Tenuissimus Nanus, from 2 in. pots, 50 cts. per doz.

Asters, Queen of the Market, strong, from soil, $1.00 per 100.

J. G. EISELE, 20th and Ontario Sts., Phila., Pa.

Mention the Florists' Exchange when writing.

30,000 SMILAX Nice, thrifty, 2 in., per 100, $1.25; per 1000, $10.00.

Primula Forbesi (Baby Primrose), extra fine plants from 3 in. pots, ready for 4s and 5s, only $5.00 per 100.

Primula Obconica Grandiflora, 2 in., $2.50 per 100.

Primula Obconica Grandiflora Rosea, 2 in., $2.50 per 100.

Cyperus Alternifolius, 3 in., fine, 5 to 8 stems, $5.00 per 100. Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Mention the Florists' Exchange when writing.

800 SMILAX!

Strong, healthy plants, from 2¼ inch pots, ready now, at $2.00 per 100.

CASH WITH ORDER, PLEASE.

E. LEULY, West Hoboken, N. J.

Mention the Florists' Exchange when writing.

BOSTON FERN—A Specialty

L. H. FOSTER, 45 KING STREET, Dorchester, Mass.

Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.

1730 CAMBRIDGE ST.

Mention the Florists' Exchange when writing.

FINE PALMS.

Kentia Belmoreana and Forsteriana—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, from $2.50 upwards.

Phœnix reclinata, 4 in. pots, $20 per 100; 5 in. pots, $40 per 100; 6 in. pots, 35c. each; 7 in. pots, $1.25 each; specimen plants, $2.00 upwards.

Areca Lutescens, 3 in., $15 per 100; 4 in., $25 per 100.

Latania Borbonica, 4 in., $20 per 100.

JOHN BADER, Troy Hill, Allegheny, Pa.

L. D. TELEPHONE 872A.

Mention the Florists' Exchange when writing.

JOSEPH HEACOCK,

WYNCOTE, PA.

GROWER OF

ARECA LUTESCENS,
KENTIA BELMOREANA,
and KENTIA FOSTERIANA.

Mention the Florists' Exchange when writing.

Asparagus Plumosus Nanus

Transplanted seedling plants, for July and August delivery, ready for 2½ inch pots, at $3.00 per 100; $25.00 per 1000; 500 at thousand rates. Express prepaid.

Cash with Order, Please.

R. ASMUS, - New Durham, N. J.

Mention the Florists' Exchange when writing.

Buffalo.

Trade News.

Not enough trade or business to talk about, or extract gossipy bits from. The weather is all right and agreeable for the time of the year.

To Invite the S. A. F.

A meeting of the Buffalo Florists' Club was held on Friday afternoon last, at Kasting's store. The session became a red-painted one, in the interests of fraternal war, as it then and there was decided that the Florists' Club extend an invitation to the S. A. F. O. H. to hold the 1901 meeting in this city. A somewhat interesting debate over the matter, pro and con, was had, resulting in a unanimous falling in for the proposition. As planned from our advance existing standpoints, the nation's interests are involved in the realization of our desires in this matter, so we naturally expect every vote on the subject next month will be cast in our favor. At this early stage, a certain modesty prevails, but we expect to be heard from further later.

The Club's Picnic.

Besides handling the above important matter, the holding of a picnic, intended for participation by the craft and their families, was decided on, to come off early in August, and which will be in charge of Emil Brooker, Wm. Scott and W. A. Adams. James Brown was elected a member.

Jottings.

Our reputed prowess in bowling, even if, perhaps, a bit below a present high pinnacle, will be kept in active remembrance at least, by a contesting team at the Convention games next month.

Wm. Scott and Daniel B. Long were appointed a committee on transportation convention-ward, and Mr. Scott will be the incumbent of a new position, probably best styled "press agent."

We are reliably informed that the structure of the new South Park conservatories, as a piece of work or city job, have not as yet been accepted from the contractors by the city authorities, and the present occupying of the same is done under an understood arrangement. Some of the mechanical finishing has not as yet passed the necessarily exacting municipal inspection for approval.

A number of palms were carried out of John G. Pickelman's French street greenhouses one night last week, and sold about town for trifling sums. It evidently was done by some one familiar with the premises, who has not, however, been apprehended. The palms generally were recovered.

The progress of work at the Pan-American shows more attractive, impressive and convincing at each visit. Surface work in Landscape Superintendent Ulrich's department is now rapidly being put into finished contours and outlines. Grass seeding is being rapidly pushed, and with past favorable weather, and a copious supply of city water available, quick effects are brought about. The seed is applied in liberal quantity, and an unusually good mixture seems to be used. Contingent to the horticultural interests, a visit here last week of F. Lamson-Scribner, Government Agrostologist, and representing the Department of Agriculture, confirmed the making of an exhibit in that class. A plot of one and one-half acres, will be placed at disposal for this purpose, to be devoted to comprehensively arranged display of economic and ornamental grasses. In itself, such a showing should beget a large resultant value.

Recent callers included Arnold Ringier, of Chicago, and Thos. Mansfield, of Lockport, N. Y. VIDI.

St. Louis.

Market Conditions.

Receipts of stock have increased somewhat; but the quality, as yet, is not much improved. Asters are coming in freely; common stock sells at $1.00 per 100, some extra choice flowers bringing as high as $2.50 per 100. Not many of the latter are to be had. Carnations, mostly white, from out doors, are in plentiful supply, still selling for $1.00 per 100. Lots of gladiolus bring 3c. to 4c.; tuberoses 5c. per stalk.

Business is very quiet all along the line. This, however, is what we expect, and nobody is disappointed. The weather generally is very good, the Summer kind—plenty of, but not too much, rain. This has been the finest six months, in this respect, we have ever seen; at no time have we suffered from either extreme. C. C. S.

Providence, R. I.

Trade Notes.

Business has been very quiet with us the past two weeks. Flowers are plentiful, but the only call for them is on an occasional funeral order.

Carnations in the field are doing fairly well, but need a good watering. We are having exceptionally dry weather this season; all vegetation is suffering for the lack of water.

Several of the growers have their houses filled with violets, which are apparently in a very healthy condition at present; but a few weeks will tell better what they will be.

Sweet peas are coming in plentifully and meeting with a fair demand. Asters have made their appearance, but in limited quantity. Lilium auratum are again short this year. One grower, who purchased a large number of bulbs last Fall, anticipating a large revenue from them this Summer, is sadly disappointed in the results. He will hardly get the cost of the bulbs back.

Boston.

At last week's show prizes were offered for sweet peas, hardy herbaceous plants, for vase of flowers, and fruits and vegetables. The exhibits of sweet peas were excellent and of varied kinds, containing many of the newer varieties, which show a wonderful assortment of colors. H. B. Watts, J. H. Fletcher, and Mrs. H. A. Jones showed the best collections, while other good ones were staged by E. C. Lewis, W. J. Clemson, Mrs. J. B. Lawrence and T. F. Dwight. Hardy herbaceous plants were shown by the Blue Hill Nurseries, W. J. Clemson, Rea Bros. and Carl Blomberg, and contained many interesting species.

Oakes Ames exhibited two new hybrid nymphæas, one being a cross between a hybrid of N. Diana x N. Sturtevantii and N. ampla; and the other a hybrid of N. ampla x N. rubens. For the former a first-class certificate of merit was awarded. Mrs. E. A. Wilkie showed nymphæa Gladstoniana and N. Marliacea rosea, also a nice collection of roses, poppies, begonias, verbenas, etc.

Mrs. E. M. Gill and Miss H. B. Winter received the prizes for the vases of flowers. Mrs. Gill also showed roses and cannas.



The Hitchings & Company Bowling Trophy.

News Jottings.

Early closing is in order with the downtown florists. Six o'clock finds the most of the stores closed except where two brothers should face each other on the same street, and in that case, one waits for the other to close.

The outing of the club was a decided success. It was held on the spacious grounds, adjoining the houses of our president, James Hockey, at Pawtucket, and everybody enjoyed themselves. Much credit is due Mr. and Mrs. Hockey for the able manner in which they cared for the brethren and their friends.

A large number have signified their intention of attending the coming Convention in New York. All those going are asked to correspond with the committee in charge of arrangements (T. J. Johnston and Alex. Rennie) to assist them in getting a special rate from Providence.

The next regular meeting of the Florists and Gardeners' Club will be held August 9, at 96 Westminster street, and it is hoped every member will be there, as it is the last meeting before the Convention.

George Johnson, of Elmwood, will not be with us this year. He left here last week for Wyoming, on a visit to his son, and expects to be gone all Summer.

Sweeney Bros., is the name of a firm of florists that has recently started business at 446 Cranston street. They have the best wishes of the trade for their success.

Walter S. Hogg has been on a visit to friends in Long Island and New York.

T. J. Johnston and family are at Narragansett Pier for the Summer.

Rennie & Pino received their first shipment of Lilium Harrisii last week, and are busy filling orders. The bulbs opened up well.

Farquhar Macrae is making extensive alterations and additions to his place this year. When completed it will be one of the best, if not the best, in the state. A. M.

Mrs. J. B. Lawrence and E. C. Lewis staged tropæolums and Mr. Lewis also had hollyhocks and sweet peas. W. J. Clemson exhibited some very good allamandas. F. J. N.

Toronto.

There is but little change in business conditions. Our stores keep up a bright appearance, and do a little window decorating just to keep their hands in. Such flowers as are offered are generally good, but only really first-class roses and white asters find anything like a ready sale.

We have had several good showers lately and stock in the fields is improving very much.

Several of the craft from London, Ont., were in the city last Saturday. W. W. Gammage is rejoicing over the advent of a daughter.

There is considerable talk among the boys about the Convention at Montreal, and if all go down who are talking now, we will have quite a goodly party. T. M.

Worcester, Mass.

At the weekly horticultural show, held on Thursday last, there was a hall full of exhibits. The competition was so close on the 40 vases of sweet peas with ten exhibitors that it took two judges to decide who should win. H. B. Watts was first; C. H. Robinson, second; Mrs. H. A. Jones, third; A. A. Hixon, fourth.

The large exhibit of Phlox Drummondii was extra fine, as was the display of cut hollyhocks and others, among which was a large table reaching across the hall, covered with an elaborate showing of foliage plants and orchids. J.

For business and pleasure the New York Convention is to take the banner. He's a very slow man who misses it.

BOSTON FERNS

Now ready. $5.00 per 100.

H. L. CAMERON, No Cambridge, Mass.

Mention the Florists' Exchange when writing.

PALMS

AND OTHER

DECORATIVE PLANTS

At Greatly Reduced Prices.

Stock large and in fine condition.

Send for new Wholesale list. Special prices on large orders. Send in list of your wants.

W. J. HESSER, Plattsmouth, Neb.

Mention the Florists' Exchange when writing.

FERNS Our Specialty.

A Grand Stock of MAIDEN HAIR FERNS, to 4 in., ready for 5 in. pots..	100 $8.00	1000 $75.00
Full-grown plants, to 2¼ in., ready for a shift	3.50	30 00
Fine lot of ASSORTED FERNS for Jardinieres, all the best varieties, to 2¼ inch pots	4 00	35.00
Asparagus Sprengeri, 5 in. pots	15.00	
Gardenia Florida, strong, healthy plants, 5 in. pots	15.00	
Gardenia Florida, 2¼ in. pots, extra strong	4.00	

Money returned if not satisfactory.

TERMS CASH OR C. O. D.

ANDERSON & CHRISTENSEN, SHORT HILLS, N. J.

Mention the Florists' Exchange when writing.



Send for Our List of

Kentias, Latanias, Ficus,

Asparagus, Dracænas, etc. Ask for our price list of Perpetuated Palms. Samples sent on request. Address

THE GEO. WITTBOLD CO., Chicago, 1708 N. Halsted Street.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR JAPANESE FERN BALLS

Many thousand sold last season. Now is the time to place importation orders. Write for special prices for December delivery.

JAMES VICK'S SONS, ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

ASSORTED FERNS

$10.00 per 1000.

BOSTON FERNS Ready for pots, $2.00 per 100; $18.00 per 1000. $5.00 per 100; $40.00 per 1000. Larger plants, $10.00, $20.00 and $30.00 per 100.

ARECA LUTESCENS 2 inch pots, $6.00 per 100. Extra large plants, from $1.50 to $4.00 each.

KENTIA BELMOREANA Fine, large plants, in 8 inch pots, $2.00 each.

PANDANUS VEITCHII In 8 inch pots, $1.50 each.

PANDANUS UTILIS

JOHN SCOTT, Keap Street Greenhouses, Brooklyn, N. Y.

TELEPHONE, NO. 1307 WILLIAMSBURGH.

Mention this paper.

Adiantum Cuneatum

2½ in. pots, $1 per 100; 3½ in. pots, $6 per 100; 3½ in. pots, large plants, $10 per 100; selected plants, 3½ in. pots, $12 per 100.

Asparagus Sprengeri

2½ in. pots, $4 per 100; $30 per 1000.
3 in. pots, $5 per 100.

We also have a few hundred ROSE PLANTS, Bridesmaids, left yet, which we offer at $6 per 100.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

BOSTON FERNS

N. Exaltata Bostoniensis.

Small plants, $5.00 per 100 or $40.00 per 1000; large plants, $6.00 to $50.00 per 100; taken from the bench.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 in. pots, $3.00 and $4.00 per doz.

Asparagus Plumosus, 2½ in. pots, $5.00 to $6.00 per 100; 3½ in. pots, $12.00 per 100.

Asparagus Sprengeri, 2½ in. pots, $5.00 to $6.00 per 100; 3½ in. pots, $12.00 per 100.

Araucaria Excelsa, $1.00 to $2.00 each.

Rubber Plants, $4.00 per doz.

Chinese Primroses, 2½ inch pots, $3.50 per 100.

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. Connected with Telephone.

Mention the Florists' Exchange when writing.

BOSTON FERNS

Largest and finest stock in the country. 2 in. pots, $5.00 per 100; $40.00 per 1000. Fine plants from bench, $2.50 per doz.; $20 per 100; all sizes of pot plants from 6 in. up. Prices on application.

ASPARAGUS PLUMOSUS NANUS Fine strings, 10 to 12 ft. long, 50c. each, in any quantity. Extra strong plants in 2 in. pots, $5.00 per 100; $40 00 per 1000. Asparagus Sprengeri, 2 in. pots, $4.00 per 100.

FRESH FERN SPORES Mixed varieties. Package sufficient for 3000 to 5000 ferns, $1.00, postpaid.

EMERSON C. McFADDEN, United States Exotic Nurseries,

Telephone, 10 B Short Hills. SHORT HILLS, N. J.

ASSORTED FERNS IN FLATS

Ready for potting, $2.00 per flat.

If you are in the market for FERNS, this is the most advantageous way to buy in a stock at a little cost. Each flat contains 110 clumps of small plants, which can be divided in 3 to 5 plants, according as you wish them.

BOSTON FERNS, ready for 3 in. pots, $6.00 per 100; ready for 4 in. pots, $15.00 per 100; for 5 and 6 in. pots, $20.00 and $25.00 per 100; extra fine plants, in 5 and 6 in pots, now ready for a shift into pans or pots, $35.00 per 100; $4.50 per doz. This is exceptionally good value.

ASPARAGUS PLUMOSUS NANUS, 3 in. pots, extra fine, $8.00 per 100.

" " SPRENGERI, 3 in. pots, $6 00 per 100.

KENTIA BELMOREANA, 2½ in. pots, $10.00 per 100; 4 in. pots, $40.00 per 100.

" " FORSTERIANA, 6-7 in. pots, $1.50, $1.75, $2.00, $2.50, $3.00, up to $5.00 each.

BOBBINK & ATKINS, Rutherford, N. J.

WALTER RETZER & Co.

WHOLESALE PALM GROWERS

2045-59 CLARENDON AVE. (N. Halsted St.) CHICAGO, ILL.

WRITE TO US FOR PRICES BEFORE BUYING ELSEWHERE.

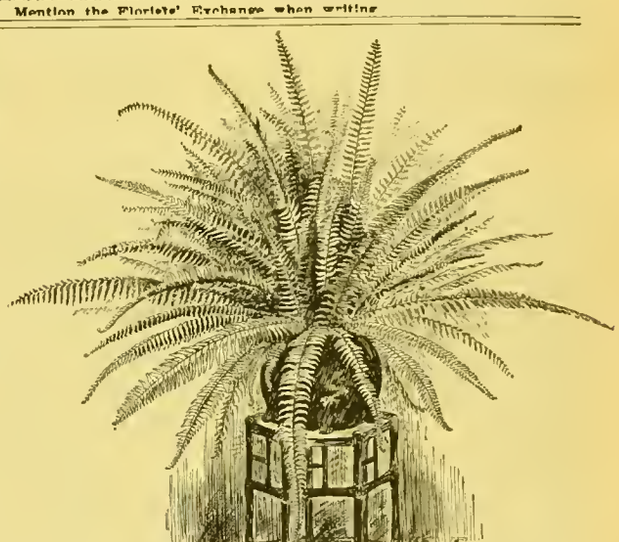
Mention the Florists' Exchange when writing.

ONE-HALF MILLION FERNS

Our stock of FERNS this season is larger and in better shape than ever, while the assortment is the best we ever offered.

Now is a good time to lay in a supply for Fall and Winter use, the plants are all open frame-grown and are well hardened, and in prime condition to ship.

Special Low Prices on Ferns in lots of 2000 or more.



NEPHROLEPIS EXALTATA BOSTONIENSIS—Boston Sword Fern.

NEPHROLEPIS EXALTATA BOSTONIENSIS

(Boston Sword Fern.)

We have a fine stock of this most popular variety.

2¼ inch pots.....75c. per dozen; $5.00 per 100; $40.00 per 1000.
7 inch pots.....$9.00 " $75 00 "

General Collection of Fine Ferns.

	Inch pots	Per 100	Per 1000
Adiantum Æmulum	2	$5 00	$40.00
Aneitenae	3	12 00	
Bausei	3	12 00	
Capillus-Veneris Mariesii	4	15 00	
Concinnum	2	4 00	
Cuneatum	2	4 50	30 00
" Variegatum	2	3 50	30 00
"	4	15 00	
" Grandicepa	2	4 00	35 00
"	2	4 00	35 00
Decorum	2	5 00	50 00
Formosum	3	15 00	
Farleyense	5	70 00	
"	2	4 00	35 00
Gracillimum	4	15 00	
"	2	5 00	
Legrandi	5	15 00	
"	2	5 00	40 00
Bellum	2	5 00	
Mundulum	2	3 50	30 00
Pubescens	3	10 00	
Rhomboideum	4	15 00	
"	2	5 00	
Rhodophyllum	3	8 00	
"	2	5 00	40 00
Weigandi	4	12 00	
"	2¼	8 00	
Alsophila Australis	3	8 00	
Asplenium Obtusilobum	2¼	4 00	35 00
Blechnum Occidentale	3	6 00	
Rubrum	2¼	4 00	35 00
Cyrtomium Falcatum	2¼	4 00	35 00
Fortunei	2¼	5 00	40 00
Caryotidium	3	15 00	
Davallia Fijiensis Plumosa	2¼	4 00	35 00
Stricta	3	10 00	
Dictyogramma Japonica	3	15 00	
Japonica Variegata	2¼	6 00	
Dicksonia Antarctica	2¼	5 00	
Gymnogramma Sulphurea			

	Inch pots	Per 100	Per 1000
Lastrea Aristata Variegata	2¼	4 00	35 00
Chrysoloba	2¼	4 00	35 00
Opaca	2¼	4 00	35 00
Lomaria Ciliata	2¼	4 00	35 00
Gibba	2¼	4 00	35 00
Lygodium Scandens	2¼	6 00	
"	4	15 00	
Dichotomum	3	10 00	
Microlepia Hispida	3	6 00	
Nephrolepis Pectinata	5	15 00	
Nephrodium Hertipes	2¼	4 00	35 00
Niphobolus Lingua	4	15 00	
Onychium Japonicum	2¼	4 00	35 00
Platyloma Falcata	2¼	5 00	40 00
Polypodium Aureum	2¼	4 00	35 00
Polystichum Coreaceum	2¼	6 00	50 00
Setosum	2¼	5 00	40 00
Pteris Adiantoidea	2¼	3 00	25 00
Argyræa	2¼	3 50	30 00
Cretica Alba Lineata	2¼	3 50	30 00
" Mayii	2¼	6 00	50 00
" Magnifica	2¼	3 50	35 00
" Wimsetti	2¼	4 00	35 00
Drinkwateri	2¼	4 00	35 00
Hastata	2¼	3 50	30 00
Internata	2¼	3 50	30 00
Leptophylla	2¼	3 50	30 00
Ouvrardii	2¼	3 50	30 00
Serrulata	2¼	3 00	25 00
" Volluta	2¼	3 50	30 00
Sieboldi	2¼	3 50	30 00
Palmata	2¼	3 50	30 00
Sitolobium cicutarium	2¼	6 00	
Selaginella Emiliana	2	3 50	30 00
MIXED FERNS, our selection	2¼	3 00	25 00
" " "	3	6 00	50 00

For a full line of DECORATIVE PLANTS and other SEASONABLE STOCK see our current QUARTERLY TRADE LIST, of which a copy will be mailed on application, if you have failed to receive one.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO., LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00.
Payable in advance. The date on the address label indicates when subscription expires.

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Orders from unknown parties must be accompanied by cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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THE FLORISTS' EXCHANGE Photographic Contest for July closes Tuesday next, July 31. Intending competitors are kindly asked to make a note of this and to forward the specimens of their work on or before that date to this office, addressed Photographic Contest, FLORISTS' EXCHANGE, Box 1697, New York City.

La Crosse, Wis.

The City Floral Society gave a sweet pea show last week. John Honser exhibited 80 varieties and the Salzer Seed Company, 35.

Rochester, N. Y.

John Hill, of the Vick & Hill Co., sailed for Liverpool on the 13th. He will return in September. With the exception of a short visit to the Exposition, most of the time will be spent in England.

A.

There'll be dancing and music at the New York Convention. What a gloriously good time is in store for the delegates?

Convention Matters.

No better guage of the enthusiasm of the local florists in connection with Convention matters can be cited than the recent largely attended Club meetings to which the gathering on Monday evening last was no exception, when, in shirt sleeves, the members tackled the various problems brought before them with commendable energy for a sultry July night.

President O'Mara occupied the chair, and handled things with his wonted ability. Twelve new members were elected. The Committee on Hall Decoration reported a proposed plan of ornamentation of the meeting room, and asked for donations of plants and flowers to assist in the work. Intending donors will oblige by notifying Chairman Nugent, 42 West 28th street, of what they can furnish. Mr. Nugent would also be glad to receive any suggestions or help looking to a grand presentation of what can be done in the way of decorating an interior that of itself lends little aid to the floral artist.

Chairman Rochrs, for the Committee on Sports, reported the selection of the alleys: that 12 individual prizes (with more to come probably), in addition to the Hitchings and Lord & Burnham cups, had been secured. The former cup will be given for the highest score in three games; the latter for the highest aggregate in three games.

Wm. J. Elliott announced that shooting grounds had been obtained near Cypress Hills, those previously mentioned not being securable. E. G. Asmus sent a notification to the effect that, as he would be abroad at date of the Convention, he could not officiate as captain of the local shooting team. He predicted the discomfiture of the local shooters by the Philadelphians, to even approach whom would, he said, necessitate two years constant practice. Nevertheless the New Yorkers will shoot.

The chairman of the Reception Committee, W. F. Sheridan, outlined the various enjoyable treats his committee intends providing for the delegates, and from his remarks a very pleasant time, indeed, is assured.

Mr. Weathered for the Printing and Advertising Committee, reported that the Souvenir book was now on the press, and that the advertising obtained for same had been beyond his most sanguine expectations. Those desiring extra copies of the book should advise Mr. Weathered as soon as possible.

Owing to the large crowd of delegates expected from outside points, and in order to fully accommodate the visitors, it was decided to furnish only two tickets to each member of the local club, for his own use and that of one member of his family, in connection with the Glen Island trip, for which no tickets will be sold.

A delegation will wait on the Mayor of Greater New York and invite him to open the Convention. Invitations will also be extended to the various heads of departments of the municipal government, and to the President of the Board of Education, who will be asked to announce to the city's school teachers that the Club extends to them and their scholars an invitation to visit the horticultural exhibition on a day most suitable to them. The Secretary of Agriculture, and the officers of the nearby Experiment Stations will also be invited to be present at the opening of the Convention.

The chairmen and secretaries of the various committees will meet in the Club rooms, Monday afternoon next, July 30, at 3 o'clock.

During the evening the Entertainment Committee served light refreshments.

Delegates desirous of securing the services of the Reception Committee in the matter of being met on arrival of trains, the obtaining of hotels, and in any other way, should notify Mr. Sheridan, 39 West 28th street, New York, as to the railroads by which they will travel, at the earliest possible moment.

As there appears to be a mistaken impression abroad, in some quarters, with regard to the reinstatement in the S. A. F. of those whose membership in same has lapsed, it has been considered advisable to call attention to the fact that all such may rejoin the Society, as new members, on payment of $5 each, which amount should at once be forwarded to Secretary Stewart, 67 Bromfield street, Boston, Mass., to insure the receipt of a badge and certificate of membership, the possession of which alone will allow of participation by individuals in the Convention privileges.

S. A. F. Trade Exhibit.

Entries with the superintendent indicate that this will be the grandest exposition of the latest improvements in all requisites for the greenhouse and other departments of the florists' business; models of greenhouses and apparatus, new and rare plants, garden implements, bulb, seeds and supplies, ever inaugurated. A very large amount of space has already been rented, and intending exhibitors should make application at once to the superintendent for such accommodations as they require. Revised rules relative to the judges' duties and methods of making awards may be had on application to the secretary or the superintendent of exhibition.

Special arrangements have been made for the accommodation, free of charge, of displays of plants or flowers intended for exhibition only; no sales to be made in connection therewith. Parties desiring to exhibit in this department must so specify in making application to the superintendent of the Trade Exhibition. Due recognition of valuable exhibits will be given by the Society.

Superintendent of exhibition, John P. Cleary, 60 Vesey street, New York, is anxious to hear from all intending exhibitors at the earliest possible moment. We would urge upon every progressive florist, and those in allied trades, to make an exhibit on this occasion. The opportunities are exceptional, and the money spent for space will be a paying investment.

Chicago to New York.

The arrangements for the special train by which the Chicago contingent will travel over the best road going, the Lake Shore and Michigan Southern, are creating some stir, and a goodly number is assured. L. F. Vosburgh, city passenger agent of the L. S. & M. S., who will personally conduct the party, will be pleased to correspond with those interested, giving any further information; or either of the committee, Messrs. Grant, Rudd, or Kreitling, will be glad to supply particulars. The train will make the fewest possible stops, halting wherever there are convention-bound florists who wish to board it. The train leaves Chicago Sunday, 3 p. m., reaching Toledo 10:30 p. m.; Cleveland, 2 a. m. Monday. At the latter point it is expected to pick up a goodly number. Niagara Falls will be reached at 8 a. m. Monday; a stop over to see the Falls made, arriving at New York Central Depot Tuesday morning.

Buffalo, 1901.

Editor Florists' Exchange.

The S. A. F. should certainly hold its convention in Buffalo next year, and make the Exposition a drawing-card for every florist in the country. Never was there a better chance to call out the American seedling growers of new varieties of annuals, cannas, geraniums, etc., by offering S. A. F. medals and certificates for beds of new varieties! Being planted out on the exhibition grounds, the plants can be given a test. Let us see if America and its growers cannot produce novelties of the first water; or whether we have to rely wholly on Europe for these.

We have seen boilers, pots, moss, and Posey County ventilating "contrapshuns" every year; let us see some plants—and new plants at that, as they grow.

Buffalo offers every opportunity; therefore, "all aboard for Buffalo, 1901."

A GROWER.

BOOKS RECEIVED.

CYCLOPEDIA OF AMERICAN HORTICULTURE. Publishers, The MacMillan Company, 66 Fifth avenue, New York—Price per volume $5.—The second volume of this grand work has now been issued. It embraces the letters E to M, inclusive. A fuller notice will appear in a later issue.

Among the Magazines.

Albert Bigelow Paine's little story in the August Fiction Number of Scribner's of "Old Carnations," who, with his basket of flowers, was long a familiar character on Broadway, describes the part the old man played in the romance of two young people among his customers. Illustrated by C. S. Chapman.

OBITUARY.

Wm. McKellar.

William McKellar died on Wednesday afternoon, July 18, at his late residence in Chillicothe, Ohio. He had suffered from La Grippe, muscular rheumatism finally causing his death.

Mr. McKellar was born in Paisley, Scotland, January 31, 1833. His parents died when he was a small boy. He was employed on the estate of the Duke of Argyle and it was there that he learned the gardening trade. He came to this country when about 17 years old, and worked at his vocation in Jersey City. From there he went to St. Louis and engaged in the same business, thence to Ironton, Ohio, where he married, after which he located at Chillicothe, Ohio, where he had lived for the past 37 years; 12 children blessed this union, eight of whom still live to mourn the loss of a kind and affectionate father. His son, C. W. McKellar, is a partner in the firm of McKellar & Winterson, Chicago, and is well known in the trade. Deceased was a member of Tecumseh Lodge, Odd Fellows, and at his request the funeral was conducted by the order at 4 o'clock, Saturday afternoon last.

Mr. McKellar will be greatly missed by the craft in general. One of his specialities was the Niphetos rose which he grew as near to perfection as it can be grown. He was a member of the Presbyterian Church, and had been an elder for the past 13 years.

E. G. GILLETT.

George C. Bliss.

George C. Bliss, florist, New Bedford, Mass., died at his home July 22, after a brief illness. Apoplexy was the cause. Mr. Bliss was born in New Bedford. He attended the public schools of the city, and after finishing his schooling, went to work for his grandfather, the late William Howard, one of the first to engage in business as a florist in New Bedford. Learning the business, Mr. Bliss was given it to conduct, which he did up to a short time prior to the demise of Mr. Howard. At one time Mr. Bliss was city forester. He was in his 46th year.

Thomas Lewis.

Thomas Lewis, who for several years was a florist in Indianapolis, having his place of business at the location now occupied by Bertermann Bros., died in the hospital in that city, July 17, of locomotor ataxia, aged 52 years. He was born at Plainfield. At one time he was in charge of the Lake Side and Winona Parks, near Warsaw. Deceased was a soldier in the War of the Rebellion, and had been afflicted for years with partial blindness, the result of paralysis. He leaves a widow and three small children

CHANGES IN BUSINESS.

RICHFIELD SPRINGS, N. Y.—The Misses Bolton have opened a flower store here.

INDIANAPOLIS, IND.—Francis Smith, father of F. Sydney Smith, has purchased the greenhouse property owned by Mrs. E. H. Poole, and operated by Baur & Smith. The purchase was made to enable them to establish their business on a more permanent basis, and to improve and add to the range of glass, as the business may require.

The old firm of Baur & Smith will remain in control as before.

MARION, IND.—The Marion Floral Company has been incorporated with a capital stock of $2,500. Incorporators, J. W. Bernhard and Herbert, both of Marion.

KALAMAZOO, MICH.—The Kalamazoo Nursery and Floral Company has filed in Lansing papers for its incorporation. The capital stock is $10,000, and the officers will be: President, C. A. Maxson; vice-president, Judge J. M. Davis; secretary and treasurer, C. A. Krill. The principal stock will be held by the officers, E. J. Phelps, who will be elected a director, and W. C. Cook, formerly with the Dunkley Floral Company. Mr. Cook will be manager.

Exhibitions.

ST. LOUIS.—Preliminary Premium Lists have been issued for the Tenth Annual Chrysanthemum Exhibition to be held under the auspices of the St. Louis Florists' Club, November 14–16 inclusive. Secretary Emil Schray, 4101 Pennsylvania avenue, St. Louis, Mo.

New York.

The Market.

There is little to tell about the flower trade this week. We are right in the dullest season of the year and the dullness is felt more than usually at this time by shippers, owing to the great falling off in orders from the various watering places, Newport, R. I., in particular. Whether the Summer resorts are suffering from a dearth of business, or are being supplied from other sources we do not know, but it is evident that New York is not being called upon to any great extent; and the decrease of these out-of-town orders tends to make this Summer's business very quiet indeed.

Gladioli are the most popular flowers at present; thousands are being received from Floral Park, (there are almost 90 acres planted at that place). The blooms sell at $1 per 100, and their cheapness makes them the best available flowers on the market for window or other decorative work.

Sweet peas are not so plentiful as they were and it is somewhat easier to clear them out, although no advance in price has been attempted.

The best lily of the valley is bringing $2 per 100. Asters are numerous and do not meet with much favor. The best selling colors have been the purple and the white; these kinds are offered at 50c. per 100, other colors going at 30c. per 100.

Harrisii and auratum lilies are not so much in evidence as they were last week.

Plenty of good smilax and adiantum are on the market; but there is a very poor demand for them. Galax leaves have met with a fair call which is a safe indication that the bulk of the flower business doing is composed of funeral work, as, owing to their better lasting qualities, galax leaves are preferred during hot weather for that purpose. Roses are not very plentiful. The warm spell we have been having has not been conducive to cutting high-grade flowers, and but few special or fancy blooms are to be had. Carnations are fairly plentiful yet, and no change in their value has been noticed.

A Plant Market Asked.

The New York Market Florists' Association met last Monday evening and ratified certain resolutions that had been drawn up with a view to petitioning the Council for a new plant market. Councilman Ryder, who represents the Clinton Market district, presented the resolutions to the City Council on Tuesday afternoon, and through his efforts that body adopted them and referred them to the Board of Aldermen for immediate consideration. It would seem that at last the long-looked for market is almost in sight, and that the plant growers are taking steps along the right lines to secure results.

Jottings.

Painters and decorators were noticed at work in the Cut Flower Company's store and in those of several of the commission men this week. Many visitors are expected during the Convention, and everything is going to be made as attractive as possible.

Lager & Hurrell, orchid specialists, Summit, N. J., have just completed the erection of a new greenhouse 25x150 feet. The house is of iron framework and was built by the Lord & Burnham Co.

The committee on Hall Decoration met at the Grand Central Palace Wednesday afternoon last, and decided on a plan of decoration for that part of the interior of the building to be occupied during Convention time. With the known able talent for decorative work that the individual members of this committee possess, there is no fear but that the Convention hall will present an excellent example of decorative art, from a florist's standpoint.

W. F. Sheridan, together with Robert Craig and John Westcott, of Philadelphia, spent Wednesday fishing in Barnegat Bay.

Secretary Charles Schenck of the Sports Committee, informs us that Chicago's bowling team has entered the list for the tournament.

On the exhibition table at last Monday's meeting of the Florists' Club, there was a bunch of unnamed seedling gladioli, shown by John Lewis Childs, Floral Park, N. Y. Some fine mottled varieties were among them, and the spikes were all of good size.

C. B. Weathered left Tuesday afternoon for a brief visit to Detroit.

Frank S. Hicks, one of Brooklyn's wholesale commission men, is on a vacation.

Visitors this week included Francis A. Fitzell, seedsman and florist, Yonkers, N. Y.; J. Rupert, representing Henry A. Dreer, Inc., Philadelphia, Pa., and Mr. Williams foreman for W. N. Rudd, Mount Greenwood, Ill.

Secretary Loder, of the National Florists' Board of Trade leaves next week on a business trip to Kanopolis, Kan.

The New Jersey Floricultural Society held its first annual excursion to Swinefield Bridge, July 25. An enjoyable time was spent.

The National Florists' Board of Trade is showing its interest in the coming Convention by the issuance of an illustrated circular, tendering the freedom of the Board's offices to the delegates.

C. W. Ward is home from Detroit, where he has been staying for several weeks.

The greenhouses of Chas. Zeller & Son, Flatbush, N. Y., were entered by thieves last Sunday night. Several orange trees in fruit and some palms were stolen. It is evident that the theft was committed by some one familiar with handling plants, as two araucarias were found in the well on the day following, where they had been dropped by the thieves. The plants were tied up nicely, and this could only have been done by some one who was used to the work. The space on the benches, where the oranges had been taken from, had also been filled in by spreading the remaining plants to cover it. As Zeller's oranges are so well-known, there is some chance that they will be recovered.

Hotels in New York.

	AMER. PLAN. PER DAY.	EUROPEAN PLAN. PER DAY.	DISTANCE FROM CONVENTION HALL.
SAVOY, 59th St. and 5th Ave.		$2.00 up	1 mile.
NETHERLAND, 59th St. and 5th Ave.		2.00 "	1 "
METROPOLE, B'dway and 42d St.		1.00 "	½ "
ST. CLOUD, B'dway and 42d St.		1.50 "	½ "
MANHATTAN, Madison Ave. and 42d St.		2.00 "	⅛ "
MARLBOROUGH, B'dway and 37th St.		1.50 "	½ "
MURRAY HILL, Park Ave. and 40th St.	4.00	1.50 "	⅛ "
GRAND UNION, Park Ave. and 42d St		1.00 "	near
IMPERIAL, B'dway and 32d St.		1.50 "	¾ "
GRAND, B'dway and 31st St		1.50 "	¾ "
STURTEVANT, B'dway and 28th St.	2.50		⅛ "
MAY'S, 50 W. 28th St.		1.50 "	⅛ "
VICTORIA, 5th Ave. and 27th St.		1.50 "	⅞ "
ASHLAND, 4th Ave. and 25th St.		1.00 "	¾ "
FIFTH AVENUE, B'dway and 23d St.	5 00 up		1 "
CONTINENTAL, B'dway and 20th St.		1 00 "	1⅛ "
UNION SQUARE, Union Square and 15th St.		1 00 "	1½ "
EVERETT, Union Square and 17th St.		1.50 "	1½ "
ST DENIS, B'dway and 11th St.		1.00 "	1⅝ "
BROADWAY CENTRAL, B'dway, opp. Bond	2.50 up	1.00 "	2 "
COSMOPOLITAN, West B'dway and Chambers		1 00 "	3 "
ASTOR HOUSE, B'dway, opp. Post-office		1 00 "	3 "
HOLLAND HOUSE, Fifth Ave. and 30th St.		2.00 "	¾ "

Visiting members may have rooms reserved at any of the above hotels by applying direct, or through the Chairman of the Hotel Committee, Mr. S. S. Butterfield, P. O. Box 1697, New York, specifying grade of accomodation desired. Most New York hotels are conducted on the European plan.

Philadelphia.

Trade Notes.

For the midsummer season, the past week has been a very fair one for the cut-flower business. White flowers are mostly in demand, as, outside of funeral work, the stores are not doing much. The supply of stock is now at the lowest point, and from now on will increase. Beauty from young stock have been coming in. These have stems from 14 to 16 inches in length, and the best flowers sell at $1.50 per dozen. Kaiserin, from new stock, are also arriving, and sell at $3 and $4 per 100. Asters are becoming more plentiful; prices ranging from 75c. to $1.50 per 100.

Jottings.

Everyone who can is away at the seaside resorts fishing, etc. The excessive heat of the past two weeks has told on many. Last week this city recorded the hottest six successive days in 20 years. In spite of all this, some of the club members gather every night at the bowling alleys, and scores of 219 and 214 are on the record board.

Wm. McKesick, formerly bookkeeper for S. S. Pennock, has started as a purchasing agent for cut flowers. He will not carry stock, merely purchase on order.

Henry Pennock has purchased a locomobile. He made a trip to Cape May the past week. DAVID RUST.

Sweet peas around North Adams, Mass., have suffered severely from a green louse. One grower found a solution of whale oil soap, and water an efficacious remedy.

You'll want space in the Trade Exhibit. Manager Cleary, of 60 Vesey street, New York, is now booking orders. His last call has been issued.

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A Modern Greenhouse Plant.

Our illustrations show the mammoth greenhouse establishment of A. N. Pierson, of Cromwell, Conn., to whom we are indebted for the following particulars concerning the range:

"The location selected for the houses was an east slope, with too much pitch for the houses, necessitating a cut at the upper end, averaging about 5 feet, with a grade at the lower end averaging about 10 feet, still leaving an incline of 3 feet per 100 feet. To hold the grade I built a heavy retaining wall about 6 feet wide at the bottom, 4 feet wide at the top; said wall forms back side of the head-house, in which are placed the steam and hot water mains with the distributing pipes to each house. To prevent the houses from settling where the grading was done, we excavated for each post and placed solid brick piers 12 feet deep, 3 feet into the original soil. The wisdom of this expense has been proven by the perfect alignment maintained by the houses, while the ground around them has settled.

"You will see by looking at the picture that some of the houses are even span, some three-quarter, with short span to the south, and some three-quarter span, with long span to the south. Back of the latter is a lean-to containing smilax beds. The houses are iron structure. Near the center of the plant and immediately back of the retaining wall, I built a large cold storage room with vent pipes extending up between the greenhouses. Being deep and well shaded it makes an excellent room for cold storage.

"The floor of the head house is about 10 feet lower than the floor line of the houses; this makes the gable of the head-house about 25 feet high. All of the houses, except those for smilax, have ventilators at the top and sides, making it possible to give a perfect circulation of air at all times. The ventilation is operated by the 'Evans Challenge Ventilating Apparatus,' except where small ones were needed, in which cases I have used the 'Evans Little Giant.'

"The drainage is accomplished by a system of underground pipes so that the accumulation of water between each house is carried into the main aqueduct which leads into the rear of the property, where it runs off on the surface.

"You ask especially about the piping, which I think would require a small book if I should give you all the details. When I decided to erect these houses I simply wrote to Mr. Dean, president of the Dean Boiler Co., of Boston, told him what I had to be heated, and stated that I wanted two separate systems—a steam plant with capacity for two-thirds of the heating, and a hot water plant with capacity for about one-third. My object in having hot water is to enable me to use underneath heat in solid beds, and I have found it to be very advantageous. Desiring this feature I also put in enough hot water so that in case of an accident with the steam plant I can force the hot water plant enough to keep the houses from freezing, which, as you see, gives us a factor of safety which we otherwise would not have. I do not like hot water for Fall and Spring use, because there is too much heat to be disposed of after sunrise, whereas the steam can be cooled off quickly.

"The steam piping which Mr. Dean planned for us is something new, and it has proved as valuable as it is novel. It is what is called the single pipe system. All of the piping was planned with the expectation that at some future time I will build more houses, which can be connected without making any changes by simply connecting to the main already installed.

"To each boiler is connected an 8-inch steam pipe leading into one large common steam main. Each of these pipes is provided with an 8-inch angle valve, so that any boiler, or number of boilers, can be shut off independently. There is also in each of these pipes a double swing joint, so that the expansion of the main or branches can in no way affect the boilers.

"Leading from the boiler room through a tunnel under the head-house is a 16-inch steam main, which rises near back wall of head-house, passes over the hot water mains emptying into two 12-inch steam mains, which run along the back wall of the head-house, pitching downward in either direction, reducing in size as the branches are taken off.

"To supply steam for each three-quarter span rose house and 8-foot lean-to, a 5-inch main is taken from the side of the large main, rising vertically about 2 feet from which point they incline upward 1 inch in 4 feet into the house, where it branches off to the heating pipes, as shown on the plan. Each of the heating pipes continues to incline upwards to the far end of the house, on the same grade as the houses, i. e., 3 feet per 100 feet. At the far end the pipes are supplied with a cap and air valve. At the end of each house, next to steam main, each heating pipe has a valve which controls its respective line of pipe.

"The heating pipes are only connected together at and controlled from one end of the houses, thus saving much valuable time walking from end to end of houses to open valves, as the houses are 300 feet long. These pipes are carefully supported so as to allow for expansion and contraction. They are 2 and 2½ inches in diameter, 2 inches being the smallest pipe that can be used on this system in houses of this length; 2½ inches is the size recommended for the houses.

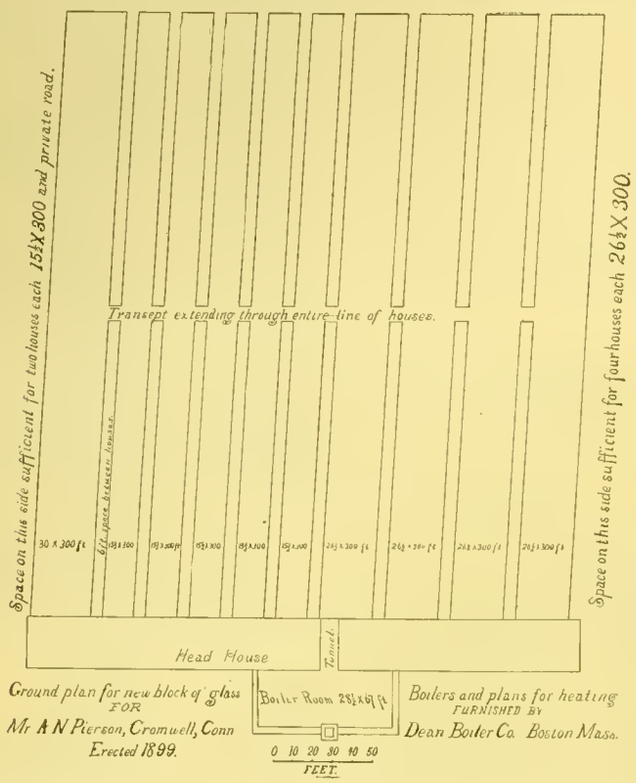
"There is not an independent return pipe for each of the different houses. The water condensed in each pipe returns along the bottom of same, back into the 5-inch pipe, which carries it to the large steam main through which it flows in the same direction that the steam travels until it reaches the far end of same, at which place it drops down and returns to the boiler through an independent return pipe designed for that purpose.

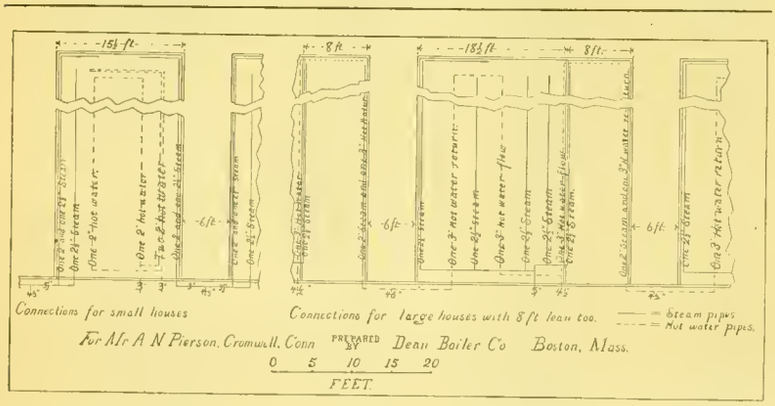
"For each 15½-foot house there is a 4½-inch branch taken from the side of the steam main, rising vertically, entering the houses, sub-divided and valved the same as in the large houses. By taking the pipe from the side of the main it gives a swing joint, so that the expansion of the large main does not have a tendency to rack or pull the houses apart. The 4½-inch branches for the 15½-foot houses are taken off between the houses, so that half of either house is supplied from these branches. This was done to save piping.

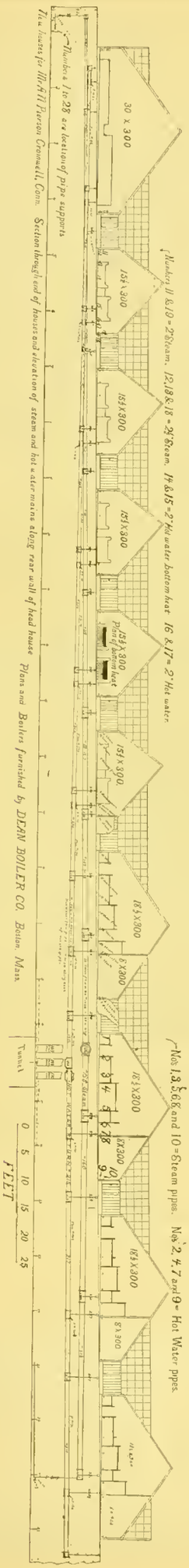
"You will notice by the sectional view of the rear wall of head-house, and main pipes shown on the upper left-hand corner of the plan of piping, that we have a walk below the main pipes, and a walk above the main pipes, so that the pipes practically occupy little or no valuable space. For the same reason the large mains were brought across under the head-house, to avoid the shadow which they would make if placed overhead.

"Referring again to the diagram, in upper left-hand corner, showing section of wall, mains and supports for same, I wish to call attention to the special manner in which the pipes are supported. Over the horizontal pipes which are bedded in the wall and supported at the opposite end by upright pipes, were placed two iron hooks, into one end of which was connected an ordinary turn buckle. Into the bottom of the turn buckle and the hook opposite same was connected a heavy iron chain, and into same were laid the mains. This not only allowed perfect freedom for expansion and contraction, but was of great value when installing the piping, as a few twists of the turn buckle would throw the pipes into perfect alignment.

"By referring to the plan of piping you will observe that the steam main leading







to the right is quite large at the far end. It was left in this condition so that I could at any future time connect to same, and add the four additional houses as suggested on the ground plan. By looking at the opposite side of the ground plan you will see that there is room for two small houses besides a large driveway. When all of these additional houses have been built the boiler house will be exactly in the middle of the plat.

"To those who have not had experience with boilers it might appear that our pipes are unduly large, but in our old plant the largest steam main is an 8-inch pipe. During the Winter just past water hammering became sufficiently severe to split a 6-inch pipe, making it necessary to replace same during severe weather. We have had no such trouble with our new plant, and do not anticipate trouble of any kind.

"The connections to the hot water boilers, both flow and return, are 8-inch pipes valved with swing joints, the same as the steam pipes, but they are planned for two flow and two return pipes to each boiler. The 14-inch hot water main parallels the 16-inch steam main through the tunnel, rises up the rear wall of head house and distributes into two 10-inch hot water mains, which incline upward in either direction with branches for each house taken out of the side of the main, rising vertically and entering the houses with distributing pipes, the same as the steam pipes. The flow pipes rise gradually from the boiler to the far end of houses; and returns pitch downward from that point back to boilers.

"For each three-quarter span house with lean-to there is a 4½-inch hot water branch with its sub-divisions inside of houses, and for each 15½-feet house there is a 3-inch hot water branch, with its sub-divisions. In the 15½-foot houses there are two solid beds at the bottom of which there is about one foot of loose laid stones, on top of which is the soil. Through the bottom of the stones, in a little archway, are laid two 2-inch hot water pipes valved at both ends, so that in case of a leak at an unaccessible point they can be entirely shut off. These pipes are for underneath heat. The hot water pipes, both mains and branches, are supported in the same manner as the steam mains and branches. The main hot water return pipe parallels the main flow pipe along the rear wall of head-house, and lies between it and the large steam pipe in tunnel. Being large pipe with sufficient capacity the hot water pipes in houses farthest from the boilers heat up as quickly as those in the houses nearest to the boilers, showing that the system is well planned.

"These hot water mains are planned for future connections for additional houses the same as the steam mains.

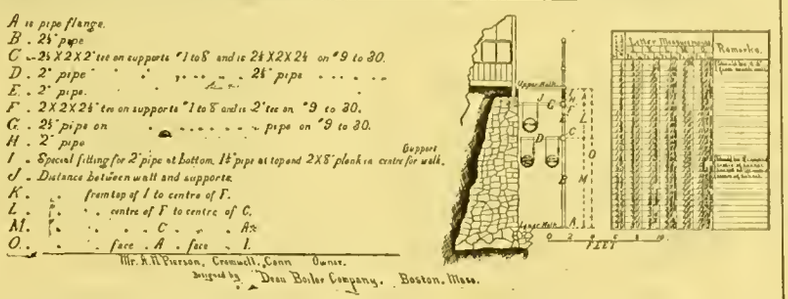
"The hot water heating pipes in the three-quarter span houses with lean-tos are all 3-inch pipes, while those in the smaller houses are 2-inch pipes.

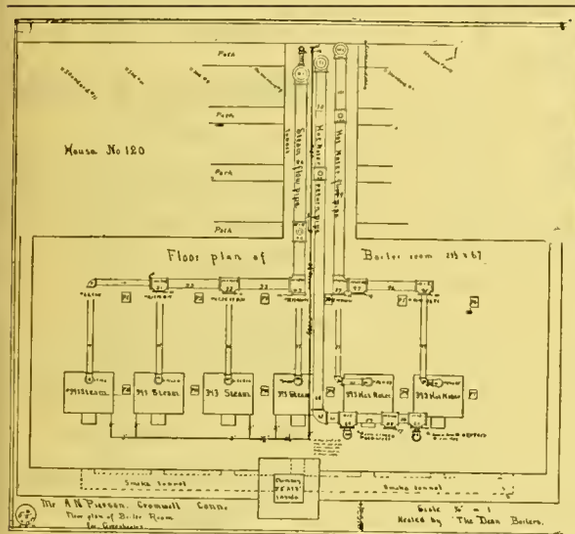
"The boilers are manufactured by the Dean Boiler Company, of Boston, Mass. They are cast iron sectional boilers, each section being complete within itself, i. e., each section forms its own outside wall surface, forms its own headers (through the large push nipple) for both steam and hot water, has its own direct fire surface in the fire-pot, has its own indirect fire surface apart from the fire-pot, forms its own ash-pit, and takes just one grate bar. This being so, the capacity of the boiler can be increased at will, by simply removing the front section, putting in one or more intermediate sections, and returning the front to its position. The heating surface in the boiler is confined to side wall and ceiling surface. The boiler is practically self-cleaning, all of the fire surface is accessible to a brush which can be manipulated through the fire or clean-out doors; however, the only cleaning we have ever done has been to brush out at the bottom of smoke ways on the sides, which is a very easy matter, consuming but little time.

"The connections between the grate bars are all made outside of the boiler, which renders it very convenient to detach them whenever such is necessary.

"The manufacturer furnishes asbestos cement for covering the entire outside surface of the boiler, which retains the heat most effectively.

"Last, but not least, I have found the boilers to be very economical in the consumption of fuel, which, in my estimation, is one of the points to be considered when placing an order for a boiler."







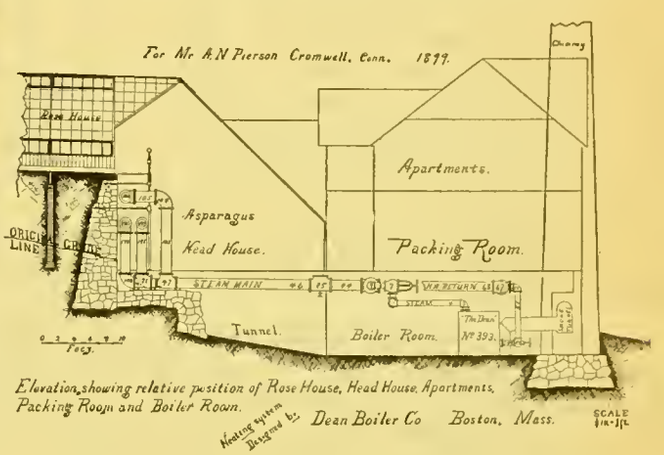
Some of the earlier rooted plants will now be making an early bud. Some growers call it the Summer bud, some, the July bud, and others, the first crown. What to call it is of little moment. It isn't the bud to keep; rub it out and take on the best of the shoots that appear round it. If kept to the one shoot, of course the stem will be stronger and the flower correspondingly larger; but if a medium grade flower only is needed, three shoots can be taken up from this "break," and this is the system generally followed by the commercial grower.

Staking should be finished before the plants are very high. It is more than twice the work if the plants are falling about all over before this is done. Some growers prefer to use cheap string, but we use a wire stake, held up by a wire running lengthways of the bench, and catching the stake about half way up. Tie each stake to the wire securely, or use a rubber band, and then you have a support that you can tie your plants to firmly, which is a great help sometimes if the stem gets crooked.

We have been pestered by an insect that gnaws a ring around the plants at the ground line. This pest, unless we are mistaken, is the army worm. You will find him in a hole in the soil during the day time, and if you see a plant with the bark stripped off at the bottom, it will pay you to look for him.

If the bench plants have made good growth and the soil is full of roots, a light mulch of rotten cow manure will be a great help at this time. It keeps the soil from drying out so rapidly, and the way the roots will run into it will soon show you how they appreciate it.

The novelties are now beginning to show their individuality, so far as growth is concerned, and so far Colonel Appleton takes the lead. It is a good, clean grower, comes away freely from the bud, and conducts itself excellently throughout. Comparing Appleton with the growth that Gold Mine is making, and recalling that these two varieties were the chief contestants for the silver cup offered by C. S. A. last year, for the seedling scoring most points, it looks as if the Society made a mistake in not awarding the prize to Appleton. Time will show when both kinds are more generally grown. Souci is a dwarf grower and seems to be afflicted with a peculiar leaf disease, which, however, it may grow out of. White Bonnaffon has got to pick up a good deal, if it is going to make the ideal commercial white. The foliage runs small and measly, and the plants at the present time may be classed as unsatisfactory. Over-propagation may be at the bottom of the trouble, and the first year is hardly a fair criterion of a variety.



June struck cuttings that it is purposed to flower in six-inch pots, should now get their final potting, and if the pots can be plunged in some coal ashes, spent hops, or any like material, the plants will be materially benefited. All pot plants, in fact, are better plunged for the next two months, unless you can afford the time to stand over them with the hose.

IORA.



Heating System at A. N. Pierson's Greenhouses

Showing a section of the mains where they emerge from the tunnel: also the large hot water heater suspended between the pipes The water passing through the heater is warmed by means of a large coil inside. The large pipe above number one is the hot water flow pipe, above number two is the hot water return pipe, above number three is the large 16 inch (O D) steam pipe.

Roses.

Editor Florists' Exchange.

In your reply to query No. 136 you recommend the growing of roses in pots for the planting of a house that will not be ready for planting until September. In California many of the leading growers for the San Francisco market never plant their houses until September, using low budded, field-grown plants, which are, by that time, perfectly dormant; and the same will produce their first crop of flowers within six weeks, and will continue to bloom throughout the season, producing the finest quality of flowers. In many cases, too, they are carried over into the next season, with excellent results; and I see no reason why the same results may not be obtained in the eastern states.

JOHN GILL, Cal.

The American Carnation Society.

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Roses	A. BEAUTY, fancy—special	10.00 to 20.00	12 50 to 20.00	.... to 25.00	.... to	20.00 to 25.00
	" extra	8.00 to 10.00	5.00 to 10.00	15.00 to 20.00	.... to	10.00 to 20.00
	" No. 1	3.00 to 5.00	3.00 to 6.00	1.50 to 12.00	6.00 to 12.00	5.00 to 8.00
	" Culls & ordinary	.50 to 3.00	1.00 to 2.00	.75 to 5.00	3.00 to 6.00	.... to ....
	Bride, 'Maid, fancy—spc'l	3.00 to 4.00	.... to	2.00 to 5.00	.... to	2.00 to 6.00
	" extra	2.00 to 3.00	.... to	2.00 to 5.00	2.00 to 4.00	2.00 to 6.00
	" No. 1	1.00 to 2.00	3.00 to 4.00	.... to	2.00 to 4.00	.... to ....
	" No. 2	.50 to 1.00	.50 to 1.50	.... to	.... to	.... to ....
	K. A. Victoria	3.00 to 5.00	2.00 to 8.00	2.00 to 6.00	2.00 to 5.00	2.00 to 6.00
	La France	.... to	.... to	3.00 to 5.00	2.00 to 5.00	.... to ....
	Meteor	1.00 to 4.00	1.00 to 4.00	2.00 to 5.00	2.00 to 4.00	2.00 to 5.00
	Papa Gontier	.... to	.... to	.... to	.... to	.... to ....
	Perle	1.00 to 2.00	1.00 to 4.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
	Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
	ORCHIDS—Cattleyaa	25.00 to 35.00	.... to	35.00 to 50.00	.... to	.... to ....
	Cypripediums	.... to	.... to	.... to 15.00	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	.... to	.... to	.... to ....
	Inf'r grades, all colors	.50 to .75	.40 to .50	.... to .5	.50 to .60	.30 to .50
Carnations	STANDARD VARIETIES White	.50 to .75	.40 to .50	.75 to 1.00	.75 to 1.00	.60 to 1.00
	STANDARD VARIETIES Pink	.50 to .75	.40 to .50	.75 to 1.00	.75 to 1.00	.60 to 1.00
	STANDARD VARIETIES Red	.50 to .75	.40 to .5	.75 to 1.00	.75 to 1.00	.60 to 1.00
	STANDARD VARIETIES Yel.&Var	.50 to .75	.40 to .50	.75 to 1.0	.... to	.... to ....
	*FANCY— White (*The highest grades of standard var)	1.00 to 1.25	.... to 1.00	1.00 to 1.50	1.25 to 2.00	1.25 to 2.00
	*FANCY— Pink	1.00 to 1.25	.... to 1.00	1.00 to 1.50	1.25 to 2.00	1.25 to 2.00
	*FANCY— Red	1.00 to 1.25	.... to 1.00	1.00 to 1.50	1.25 to 2.00	1.25 to 2.00
	*FANCY— Yel.&Var	1.00 to 1.25	.... to 1.00	1.00 to 1.5	.... to	.... to ....
	NOVELTIES	1.00 to 1.25	.... to 1.00	1.00 to 2.00	.... to	.... to ....
	ADIANTUM	.50 to .60	.... to .50	.75 to 1.00	.... to 1.00	.75 to 1.00
	ASPARAGUS	35.00 to 40.00	.... to 50.00	35.00 to 50.00	25.00 to 75.00	50.00 to 60.00
	ASTERS	.30 to .50	.60 to 1.00	.75 to 1.50	.50 to .75	.75 to 1.25
	CALLAS	.... to	3.00 to 4.00	.... to	.... to	.... to ....
	DAISIES	.... to	.... to	.... to	.... to	.... to ....
	GLADIOLUS	1.00 to 1.5	2.00 to 4.00	2.00 to 5.00	.... to 4.00	2.00 to 3.00
	IRIS	.... to	.... to	.... to	.... to	.... to ....
	LILIES	2.00 to 4.00	2.00 to 4.00	2.00 to 6.00	.... to	10.00 to 12.00
	LILY OF THE VALLEY	1.00 to 2.00	.... to	3.00 to 4.00	.... to	3.00 to 4.00
	MIGNONETTE—ordinary	.25 to 1.00	.75 to 1.00	.... to	.... to	.... to ....
	MIGNONETTE—fancy	.... to	.... to	.... to	.... to	.... to ....
	PÆONIES	.... to	.... to	.... to	.... to	.... to ....
	SMILAX	8.00 to 10.00	10.00 to 12 50	10.00 to 15.00	12.00 to 25.00	10.00 to 15.00
	SWEET PEAS	.10 to .25	.05 to .10	.15 to .30	.... to .30	.25 to .50
	TUBEROSES	.... to	.... to	.... to	.... to	.... to ....

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

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Pink Pond Lilies
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FLORISTS' VASES.
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...Wholesale Prices of Cut Flowers...

	Name and Varieties	Chicago July 24, '00	St. Louis July 23, '00	Cincinnati July 23 '00	Milwaukee July 23 '00	Pittsburg July 23 '00	Toronto July 11, '00
Roses	A. BEAUTY, fancy—special	15.00—20.00	....—	....—	15.00—25.00	20.00—25.00	....—25.00
	" extra	10.00—12.00	....—	....—	10.00—12.5	10.00—15.00	....—10.00
	" No. 1	5.00— 8.00	....—	....—	6.00— 8.00	5 00— 8.0	....— ....
	" Culls & ordinary	2.00— 3.00	....—	....—	3.00— 5.00	2.00— 4.00	....— 5.00
	Bride, Maid, fancy-spec'l	....—	2.00— 3.0	3.00— 4.00	4.00— 6.00	....—	....— ....
	" extra	3.00— 4.00	2.00— 3.00	3.00— 4.00	4.00— 6.00	2.00— 6.00	1.00— 6.00
	" No. 1	1.00— 2.00	....—	....—	....—	2.00— 6.00	1.00— 6.00
	" No. 2	....—	....—	....—	....—	....—	1.00— 4.00
	K. A. Victoria	2.00— 5.00	....—	....—	4.00— 6.0	2.00— 6.00	....— ....
	La France	4.00— 5.00	....—	....—	....—	2.00— 4.00	....— ....
	Meteor	2.00— 5.00	2 00— 5.00	3.00— 4.00	4.00— 6.00	2.00— 4.0	1.00— 6.00
	Papa Gontier	....—	....—	....—	....—	....—	....— ....
	Perle	1.00— 3.00	....—	2.00— 3.00	3.00— 4.00	2.00— 4.0	1.00— 4.00
	Souv. de Wootton	....—	....—	....—	....—	....—	1.00— 6.00
	ORCHIDS—Cattleyas	....—	....—	....—	....—	....—	....— ....
	Cypripediums	....—	....—	....—	....—	....—	....— ....
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	Inf'r grades, all colors	.40— .50	.75— 1.00	.50— .75	....— 1.00	.50— .75	....— .50
	STANDARD VARIETIES White	.75— 1.50	1.00— 1.25	1.00— 1.50	....— 1.00	1.00— 1.25	1.00— 2.00
	STANDARD VARIETIES Pink	.75— 1.50	1.00— 1.25	.75— 1.00	....— 1.00	1.00— 1.25	1.00— 2.00
	STANDARD VARIETIES Red	1.00— 1.50	1.00— 1.25	....—	....— 1.00	1.00— 1.25	1.00— 2.00
	STANDARD VARIETIES Yel.&Var.	.75— 1.00	1.00— 1.25	....—	....— 1.00	1.00— 1.25	1.00— 2.00
	*FANCY— (*The highest grades of standard var) White	....—	1.50— 2.00	....—	....— 2.00	1.50— 2.0	....— ....
	*FANCY— (*The highest grades of standard var) Pink	....—	1.50— 2.0	....—	....— 2.00	1.50— 2.0	....— ....
	*FANCY— (*The highest grades of standard var) Red	....—	1.50— 2.00	....—	....— 2.00	1.50— 2.00	....— ....
	*FANCY— (*The highest grades of standard var) Yel.&Var.	....—	1.50— 2.0	....—	....— 2.00	1.50— 2.0	....— ....
	NOVELTIES	....—	1.50— 2.0	....—	....— 2.0	....—	....— ....
	ADIANTUM	.50— .75	.60— 1.00	....— 1.00	.75— 1.00	.75— 1.00	....— .50
	ASPARAGUS	30.00—40.00	....—	....—	...—60.00	35.00—50.00	30.00—50.00
	ASTERS	.75— 1.50	1.00— 2.50	1.50— 2.00	.50— 1.00	1.00— 3.00	....— .60
	CALLAS	....—	....—	....—	....—	....—	....— ....
	DAISIES	.15— .25	....—	....—	....— .50	.10— .25	....— ....
	GLADIOLUS	2.00— 3.00	2.00— 4.00	3.00— 5.00	4.00— 5.00	4.00— 6.00	....— ....
	IRIS	....—	....—	....—	....—	....—	....— ....
	LILIES	8.00—10.00	....—	10.00—12.50	....—15.00	....—	....— 6.00
	LILY OF THE VALLEY	....—	....—	....—	....—	2.00— 4.00	....— 2.00
	MIGNONETTE—ordinary	....—	....—	....—	....—	....—	....— ....
	MIGNONETTE—fancy	....—	....—	....—	....—	....—	....— ....
	PÆONIES	....—	....—	....—	....—	....—	....— ....
	SMILAX	8.00—10.00	....—12.50	....—15.00	(2.50)—15.00	12.50—15.00	....— ....
	SWEET PEAS	.05— .10	....—	....— .15	.15— .2	.10— .30	.20— .50
	TUBEROSES	3.00— 4.00	....— 5.00	3.00— 4.00	....—	....—	....— ....

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Galax Leaves Brilliant Bronze or Green, $1.50 per 1000.
FANCY FERN, DAGGER FERN, Etc., at Market Prices.
HARRY A. BUNYARD, 42 W. 28th St., New York.
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New Orleans, La.

The New Orleans Horticultural Society held its annual excursion on July 14, again to Grand Isle. The members chartered a steamer and left Saturday morning early, returning Monday evening. It was one of the best outings ever enjoyed by the Society. All kinds of sports were indulged in—fishing, hunting, shooting, bathing, etc. The wants of the inner man were well looked after by the Society, and almost everyone had private stores in case of emergency.

The island itself is just about the same as we found it last year. The great storm of 1894 seems to have discouraged the planters. Cauliflowers are grown here to perfection during the Winter months and shipped all through the western and eastern states; also cucumbers. The soil is pure white sand, and the only fertilizer used is fish, which is added by the ton.

There was a grand ball given on the Island in honor of the visitors, which both the old and young members thoroughly enjoyed.

Horticultural Society.

The annual election of officers of the Horticultural Society took place on the 20th with the following result: Paul Abele, president; C. Eble, vice-president; John Eblen, treasurer; Dan Newsham, secretary.

After the election a nice supper was served downstairs, and a pleasant time was spent until a late hour.

Jottings.

News just received from Europe tells us that C. Holst is having a good time on the Rhine. He is expected home in September. Mr. Fonta is expected back here in October, after spending two years in France.

M. Cook & Son have just built a new palm house, 65 x 20 feet, butted glass. They are now busy re-glazing their show house; they have added an extra house of roses this year; one house of Perle is looking grand. They have re-leased their store on Canal street. U. J. Virgin is building several dwelling houses on his back square.

E. Valdejo is building two houses, and A. H. Ahten is building three houses, each 200 feet long, for cucumbers.

P. Chopin is about taking a store on St. Charles avenue.

J. H. Menard will remove to a new store now building on Barronne street in front of the new theatre. A new firm has just started to build rose and carnation houses. They intend to supply our home florists, and have established themselves a short distance out of town, on some of the best rose land that is to be found anywhere in the states. The writer hopes success will follow their venture.

John St. Mard is building a small house for palms, etc.

Abele Bros. will put in a new heater this Summer.

Our seedmen are just beginning to get ready for business, which commences next month.

C. H. Eichling reports a great increase in the commission seed business; he has boxes out in most of the southern states.

H. P.

MERCER FLORAL CO.,
CARL E. TAUBE, Proprietor.
Wholesale & Retail Cut Flowers
CARNATIONS A SPECIALTY.
TRENTON, N. J.
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Galax Leaves
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NEW CROP
CROWL FERN CO.
Northern Ferns
NOW READY, 50c. per 1000 LAUREL FESTOONING, 4c. to 6c. a yd. Best goods always.
CROWL FERN CO., Millington, Mass.
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Primula Chinensis, Cineraria Hybrida.

Strong plants, from flats, $1 50 per 100; out of 2 inch pots, $2.00 per 100. ☞ Cash with Order.

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ALTERNANTHERAS

P. Major and A. Nana, 2 in pots, $1.50 per 100.

COLEUS.

Crimson Verschnffelt II and Golden Queen or Bedder, or mixed, 2 in. pots, $1.50 per 100.

Giant Sweet Alyssum and Variegated Alyssum, 2 inch pots, $1 50 per 100. Cash with order

C. A. HARRIS & CO., Delanson, N. Y.

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ASTER PLANTS

Fine, stocky plants from the field.

Ostrich Feathers, Queen of the Market, Semple's, Victoria, Vick's and Truffaut's Perfection, 35c. per 100; 500 for $1.00; $1.75 per 1000.

J. C. SCHMIDT, Bristol, Pa.

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ALTERNANTHERA.

Red, per 100, $2.00; per 1000, $18.00.
Yellow, " 1 75; " " 15 00.

	Per 100
Verbenas, Mammoth, 2 in	$1.00
Kudbeckia, Golden Glow, 2½ in.	2.00
Abutilon, Souv. de Bonn, 3 in	2.50
Fuchsias, best mixed varieties, 3 in	3.00
Petunias, Single, 3 in	3.00
Cigar Plant, 3 in	2 50
Coleus, Golden Bedder, 2 in	2.00
Lantanas, Mixed, 3 in	3.00

Satisfaction Guaranteed. Cash with Order.

GEO. L. MILLER, Newark, Ohio.

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DO YOU WANT ANY?

Hardy Ivies, 3 feet high, bushy plants, $3.00 per doz.

Chrysanthemums, good stock, from 4 in. and 5 in. pots, $10.00 per 100.

Assorted Geraniums, stock plants, at $10.00 per 100.

Selaginella, strong, 3½ in. pots, at $6.00 per 100.

Assortment Flowering Begonias, from 3 in. pots, at $4.00 per 100.

Geranium Mars, 1 year old plants, 5 in. pots, $3.00 per doz.

The Above is all Good, First-Class Stock.

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KENTIA BELMOREANA and **FORSTERIANA,** 2½ in., 10c.; 3 in., 15c.; 4 in., 35c.; 5 in., 50c. each.

ARECA LUTESCENS, 3 in., 3 plants to pot, 15c.; 4 in., 25c. each. All cool grown, nice clean stock, and cannot be duplicated anywhere for the money.

ROSE BRIDESMAID, 3 in., $5 00 per 100.

SWORD FERN, Nephrolepis Cordata Compacta, 2½ in., $3.00 per 100.

SMILAX, 2 in., $2.00 per 100.

REX BEGONIA, finest varieties, 2½ in., $4.00; 3 in., $6.00 per 100.

GERANIUMS, double and single, Grant, Mme Bruant, Mrs E. G. Hill, Poitevine, Bonnat and S. A. Nutt, 3 in., $5.00 per 100.

CAMPBELL VIOLET and **VINCA VAR.,** 2½ in., $3.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

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For Immediate Shipment.

Cyclamen Persicum Splendens Giganteum, finest strain in the world. Now ready to ship, a splendid stock of plants in 4 true colors, red, white, pink, and white with carmine eye, from 2½ in. pots, $5.00 per 100; $40.00 per 1000; from 3 in. pots, $7.00 per 100; $65.00 per 1000; 250 at the 1000 rate.

Special Offer. Cinerarias Hyb. Max Grandiflora and Maxima Grandiflora Nana; strain superb in every way, transplanted from flats: strong plants, $1.50 per 100; $12.50 per 1000; 250 at the 1000 rate.

Chinese Primroses (ready Aug. 15th), in the finest market varieties, including blue, double white and red, from 2½ in. pots, $2.50 per 100. All Stock Guaranteed A No. 1.

PAUL MADER, East Stroudsburg, Pa.

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PLANTS AND ROOTED CUTTINGS

	Per 100
Asparagus—	
Plumosus, 2¼ in	$5 00
Sprengeri, 2 in	3.00
" 2¼ in	4.00
Begonia, Rex, 2¼ in	4.00
" " 3 in	6.00
" " 3½ in	8.00
Baby Primrose, 2¼ in	4 00
Coleus, "Fancy," 2¼ in	3 00
Cuphea (Cigar Plant) 3 in	3.00
Cyperus (Umbrella Palm) 2¼ in	4.00
Dracæna Ind., 3 in	6.00
" " 5 in	25.00
" " 8 in., extra	50.00

	Per 100
Fuchsia, 2¼ in	$3 50
" 3 in	4.00
Palm, Washingtonia Filifera, 2¼ in	4.00
3 in	6.00
Maurandya, 2¼ in	2.00
Geraniums—	
Ivy, 3½ in	4.00
S. A. Nutt, Dbl. Grant, La Favorite, Eliza, Gloire de France, etc., 2¼ in	3.00
Happy Thought, 2¼ in	4.00
Dbl. New Life, 2¼ in	6 00
Heliotrope, 2 in	3 00

	Per 100
Heliotrope, 4 in	$6.00
Hydrangea, pink and white, 2¼ in	5.00
Impatiens Sultani, 2¼ in	3.00
Lemon Verbena, 2 in	3.00
Pansy Plants	1.50
Var. Trailing Abutilon, 2¼ in	4.00
Violets, Farquhar, 2¼ in.	2.50
" " 3 in	3 50
Vinca, 2¼ in	3.00
" 3 in	5.00
" 4 in	10.00
" 5 in	15.00

Rooted Cuttings.

	Per 100
Anthemis Cor., Dbl. Yellow Marguerite	$1 50
Begonia Rex	2.00
Forget-Me-Not, (Winter-flowering)	2 00

	Per 100
Geraniums—	
Sweet, in variety	1.50
Named	1.50
Bronze, Silver Leaf	1.50

	Per 100
Geraniums—	
Happy Thought, Mrs. Pollock	2.00
Vinca, per 1000, $10 00;	1.25
Snow Crest Daisy	2 00

Write us for prices on 1000 lots. Terms, Cash or C. O. D.

GREENE & UNDERHILL, Watertown, N. Y.

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CHINESE PRIMROSES

50,000 Finest large-flowering fringed, per 1000, $18.00; per 100, $2.00.
Obconica grand. fimbriata, Rosea and Forbesi, per 100, $2.00.

ASPARAGUS SPRENGERI, $3.00 per 100. PLUMOSUS, $4.00 per 100.

PANSY SEED Large Flowering, per ounce, $4.00.

CINERARIA, August 20, $2.00 per 100.

Cash, please. JOS. H. CUNNINGHAM, Delaware, Ohio

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CHRYSANTHEMUMS

Now is the time to plant them. We offer extra fine vigorous plants, from 2 and 2½ inch pots. Everybody likes them; they are so strong and healthy that they surprise all of our new customers; our old customers, of course, always know what to expect, but even they occasionally tell us that our stock is getting better all the time. Following is a partial list.

EARLY	100	MID-SEASON	100	LATE	100
Ivory	$3 00	Major Bonnaffon	$3 00	Mrs. J. Jones	$4 00
M. Henderson	3 00	Wm. Simpson	3 00	Liberty	4 00
Geo. S. Kalb	3 00	V. Morel	3 00	Merry Xmas	4 00
Merry Monarch	3 00	G. W. Childs	4 00	Autumn Glory	3 00
Willowbrook	4 00	H. W. Longfellow	3 00	E. Dailledouze	4 00
M. de Montmort	3 00	Mrs. Murdoch	3 00	Golden Wedding	4 00
Mrs J. Whilldin	3 00	Mrs. T. L. Park	6 00	Nagoya	6 00
John K. Shaw	5 00	Black Hawk	4 00	Xeno	6 00
Golden Trophy	3 00	Mrs. C. H. Pierce	3 00	Harry Balsley	3 00
Glory of the Pacific	3 00	Mrs. H. Robinson	3 00	Adula	3 00
		Niveus	3 00	Mrs. Baer	8 00

In addition to the above we have a large list of new and other standard sorts. Send for complete list.

H. WEBER & SONS, OAKLAND, MD.

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ACALYPHA SANDERI

2½ inch, $3.00 per 100.

CRIMSON RAMBLER ROSES We will have a fine lot of field plants for winter forcing. Orders taken now

THE CONARD & JONES CO., West Grove, Pa.

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HELIOTROPE

2 inch, $2.00 per 100.

Merry Christmas 'Mums, 2 inch, $2.00 per 100.

Baby Primrose, $1.50 per 100.

Smilax, from flats, $1.00 per 100.

Geraniums, 4 inch, single Gen. Grant, $6.00 per 100.

CASH WITH ORDER.

WM. KEIR, - Pikesville, Md.

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CHRYSANTHEMUMS

5000 Ivory
1000 Mme. F. Bergmann

$3.00 per 100; $25.00 per 1000

Also many other varieties in limited quantity.

NATHAN SMITH & SON, Adrian, Mich.

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GERANIUM AMERICA

The Queen of all Geraniums; come and see 3000 plants in full bloom. Good, strong stock plants, out of 4 inch pots, $2.50 per doz.; $20.00 per 100.

HENRY EICHHOLZ, Florist, Waynesboro, Pa.

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Hitherto advertised as COMMERCIAL PLANTS. will be ready for delivery July 18, 1900. A two hundred page book, of inestimable value to all, for only $1.00.

A. T. DE LA MARE PTG. & PUB. CO., Ltd.
P. O. Box 1697, New York.

60,000 DAHLIAS

For Fall Delivery.

All the best and newer varieties. Stock first-class. Prices right.

A. B. DAVIS & SON, Purcellville, Va.

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THE MORRIS FLORAL CO.,
WHOLESALE GROWERS OF
Plants and Rooted Cuttings,
MORRIS, ILLINOIS.

Mention the Florists' Exchange when writing.

J. E. FELTHOUSEN,

Rooted Cutting Specialist,
SCHENECTADY, N. Y.

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GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing.

CARNATIONS

WM. SWAYNE, Kennett Square, Pa.

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GEO. A. RACKHAM,
Wholesale Grower of
Carnations and Small Ferns,
880 Van Dyke Ave., Detroit, Mich.

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WM. MURPHY,

Wholesale Carnation Grower.

Sta. F., CINCINNATI, O.

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CARNATIONS

F. DORNER & SONS CO., LaFayette Ind.

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ORCHIDS

Arrived fresh from the woods in fine condition. **Lælia Anceps, L. Autumnalis, L. Crispa, L. Finya, L. Grandis, Tenebrosa, L. Perrinii, Oncidium Varicosum Rogersii, Cattleya Percivaliana,** and **C. Mossiæ.**

CORRESPONDENCE SOLICITED.

LAGER & HURRELL, Summit, N. J.

Mention the Florists' Exchange when writing.

VIOLETS

From pots, A1 stock, free from disease: **Lady Campbell, M. Louise** and **Farquhar,** $2.50 per 100; $20.00 per 1000. **New Imperial,** $3.00 per 100; $25 00 per 1000.

ROSES Fine plants of **Meteor** and **Perle** from 3 in pots, $4.00 per 100, $35.00 per 1000, also 3 inch **'Maids** and **Brides,** same price.

300 BUSHY SMILAX Plants, 2½ in. pots, $1.50 per 100.

CRABB & HUNTER, Grand Rapids, Mich.

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Marie Louise Violet Plants

Clean, Healthy Stock.

From soil, $2.25 per 100; $20.00 per 1000.

Cash with order.

L. R. LANE, Babylon, L. I., N.Y.

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POTTED PLANTS
THE GREEN SPRINGS FLORAL CO.

WALDROP, VA.

Farquhar Violet	per 1000, $20 00
Lady Hume Campbell	" 15 00
Princess of Wales	" 12.50

Also field-grown plants of the different varieties, at the same figures as the potted plants. Guaranteed clean of all diseases. Money must accompany all orders.

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STOCK THAT WILL PLEASE

ROSES, Meteor, Bride and 'Maid, strong, 3½ in. pots, $4.00 per 100.

ASPIDISTRA, Green, $5.00 per 100.
" Variegated, $8.00 per 100.

SMILAX, strong, 2 in., $1.50 per 100.

JERUSALEM CHERRY, 2 in., $1.50 per 100.

FICUS, top cutting, fine, $18.00.

A. C. FEHR, Belleville, Ills.

Mention the Florists' Exchange when writing.

SYRACUSE, N. Y.—P. R. Quinlan has purchased the entire plant of Smith, Powell & Co. Robert Bard will continue in active charge of the greenhouse plant as heretofore. His stock of roses is, if possible, finer this year than usual.

L. E. Marquisee has greatly improved the appearance of his plant by bringing each house in a line with his frontage. The Marquis will be seen to better advantage; now 'tis in the field and doing splendidly. I took a look at the White Marquis through a wire screen (it is jealously guarded). The habit of the plant is identical with that of The Marquis.

AUBURN, N. Y.—A pretty conceit as a decoration for a wedding was recently effected by Alfred Patrick in banking a mirror from the ground to the ceiling with fancy-leaved caladiums, Cocos Weddeliana and Asparagus plumosus. The base was filled with caladiums and Adiantum Farleyense. One rich group consisted of Caladium argyrites, and other silver-mottled varieties with the scarlet, Anthurium Scherzerianum. Mr. Patrick is busy rebuilding and making an effort to be through in time to don his convention garb.

GENEVA, N. Y.—W. & T. Cass anticipate a big demand for h. p. roses the coming Fall. If the season is propitious they may make an exhibit at the Pan-American, having several thousands planted, in anticipation for such a purpose.

W. M.

We have facilities everywhere } FOR HANDLING COLLECTIONS FOR SECURING REPORTS....
FOR INFORMATION WRITE
THE NATIONAL FLORISTS' BOARD OF TRADE.
C. S. LODER, Sec'y, 271 Broadway, New York.
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30 VERY FINE PLATE BOOKS
—FOR SALE—
Leather bound; nearly new; some never having been used. 125 plates in each—Roses and Ornamentals exclusively.
$1.50 each.
Address V. N., care Florists' Exchange.
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FRUIT AND FLOWER PLATES
Seed Packets and Supplies of all kinds for
NURSERYMEN, FLORISTS and SEEDSMEN
SEND FOR PRICE LIST.
Stock Cuts, 10c. per square inch. Engraving by all processes. Printing and lithographing.
Illustrated Catalogues a Specialty.
VREDENBURG & CO., - Rochester, N. Y.
Mention the Florists' Exchange when writing

SHEEP MANURE
Cleaned and Prepared Expressly for Florists' Use.
You will find it the genuine article. For reference as to its being first-class, I refer you to Henry F. Michell, 1018 Market Street, Philadelphia, Pa. Trial bags of 150 lbs., $2.50; per ton, $35.00. One quarter ton at ton rate. CASH WITH ORDER.
GODFREY ASCHMANN, 1012 Ontario Street, Philadelphia, Pa.
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HEADQUARTERS FOR
COCOA FIBRE, SHEEP MANURE, BONE, all grades, IMPORTED SOOT, CLAY'S FERTILIZER, SPHAGNUM and GREEN MOSS, RUSTIC WORK, all kinds.
DUNNE & CO. 50 West 30th St. New York.
HORTICULTURAL SUPPLIES.
Mention the Florists' Exchange when writing.

GEORGE RIPPERGER,
SHEEP MANURE
I have now on hand a large quantity of A1 SHEEP MANURE.
Send for PRICE LIST and SAMPLE.
Best Fertilizer for Top Dressing.
Office, 207 Academy St., Factory, Seventh St., LONG ISLAND CITY.
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IMP.
YOU SHOULD KNOW WHAT NOTED GROWERS SAY
Imperial Liquid Plant Food DOES.
Inodorous, not expensive. Full information, booklets, prices on request. Leading Eastern Dealers handle it. Eastern Chemical Co., Mfrs., 620 Atlantic Avenue, Boston, Mass.
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CYPRESS


Green House Material
Hot Bed Sash. Red Cedar Posts.
Write for circulars or estimate.
LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.
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SIGMUND GELLER,
Importer, Jobber and Manufacturer of
FLORISTS' SUPPLIES
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108 West 28th St., Near 6th Avenue, New York City.
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ROSE STAKES
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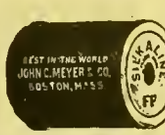
Supplies
For Florist, Store and Greenhouse; Wire Frames, Cape Flowers, Cycas Leaves and Wreaths, Metal Designs, Wheat Sheaves, Etc. Also Seeds and Bulbs. Send for latest lists to
AUGUST RÖLKER & SONS, 52 DEY ST. NEW YORK.
Mention the Florists' Exchange when writing



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To String your Smilax, when you use the
Meyer Green Silkaline,
Samples and prices free.
FOR SALE BY LEADING JOBBERS.
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Flowers AND Floral Designs
Twelve pages and handsome cover Shows forty-one arrangements, with prices. For agents' use or promoting out-of-town trade.
Sample, 40c. in stamps. Circular Free.
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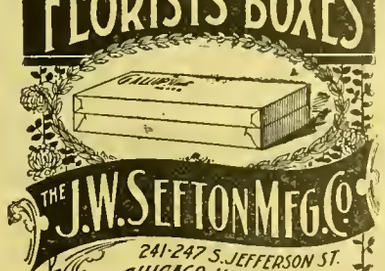
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THE FLORISTS' HAIL ASSOCIATION
Insures 13,000,000 sq. ft. of glass and has $7,500.00 Reserve Fund. For particulars address
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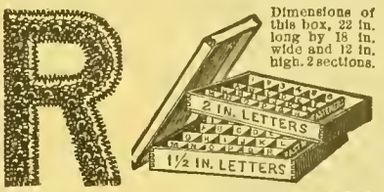
BOSTON FLORIST LETTER CO.
Manufacturers of FLORISTS' LETTERS.


Dimensions of this box, 22 in. long by 18 in. wide and 12 in. high. 2 sections.
This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1½ or 2 inch size, per 100, $2.00.
Script Letters, $4.00.
Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.
N. F. McCARTHY, Treas. & Manager,
FACTORY, 13 Green St. BOSTON, MASS. OFFICE, 84 Hawley St.
Mention the Florists' Exchange when writing


Hundreds of Florists ARE USING OUR
PULVERIZERS
You can regulate it. Send for list of testimonials. Pat. allowed Feb. 25, 1900.
No. 1, $5.00; No. 2, $10; No. 3, $20.
The Florists' Supply Co.,
No. Tonawanda, N. Y.

GALVANIZED STEEL
Wire Rose Stakes
Straight or Looped and Pointed
—ALSO—
The Model Extension Carnation Support.
THE MODEL ROSE STAKE Looped and Pointed.
THE MODEL PLANT STAKE for Lilies and all Pot Plants.
LANCASTER, PA., June 17, '99.
MR. THERON PARKER, Brooklyn, N. Y.
Dear Sir:—Your Model Carnation Support is all right in every way, and will no doubt be considered as necessary as good plants with growers when better known. I consider it the best in the market, and if your other specialties are as good, they should make another addition to the money makers of 1900.
Very respectfully, ALBERT M. HERR.
Samples and Prices on Application to
THE MODEL PLANT STAKE CO.,
226 North 9th Street, Brooklyn, N. Y.
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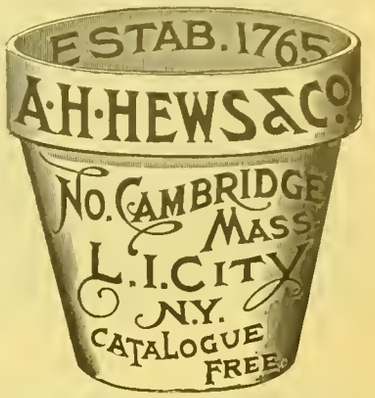
RED STANDARD POTS
Correct Size. Superior Quality.
Write for Price List.
C. HENNECKE CO MILWAUKEE WIS



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STANDARD FLOWER POTS
Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2 in. pots in crate,	$4 88	120 7 in. pots in crate,	$4 20
1300 2½ " "	5.25	60 8 " "	3.00
1500 2⅝ " "	6.00	48 9 " "	3.60
1003 " "	5.00	48 10 " "	4.80
800 3½ " "	5.80	24 11 " "	3.60
500 4 " "	4.50	24 12 " "	4.80
320 5 " "	4.50	12 14 " "	4.80
141 6 " "	3.16	6 16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.
Address Hilfinger Bros. Pottery, Fort Edward, N. Y.
Or AUGUST ROLKER & SONS, New York Agents, 52 DEY STREET, NEW YORK CITY
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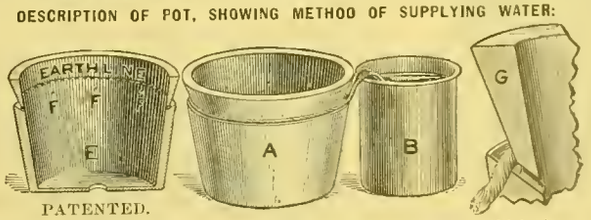
ACME POT
A self-watering pot or pan, devised specially for spores, fine seeds and cuttings. No surface watering; seeds cannot be washed away; surface earth does not harden. The pot, as will be seen by the cuts, is original in its construction and application, and is the result of many years of practical experience in the art of propagating and raising seeds and spores.
DESCRIPTION OF POT, SHOWING METHOD OF SUPPLYING WATER:


PATENTED.
A, indicates the pot; B, a reservoir for water; E, section of pot, showing earth line and perforations or water passages F F F below. G, full size section, showing groove, with cord siphon. Several pots may be arranged around one reservoir, each connected therewith by a cord, through or over which the water is conducted by capillary attraction.
Price, boxed, F.O.B., Pot and Siphon Cord Complete, 50 cts each; $5.00 per dozen.
Indorsed by leading florists and the trade generally. Send for full descriptive circular.
HENRY BIRD, Inventor and Patentee, 144 Belleville Avenue, Newark, N. J.
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SAVE MONEY

It costs no more to get an up-to-date boiler with all the **Latest Improvements** for **Saving Fuel** and **Labor.** Therefore, why not save time and money by corresponding with the people who make the boiler that is rapidly gaining the reputation as the

Best Boiler for Greenhouse Use.

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All Sizes a Specialty.

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SUMMER IN WINTER

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Standard Greenhouse Boilers

One cent gets our Catalogue.

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IMPROVED GREENHOUSE **GLAZING POINT**

A sure preventive of glass slipping; effective on large or small glass; zinc, will not rust, last forever; easy to drive and easy to extract. Two sizes, ⅝ and ¾ in. long. One pound packages 40 cts. 1440 points ⅝ in. size, 1040 points ¾ in. size, in a pound. By mail, 16 cts. per lb. extra.

For Sale by the Trade.

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FOR SALE.

Greenhouse Glass

Below Market Rates.

S. JACOBS & SONS, P. O. Address, Metropolitan, N. Y.

JOBBERS IN GREENHOUSE GLASS.

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CYPRESS

AS MUCH MORE DURABLE THAN PINE.

CYPRESS SASH BARS

UP TO 32 FEET IN LENGTH OR LONGER.

GREENHOUSE

AND OTHER BUILDING MATERIAL.

Send for our Illustrated Book "CYPRESS LUMBER AND ITS USES."

Send for our Special Greenhouse Circular.

THE A. T. Stearns Lumber Co., Neponset, Boston, Mass.

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Sulphur Tobacco Soap

COMBINING the qualities of an absolute insect exterminator with those of a vigorous fertilizer. Recommended and in use by the foremost florists and nurserymen in the land. For Sale at the Seed Stores.

ROSE MFG. CO., Niagara Falls, New York

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GLASS

For Greenhouses, Graperies, Hotbeds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

N. COWEN'S SON,

392-94 W. BROADWAY, NEW YORK.

Mention the Florists' Exchange when writing.

Steam and Hot Water **HEATING**

Perfectly Installed by

H.W. GIBBONS, 136 Liberty St., New York.

CATALOGUES 4 CENTS.

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MASTICA

FOR GLAZING GREENHOUSES

Proven superior to putty. Easier to apply and stays on. Not affected by extremes of weather. Endorsed by prominent florists. Send for descriptive circular of Mastica and Mastica Glazing Machines.

F. O. PIERCE CO., Sole Manufacturers, 170 Fulton St., **New York.**

Mention the Florists' Exchange when writing

Use CARLAND'S

Cast Iron Gutter

AND STOP REBUILDING.

Write for Circular.

GEO. M. GARLAND, Desplaines, Ill.

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Evans Improved Challenge

Roller bearing self-oiling device, automatic stop, solid link chain makes the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

Quaker City Machine Co.,

RICHMOND, IND.

Mention the Florists' Exchange when writing

TOBACCO DUST

50 lbs., 75c; 100 lbs., $1.00; 200 lbs., $1.75; 500 lbs., $3.75; ton, $12.00.

Nikoteen, $1.50 per pint; 5 pints, $7.00.

Nikoteen Aphis Punk, 60c. per roll; $6.50 per dozen

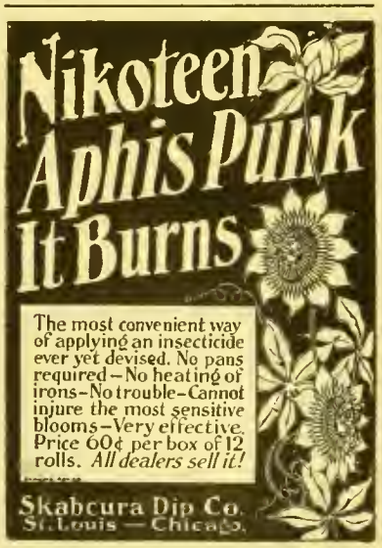
Vaporizer Glazing Points, 60c. per 1000; 5000 lots at 55c. per 1000; by mail, 75c. per 1000.

Mastica, $1.25 per gallon; 5 gallons, $5.75.

Seeds, Bulbs, Florists' Supplies, Etc.

GRIFFITH & TURNER CO., Baltimore, Md.





Mention the Florists' Exchange when writing

Chicago.

State of Trade.

The past week the weather has been cooler, hence roses were a trifle better in quality, perhaps; still it's hard to find, in any quantity, really good stock. But then the business does not call for a great deal. It does seem as though really good roses are scarcer in the Summer now than they were a few years ago; every effort seems centered in preparation for Fall and Winter crops. Yet there is considerable trade in Summer, taking it all together, and good teas would now bring easily $4 to $5. Beauty are also shy, although some shorts are coming in from newly planted stock, that tells one it won't be long before better material is here.

Some good white carnations are to be seen of the varieties Mary Wood and Flora Hill. Field-grown flowers are now coming in apace. There are sufficient for all demands. Gladioli, largely of a very common type, go at $2, and below, while choice stock is worth $3 to $4. As yet the supply of asters is of manageable dimensions, and the flowers of only ordinary quality, but every day shows an improvement, with signs of monstrous stocks a little later on.

Round About.

Charles W. McKellar is back at his post. The firm sent a handsome floral piece to the funeral of his late father. It was a standing crescent and lyre. Their large store is now undergoing the regular Summer overhauling.

The Klehms, at Arlington Heights, entertained a bevy of the lady employes of J. C. Vaughan's store on Sunday. They came back loaded down with flowers, and were a happy looking lot.

W. J. Smyth, 31st street, will take a trip round the Thousand Islands, thence to the Convention. His brother, Harry, with E. Wienhoeber, will go with the contingent. The route just suits him, as Albany is his old home.

E. C. Amling took a trip to New Castle and Richmond, Ind., calling on his consignors there, and looking over the stock for another year.

George and Peter Reinberg have remodeled and greatly improved their wholesale places in the Atlas block, giving much more counter room, which was greatly needed.

Susie Flora, daughter of John B. Weeks, was married at her father's home, July 19, to Dr. A. W. Purrington, Sangerville, Maine, where she will be at home after August 1. Susie was born in this city, her father having the distinction of being the first bouquet maker employed in the first retail flower store opened in Chicago.

Nick Reading has bought six houses of John Zender on the Ridge. These houses have heretofore been used for growing Beauty; they will hereafter be devoted to carnations.

A. C. Kohlbrand, for a long time manager for Klehm's, afterward with the Kennicotts, will, subsequent to a short vacation, join the staff of E. C. Amling.

Weiland & Risch have a white sport from carnation G. H. Crane, which they believe will be a splendid thing.

George Reinberg's roses have greatly improved, his La France, Kaiserin and Meteor especially. Even Bridesmaid and Bride are good for the season. He is also cutting some Liberty.

Visitors.

Robert Heller, Newcastle, Ind.; E. R. Roberts, Tacoma, Wash.; A. N. Kinsman, Austin, Minn.; Carl Trager, Hot Springs, New Mexico; E. A. Crooks, Benton Harbor, and Charles Dutton, Holland, Mich.; C. C. Chapin and wife, Lincoln, Neb.; Warren Huckleberry, North Vernon, Ind., and Miss Katie Tennant, of Harnden Seed Co., Kansas City, Mo.

Ess.

"NICOMITE"

(PATENT)

Vapor Insecticide

POWDER.

No labor required. Harmless to bloom and foliage. A certain killer of

ALL GREENHOUSE BUGS.

SOLD BY SEEDSMEN.

The Tobacco Warehousing & Trading Co

LOUISVILLE, KY.

Mention the Florists' Exchange when writing.

BUGS ON ASTERS KILLED BY USING SLUG SHOT SOLD BY SEEDSMEN

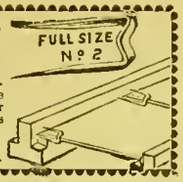
Holds Glass Firmly

See the Point

The Von Reeper Perfect Glazing Points are the best. No rights or lefts. Box of 1000 points 75 cents, postpaid.

HENRY A. DREER, 714 Chestnut St., Phila., Pa.

FULL SIZE No 2



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JOHN C. MONINGER CO. 412 TO 422 HAWTHORNE AV. CHICAGO, ILL.

CYPRESS GREENHOUSE MATERIAL

OF ANY DESCRIPTION

SEND FOR CATALOGUE.

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CABLE AND PIPE

Ventilating System.

SOIL-MACHINES

In Large or Small Sizes.

SEND FOR CATALOGUE.

A. Q. WOLF & BRO., Dayton, O.

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IF YOU WANT A

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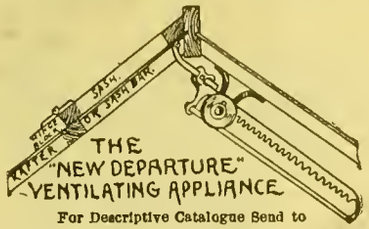

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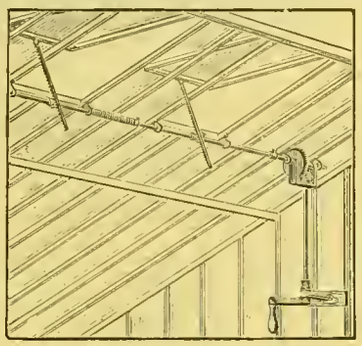

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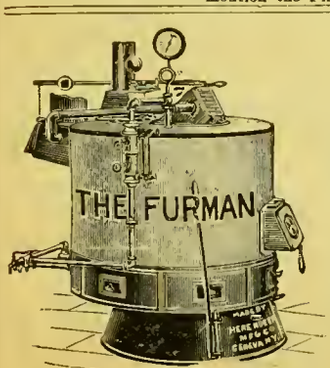

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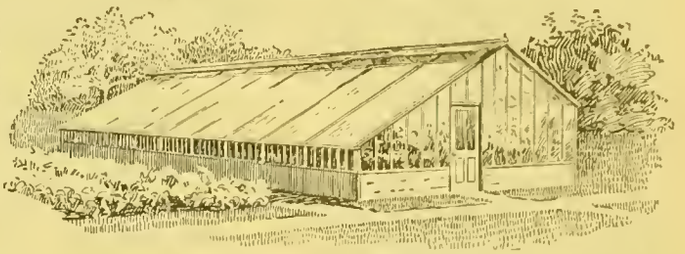

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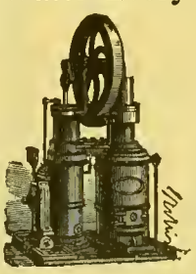



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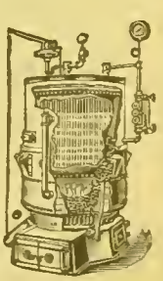

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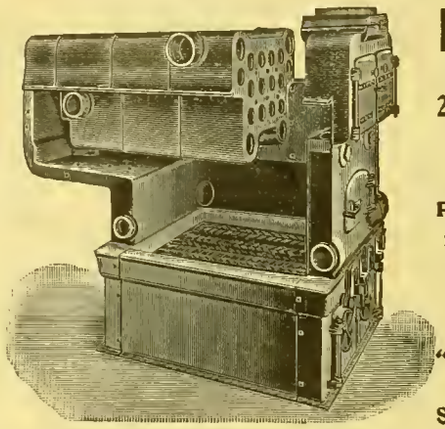

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SEED, New Crop. Holmes' Capitol Strain. The best produced in the world.
Per oz., $8.00; ⅛ oz., $1.00; trade pkt., 50c.
Mammoth Mixture, oz., $3.50; ⅛ oz., 50c.; trade pkt., 25c.

SMILAX SEED New crop, 20c. per oz.; $2.75 per lb.
PRIMULA European Prize Strain, largest flowers, trade pkt., 350 seeds, 50c.

Glazing Points (Van Reyper's), per 1000, 60c.
Mastica, for glazing, gallon, $1.25; 6 gallons, $6.75.
Putty Bulbs, 85c.

We carry a full line of **Flower Seeds, Bulbs,** etc. Send list for quotations of anything needed.

H. L. HOLMES, Seedsman, HARRISBURG, PA.

Mention the Florists' Exchange when writing.

SEEDS

Selected Stocks for Present Sowing and Planting.

Turnips, Cucumbers, Melons

Special Prices to Dealers.

WEEBER & DON, SEED MERCHANTS AND GROWERS,
114 Chambers St., NEW YORK.

Mention the Florists' Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

WHOLESALE PRICE LIST FOR FLORISTS AND MARKET GARDENERS

Mention the Florists' Exchange when writing.

DUE IN A FEW DAYS: OUR "STAR BRAND"

Narcissus Paper White Grandiflora

Second Shipment

ROMAN HYACINTHS.

Now Ready—MATURED Stock

LIL. HARRISII,
LIL. LONGIFLORUM

Special Low Prices on application.

FREESIA White Flowered Bermuda, Per 1000, $6.00.

PANSY.

If your trade demands the best, plant **Vaughan's International.** Per oz., $10.00; ⅛ oz., $1 50; large trade pkt., 50c.

If you desire mammoth flowers, sow **Vaughan's Giant Mixture.** It contains all the truly good giants. ¼ lb., $14.00; oz., $4.00; ⅛ oz., 60c.; trade packet, 25c.

New York—VAUGHAN'S SEED STORE—Chicago
14 Barclay Street. 84 & 86 Randolph Street.

Mention the Florists' Exchange when writing.

IMPORTANT

Before ordering any goods anywhere send in **your list of wants** for lowest **GUARANTEED** prices.

F. W. O. SCHMITZ, Jersey City, N. J.

Mention the Florists' Exchange when writing.

Some of our **SPECIAL LOW PRICES**

	100	1000
L. Harrisii, 5-7.....	$4.00	$37.50
" 7-9.....	8.00	75.00
White Romans, 12-13 cm.....	1.50	12.50
" 12-15 cm.....	1.75	14.00
Italian, Blush White, 12-15 cm.....	1.25	10.00

NET, SPOT CASH.

HULSEBOSCH BROS., Englewood, N. J.

Mention the Florists' Exchange when writing.

MICE-PROOF

SEED CASES and DRAWERS.

Send for Catalogue.

HELLER & COMPANY, Montclair, N. J.

Mention the Florists' Exchange when writing.

COX SEED CO.

Wholesale Seedsmen

14 & 16 Ninth Ave., NEW YORK. 411, 413, 415 Sansome St., SAN FRANCISCO.

There's a new bridge building over the East River. It will rival the famous Brooklyn Bridge. Come and see how the work is progressing.

Johnson & Stokes' Giant Kingly Pansies We have searched the world to get this strain up to its present standard of perfection, and it is now pronounced by our customers as unrivalled in size, substance of flower and richness of color. Trade pkt., 50c.; ¼ oz., $1.25; oz., $5.00.

FRESH SMILAX SEED, per oz., 25c.; per lb., $2.50. **ALLEGHENY DOUBLE FRINGED HOLLYHOCK,** our Floracroft Strain, trade pkt., 25c.; ¼ oz. pkt., 50c; per oz., $1.50. **CINERARIA,** James' Giant Strain, per pkt., 25c.; ½ trade pkt., 60c; trade pkt., $1.00. **CALCEOLARIA,** James' Giant Strain, per pkt., 25c.; trade pkt., 60c. We are ready to book orders for **White Romans, Freesias, Callas, Paper White Narcissus, Etc.**

JOHNSON & STOKES, Seedsmen, 217 & 219 Market St., PHILA., PA.
Mention the Florists' Exchange when writing.

POTTED STRAWBERRY PLANTS IN 2 INCH POTS.
Ready July 20th. Send for Prices and List.
ROSES, Bride, Bridesmaid, American Beauty, and fifty other varieties. See list in issue of June 23. Also CLEMATIS PANICULATA and HONEYSUCKLES in 4 inch pots.
THE ELIZABETH NURSERY CO., Elizabeth, N. J.
Mention the Florists' Exchange when writing.

ASTER COSMOS PANSY SALVIA ZINNIA
BEANS CLOVER GRASS ONIONS PARSNIP

SEED TRADE REPORT

Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Cincinnati, O., President; F. W. BOLGIANO, First Vice-President; S. G. COURTEEN, Milwaukee, Wis., Second Vice-President; S. F. WILLARD, Wetherafield, Conn., Secretary and Treasurer.

European Notes.

With the thermometer playing about between 95 degrees in London and 102 degrees in Paris, your readers can form their own conclusions as to the condition and prospects of our growing crops. Only beet and mangel appear to flourish, as the maggot in the carrot is assuming quite alarming proportions. It is, however, with reference to next year's crops of cabbage, etc., that we are now most anxious, and we have already good cause for alarm. We shall see.

Visitors in London this week: Messrs. Kirby, from P. Henderson & Co., New York; H. W. Bruce, Hamilton, Ont.; W. H. Maule and Mrs. Maule, Philadelphia, and the Rev. W. T. Hutchins, on sweet peas bent.

EUROPEAN SEEDS.

CATALOGUES RECEIVED.

NEW YORK MARKET GARDENERS' ASSOCIATION, 39 41 Cortlandt street, New York City.—Wholesale Price List of Seasonable Seeds and Plants, Pansies a specialty.

J. M. THORBURN & Co., New York.—Trade List of Bulbs, Seeds, etc., for Autumn, 1900.

HARLAN P. KELSEY, Boston, Mass. — Price List of Fine Hardy American Bulbs and Plants, many new and rare.

HERB & WELLE, Naples, Italy.—Illustrated Catalogue of Seeds, Bulbs, etc.

ERNST RIEMSCHNEIDER, Altona, Hamburg, Germany.—Price List of Lily of the Valley, Bulbs, Roses, etc.

S. A. F. Meeting Features.

Recent articles in the trade paper columns lead one to think further, then to jot down thoughts that may lead others to think in a way that mature ideas may be formulated ready for expression at convention time.

As recently touched on, methods of accounts or bookkeeping for the trade will, no doubt, at an early day, receive full attention of its needs through the enterprise of publishers in such lines. If the need shows up, the supplying of it will undoubtedly be ready forthwith.

Before the S. A. F. should be again led into attempting the collecting or commercial agency business, the experience of its former attempts at that which resulted in a failure, should be looked up, as an asset in pointers or hints for renewed action. The co-operation that failed to co-operate in the fine points necessary to bring about a needed whole, or oneness of action.

The S. A. F. can, as rightfully due to itself, give the matter of exhibits its better and more consistent attention. As it has been, the "Trade Exhibit" is a splendid talk-about-in-advance-item. And little more than this talk is awarded it. The rules and regulations need revising. Conditions of exhibits change, and the rules need changing as frequently. It now is most evident that a position of manager of exhibitions should be made a position on the Society's official staff, instead of only a member in a local florists' organization.

The Society now should rise to the occasion of attempting to make its existence and influence felt right in the Pan-American Exposition of 1901, by co-operation with that organization. The Exposition no doubt would meet with open arms the plan of the S. A. F., offering prizes of award to be passed on by S. A. F. judges, on exhibits that would be seasonably in perfection at convention time. Should the 1901 convention be held in Buffalo, the extra cost of judging these exhibits by the S. A. F. would be practically nothing. If the Exposition officials are approached soon enough, they no doubt would be pleased to reserve with specific dates certain spaces or beds for exhibits under S. A. F. auspices. After such exhibits are installed, they can be properly (and modestly) S. A. F.-labeled, to the Society's needed advertising advantage. In adaptable cases, as regards nature and importance of exhibit, perhaps awards may be given by both organizations.

As its name implies, the Pan-American (meaning all-American) Exposition is to be purely an American affair, as is also the S. A. F. They should work hand in hand to accomplish the most good possible.

Action entered into at the coming meeting, followed up by executive committee details, could result in such being handled properly through the year. The hope of the writer is that the matter will be brought into the early sessions of the convention and forthwith receive heary support for a progressive and active finish.

DANIEL B. LONG



CROP OF AUSTRALIAN BROWN ONION.

Grown by Cox Seed Co., on Andreas Island, in the Sacramento River, Calif.

The crops grown in this district have shown a yield per acre at least one-third more than crops grown in any other section of California. The Cox Seed Company are preparing to plant out 500 acres, in assorted beds, principally onion, lettuce, carrot, celery, and sweet peas in variety.

What's in a Name?

Editor Florists' Exchange.

A good name is always desirable. A name that means something is its own seal of worthiness. A conglomeration is so much nonsense. There was a time in the history of the Society of American Florists when a change of base might have been future capital and stability. The auxiliary societies should have become departments of the *Alma Mater* instead of separate and distinct organizations, as they will now remain. There is only one name that would have covered the ground—a grand name, simple yet comprehensive—Horticulture. It would have secured a national charter—for those who wanted it.

And the S. A. F.'s constitution and by-laws needed revision badly. The present conglomeration would hardly credit a school boy's composition. One of the several anomalies is that the matter of secretary's salary is a part and parcel of the constitution (instead of by-laws—where it naturally belongs). As it stands, one might infer that the Society was created for the benefit and support of a secretary! However, as but little attention is given to its laws and precepts, the thing can be lightly passed over.

The old S. A. F. is preferable to the additional A. O. H. The phrase, "ornamental horticulture," is something of a misnomer, any way. Horticulture is ornamental in its art and expression, whether natural or artificial. It is superficial to limit its scope. I suppose this superfluity was tacked on to the S. A. F. as a tail to the kite, to sort of give it equilibrium and respectability. Now, the truth of the matter is that the tail never hankered for the "kite," nor the kite for the "tail"! The S. A. F. is more like the new-fashioned kite, that don't require any tail to make it "go."

The S. A. F. can be useful, and best serve its purpose in its own prescribed limits, and it should not hanker for delicacies outside its jurisdiction. Its present constitution would hardly survive a national charter, and, no use talking, the elusive retailer, as a class, will not socially affiliate with the grower.

But then there will be a "survival of the fittest," so we might as well follow Mr. Rudd's advice—"return to our knitting." Yes, and "darn the stocking."

GROVE P. RAWSON.

The highest buildings in the world, the most beautiful architectural structures to be found anywhere, are all to be seen in New York by the Convention delegates.

CALIFORNIAN SEEDS
Contract Prices for 1900 Harvest on Application.
WHOLESALE ONLY.
PERRY WATSON & CO., Sacramento, Cal.
Mention the Florists' Exchange when writing

Pansy Seeds Fresh crop, Vautier's mammoth; it is the best strain in every respect; 120 varieties, colors, and markings mixed; flowers are often up to 4 inches in diameter and smell like violets; 3000 seeds, $1.00; 1 oz., $4.00.
Shellroad Greenhouses, Grange P. O., Balt., Md.
Mention the Florists' Exchange when writing

VAUTIER'S MAMMOTH PANSY
New crop seed now ready. This is the largest and finest Pansy ever offered. We have testimonials from florists from all parts of the U. S praising its size and merits. Trade packet, $1.00; oz., $4.00.
H. G. FAUST, 64 and 66 N. Front St., Philadelphia, Pa.
Mention the Florists' Exchange when writing.

HERR'S PANSIES
ALWAYS THE BEST and better every year.
They sell themselves. Try a hundred as an experiment.
Plants only, and ready October 1st to January 1st. Free by mail, 75c. per 100; 250 for $1.50; 500 for $2.50.
By Express, at your expense, $4.00 per 1000.
ALBERT M. HERR, Lancaster, Pa.
Mention the Florists' Exchange when writing.

PANSIES
The Jennings Strain
Of large flowered show and fancy Pansy Seed. New crop now ready. My 1900 Strain cannot be excelled, and is sure to give the highest satisfaction.
Finest Mixed, pkt., $1.00; ½ oz., $2.50; 1 oz., $5.
Yellow, White, Blue and Black, in separate colors, 50c. per pkt., postpaid. Small Pansies, 60c. per 100, by mail.
Cash with order.
E. B. JENNINGS, Lock Box, 254. Southport, Conn
Grower of the finest Pansies.
Mention the Florists' Exchange when writing.

SEED!=PANSIES=SEED!
Roemer's Superb Prize Pansies.
Improved strain, new crop ready now. (My own growing.) This new mixture is saved from the very finest selected plants from all leading novelties of art colors, without doubt the finest strain in the market to-day.
Mixed, per pkt. of 3000 seeds $1; ¼ oz., $1.50; ½ oz., $2.50; 1 oz., $5.00. Cash with order.
PETER BROWN, Lancaster, Pa.
Grower of extra fine Pansies.
Plants Ready September 15th.
Mention the Florists' Exchange when writing.

PANSIES
From Seed Bed, $3.50 per 1000.
A Good assortmeot of Hardy Plants in Spring and Fall, such as Coreopsis, Veroolca, Iris, Funkia, Lemon Lily, Aster, Phlox, Heleolum A. Superbum, Lychnis, Larkspur, Digitalis, Antirrhinum, Myosotis, Mist and other hardy stock. Cash with order, please.
W. C. JENNISON, Natick, Mass.
Mention the Florists' Exchange when writing.

Pansies Worth Raising
SEED AS USUAL
⅛ oz.....$1.00
1 oz..... 4.00
CHR. SOLTAU, 199 Grant Avenue, **Jersey City, N. J.**
Mention the Florists' Exchange when writing

XXX PANSY SEED
If you want the finest large and fragrant Pansy flowers, try Woodbury's Noted Seeds.
SEVEN PKTS. (700 seeds), FINE ASSORTED, 50c.
Finest German and Giant Flowered French strains, blended or either separate, 2000 seeds, 50c.; ¼ oz., $1.00; oz., $4.00. List free.
DAVID B. WOODBURY, South Paris, Maine
Pansy Specialist.
Mention the Florists' Exchange when writing.

SCHMIDT'S PANSIES
HAVE NO EQUAL.
New crop now ready; no matter what you pay, you cannot get a better strain; ¼ oz., $1.25; ½ oz., $2.00; oz., $4.00.
J. C. SCHMIDT, Bristol, Pa.
Mention the Florists' Exchange when writing.

PANSY SEED Fine strain, $4 per ounce. Trade pkt., $1.
DALY BROS., Wholesale Florists, **New Durham, N. J.**
Mention the Florists' Exchange when writing.

STRAWBERRIES Pot-grown, immediate delivery. Prices upon application.
EVERGREENS For August planting, in fine assortment.
MANETTI For grafting for December delivery.
HARDY NURSERY STOCK Of selected quality.
ROSES For forcing.
Correspondence a Pleasure.
HIRAM T. JONES, Union County Nurseries, **Elizabeth, N. J.**
Mention the Florists' Exchange when writing.

TREES Fruit Trees, Small Fruits, including grapes, Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.
ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. **Rochester, N. Y.**
Mention the Florists' Exchange when writing.

F. & F. NURSERIES SPRINGFIELD, NEW JERSEY.
Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.
Mention the Florists' Exchange when writing.

THE STORRS & HARRISON CO., Painesville, Ohio.
Desire to call the attention of Florists and Nurserymen to their 40 acres of **HARDY ROSES,** their complete assortment of **FRUIT** and **ORNAMENTAL TREES** and **SHRUBS,** and their 44 Greenhouses of **ROSES, PALMS, FICUS, FERNS, ETC.**
Correspondence and personal inspection solicited. Trade List and Catalogues free
Mention the Florists' Exchange when writing.

ANDORRA NURSERIES
WILLIAM WARNER HARPER, Prop., Chestnut Hill, Philadelphia, Pa. **SPECIALTIES:** Large Specimen Ornamental Trees. Large Hardy Rhododendrons and Azaleas.
Mention the Florists' Exchange when writing.

P. OUWERKERK
1123 Summit Ave., Jersey City, N. J.
Just received from our Holland Nurseries
RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM,
PÆONIES, BLEEDING HEART,
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.
PRICES MODERATE.

CELERY and CABBAGE
CELERY Pink Plume (extra strong), Golden Self-Blanching, Giant Pascal, Golden Heart, New Rose, and other varieties, 15 cts. per 100; $1.00 per 1000; $8.50 per 10,000.
CABBAGE H. Succession, Second Early, Premium Flat Dutch, Late Drumhead, Savoy, and other vars., 15 cts. per 100; $1.00 per 1000; $8 50 per 10,000.
KALE Dwarf Green Curled Scotch, same price as Cabbage.
If any of the above plants by mail, add 10 cts. per 100.
Cash with order.
R. VINCENT, JR., & SON, White Marsh, Md.
Mention the Florists' Exchange when writing.

CELERY
Fine, stocky plants, transplanted.
WHITE PLUME, GOLDEN SELF BLANCHING
40c. per 100; $3.50 per 1000.
E. B. JENNINGS, Southport, Conn.
Mention the Florists' Exchange when writing.

500,000 CELERY PLANTS!
Strong, transplanted plants, 25 cts. per 100; $2.00 per 1000. Good seedlings, 2 inches high, 25 cts. per 1000. Write for prices on large lots. **W. Plume, Boston Market, Giant Pascal, Golden Self Blanching and Dwarf Red.**
SMILAX Strong, healthy, from 2 and 2½ in. pots, $1.00 a 100; $9.00 a 1000. Sample, 10 cts. CASH, PLEASE.
R. KILBOURN, Clinton, N. Y.
Mention the Florists' Exchange when writing.

500,000 CELERY 6 varieties, strong field-grown plants, $1 per 1000; strong, selected, stocky plants, $1.50 per 1000.
Cyclamen Giganteum, finest strain, in 5 colors, mixed, strong, 2½ in., $4.00 per 100.
Asparagus Sprengeri, strong, 3 in., $4.00 per 100; **Plumosus Nanus,** strong, bushy, 2½ in., $5.00 per 100.
Stevia, for Winter flowering, strong, bushy, 2½ in., $3.00 per 100.
Violets, healthiest stock in the country, strong, 2½ in., $2.50 per 100; fine clumps, August and September delivery, $4.00 per 100. CASH.
WM. S. HERZOG, Morris Plains, N. J.
Mention the Florists' Exchange when writing.

THE PINEHURST NURSERIES,
OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.
Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda nitida, Fothergilla alcifolia, Ilex glabra, L. opaca, I. verticillata, Myrica pumila, Smilax lanrifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Dionæa muscipula, Lupinus diffusus, Phlox subulata, Sarracenias, etc., etc. **Ask for Trade List.**
Mention the Florists' Exchange when writing.

RHODODENDRONS
Native Rhododendrons; well furnished plants, all sizes. Prices on application.
A. E. WOHLERT, Altoona, Pa.
Mention the Florists' Exchange when writing.

EVERGREEN!
An **IMMENSE STOCK** of both large and small sized **Evergreen Trees,** in great variety. Also **Evergreen Shrubs.**
CORRESPONDENCE SOLICITED.
THE W. H. MOON CO., Morrisville, Pa.
Mention the Florists' Exchange when writing.

FRUIT and ORNAMENTAL TREES, Shrubs, Vines and Roses
Write for price list or send your lists of wants for special prices.
W. & T. SMITH CO., Geneva, N. Y.
Mention the Florists' Exchange when writing.

STRAWBERRY PLANTS
100,000 pot-grown plants. New and old varieties. Send for circular.
Jas. McColgan & Co., Atlantic Highlands, N.J.
Mention the Florists' Exchange when writing.

SURPLUS FOR SPRING 1900
Can yet do **PEACHES** and **JAPAN PLUMS** in limited quantity; also **MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY STRAWBERRIES** from best leading varieties.
Prices for same given upon application.
MILFORD NURSERIES, Milford, Del.
ALEX. PULLEN, PROPRIETOR.
Mention the Florists' Exchange when writing.

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN.

THEODORE J. SMITH, Geneva, N. Y., President; N. W. HALE, Knoxville, Tenn., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

A Warning Against Fraud. — The Ohio Experiment Station has just received the following letter from Marion County: "There is a company of men canvassing this territory for fruit trees. They are putting in what they call a 'model orchard.' They claim to be working directly for and in the interest of your station, which gives them quite a leverage with a great many farmers." To this letter the Station replies that it sells no fruit trees of any description, and all persons who claim to represent it in the manner indicated are swindlers and should be arrested for obtaining money under false pretenses.

Laws against Weeds and Insects.— For all the ineffectual efforts to keep out insects, fungi and weeds by law have been so freely shown to be supreme folly, Canada, as our readers know, prohibited the importation from the United States of nursery products, in order to get immunity from the San José scale. These pests have numerous paths of travel without going through custom-house gates, and it was predicted the San José scale would soon show itself to our friends over the border. Dr. Fletcher, a Canadian entomologist, has stated, recently that the San José scale has become the most serious pest that has ever occurred in Canadian orchards. But the law is still left as a scarecrow to the scale that is laughing literally "behind its back."—*Meehan's Monthly for August.*

The nursery inspectors of the State of Maryland have about completed their work for this season. So far as determined all the nurseries are in good condition. The nurserymen are growing about the same amount and kind of stock as heretofore.

Cincinnati.

Trade Items.

Business remains about the same as last reported. Stock is a little scarce in some lines. Asters are beginning to fill a long-felt want; they sell readily at $1.50 to $2 per 100 for good stock. Carnations are now coming in from the field and they answer well for funeral work. The weather is yet warm, but showers, now and then, keep all vegetation growing nicely. Carnation plants in the field never looked better than they do at the present time.

Thursday afternoon quite a party of the Cincinnati craft will take a trolley ride to Hamilton, Ohio, to visit John Lodder & Son, also to see Friend Theodore Bock. Final arrangements will then be made for putting a float in the fall festival parade, September 20.

Owing to a heavy all-day rain, the florists' annual outing, held at Mt. Lookout Park last Wednesday, was not a huge success.

Correspondence received from Lexington, Ky., states that there will be about nine persons who will attend the convention in New York.

E. G. GILLETT.

Grand Rapids.

The weather continues hot day time, with cool balmy breezes by night. This has been a busy week for funeral orders; indeed, they have been so numerous as to use up every available flower in town. Many out of town orders had to be refused. As most of the carnations are thrown out, the supply is very low. With roses, several growers have several houses each, that can be allowed to come in any time, so we may soon have a fresh crop of this stock.

The various carnation crops are looking good, but that of the Grand Rapids Floral Co. is certainly the best in this locality, their plants being remarkably large and fine for this early in the season.

The nearness of the Convention does not make much stir among our florists. But two, as yet, have declared they will go. Henry Smith and George F. Crabb will accompany the Chicago contingent.

G. F. Plowman, of Iron Mountain, Mich., was a recent visitor. He reports trade as having been very good.

G. F. C.

Yucca Filamentosa
Fine, large plants, $10.00 per 100.
SAMUEL C. MOON, Morrisville, Pa
BUCKS CO.
Mention the Florists' Exchange when writing.

CELERY All leading varieties, extra stocky plants, at $1 50 per 1000 **Cabbage Plants,** 5 varieties, fine plants, $1.00 per 1000
J. C. SCHMIDT, Bristol, Pa.
Mention the Florists' Exchange when writing.

BOSTON FERN—A Specialty
L. H. FOSTER, 45 KING STREET, **Dorchester, Mass**
Mention the Florists' Exchange when writing.

BOSTON FERNS
Now ready. $5.00 per 100.
H. L. CAMERON, No Cambridge, Mass.
Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis
The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.
Mine is the Genuine Stock.
FRED. C. BECKER, Cambridge, Mass.
1730 CAMBRIDGE ST.
Mention the Florists' Exchange when writing.

ORCHIDS
Arrived fresh from the woods in fine condition. **Lælia Anceps, L. Autumnalis, L. Crispa, L. Flava, L. Grandis, Tenebrosa, L. Perrinii, Oncidium Varicosum Rogersii, Cattleya Percivaliana,** and **C. Mossiæ.**
CORRESPONDENCE SOLICITED.
LAGER & HURRELL, Summit, N. J.
Mention the Florists' Exchange when writing.

Asparagus Plumosus Nanus
Transplanted seedling plants, for July and August delivery, ready for 2½ inch pots, at $3.00 per 100; $25.00 per 1000; 500 at thousand rates. Express prepaid.
Cash with Order, Please.
R. ASMUS, - New Durham, N. J.
Mention the Florists' Exchange when writing.

WHEN AT THE CONVENTION
Do not fail to see the exhibit of our new fern
Nephrolepis Wittboldii
Then if it strikes your fancy, do not fail to procure some of the first stock, for which we will book orders
THE GEORGE WITTBOLD CO.,
1657 Buckingham Pl., Chicago.
Mention the Florists' Exchange when writing.

Adiantum Cuneatum
2½ in. pots, $4 per 100; 3½ in. pots, $6 per 100; 3½ in. pots, large plants, $10 per 100; selected plants, 3½ in. pots, $12 per 100.

Asparagus Sprengeri
2½ in. pots, $4 per 100; $30 per 1000.
3 in. pots, $5 per 100.
EDW. J. TAYLOR, Southport, Conn.
Mention the Florists' Exchange when writing.

FERNS Our Specialty.

A Grand Stock of **MAIDEN HAIR FERNS.** In 4 in., ready for 5 in. pots	$8.00	$75.00
Full-grown plants, in 2¼ in., ready for a shift	3.50	30 00
Fine lot of **ASSORTED FERNS** for Jardinieres, all the best varieties, in 2¼ inch pots	4 00	35.00
Asparagus Sprengeri. 5 in. pots	15.00	
Gardenia Florida, strong, healthy plants, 5 in. pots	15.00	
Gardenia Florida, 2¼ in. pots, extra strong	4.00	

Money returned if not satisfactory.
TERMS CASH OR C. O. D.
ANDERSON & CHRISTENSEN, SHORT HILLS, N. J.
Mention the Florists' Exchange when writing.

C. H. JOOSTEN

Offers at SPECIAL LOW CASH PRICE, for immediate delivery, BERMUDA LILIUM LONGIFLORUM, select bulbs, 5 to 7 and 7 to 9.

For prices, stating quantity wanted, address 85 DEY STREET, NEW YORK.

Mention the Florists' Exchange when writing.

ASSORTED FERNS IN FLATS

Ready for potting, $2.00 per flat.

If you are in the market for FERNS, this is the most advantageous way to buy in a stock at a little cost. Each flat contains 110 clumps of small plants, which can be divided in 3 to 5 plants, according as you wish them.

BOSTON FERNS, ready for 3 in. pots, $6.00 per 100; ready for 4 in. pots, $15.00 per 100; for 5 and 6 in. pots, $20.00 and $25.00 per 100; extra fine plants, in 5 and 6 in. pots, now ready for a shift into pans or pots, $35.00 per 100; $4.50 per doz. This is exceptionally good value.

ASPARAGUS PLUMOSUS NANUS, 3 in. pots, extra fine, $8.00 per 100.

" **SPRENGERI,** 3 in. pots, $6.00 per 100.

KENTIA BELMOREANA, 2½ in. pots, $10.00 per 100; 4 in. pots, $40.00 per 100.

" " **FORSTERIANA,** 6-7 in. pots, $1.50, $1.75, $2.00, $2.50, $3.00, up to $5.00 each

BOBBINK & ATKINS, Rutherford, N. J.

Mention the Florists' Exchange when writing.

ASPARAGUS PLUMOSA

STRONG PLANTS, IN GOOD CONDITION

2 in pots, $5.00 per 100; $45.00 per 1000
3 in pots, $8.00 per 100; $70.00 per 1000
CASH WITH ORDER.

C. W. COX,

2nd and Bristol Streets, PHILADELPHIA.

Mention the Florists' Exchange when writing.

FINE PALMS.

Kentia Belmoreana and Forsteriana—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, from $2.50 upwards.

Phoenix reclinata, 4 in. pots, $20 per 100; 5 in. pots, $40 per 100; 6 in. pots, 35c. each; 7 in. pots, $1.25 each: specimen plants, $2.00 upwards.

Areca Lutescens, 3 in., $15 per 100; 4 in., $25 per 100.

Latania Borbonica, 4 in., $20 per 100.

JOHN BADER, Troy Hill, Allegheny, Pa.
L. D. TELEPHONE 872A.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR JAPANESE FERN BALLS

Many thousand sold last season. Now is the time to place importation orders. Write for special prices for December delivery.

JAMES VICK'S SONS,
ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

FERNS, ETC.

CHEAP FOR CASH.

	Inch pots	Price each	Per 10	Per 100
Adiantum Capillus Veneris,	2½	$0.04	$0.30	$2.50
" " "	3	.05	.45	4.00
A C.V. Imbricatum or Hardy Farleyense	3	.15	1.50	
" " "	4	.30	3 00	
Selaginella Emmeliana	2	.04	.30	2.50
" "	3	.06	.50	4.50
" "	4	.10	.90	8.00

For other varieties and sizes see wholesale list, from which 10 per cent. discount will be given on all orders accompanied with cash.

W. J. HESSER, Plattsmouth, Neb.

Mention the Florists' Exchange when writing

BOSTON FERNS

N. Exaltata Bostoniensis.

Small plants, $5.00 per 100 or $40.00 per 1000; large plants, $6.00 to $50.00 per 100; taken from the bench.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 in. pots, $3.00 and $4.00 per doz.

Asparagus Plumosus, 2½ in. pots, $5.00 to $6.00 per 100; 3½ in. pots, $12.00 per 100.

Asparagus Sprengeri, 2½ in. pots, $5.00 to $6.00 per 100; 3½ in. pots, $12.00 per 100.

Araucaria Excelsa, $1.00 to $2.00 each.

Rubber Plants, $4.00 per doz.

Chinese Primroses, 2½ inch pots, $3.50 per 100.

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. **Connected with Telephone.**

Mention the Florists' Exchange when writing.

JOSEPH HEACOCK,

WYNCOTE, PA.

GROWER OF

ARECA LUTESCENS, KENTIA BELMOREANA, and KENTIA FOSTERIANA.

Mention the Florists' Exchange when writing.

CRYPTOMERIA JAPONICA JAPAN CEDAR.

THE NOVELTY DECORATIVE PINE.

Everybody wants it. There is money in it. Strong plants, from 2 inch pots, $5.00 per 100, or 20 for $1.00, by express. **SMILAX,** from 2 in. pots, $1.25 per 100.

SATISFACTION GUARANTEED.

E. I. RAWLINGS, Quakertown, Pa.

Mention the Florists' Exchange when writing

LACE FERNS Polystichum Wollastoni

One of the finest Ferns to-day on the market for design work, center pieces, etc., etc. Have one house full, in different sizes; will send you a sample, then judge yourself. 1 plant, 6 in. pan, 5 plants, 3 in. pots 10 young plants, $1.00. 100 price on application.

100 Hardy Primroses, $1.00.

Edelweiss (true), per doz., 2 inch, $1.00.

ALBERT KNAPPER, Clematist, Frankford, Phila., Pa.

Mention the Florists' Exchange when writing.

BOSTON FERNS

Largest and finest stock in the country. 2 in. pots, $5.00 per 100; $40.00 per 1000. Fine plants from bench, $2.50 per doz.; $20 per 100; all sizes of pot plants from 6 in. up. Prices on application.

ASPARAGUS PLUMOSUS NANUS Fine strings, 10 to 12 ft. long, 50c. each, in any quantity. Extra strong plants in 2 in. pots, $5.00 per 100; $40 00 per 1000. **Asparagus Sprengeri,** 2 in. pots, $4.00 per 100.

FRESH FERN SPORES Mixed varieties. Package sufficient for 3000 to 5000 ferns, $1.00, postpaid.

EMERSON C. McFADDEN, United States Exotic Nurseries,

Telephone, 108 Short Hills. SHORT HILLS, N. J.

WALTER RETZER & Co.

WHOLESALE PALM GROWERS

2045-59 CLARENDON AVE. (N. Halsted St.) CHICAGO, ILL.

WRITE TO US FOR PRICES BEFORE BUYING ELSEWHERE.

ONE-HALF MILLION FERNS

Our stock of FERNS this season is larger and in better shape than ever, while the assortment is the best we ever offered.

Now is a good time to lay in a supply for Fall and Winter use, the plants are all open frame-grown and are well hardened, and in prime condition to ship.

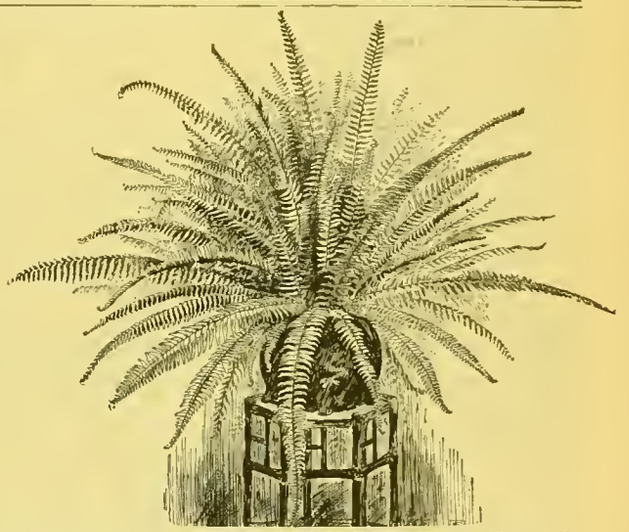
Special Low Prices on Ferns in lots of 2000 or more.

NEPHROLEPIS EXALTATA BOSTONIENSIS

(Boston Sword Fern.)

We have a fine stock of this most popular variety.

2¼ inch pots.....75c. per dozen; $5.00 per 100; $40.00 per 1000.
7 inch pots.....$9.00 " $75.00 "



NEPHROLEPIS EXALTATA BOSTONIENSIS—Boston Sword Fern.

General Collection of Fine Ferns.

	Inch pots	Per 100	Per 1000
Adiantum Æmulum	2	$5 00	$40.00
Aneitense	3	12 00	
Bausei	3	12 00	
Capillus-Veneris Mariesii	4	15 00	
Concinnum	2	4 00	
Cuneatum	2	4 50	30 00
" Variegatum	2	3 50	30 00
" "	4	15 00	
" Grandiceps	2	4 00	35 00
Decorum	2	4 00	35 00
Formosum	2	5 00	50 00
Farleyense	3	15 00	
"	5	70 00	
Gracillimum	2	4 00	35 00
"	4	15 00	
Legrandi	2	5 00	
"	5	15 00	
Bellum	2	5 00	40 00
Mundulum	2	5 00	
Pubescens	2	3 50	30 00
Rhomboideum	3	10 00	
"	4	15 00	
Rhodophyllum	2	5 00	
"	3	8 00	
Weigandi	2	5 00	40 00
"	4	12 00	
Alsophila Australis	2¼	8 00	
Aspienium Ohtusilobum	3	8 00	
Blechnum Occidentale	2¼	4 00	35 00
Rubrum	3	6 00	
Cyrtomium Falcatum	2¼	4 00	35 00
Fortunei	2¼	4 00	35 00
Caryotidium	2¼	5 00	40 00
Davallia Fijiensis Plumosa	3	15 00	
Stricta	2¼	4 00	35 00
Dictyogramma Japonica	3	10 00	
Japonica Variegata	3	15 00	
Dicksonia Antarctica	2¼	6 00	
Gymnogramma Sulphurea	2¼	5 00	

	Inch pots	Per 100	Per 1000
Lastrea Aristata Variegata	2¼	4 00	35 00
Chrysoloba	2¼	4 00	35 00
Opaca	2¼	4 00	35 00
Lomaria Ciliata	2¼	4 00	35 00
Gibba	2¼	4 00	35 00
Lygodium Scandens	2¼	6 00	
" "	4	15 00	
Dichotomum	3	10 00	
Microlepia Hispida	3	6 00	
Nephrolepis Pectinata	5	15 00	
Nephrodium Hertipes	2¼	4 00	35 00
Niphoholus Lingua	4	15 00	
Onychium Japonicum	2¼	4 00	35 00
Platyloma Falcata	2¼	5 00	40 00
Polypodium Aureum	2¼	4 00	35 00
Polystichum Coreaceum	2¼	6 00	50 00
Setosum	2¼	5 00	40 00
Pteris Adiantoides	2¼	3 00	25 00
Argyræa	2¼	3 50	30 00
Cretica Alba Lineata	2¼	3 50	30 00
" Mayii	2¼	6 00	50 00
" Magnifica	2¼	3 50	35 00
" Wimsetti	2¼	4 00	35 00
Drinkwateri	2¼	4 00	35 00
Hastata	2¼	3 50	30 00
Internata	2¼	3 50	30 00
Leptophylla	2¼	3 50	30 00
Ouvrardi	2¼	3 50	30 00
Serrulata	2¼	3 00	25 00
" Voluta	2¼	3 50	30 00
Sieboldi	2¼	3 50	30 00
Palmata	2¼	3 50	30 00
Sitolobium cicutarium	2¼	6 00	
Selaginella Emiliana	2	3 50	30 00
MIXED FERNS, our selection	2¼	3 00	25 00
" " "	3	6 00	50 00

For a full line of DECORATIVE PLANTS and other SEASONABLE STOCK see our current QUARTERLY TRADE LIST, of which a copy will be mailed on application, if you have failed to receive one.

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

SITUATION wanted by a good all around greenhouse man; single, 27; good references. Address W D., care Florists' Exchange.

SEEDSMAN with the requisite experience, energy and staying qualities; city reference; try me. W. G., care Florists' Exchange.

WANTED—A position as private gardener, or to take charge of a commercial place. J. G. Schaefer, 382 B'way, Newburgh, N. Y.

SITUATION wanted as gardener, florist, by thoroughly experienced Hollander; A1 references. Address F. Th. C., 101 West 84th street, N. Y. City.

FLORIST wishes a situation as rose or carnation grower, experienced in greenhouse work; can grow first-class stock. W. B., care Florists' Exchange.

SITUATION wanted—Practical florist, general greenhouse experience; good cut flower grower and designer; reference. F. North, 66 Franklin st., Stamford, Conn.

SITUATION wanted by A1 grower of roses, carnations, palms, ferns and general stock; designer, 6 y'rs' experience, single, 23, best references. W. A. care Florists' Exchange.

SITUATION wanted—By a competent grower in any line, married, 16 years' experience; able to take charge; good reference. Address E. S., care Alex Young, 158 Cotton St., Springfield, Mass.

SITUATION wanted as grower of roses and general stock of plants; 20 years' experience in the largest places; best of reference. Rose Grower, P. O. Box 400, Madison, N. J.

SITUATION wanted, by a thoroughly competent grower of roses, violets, carnations, 'mums, and stove plants; life experience; German, married, age 28; furnish good references. State salary paid. Address V. Y., care Florists' Exchange.

SITUATION wanted by married man, no family, as head gardener; up to date in growing vegetables in open ground or under glass, also flower, shrubs and care of gentleman's first-class place. D., P. O Box 170, Bernardsville, N. J.

SITUATION wanted, in Brooklyn or New York, as designer and clerk; 7 years' experience in all branches of the business; age 22 years. State wages by week. V. L., care of this paper.

WANTED—A SITUATION BY AN all-around florist; best of reference from past and present employers. Address C. A. B., Box 31, Green Harbor, Mass.

YOUNG, UP-TO-DATE, ALL-ROUND man, married, holding position as foreman, desires a change. Y. W., care Florists' Exchange.

SITUATION WANTED AS WORKING foreman, where A1 stuff is wanted; all around, up-to-date grower; best references; vicinity N. Y. preferred. V. Z., care Florists' Exchange.

ROSE GROWER, HAVING LONG EXperience, wishes situation, commercial, where first class roses are wanted; Scandinavian, age 31; references as to ability and character. Christian Johnson, Waban Rose Conservatories, Natick, Mass.

HELP WANTED.

WANTED—Competent man, sober, to take charge house Carnations, $25 per month and board. Box 5, Highland, N. Y.

WANTED—Good florist to take charge, must understand roses; wages $25 per month, with board. Address, with reference, W. E., care Florists' Exchange.

SALESMAN wanted—For our florist and retail department: Thoroughly experienced in flower seeds and bulbs. Apply by letter. W. W. Rawson & Co., 12 and 13 Faneuil Hall Sq., Boston, Mass.

WANTED—A young man who has experience both in store and outside work, of good appearance and have reference; moderate wages; call after Monday, 12 M. Miller, 548 Columbus Ave.

WANTED—Man to take charge 6,000 ft. glass; experienced in growing roses, 'mums, violets, cut flowers and plants for retail trade and general greenhouse work; must be temperate, honest and willing to work; good references required. Address, stating wages with references, Mills, 55 Front St., Binghamton, N. Y.

WANTED a thorough commercial gardener and florist, also able to make up designs for a wholesale and retail place near Boston; must be a good grower of general greenhouse stock, including palms, ferns, roses, etc.; none but a thoroughly competent man need apply; also no private gardener; state wages and references. Address W. F., Florists' Exchange.

Mention the Florists' Exchange when writing.

HELP WANTED.

WANTED—Florist clerk and designer; some knowledge of plants and seeds required; wages $12.00 per week. Apply in person. John Reck, Bridgeport, Conn.

MISCELLANEOUS WANTS.

WANTED—Small, second-hand refrigerator, in good condition. Address W. H., care Florists' Exchange.

WANTED—A second-hand set of Nicholson's Dictionary of Gardening; state condition and price. Address Box 152, Sedford, Mass.

WANTED 3000 ft. of 10x12 glass, double thick, state price. George I. Laird, 3014 Fulton St., Brooklyn, N. Y.

WANTED, at once, 200 or 300 Salvias. Please state price and size and condition of plants. P. M. DeWitt, Bridgewater, Bucks Co., Pa.

WANTED—A good base-burning heater, second hand, and enough pipe to heat a house 16x76 ft. Write J. W. Goree, Whitewright, Texas.

WANTED—A grower to furnish two to three thousand Carnations a week, in variety, from September on; weekly payments. C. F. Fairfield, Mgr., Springfield, Mass.

WANTED TO RENT AT ONCE—greenhouse plant of about 10,000 sq. ft., suitable for carnations and miscellaneous stock; in good order; Long Island preferred. Address Bolind, Bollis, L. I., Box 17.

BUSINESS OPPORTUNITIES.

AN old establishment for sale; good retail trade, 10 greenhouses, 15 lots of land, small dwelling house. T. Y., care Florists' Exchange.

BARGAIN—3 greenhouses; 100 sash; 800 feet 2 inch, 1200 feet 4 in. ch. pipe; 3 boilers. J. A. Foster, 17 Mather street, New Dorchester, Mass.

FOR SALE or rent—One of the best florists' plants in New England. Death took my wife away and I am too old to run the business. Will sell at a sacrifice. This is the chance of a lifetime. For any information address P. Gormley, Worcester, Mass.

FOR SALE—Place of 25,000 feet of land, ten miles out of Boston, with 72-foot greenhouse, a two-tenement house, stable, etc.; electrics pass door; three minutes from nearest R. R. station, five minutes from two others. For further particulars apply to F. J. Norton, 61 Mass. Ave., Boston.

GOOD OPPORTUNITY.—Lease, with privilege to buy, four greenhouses: two 100x20, two 100x10, with ground; hot-water heating; good location; retail business; cut flowers and pot plants; 15 minutes from New York. Verbal applications preferred, with principals only. 676 Avenue E, Bayonne, N. J.

FOR SALE—14,000 feet of glass, used mostly for roses, 4 acres of ground and 2 dwelling houses; 3 minutes from station, city improvements, hot and cold water, and good forcing water in greenhouses supplied by Summit Water Co. On account of illness with rheumatism, will sell whole or part interest. A. Harth, Milburn, N. J.

FOR SALE—8 greenhouses, double span, all sashes 3 ft. 9 in. wide, 6x8 glass, bedded in putty and white lead; 1 house, 4x8 ft. sash; 3 houses, 6 ft. sash; 2 houses, 8 ft. sash; 1 house, 8 ft. and 12 ft. sash, all 75 feet long; 1 house, 12 ft. sash, 58 ft. long; 1 house, 12 ft. sash, 76 feet, 6x10 glass; rafters and ridges first-class pine; all in good order; 3500 feet 4 in. pipe. J. G. Plordt's Sons, 899 Broadway, Albany, N. Y.

TO LEASE for a term of years, very desirable greenhouse property; two houses 150x20 and 60x20, heated by steam; over two acres land, sixteen miles from Boston, 3 minutes to station, trains hourly to and from the city; rare chance for rose grower; possession given Sept. 10th. Further particulars, apply to Patrick Welch, 15 Province St., Boston, Mass.

FOR SALE—At 169 Greenpoint avenue, near Borden avenue, Bliesville, L. I. City, house and greenhouse; hot water boiler and pipes all in good order; or will sell greenhouse separately; can be bought cheap on terms to suit the purchaser. Inquire at Wm. O'Brien's saloon, opposite, or of John W. Brown, owner, 151 Halsey street, Brooklyn, N. Y.

FOR SALE—Bargain, $18.0, easy terms, located on famous Merrick, near Lynbrook, L. I., nearly two acres of land, 3 greenhouses, large size, small dwelling, fuel enough for 5 years, 25,000 pots; fine, well-paying plant; $2000 a year has been, and more can be made; sold account of poor health; good home market; everything in working order. Address, one week, "Brooks," 152 Flatbush ave., Brooklyn, N. Y.

Mention the Florists' Exchange when writing.

OBITUARY.

B. R. Cant.

B. R. Cant, of Colchester, who has been styled the "champion rose exhibitor of England," died July 17, aged 73 years. His list of honors included 2,080 first prizes, cups, medals, etc. He introduced into England the varieties General Jacqueminot, Jules Margottin, and Gloire de Dijon. The business, which has been established 134 years, will be carried on by his two sons.

John Mitchel.

John Mitchel, who managed the greenhouses on his property on Town Hill, New London, Conn., died July 23, after a long illness, in the 71st year of his age. He had been a resident of New London for nearly seventeen years, going there from Yonkers, N. Y. Mr. Mitchel was a kind-hearted and considerate man, and he will be greatly missed by his immediate friends, as well as by his bereaved family. He leaves a widow, a son, and a daughter.

Charles F. Webb.

Charles F. Webb, of Denver, Col., died at his home, Thursday, July 26.

In the death of Mr. Webb Denver has lost one of its brightest and most popular young florists. He was but 27 years of age, but during his short life had worked himself up to a proud standing in his calling. On leaving school in 1893 he started to work at the florist business, and it was only a short while before he was taken in as partner in the firm of Glauber & Webb.

Mr. Webb was a Denver boy, and had never traveled out of the state. He was looking forward to an eastern trip, but was taken ill on the eve of his departure. He was sick but three days, when he succumbed. Charlie, as he was familiarly known by everybody, will be sadly missed by the trade in Denver, as well as by the Florists' Society.

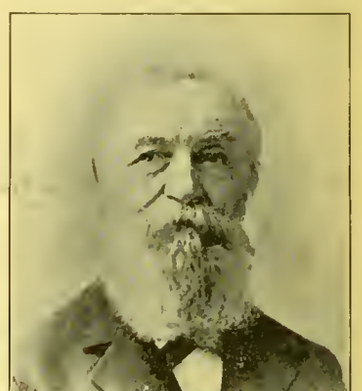
Charles H. B. Breck.

Charles Henry Bass Breck, the veteran Boston seedsman, died August 1, at the home of his son-in-law, Mr. Willard G. Brackett, 57 Bellevue street, Newton, Mass. He was 80 years old.

Mr. Breck was born in Pepperell, August 23, 1820. About eight years later the family moved to Lancaster, Mass., and there his education was acquired at the Lancaster academy. He began to assist his father at an early age, manifesting great aptitude for business, and possessing many of his father's distinguished traits. His progress was steady and substantial. In 1850 he became a partner in the "New England Agricultural Warehouse and Seed Store," established by his father, and of which he was the senior member and head since June, 1873, when his father died. During his long connection with the business it has developed and expanded to large proportions. In 1893, after having absorbed several minor concerns, Joseph Breck & Sons bought the stock and business of Parker & Wood, and combined the plants of the two houses, incorporating under the statutes of Massachusetts as the Joseph Breck & Sons' corporation, with Charles H. B. Breck president; his sons, Charles H. Breck and Joseph F. Breck, respectively treasurer and secretary; Edward O. Hatch, general manager, and Archibald Smith, manager of the seed department. The business now crowds the capacity of its four buildings, with their two acres of floor space. In addition to his business duties, Mr. Breck was called upon to fill many positions of honor and trust, and this he did with unswerving fidelity and indefatigable energy.

Mr. Breck was active and zealous in the affairs of the Massachusetts Horticultural Society, of which he was for many years a member, serving as chairman of the committee of arrangements for 17 years, and being vice-president to the close of his life. He was also a member of the New England Historic-Genealogical Society, and many other associations.

Mr. Breck was greatly interested in Masonry, and was the oldest surviving past master of Bethesda Lodge of Free and Accepted Masons of Brighton, of which body he had been a member about 55 years. He was also a member of the Boston Lafayette Lodge of Perfection.



The Late Hon. C. H. B. Breck.

In religious affinities Mr. Breck had always been connected with the Congregational denomination, being an attendant at the church in Brighton. For many years a director of the Metropolitan National Bank of Boston, it was only recently that warned by the failing strength of advancing years, he resigned the position in favor of his son, Charles Henry Breck, who was elected to succeed him.

A kind, thoughtful and helpful father and employer, Mr. Breck has always attracted youth, encouraged its confidences and aided its aspirations. His wonderful vitality and activity at an age when men are generally inclined to spare themselves, was largely due, as he believed, to the society of the young and cheerful, a vital interest in affairs, and a determination to remain young in heart, at least, to the last.

Mr. Breck always had a willing ear and sympathetic heart for those in need or sorrow, and was ever ready to assist, through personal effort or direct pecuniary aid, the necessities of those who called upon him. It used to be said of him that he would work harder to help a friend or a worthy applicant for his assistance than he would in matters wherein he was directly interested.

Since the destruction of the homestead by fire, April 19, 1896, Mr. and Mrs. Breck had resided with their daughter in Newton.

Mr. Breck is survived by his wife and three children, Charles H. and Joseph F. Breck and Mrs. Willard G. Brackett.—*Boston Globe.*

MISCELLANEOUS.

FOR SALE, some extra good second-hand 3-inch pipe, at 6c. per foot; also some 4-inch; secure it while it lasts. W. H. Salter, Rochester, N. Y.

FOR SALE—Second-hand sash, 30, 3 ft. x 10 ft.; 39, 3 ft. x 6 ft.; 32, 3 ft. 9 in. x 5 ft. 7 in; in fair condition; cheap. L. H. Foster, 45 King street, Dorchester, Mass.

FOR SALE—One Hitching No. 15 and one No. 3 Hot Water Boilers, in A1 condition; also a quantity of 3 and 3½ in. wrought iron pipe; cheap for cash. L. C. Holton, 321 School St., Bennington, Vt.

HERE is your chance—For sale, 800 feet 2-inch pipe, with fittings and valves, price $35; also one Wilkes boiler No. 16; will heat house 60x16, price $40; all used two winters only; 1600 panes 8x10 glass, 2 cts. a pane; cash only. Address G. A. Zodewyks, 169 Greenpoint avenue, Bliesville, Long Island City, N. Y.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Roschouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.

Mention the Florists' Exchange when writing.

NASHUA, N. H.—G. E. Buxton has finished a fine house for carnations, of which he has some thousands planted out. They are summering well, making close, stocky growth. Mr. Buxton has his grip packed for the convention.



Boston.—Following are the July averages:

	Strings	Pins	Av'ge
Sutherland	17	2313	135
F. J. Norton	17	2198	131
Rough	12	1252	104
Martin	13	1608	123
Cotter	10	1083	108
Love	8	1077	134
Minton	8	698	87
Ewell	6	616	102
M. H. Norton	5	751	150
Stewart	5	582	116
P. Welch	2	198	98
Leavitt	3	320	106
Ingram	4	508	127
Morton	4	373	93
Hannon	4	401	100
Riley	4	377	94
Ed. Welch	7	841	120

F. J. N.

New York.—The following scores were made on Monday night last:

	1	2	3
T. Roehrs	158	137	118
E. Steffens	110	126	183
F. H. Traendly	113	218	133
J. A. Manda	180	115	158
W. Siebenheller	114	157	133

Chicago.—The closing series of games, for a position on the tournament team, was played at Mussey's, on Friday evening, July 27, with the undernoted scores. The following five men will comprise the team in the order given: George Asmus, E. S. Winterson, John Degnan, P. J. Hauswirth, George Stollery, with some little matter to settle between Fred Stollery and C. M. Balluff, as to which of these is to be sixth man.

	1	2	3
Hauswirth	195	146	158
Degnan	158	171	176
Balluff	114	128	120
Kreitling	127	133	158
Winterson	158	132	144
Asmus	153	135	128
F. Stollery	134	222	158
Wilson	126	158	138

There was a large number present to see the game, the following scores being made in a contest gotten up by others, among them M. Bloy, of Denver, Col., and Harry Balsley, of Detroit:

	1	2	3
Gus Lange	96	91	...
M. Bloy	118	142	139
C. Sweigert	135	111	...
J. Reardon	92	107	...
W. Tipisdy	121	85	...
Savage	176	163	167
H. Balsley	172	...	...

Ess.

Tarrytown, N. Y.

The Tarrytown Horticultural Society held its monthly meeting July 26. C. P. Johnstone, Wm. Hyland and Albert Griswold were elected to membership. Mr. Boschard put up a fine display of French gladiolus. Wm. Scott read a paper on "Points to Exhibitors," which was well received and thoroughly discussed. Jas. W. Withers, of New York, was a visitor.

R. A.

New Orleans, La.

Trade Notes.

There is very little doing just now in the way of business. Flowers are very scarce. We are having rains every day and foliage plants are growing fast. So far our Summer has not been so bad; the every-day showers cool us off, and stock is looking well in most places. Young roses are making good growth now. A great deal of tropical bedding is being done in Audubon Park. Our City Park Commission is spending thousands of dollars in making new canals. Ground was broken last week in Audubon Park for improvement making, according to Mr. Olmsted's new plans.

J. Steckler has returned from a visit to the East and West, taking in most of the principal cities. He was present at the Seed Trade Convention in Chicago. Since Mr. Steckler bought his new place last year, he has made great improvements. His firm is going in strong for raising fancy chickens; they also do a little in the plant line and have built one greenhouse.

H. P.

New York.

The Market.

This week's business has been smaller in volume even than last week's. There seems to be nothing doing, except the execution of occasional funeral orders; and, for the small demand thereby occasioned, there are scarcely enough good flowers to be had.

The supply of high-grade roses and carnations has been very limited, making it possible for those having such blooms to realize a good figure for them.

Ernst G. Asmus is sending in Kaiserin Augusta Victoria that are selling at $8 and $10 per 100, and some President Carnot that bring from $5 to $8 per 100. The best Bridesmaid arriving at present are from Peter Crowe & Co., Utica, N. Y., the selected flowers have brought 8c. each.

F. R. and P. M. Pierson, Scarboro, N. Y., is about the only firm supplying long-stemmed Beauty, and these, by the dozen, are realizing $4.

Good carnations are quite scarce, and when to be had they fetch $1.25; ordinary blooms are rather more plentiful (though not to any excess), and bring from 50c. to 75c. per 100—just the same price as No. 2 Bride and Bridesmaid roses.

Lily of the valley and orchids are in only moderate supply, and there is enough demand to keep them from accumulating. Gladiolus and asters are the principal flowers, however, and many more of the latter are coming in than can be disposed of satisfactorily. In bunches of 10 they go at 2c. and 3c. a bunch, in small lots; when quantities are wanted, almost any figure is taken. On Thursday morning one of Brooklyn's regular buyers secured a lot at 50c. per 100 bunches.

Aside from the asters and gladiolus, there is at present, a dearth of out-door flowers. Sweet peas are hard to find, and a few dahlias and rudbeckias are about the only other stock of this class to be had.

Smilax and maidenhair fern are in very poor demand, although there is plenty of good stock of both on hand.

Sports.

Another bowling team has entered for the coming tournament, making altogether eight in the list, the latest one to enter being Pittsburg. Secretary Chas. Schenck informs us that several inquiries are received from bowling clubs, asking whether there is any entrance fee in order to participate in the tournament, but he is unable to answer the query, as no information has been received as yet from the Committee of the National Bowling League.

Among the numerous prizes offered for the coming tournament is a silver cup from Traendly & Schenck, wholesale florists, to be awarded the individual making the highest score. Also a silver cup from Theo. J. Lang, retail florist, Sixth avenue, which will be given to the one making the highest average in the three games played.

Chairman Wm. J. Elliot, of the Shooting Committee, has secured a range at Dexter Park, Cypress Hills, L. I., where the shooting will take place. This will be more convenient than the McKnight Meadows, where it was at first intended to hold the contest.

Jottings.

John Young and his two brothers George and William, from Clifton, N. J., spent a few days together at Norwich, Conn., last week.

Philadelphia.

Sad Bathing Accident.

A most distressing and fatal bathing accident occurred on Tuesday last, at Ocean City, N. J., when two of the beloved daughters of Edwin Lonsdale were drowned. The sorrowful affair has cast a gloom over the entire trade in this vicinity, everyone feeling sad and sympathetic, and only wishing they could do something to relieve the heavy strain brought upon the bereaved family. The two young ladies who lost their lives were Miss Jennie Lee Lonsdale, 21 years old, and Miss Sarah Burton Lonsdale, 19 years old. They were staying at Ocean City, as the guests of Mr. and Mrs. S. Mendelson Meehan, of the firm of Thos. Meehan & Sons, nurserymen, Germantown, who had recently built a cottage at this popular seaside resort. The party, comprising six persons, went in bathing about 10:30 a. m., and only two were saved. Those in the party were Mrs. S. Mendelson Meehan, the Misses Lonsdale, Misses Virginia and Elsie Lowe, daughters of Prof. Lowe, of Germantown, 22 and 25 years of age respectively, and their brother, C. B. Lowe, Jr., 15 years of age. Mrs. Meehan and C. B. Lowe, Jr., were the two who were saved. The accident occurred shortly before 11 a. m. All were going farther out in the surf, the Misses Lonsdale leading, when they were swept off their feet by the swift undertow and carried into a recently formed hole or gully. Mrs. Meehan had presence of mind to float on her back until assistance came, but she was unconscious when carried out. C. B. Lowe, being able to swim a little, managed to keep afloat until rescued. When the life guards reached the Misses Lonsdale they had ceased struggling, but had not yet sunk, and just appeared as if unconscious. On being taken ashore medical aid was summoned, and the physicians tried every known device to restore life, but after working over the unfortunate ladies for one hour, all their efforts proved of no avail, and life was pronounced extinct. The Misses Lowe had sank and their bodies were recovered two hours later.

All the young ladies were prominent in social affairs and belonged to a church society. They were taking their Summer outing together. The Misses Lonsdale were quiet and reserved young ladies and commanded great respect. Miss Jennie had for the past two years acted as stenographer and typewriter for George C. Watson. Their home life was beautiful, and their accomplishments were many and varied; thus the blow is felt all the more. The hope is expressed on all sides that the bereaved parents and family may all be given sufficient strength to bear up under the heavy burden they have so suddenly and unexpectedly been called upon to bear. At present writing it is expected that the funeral will be held on Friday afternoon.

[The FLORISTS' EXCHANGE tenders to Mr. Lonsdale and family its heartfelt sympathies in the irreparable loss they have sustained; in which we feel sure the whole florist trade of America will join.—Ed.]

Toronto.

There is no change in the business situation. Roses from the new stock are improving. Asters are coming in more plentifully, and sweet peas are abundant, with a light demand.

There is likely to be a goodly number of the boys who will go to Montreal to the Convention, and the meeting there is sure to be a very good one. All members of the trade here should go if possible, for the Montreal florists are a bright, wide-awake body of men, whom it is a pleasure to meet; and they have a fine city to show the members.

I regret to have to chronicle the death of another of our prominent citizens, Mr. P. G. Close, president of the electoral district Agricultural Society and vice-president of the Industrial Exhibition Association. He was a popular and kindly man and will be much missed.

T. M.

Detroit.

We are having cool nights and plenty of rain, causing carnations to make a fine strong growth; and the growers are busy planting. The supply of cut stock seems equal to the demand.

RAG.

MONTPELIER, VT. — Ernst Jacobsen has built up a snug business in this, the home of the hero of Manila. Mr. Jacobsen is at present enjoying a vacation in Europe, leaving John H. Cox, who is well-known to a crowd of Bostonians, in charge. Mr. Cox has improved the place since he took it in hand.

BURLINGTON, VT.—Members of the craft will be glad to know that John Wilson has fully recovered from his recent severe illness. At one time the doctors bade him farewell, but his sturdy constitution carried him through. In the meantime, the business was well carried on by Mrs. Wilson, assisted by her daughters. As an acknowledgment of their success, Mr. Wilson proposes giving them a trip to the convention, feeling assured that both pleasure and profit will be obtained by so doing. Mrs. Wilson shewed me some of the finest plants of Asparagus Sprengeri I have ever seen grown by a lady of the craft.

ST. ALBANS, VT.—George Cook has plans for adding to his plant. The past season has been a good one.

PLATTSBURGH, N. Y.—William Cooke is rebuilding, and hopes to be through in time to attend the convention, which he is sure will surpass all its predecessors.

W. M.

100,000 SMILAX Extra fine, strong plants, out of frames at 40 cts. per 100, by mail; $1.50 per 500, $2.50 per 1000. by express.
GUSTAV PITZONKA, - Bristol, Pa.

CELERY PLANTS In five leading varieties, strong, stocky plants, ready to plant out, at $2.00 per 1000; $15 00 per 10,000.
FLAT DUTCH CABBAGE $1.00 per 1000; $8.00 per 10,000.
GUSTAV PITZONKA, - Bristol, Pa.

PRIMROSES

Improved Chinese, ready for 3 in. pots. Well known throughout the U. S. and Canada as the finest large-flowering fringed varieties grown. **Singles,** named, $2.00 per 100; $14.00 per 1000. **Doubles,** named, $3.50 per 100. Extras added liberally to help pay expressage. **Primrose Seed,** of best 15 varieties, single and double, mixed, 500 seeds, $1.00; half packet, 50 cts.

GIANT PANSY SEED

The very best of mammoth varieties; no finer ever offered; all the seed plants critically selected. **Sow the Best.** Packet, 3500 seeds, $1.00; half pkt., 50 cts. A packet of the grand new dwarf Forget-Me-Not "Blue Beauty," added to every seed order. Strictly cash prices.

The Home of Primroses, **JOHN F. RUPP, Shiremanstown, Pa.**
Mention the Florists' Exchange when writing.

Plant Culture

NOW READY FOR DELIVERY.

FORMERLY ADVERTISED AS

COMMERCIAL PLANTS

THEIR PROPAGATION AND CULTURE.

BY GEORGE W. OLIVER, PROPAGATOR TO THE U. S. BOTANIC GARDEN, WASHINGTON, D.C. AND LATE OF THE ROYAL BOTANIC GARDEN, EDINBURGH.

A working Hand Book of Every-day Practice for the Florist or Gardener, and those who intend to grow plants and flowers, in the greenhouse or garden, as a means of obtaining a livelihood. Each and every article is written in concise, simple language, and embodies wholly and solely the experiences of the writer.

The plants dealt with comprise those which are commercially handled by **Florists, Gardeners and Nurserymen,** and include **Florists' Flowers, Stove and Greenhouse Plants, Hardy Herbaceous Plants, Annuals, Shrubs, Hardy and Tender Vines,** and a chapter on miscellaneous subjects in connection with the above.

This reliable cultural book has been gotten up for use not ornament, therefore the price has been fixed at a figure within the reach of all, while it contains more real practical information for those for whom it is intended than is to be found in much more pretentious works costing ten and twenty times as much money. Strongly bound to stand rough handling and plenty of it. **Price, $1.00 by mail, postpaid.**

A. T. DE LA MARE PTG. & PUB. CO., Ltd., 2 to 8 Duane St., N. Y.

10,000
AMERICAN BEAUTY PLANTS

Fine stock, from 3 inch pots, $5 per 100; $40 per 1000.

	Per 100	1000
BRIDESMAID, 3 in. pots	$4.00	$35.00
PERLE, 3 in. pots	4.00	35.00
METEOR, 3 in. pots	$4.00	$35.00
GOLDEN GATE, 2½ in. pots	4.00	35.00
KAISERIN, 3 in. pots	4.00	35.00

PETER REINBERG, 51 Wabash Ave., CHICAGO

Mention the Florists' Exchange when writing

40,000 FIRST QUALITY FORCING ROSES!

READY FOR IMMEDIATE PLANTING.

Fully equal to those sent out the last eight years; first-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.

AM. BEAUTY, BRIDE, BRIDESMAID, MAID OF HONOR, METEOR, KAISERIN, SAFRANO, BON SILENE, PERLE. 3 in. pots, $7.00 per 100 4 in. pots, $10.00 per 100.

GRAFTED ROSES MAID OF HONOR, GOLDEN GATE, 3½ inch pots, $15.00 per 100. LIBERTY, 4 in. pots, $8.00 per doz; 50 plants, $24.00.

Mention this paper. J. L. DILLON, Bloomsburg, Pa.

PHILADELPHIA ROSES

HIGH ART NOVELTIES

3 new Colors of Small Buds for Debutante Work—considered more Rare than Orchids. Stock is Limited. ORDER Early.

MYERS & SAMTMAN, CHESTNUT HILL, Philadelphia, Pa.

Mention the Florists' Exchange when writing

Field-Grown, Own Root
ROSES

All the best sorts, tender and hardy. Our solicitor will visit you and make prices, regardless of where you live or quantity you want, if you will drop us a card at once.

THE HOWLAND NURSERY CO.,

LOS ANGELES, CAL.

Mention the Florists' Exchange when writing.

Send for our price list. We have a fine stock for Fall delivery of

FIELD-GROWN ROSES

CLEMATIS, two-years-old, strong.
FLOWERING SHRUBS fine assortment.
ORNAMENTAL TREES. CONIFERS.

To avoid disappointment, order now a supply of

ROSE STOCKS FOR GRAFTING

(Prices, delivered in this country).

Rosa Manetti .....$12.00 per 1000
Rosa Polyantha..... 8.00 per 1000
Rosa Laxa (Froebeli).. 8.50 per 1000

The stocks most largely used by European growers for grafting Tea Roses.

Our representative, Mr. J. Austin Shaw, will be at the Convention, and will be pleased to quote prices upon any wants in our line.

JACKSON & PERKINS CO., Newark, New York

Mention the Florists' Exchange when writing.

ROSES

Perle, Sunset, Niphetos, Souv. de Wootton, Kaiserin Augusta Victoria

Strong clean plants, from 3 in. pots, $7.00 per 100; $65.00 per 1000.

Brides, Golden Gate, Bridesmaid, La France, Bon Silene, Maid of Honor, Duchess of Albany, Mermet, President Carnot

Strong, clean plants from 3 in. pots, $6.00 per 100; $55.00 per 1000.

LIBERTY

12 plants for.....$2 20
25 " " 12 50
50 " " 15 00
100 " " 28 00

READY FOR VIOLETS IMMEDIATE PLANTING.

Marie Louise, from 2½ inch pots, fine stock, $3.00 per 100; $25.00 per 1000.

CHRYSANTHEMUMS

Mrs. Barr, Metn, Silver Wedding, all fine varieties, strong plants, from 2½ in. pots, $5.00 per 100.

Autumn Glory, Dorothy Devins, Elvena, H. W. Longfellow, H. L. Sunderbruch, Marvin Jones, Miss Helen Wright, Miss M. M. Johnson, Pitcher & Manda, Pride, Ada Spaulding, B. M. Giroud, J. H. Troy, Mrs. S. Humphreys, Mme. F. Bergmann, Nivens, Thos. H. Brown, Black Hawk, Eureka, Golden Wedding, J. H. Woodford, Iora, Mrs. H. Weeks, Maude Adams, Nemesis, Pink Ivory, Primrose, Belle of Castlewood, Helen Bloodgood, Major Bonnaffon, Marguerite Graham, Minerva, Riverside, T. H. Morse, W. H. Lincoln

Strong plants from 2½ inch pots, $3.00 per 100; $25.00 per 1000

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

AMERICAN BEAUTY

4 in., $15.00 per 100; LIBERTY 3½ in., $50.00; 4 in., $75.00 per 100; Maid and Bride, from GRAFTED plants, 3½ in., $8.00; 4 in., $10.00 per 100: Perle, 3½ in., $8.00; 4 in., $10.00 per 100. Also Sunset, Meteor, Morgan, Mermet, La France, Niphetos, Kaiserin, Golden Gate, Bon Silene, 3, 3½, 4 in. Asparagus Plumosus, all sizes Marie Louise Violets.

A. S. MAC BEAN, Lakewood, New Jersey.

Mention the Florists' Exchange when writing.

IF YOU NEED ROSES
Send us your list for prices.

THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.

Mention the Florists' Exchange when writing.

ROSES

300 La France, 500 Kaiserins, 100 Gontiers, 200 Maids, 250 Brides, 200 Golden Gates } 4 inch, nice plants, $5.00 per 100.

CASH WITH ORDER.

A. A. WHITBRED, - Altoona, Pa.

Mention the Florists' Exchange when writing.

ROSE PLANTS

In varieties, from 2½, 3 and 4 inch pots. Write for prices.

	100
Lemon Verbena, 3 in. pots	$4 00
Sansevieria Zeylanica, 3 in. pots	5.00
Asparagus Plumosus, 2½ in. pots	5 00
Asparagus Sprengeri, 2½ in. pots	4.00
Nephrolepis Cordata Compacta, 2½ in..	3.00
N. Cordata Compacta, 3 in. pans ..per doz.,	6.00
Field-Grown, Scotch Hardy Pinks, at $3 50 per 100; $30.00 per 1000. 6 varieties.	

THE NATIONAL PLANT CO., Dayton, Ohio.

Mention the Florists' Exchange when writing

ROSE PLANTS

Meteor, Bridesmaid, Bride, La France } From 2½ and 3 in. pots, per 100, $3.00; per 1000, $25.00.

American Beauty and La France, bushes headed in open ground, per 100, $2.50; per 1000, $20.00.

The above is all clean, strong stock, ready for planting, no better to be had.

GEORGE REINBERG,
51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing

ROSES

	2½ inch Per 100	2½ inch 1000	3 inch Per 100	3 inch 1000
Brides	$3.00	$25.00	$5.00	$45.00
'Maids	3.00	25.00		
C. Soupert	3.00	25.00	5.00	45.00
Meteor	3.00	25.00	5.00	45.00
Am. Beauty			8.00	75.00

Mixed Jardiniere Ferns Mostly Pteris varieties, $3.00 per 100; $25.00 per 1000.

Asparagus Sprengeri 2½ in., $1.00 per 100; $35.00 per 1000.

Asparagus Plumosus 2½ in., $6.00 per 100; $55.00 per 1000.

Adiantum Farleyense Fine stock, 6 in. pots, at 50 cts. each.

Smilax 3 in., $4 00 per 100.

Dracaena Terminalis 4 in., $15.00 per 100.

Phoenix Canariensis Elegant stock, 4½ to 5 in., $20.00 per 100.

Chamaerops Excelsa 5 in., $25.00 per 100. 4 in., $20 00 per 100

J. B. HEISS, The Exotic Nurseries, **Dayton, Ohio.**

Mention the Florists' Exchange when writing

VIOLETS. VIOLETS.

Maria Louise, clean and healthy in every particular. 3 in. pots, $5.00 per 100; ready August 1st. Cash with Order.

WM. J. CHINNICK, - Trenton, N. J.

Mention the Florists' Exchange when writing.

Marie Louise Violet Plants

Clean, Healthy Stock.

From soil, $2.25 per 100; $20.00 per 1000.

Cash with order.

L. R. LANE, Babylon, L. I., N.Y.

Mention the Florists' Exchange when writing.

VIOLETS

From pots, A1 stock, free from disease: Lady Campbell, M. Louise and Farquhar, $2.50 per 100; $20.00 per 1000. New Imperial, $3.00 per 100; $25 00 per 1000.

ROSES

Fine plants of Meteor and Perle from 3 in pots, $4.00 per 100, $35.00 per 1000, also 3 inch 'Maids and Brides, same price.

300 BUSHY SMILAX

Plants, 2½ in. pots, $1.50 per 100.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

ROSES! ROSES!

Extra strong plants from 4 inch pots.

'MAIDS and BRIDES, $5.00 per 100.

CASH WITH ORDER.

ROBERT WILLIAMSON, New Durham, N. J.

Mention the Florists' Exchange when writing.

ROSES—CHEAP

In 3 and 4 inch pots, American Beauties, own roots, or on Manetti Stocks. Also Climbing Augusta Victoria and M. Nell, own roots. Price on application. In 2 inch pots, Brides, Meteor, Bridesmaid, Child's Jewel, M. Niel, Golden Gate, $2.50 per 100. We have 30 other varieties; send for prices.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Mention the Florists' Exchange when writing.

SPECIAL

4000 Fine Brides and Bridesmaids, from 3 and 3½ in. pots, at $4.00 per 100.

Smilax Seedlings, in Boxes, at $1.00 per box. CASH WITH ORDER.

JAMES HORAN & SON, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

METEOR ROSES.

3½ inch pots, per 100, $4.00; per 100, $37.50.

Potted and repotted 4 times. These plants are vigorous and unusually fine. Packed to safely ship any distance.

BRANT & NOE, Forest Glen, Chicago, Ill.

Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS...
and Novelties in Decorative Plants.
Market and 49th Sts., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

Growth of Florists' Business in Illinois and Chicago.

It will be recollected that in Professor B. T. Galloway's estimate of florists given in the Year Book just issued, there was, in Illinois, among the 600 to 800, as he gave it, 4,250,000 feet of glass. This estimate is too low. There is, without a doubt, easily a million more feet of glass in Chicago and its tributary towns than this total given for the State, of course, adding the increase this year, of which I have information to date, viz., 640,000 square feet of land covered with glass for all Illinois, with all but 30,000 feet to be credited to this city and towns contributory thereto.

Having spent a little time lately in going over this matter, more particularly to ascertain the growth in the last twenty years, I will give briefly the result of my inquiries:

I may here say that this is something more than a mere guess, because I have taken the pains to go back to documentary evidence for the figures of 1880. These I either have myself, or they are in some printed form, within my reach.

At that comparatively early date, I can put my hand on every name going to make up the 104 florists credited to Chicago and its vicinity, a large number of whom I knew and the places they had. Fifty thousand feet of glass was the very top notch at that time, and there are more in number to-day having from one hundred thousand feet up to five hundred thousand, than there were in 1880 that had 30,000 feet to an establishment.

Twenty years ago, in fact, was, out here, just the dawn of the rose and carnation era, that has now assumed such monstrous dimensions that it apparently, mainly, enables from fifteen to twenty wholesalers to make a good living in the selling of these flowers alone.

Recapitulated, the matter stands thus:

Population in Chicago, 1880, per United States census.....	503,185
Square miles in city limits at that time.....	37,000
Population in Chicago, 1900, estimated (supposed too high)..	2,000,000
Square miles in city limits, 1900.	186,000
Florists in city limits in 1880....	61
Outside contributory towns.....	43
Total, 1880.....	104

Estimated surface of glass among them.....500,000 square feet

Florists in city limits in 1900...	377
Contributory towns.....	140
Total, 1900.....	517

Estimated surface of glass among them.....5,500,000 square feet

Seven firms have not less than 1,725,000 of this quantity alone. In Illinois, outside of Chicago and contributory towns, my estimate for 92 towns and cities is 1,225,000 square feet, or a grand total for Illinois, say, of six million, seven hundred and twenty-five thousand feet of glass—a pretty good growth since I came to the city when it had three florists, each with one greenhouse, not exceeding 50 feet in length, heated by flues.

EDGAR SANDERS.

NOTES BY THE WAY.

SARATOGA SPRINGS, N. Y.—The steady sale of violets has induced T. J. Totten to build a house, on modern principles, as an experiment. If successful, he will add. The new variety Imperial is planted on one side, Marie Louise on the other. Plants were of equal size when set out, but the Imperial is now double the strength of the older kind. His carnation, Young America is a grand flower, in Summer as in Winter; at time of writing (July 20) crops are being picked of flowers as large and stems as strong, fully equal to many kinds at their best, in midwinter. Considering the heat, this variety has done remarkably well, but another week will see its finish. Beauty are rather later than usual in making their Summer growths, owing, possibly, tot he excessive drought and heat. No rain has fallen in this country of mineral springs for weeks past; all the moisture is underground. There is an abundance bottled up for the thirsty visitor, who has not put in an appearance as early as usual this season, nor in such large numbers; but their stay may be later to even up things. The floral parade promises to be as elaborate an affair as usual.

ALBANY, N. Y.—John Dingwall says, had he known what an enormous demand there would have been for geraniums he would not have so quickly sold out. Another season will find him with a bigger stock—no doubt they will be in as good demand. The drought is telling on carnations in the field; plants are making but little growth. The Marquis exhibits its vigor by surpassing all other kinds in the same patch.

L. Menand is investing some of the profits of the season in a new iron Hitchings house, 100 x 24 feet.

H. G. Eyres has purchased the Division place and is putting things into shipshape; this will give him excellent facilities for storage purposes, being very convenient to the store. I noted some exquisite designs in loving cups and rose bowls of dull gold color, and understand the design originated with Mr. Eyres, who is as original as he is progressive.

Fred. C. Danker has secured additional space that will greatly facilitate his business, which is progressing most satisfactorily. He reports a better demand than supply of good quality roses and carnations at the present time. Young America is the best carnation seen in this town at this season of the year.

Sam Goldring is in the Adirondacks recuperating.

Fred. Goldring has the place at Slingerlands in full working order; the houses are all planted. He is growing more roses and carnations than heretofore, and the same area of Marie Louise violets.

LITTLE FALLS, N. Y.—J. O. Graham has just returned from a trip to Kokomo, Ind., where he was the guest of his brother-in-law, W. W. Coles. This was Mr. Graham's first experience in the West, and its productions agreeably surprised him, although, as he says, he can also produce Kaiserin, with five-foot stems, if his patrons will pay the price.

AMSTERDAM, N. Y.—J. C. Hatcher has plans for two additional houses, but will wait until after convention time, expecting to get some new ideas at that gathering, which promises to take the banner.

UTICA, N. Y.—Wm. Mathews is rebuilding several houses. One can always see something interesting in orchids at this place. At time of my visit a grand lot of Dendrobium Dalhousianum was in bloom.

W. J. Crowe is summering in the Adirondacks for the benefit of his health which is causing his friends much anxiety. It is hoped the change will do him good.

The business of C. F. Baker & Son will be doubtless continued by the son Frank upon former lines.

CORNING, N. Y.—A. H. Woeppel has replanted a bed of Bride and Bridesmaid, from which there has been hardly a let up in seven years. He remains an advocate of the solid bed principle. W. M.

Primula Chinensis, Cineraria Hybrida.

Strong plants, from flats, $1.50 per 100; out of 2 inch pots, $2.00 per 100. Cash with Order.

H. Stahlhut, New Lots & Shepherd Ave., B'klyn, N. Y.

Mention the Florists' Exchange when writing.

HELIOTROPE

2 inch, $2.00 per 100.

Merry Christmas 'Mums, 2 inch, $2.00 per 100.

Baby Primrose, $1.50 per 100.

Smilax, from flats, $1.00 per 100.

Geraniums, 4 inch, single Gen. Grant, $5.00 per 100.

CASH WITH ORDER.

WM. KEIR, - Pikesville, Md

Mention the Florists' Exchange when writing.

GERANIUM AMERICA

The Queen of all Geraniums; come and see 3000 plants in full bloom. Good, strong stock plants, out of 4 inch pots, $2.50 per doz.; $20.00 per 100.

HENRY EICHHOLZ, Florist, Waynesboro, Pa.

Mention the Florists' Exchange when writing

English Ivy, from 2½ to 3 in. pots, healthy plants 15 inches, and over, long, $5.00 per 100.

Wanted Hydrangea Otaksa

GODFREY ASCHMANN,

1012 Ontario St., Philadelphia, Pa.,

Mention the Florists' Exchange when writing.

STOCK THAT WILL PLEASE

ROSES, Meteor, Bride and Maid, strong, 3½ in. pots, $4.00 per 100.

ASPIDISTRA, Green, $5.00 per 100.
" Variegated, $8.00 per 100.

SMILAX, strong, 2 in., $1.50 per 100.

JERUSALEM CHERRY, 2 in., $1.50 per 100.

FICUS, top cutting, fine, $18.00.

A. C. FEHR, Belleville, Ills.

Mention the Florists' Exchange when writing.

ALTERNANTHERAS

P. Major and A. Nana, 2 in. pots, $1.50 per 100.

COLEUS.

Crimson Verschaffeltii and Golden Queen or Bedder, or mixed, 2 in. pots, $1.50 per 100.

Giant Sweet Alyssum and Variegated Alyssum, 2 inch pots, $1.50 per 100. Cash with order

C. A. HARRIS & CO., Delanson, N. Y.

Mention the Florists' Exchange when writing

60,000 DAHLIAS

For Fall Delivery.

All the best and newer varieties. Stock first-class. Prices right.

A. B. DAVIS & SON, Purcellville, Va.

Mention the Florists' Exchange when writing.

THE MORRIS FLORAL CO.,

WHOLESALE GROWERS OF

Plants and Rooted Cuttings,

MORRIS, ILLINOIS.

Mention the Florists' Exchange when writing.

ASTER PLANTS

Fine, stocky plants from the field.

Ostrich Feathers, Queen of the Market, Semple's, Victoria, Vick's and Truffaut's Perfection, 35c. per 100; 500 for $1.00; $1.75 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

J. E. FELTHOUSEN,

Rooted Cutting Specialist,

SCHENECTADY, N. Y.

Mention the Florists' Exchange when writing.

CINERARIAS We grow an immense quantity of a superb strain; transplanted to flats, $1.50 per 100; 4.0 for $5.00. 2½ in., $2.00 per 100; 300 for $5.00. 3 in., $3.00 per 100; 400 for $10.00.

Chinese Primula, 2½ in., $2.00 per 100; 3 in., $3.00 per 100.

Cyclamen Persicum Giganteum, 2½ in., $4.00 per 100; 3 in., $6.00 per 100.

These are all for Christmas flowering.

WHITTON & SONS, Wholesale Florists,

City and Green Sts., - - UTICA, N. Y.

Mention the Florists' Exchange when writing.

A Few Good Things You Want

KENTIA BELMOREANA and **FORSTERIANA,** 2½ in., 10c.; 3 in., 18c.; 4 in., 35c.; 5 in., 50c. each.

ARECA LUTESCENS, 3 in., 3 plants to pot, 18c.; 4 in., 25c. each. All cool grown, nice clean stock, and cannot be duplicated anywhere for the money.

ROSE BRIDESMAID, 3 in., $5.00 per 100.

SWORD FERN, Nephrolepis Cordata Compacta, 2½ in., $3.00 per 100.

SMILAX, 2 in., $2.00 per 100.

REX BEGONIA, finest varieties, 2½ in., $4.00; 3 in., $6.00 per 100.

GERANIUMS, double and single, Grant, Mme. Brunet, Mrs E. G. Hill, Poitevine, Bonnat and S. A. Nutt, 3 in., $5.00 per 100.

CAMPBELL VIOLET and **VINCA VAR.,** 2½ in., $3.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

ALTERNANTHERA.

Red, per 100, $2.00; per 1000, $18.00.
Yellow, " 1.75; " " 15.00.

	Per 100
Verbenas, Mammoth, 2 in.	$1.00
Rudbeckia, Golden Glow, 2½ in.	2.00
Abutilon, Souv. de Bonn, 3 in.	2.50
Fuchsias, best mixed varieties, 3 in.	3.00
Petunias, Single, 3 in.	3.00
Cigar Plant, 3 in.	2.50
Coleus, Golden Bedder, 2 in.	2.00
Lantanas, Mixed, 3 in.	3.00

Satisfaction Guaranteed. Cash with Order.

GEO. L. MILLER, Newark, Ohio.

Mention the Florists' Exchange when writing

CHRYSANTHEMUMS

5000 Ivory

1000 Mme. F. Bergmann

$3.00 per 100; $25.00 per 1000

Also many other varieties in limited quantity.

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

DO YOU WANT ANY?

Hardy Ivies, 3 feet high, bushy plants, $3.00 per doz.

Chrysanthemums, good stock, from 4 in. and 5 in. pots, $10.00 per 100.

Assorted Geraniums, stock plants, at $10.00 per 100.

Selaginella, strong, 3½ in. pots, at $6.00 per 100.

Assortment Flowering Begonias, from 3 in. pots, at $4.00 per 100.

Geranium Mars, 1 year old plants, 5 in. pots, $3.00 per doz.

The Above is all Good, First-Class Stock.

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

ACALYPHA SANDERI 2½ inch, $3.00 per 100.

CRIMSON RAMBLER ROSES We will have a fine lot of field plants for winter forcing. Orders taken now

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

CHINESE PRIMROSES

50,000 Finest large-flowering fringed, per 1000, $18.00; per 100, $2.00.
Obconica grandi. fimbriata, Rosea and Forbesi, per 100, $2.00.

ASPARAGUS SPRENGERI, $3.00 per 100. PLUMOSUS, $4.00 per 100. | **PANSY SEED** Large Flowering, per ounce, $4.00.

CINERARIA, August 20, $2.00 per 100.

Cash, please. **JOS. H. CUNNINGHAM, Delaware, Ohio**

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS Now is the time to plant them. We offer extra fine vigorous plants, from 2 and 2½ inch pots. Everybody likes them; they are so strong and healthy that they surprise all of our new customers; our old customers, of course, always know what to expect, but even they occasionally tell us that our stock is getting better all the time. Following is a partial list.

EARLY	100	MID-SEASON	100	LATE	100
Ivory	$3 00	Major Bonnaffon	$3 00	Mrs. J. Jones	$4 00
M. Henderson	3 00	Wm. Simpson	3 00	Liberty	4 00
Geo. S. Kalb	3 00	V. Morel	3 00	Merry Xmas	4 00
Merry Monarch	3 00	G. W. Childs	4 00	Autumn Glory	3 00
Willowbrook	4 00	H. W. Longfellow	3 00	E. Dailledouze	4 00
M. de Montmort	3 00	Mrs. Murdoch	3 00	Golden Wedding	4 00
Mrs J. Whilldin	3 00	Mrs. T. L Park	6 00	Nagoya	6 00
John K. Shaw	5 00	Black Hawk	4 00	Xeno	6 00
Golden Trophy	3 00	Mrs. C. H. Pierce	3 00	Harry Baisley	3 00
Glory of the Pacific	3 00	Mrs. H. Robinson	3 00	Adula	3 00
		Niveus	3 00	Mrs. Baer	6 00

In addition to the above we have a large list of new and other standard sorts. Send for complete list.

H. WEBER & SONS, OAKLAND, MD.

Mention the Florists' Exchange when writing.

PLANTS AND ROOTED CUTTINGS

	Per 100
Asparagus—	
Plumosus, 2¼ in.	$5 00
Sprengeri, 2 in.	3.00
" 2¼ in.	4.00
Begonia, Rex, 2¼ in.	4.00
" " 3 in.	6.00
" " 3½ in.	8.00
Baby Primrose, 2¼ in.	4 00
Coleus, "Fancy," 2¼ in.	3 00
Cuphea (Cigar Plant) 3 in.	3.00
Cyperus (Umbrella Palm) 2¼ in.	4.00
Dracæna Ind., 3 in.	8.00
" " 5 in.	25.00
" " 8 in., extra	50.00

	Per 100
Fuchsia, 2¼ in.	$3 00
" 3 in.	4.00
Palm, Washingtonia Filifera, 2¼ in.	4.00
3 in.	6.00
Manraudya, 2¼ in.	2.00
Geraniums—	
Ivy, 3½ in.	4.00
S. A Nutt, Dbl. Grant, La Favorite, Eliza, Gloire de France, etc., 2¼ in.	3.00
Happy Thought, 2¼ in.	4.00
Dbl. New Life, 2¼ in.	6 00
Heliotrope, 2 in.	3 00

	Per 100
Heliotrope, 4 in.	$6.00
Hydrangea, pink and white 2¼ in.	5.00
Impatiens Sultani, 2¼ in.	3.00
Lemon Verbena, 2 in.	3.00
Pansy Plants	1.50
Var. Trailing Abutilon, 2¼ in.	4.00
Violets, Farquhar, 2¼ in.	2.50
" " 3 in.	3 50
Vinca, 2¼ in.	3.00
" 3 in.	5.00
" 4 in.	10.00
" 5 in.	15.00

Rooted Cuttings.

	Per 100
Anthemis Cor., Dbl. Yellow Marguerite	$1 50
Begonia Rex	2.00
Forget-Me-Not, (Winter-flowering)	2 00

	Per 100
Geraniums—	
Sweet, in variety	1.50
Named	1.50
Bronze, Silver Leaf	1.50

	Per 100
Geraniums—	
Happy Thought, Mrs. Pollock	2.00
Vinca, per 1000, $10.00;	1.25
Snow Crest Daisy	2.00

Write us for prices on 1000 lots. Terms, Cash or C. O. D.

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO., LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00.
Payable in advance. The date on the address label indicates when subscription expires.

CHANGES OF ADDRESS.

When notifying the publishers to send the paper to a new address, give both old and new addresses.

BINDERS.

The publishers can supply binders which will hold the papers for one complete volume, keeping them in perfect order for ready reference. Price, postpaid, $1.00.

ADVERTISEMENTS, $1.25 PER INCH.

Special positions extra.
No advertisement less than 75 cents.
Discounts on continuous advertising.
For rates, on Wants, etc., see column for classified advertisements.
Copy must reach this office not later than Thursday in order to secure insertion in issue of the following Saturday.
Orders from unknown parties must be accompanied by cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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PLANTS and FLOWERS.

ALBERT KNAPPER, of Frankford, Philadelphia, sends us some fronds of lace fern and leaves of apple and peppermint-scented geraniums, also an olive branch having green and yellow foliage.

PRIZE COMPETITIONS.

Photographic Contest.—The competition for August has now opened. Full explanatory particulars will be sent on application.

Commercial Home Grounds.—For full particulars of this contest, conditions, etc., see page 500, issue of May 12. The competition in Classes A and B are now open and will close October 31 next.

For shopping purposes New York leads the world. Let your wife, daughter or sweetheart prove the assertion on her visit here next August.

Prize Bedding Competition.

The publishers of the FLORISTS' EXCHANGE herewith extend an opportunity to all originators and makers of flower and foliage bedding designs to prove their skill before their fellow-workers. The season is well advanced, the beds have taken on their designated form and appearance, and now is the time to accurately describe them.

DESIGNS AND PRIZES.

Class A—For the best and most effective **Circular Bed**, planted in a design, with low growing foliage plants only—excepting in the center, where a taller plant may have been used in harmony with the rest.

Prize—A Five Dollar Gold Piece.

Class B—For the best **Carpet Bed**, any size or shape.

Prize—A Five Dollar Gold Piece.

Class C—For the best **Border, Scroll**, or **Ribbon Bed**; dwarf plants only, either flowering, foliage or mixed.

Prize—A Five Dollar Gold Piece.

Class D—For the best **Group of Beds**, any design or pattern, planted for foliage effect.

Prize—A Five Dollar Gold Piece.

Class E—For the best **Mixed Bed or Border**, planted for sub-tropical effect or otherwise.

Prize—A Five Dollar Gold Piece.

CONDITIONS.

This competition is open to all: employers, employees, subscribers, or non-subscribers; it is required, however, that competitors must have actually set out or planned the beds themselves.

The publishers reserve the right to withhold an award in any class unless there are at least three competitors in said class.

Competitors must send to this office a correct drawing to scale of each design submitted, in strong black ink (do not put more than one design on a sheet), together with full descriptions of how the measurements were taken, and the number and variety of plants used in filling them. This office will furnish sectional drawing paper free when requested.

Although not at all essential to winning a prize, we will be glad to receive photographs in addition to diagrams when possible.

Competitors may enter for one or for all five classes.

Diagrams and photos must be fully protected against being cracked or broken in the mails.

This competition is now open and will close Saturday, September 15.

Address all communications,

Publishers FLORISTS' EXCHANGE,

Bedding Competition. P. O. Box 1697, N. Y. CITY.

THE FLORISTS' EXCHANGE DAILY.

DURING S. A. F. CONVENTION.

Availing ourselves of the fact that the Convention this year is to be held in our own home, the publishers of the FLORISTS' EXCHANGE will issue a daily edition of this paper every morning from Tuesday to Friday, August 21 to 24, inclusive. This will be the first daily florists' trade paper to be published, and, while necessarily short-lived, will be none the less remarkable.

As the material contained therein will relate more or less closely to Convention matters and the doings of the delegates, we herewith solicit the good offices of our friends, asking them to keep us informed as to such news of public interest as may come under their notice. Our exhibit in the main hall of the Grand Central Palace will be headquarters, where all news notes, etc., intended for publication, may be left. The advertisement of the Daily will be found in another column.

BOOKS RECEIVED.

CYCLOPEDIA OF AMERICAN HORTICULTURE, second volume, comprising the letters E to M, inclusive. By Professor Bailey and Mr. Wilhelm Miller and others. Publishers, The Macmillan Company, 66 Fifth avenue, New York. Price $5 per volume.

The second volume of this valuable work has now been issued. It consists of 544 pages. Beyond adopting parallel columns for indexing the specific, varietal and synonymous names of large genera described in the book, the style is the same as in the first volume issued a few months ago. There are several lengthy articles of historical interest, particularly that on "Horticulture" by the Editor. In this article, after lamenting the absence of good books on floriculture, an opinion which will certainly not be shared by floriculturists, we are told that "the making of horticultural literature is passing more and more from the working horticulturist to the specially trained student and writers." This doctrine is not borne out by the Cyclopedia itself, for if the contributions by working horticulturists were omitted from the book, it would possess but little value to horticulturists and amateurs. On the other hand, we frequently see the work of trained students and writers, especially in the descriptions of the plants, in many cases, merely perpetuating mistakes in the original descriptions. The article in question cites also, that "American Gardening" passed into the hands of the present owners in 1893, but the then owners ceased to be such in 1898. There are some interesting figures on the plant and cut flower trade of the present day. It is estimated that there are from 9,000 to 10,000 floral establishments in the United States, representing a money value of $23,000,000, and the annual output from these establishments represent a sum of $25,000,000, giving employment to not less than 15,000 people.

A great deal of space is sometimes devoted to describing the species of some genera of little value in the United States, which might be given to others of more importance. Fifty-six species of Gentiana are described, the descriptions occupying several pages, and yet we are told that they do not thrive as well in America as in England.

The articles devoted to showing the horticultural possibilities of the several states and territories might have been of interest to others besides fruit growers had they contained some information concerning the hardiness of certain ornamental trees, shrubs and other plants. The information on this point throughout the work, so far, is very meagre; but will, doubtless, be supplied, as their importance demands, either in supplemental form or otherwise.

However, the second volume still further impresses one with the immensity, as well as the great value of the undertaking to American horticulture. Copies can be supplied through this office at the price named.

Firms Who Are Building.

CATSKILL, N. Y.—Henry Hansen will erect a greenhouse, 14x75 feet.

MYSTIC, Conn.—Horace M. Fitch contemplates adding a greenhouse, 20x40 feet.

NAPANEE, Ont.—George Lloyd intends enlarging his establishment in the near future.

ADAMS, Mass.—Lord & Burnham Co., New York, will build and heat a new greenhouse for T. D. Brown, of this place.

WESTERLY, R. I.—S. J. Reuter is making extensive additions to his already large establishment. Two new houses have already been erected, 200x22 feet, and ground has been broken for a third, which will be similar in size to those just mentioned. Besides these three, Mr. Reuter will erect three others before the cold weather sets in, one 150x20 feet, one 150x14 feet, and a third 100x12 feet. This will make a total of about 135,000 square feet of glass.

CONVENTION NEWS.

Chicago to New York.

The Chicago Florists' Club Committee on Transportation to the New York Convention of the Society of American Florists, to be held August 21, 22, 23 and 24, has arranged with the Lake Shore & Michigan Southern Railway for a special train, which will be vestibuled, and will contain as many Pullman sleepers as may be necessary—a buffet smoking car, a dining car and a day coach.

The running time of this train will be as follows:

Leave Chicago 3 p. m., Sunday, August 19. Arrive Niagara Falls, 7:30 a. m., Monday, August 20. Leave Niagara Falls, 9:30 a. m., Monday, August 20. Leave Buffalo, 10:20 a. m., Monday, August 20. Arrive New York, 9 p. m., Monday, August 20. (Grand Central Station.)

The railroad fare for the round trip will be $26.70 on the certificate plan. The sleeping car fare will be $5 for a double berth to New York. But if sleeper accommodations are desired to Buffalo only, sleeper tickets from Chicago to Buffalo may be had for $3 and the remainder of the distance traveled in the day coach.

At Niagara Falls an hour will be devoted to a trip around the Gorge Route Electric Line, which on the American side runs for miles below the Falls along the rapids, whirlpools, etc. Special trolley cars will await the arrival of our special train. Those not wishing to take the trip through the gorge can devote their time to seeing the Falls in any way they desire.

Returning from New York the members of the party have the option of returning by all rail route, or of taking the boat as far as Albany. And as a daylight ride up the Hudson is an exceedingly enjoyable trip, the majority will no doubt take advantage of it.

The boat leaves New York, foot of Desbrosses street, at 8:40 a. m., daily, reaching Albany at 6:10 p. m. A westbound train leaves Albany at 10 p. m., which arrives at Chicago at 9 p. m., next day. To any preferring the lake trip, Buffalo to Cleveland, the privilege of taking the C. & B. Transit Co.'s boat is afforded.

Berths may be reserved in the special sleepers by addressing L. F. Vosburgh, city passenger and ticket agent, Lake Shore & Michigan Southern Railway, 180 Clark street, Chicago, who will also supply any other information. Railroad tickets and certificates may be had at the above address, or at the Lake Shore Station, Van Buren street.

In reserving berths, be careful to state whether you wish a berth to New York, or to Buffalo only, and mention that you desire to travel in the Florists' Special Train.

By vote of the Chicago Florists' Club, the Committee was instructed to invite all florists in the West to travel with the Chicago party and to share the advantages secured by the Committee. We shall be pleased to have your company on this trip. The New York Convention promises to be a memorable one, and every florist who can possibly do so should go.

Please make your berth reservations as early as possible.

G. L. GRANT, W. N. RUDD, WALTER KREITLING,
Transportation Committee,
Chicago Florists' Club.

Buffalo to New York.

While we are assured of a good delegation from our city to the Convention, it will, from various causes, be unlikely that we shall all travel by one route. The N. Y. C. & H. R. R., the Erie, the Delaware and Lackawana, and the Lehigh Valley roads all have evening trains, which reach New York about 7 a. m., and all give the one-third rate on return, on the certificate plan. The fare-and-a-third on the New York Central is $12.33, on the other roads it is $10.70. Obtain your tickets a few hours in advance, as it takes time for the agent to fill out the certificate.

The Chicago delegation has chartered a special train, and has kindly invited the Buffalo delegates to join them. There will be a day coach attached to the train, which will leave Buffalo at 10 a. m., Monday, August 20, arriving in New York at 9 p. m. Anyone wishing to join the Chicago party will please notify William Scott, Main and Balcom streets, not later than Friday, August 17.

(Signed)
DAN'L B. LONG, WM. SCOTT,
Committee.

An Invitation.

TO THE SOCIETY OF AMERICAN FLORISTS:

We, the florists of Buffalo and vicinity, respectfully invite you to hold your convention of 1901 in the city of Buffalo, N. Y. We have many reasons to advance why you should come to Buffalo next year. A few of the first importance will suffice. It is now eleven years since the convention met here, and believing that we were not altogether unsuccessful in handling the convention, our past experience will help us to make your stay with us pleasant and profitable. We are the most centrally located city in the country, being within one night's ride of forty millions of people. We have no extremes of climate, being ten degrees cooler in summer than even neighboring towns in Western New York. Visitors from all quarters say we have the cleanest and best paved streets and the finest and best equipped street cars on the continent, all of which we modestly admit is true, and add that we have more miles of beautiful residence streets than any city in the world. This grand feature of our city appeals to all lovers of the beautiful in horticulture and is well worthy a visit alone. Our parks and Botanic Gardens are wide in extent, diversified in feature, and splendidly maintained. During the summer of 1901 will be held the Pan-American Exposition. The extent and object of this Exposition is doubtless well-known, but no verbal description can give you any conception of what its beauty will be. Though not aspiring to be a World's Fair in size, yet in actual beauty of the whole, in its landscape features, in its electrical displays, in its immense display of floral wealth, in all the arts and sciences and developments that man has produced as he steps into the twentieth century, this Exposition will eclipse all that the world has so far seen. In novelty of display and amusement, it will surpass even the great World's Fair of Chicago.

It is well known that many of our florists cannot spare more than one week from their business. They must see the Pan-American Exposition and they also want to attend the convention. The entrance to the grounds is but fifteen minutes' street-car ride from the hotel district and convention hall. There will be ample accommodation for all visitors. Contrary to what we hear from across the Atlantic, there is agreement that no charges will be raised for either the luxuries or the necessities of visitors, and railroads will run to Buffalo at reduced rates.

But aside from the Pan-American Exposition, we know that our city is such an ideal summer resort; that the great Niagara is within forty minutes' ride by steam or street-car; we are at the foot of Lake Erie and the rushing, sparkling waters of Niagara River; within a few miles of the broad bosom of Lake Ontario; two hours' ride from Lake Chatauqua, the greatest inland summer resort on the continent. Once more, we have the most salubrious summer climate. For these reasons, because you will enjoy yourself, be cool, contented and happy, and because we want your smiling faces and good will, we ask you to come to Buffalo in 1901.

(Signed) W. F. KASTING, President.
WILLIAM LEGG, Secretary.
WM. SCOTT,
J. F. COWELL,
D. B. LONG,
Committee.

Detroit to New York.

The Detroit Florists' Club will be on hand at the Convention, about 25 strong, and expect to bring home at least two of the cups given as trophies in the bowling contest—that is, if they can bowl good enough. We shall go via M. C. R. R. and New York Central to Albany, thence down the Hudson by daylight, arriving at Desbrosses street, at 6.30 p. m., on August 20, and will stop at the Murray Hill hotel.—R. A. G.

Milwaukee.

It is expected that there will be about seven or eight delegates from here to attend the Convention. A bowling team will also be entered in the tournament.

C. C. P.

CHANGES IN BUSINESS.

NORTH BEVERLY, Mass.—It is rumored that Charles Morrisey and another young man will build a greenhouse and engage in business.

SANDUSKY, O.—The greenhouse and stock of J. C. Gooding, who recently filed a petition in voluntary bankruptcy, has been sold by the trustee. The new purchaser is D. J. Mackey, and he will repair the greenhouses and put them in charge of a first-class florist.

WAVERLY, N. J. — And. Linsenmann has removed to this place from 13th street and Springfield avenue, Newark, N. J. He is building two greenhouses, 100x25 feet, and will grow carnations, chrysanthemums, etc.

St. Louis.

Market News.

There is nothing new in the matter of variety of cut flower receipts, except that hardy hydrangeas are coming in in limited quantities, and, so far, have sold well at 5c. per head. Asters are quite plentiful, and bring only 50c. to $1 per 100. Carnations are in sufficient quantity to supply the demand. Roses are still very poor; none from new crops as yet. There has been considerable funeral work lately. George Waldbart was very busy in this line, also Fred Weber. Miss Teresa also has had her share of funeral work, having executed orders for two 6-foot columns, with a vase on top, within the past few weeks. In fact, Miss Teresa is nearly always busy. She has worked up a fine trade, with funeral work a specialty, in which she does just about the best workmanship of anybody in town.

Building Notes.

Wm. Winters, of Kirkwood, has well under way two 150-foot houses, for carnations. J. W. Dunford, of Central Mo., is nearly doubling his glass, also for carnations. Theo. Klockenkemper has repaired and painted his range, remodeled some of his old houses, and given the place a general overhauling. The result is, he will have everything in first-class shape for the Winter. His stock is looking well. He has a lot of the newer carnations and his output will surely be in demand the coming Winter. Henry Berning has repainted his store. Henry is expecting a fine business this coming Winter.

Outing.

The annual outing of the florists took place on schedule time on the 25th ultimo. It was more in the form of a river excursion this time, and a very pleasant day was spent. A heavy rain the preceding night, and a cloudy morning, no doubt kept many away, but the weather cleared up, and it turned out an ideal day for the event; the grounds were bright and fresh from the recent rain. The spot was very close to Kinswick, where two old florist settlers have places—Messrs. Guy and Wilson. These gentlemen visited the grounds, and seemed to enjoy themselves.

J. Austin Shaw has been in town several days.

C. C. S.

Hotels in New York.

	AMER. PLAN. PER DAY.	EUROPEAN PLAN. PER DAY.	DISTANCE FROM CONVENTION HALL
SAVOY, 59th St. and 5th Ave.		$2.00 up	1 mile.
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ASHLAND, 4th Ave. and 25th St.		1.00 "	¾ "
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CONTINENTAL, B'dway and 20th St.		1 00 "	1⅛ "
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EVERETT, Union Square and 17th St.		1.50 "	1½ "
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PLAZA, Fifth Ave., 58th and 59th Sts.	5.00 up	2.00 "	⅓ "

Visiting members may have rooms reserved at any of the above hotels by applying direct, or through the Chairman of the Hotel Committee, Mr. S. S. Butterfield, P.O. Box 1697, New York, specifying grade of accommodation desired. Most New York hotels are conducted on the European plan.

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(154) **Carnation Growing for Market.**—How many square feet of glass is necessary to start with to grow carnations for the wholesale market?

—We would advise putting up about 10,000 feet the first year, and if the success accruing from that warrants an increase in area, build proportionately the following year.

(155) **Green Fly on Asters.**—We enclose an aster plant. It is infested with insects. Kindly tell us what it is and what will destroy them. They are on the roots of the plant.—M. B.

—When the aster plant arrived here the only insects to be found on it were green fly. These can be kept down either by spraying with tobacco water or by dusting with tobacco powder. If any insects are in the soil, try watering with lime water. Give a dose every three days for a while, and they will probably clear out.

(156) **Rooting Ficus Cuttings.**—I have a fine lot of ficus cuttings on some old stumps that I cut down, and they are now about four inches in length. Would you please inform me the best and surest way to root them?—N. R. G.

—The surest way to root the ficus cuttings at this time will be to moss them. Make an incision about three-quarters of an inch long, going about half way through the wood, insert a little sphagnum moss to keep the cut open, then tie a wad of moss, about as large as a hen's egg, around the cut. Keep this moist at all times, and when the roots show through the moss, cut the rooted portion away and pot.

(157) **Otaheite Orange.**—When is the proper time to propagate Otaheite orange, also temperature and general treatment while in cutting bench? Which cuttings are the best?—SUBSCRIBER.

—Wait until there is a good bottom heat under the propagating bed, which will be after firing has commenced, then take the young half-ripened wood (from any part of the plant will do), leaving two pairs of leaves after the cutting is made. Have a temperature of about 60 degrees, with the bottom heat 10 degrees higher; shade from the sun, and keep the sand just moist enough to prevent the foliage from wilting without having it too wet.

(158) **Insects and their Eggs in Carnation Houses.**—What is the best way to kill insects and their eggs in carnation houses before the young stock is planted. I have been troubled very much with red spider, and would like to know of some way to destroy their eggs.—W. B.

—To clean the carnation houses thoroughly, wash all the woodwork and repaint it if necessary. Clean away every particle of rubbish or dirt, both on the benches and the floor space underneath. Then give the benches a good painting with whitewash, made from newly slacked lime, and sprinkle dry lime underneath the benches. In whitewashing the benches, be sure to fill every crevice in the woodwork with the liquid, and if any eggs are there, they will never hatch out.

(159) **Hybridizing Gladiolus.**—I have a gladiolus which I do not know the name of. It is of sturdy growth—sometimes over five feet high. The florets are opposite on the spike, of good size, and pink in color, with purple and flake markings; but the plant never produces seed. I would like to cross this gladiolus on Lemoine hybrid, in order to have the tall straight spikes with the orchid-like coloring of the Lemoine hybrid; also cross it on Gladiolus Childsii. Please give details of the operation.—A SUBSCRIBER.

—Each flower of gladiolus has three stamens (male organs). The anther or pollen-bearing part of the stamen is about half an inch in length; they are attached by their filaments to the base of the perianth tube. The central part of the flower is occupied by the pistil, (female organ) which consists of, beginning at the base, first, the ovary, then the long style, at the end of which is the stigma. This is divided three times, and is the part which receives the pollen grains. The flowers, which are intended as seed bearers, should have the three anthers removed just as soon as they can be got at conveniently, so as to make certain that the seed-bearing flowers will not be fertilized by pollen from the flowers of the same raceme. After the stamens are removed, cover the flowers with very fine gauze, so as to exclude insects and humming birds, which in their search after nectar are almost certain to deposit pollen from other flowers on the stigmas, and so lessen the chances of cross-fertilization, as planned by the operator. When the perianth is expanded the stigma will be in a fit condition for the reception of the pollen. To perform the operation of pollination easily, with a pair of forceps take a stamen from a flower of what is to be the male parent, but only when the pollen is in a good condition, which it usually is about 11 o'clock on the morning of a sunny day, and rub the pollen on to the stigma of the emasculated flower. A very little will suffice. After this cover with gauze as before.—G. W. O.



Flowers of W. A. Manda's New Rose, Pink Pearl.

(160) **Building a Boiler Room.**—Which is the best way, and the kind of masonry work to be done to build a boiler-room perfectly waterproof. Size 8 feet by 20 feet and 8 feet deep. What kind of cement should be used? How has the mortar to be mixed? Is brick work or concreted walls preferable?—SUBSCRIBER.

—Concrete will give the best satisfaction, at least up to a height where the surface water can be taken care of. Use Portland cement and mix with one part of cement to five of coarse gravel. If broken stone, or cobble stones the size of hens' eggs, can be readily obtained, the proportion may be one of cement to three of stones and four of gravel. Thoroughly mix them before adding the water, which should be only sufficient to moisten the mass. The thickness of the wall will depend upon the weight of the building to be placed upon it, but if 12 inches thick it will probably be ample. To form a mould for the grout, a wall of plank should be put up. This should be firmly braced on the inside, to permit of the grout being thoroughly compacted. To lessen the danger of the water working through the wall, it will be well to have plank enough to make this box or mould at least four feet high, and care should be taken to have it so made that it can be readily taken out after the cement has hardened. The mould should be filled with grout in thin layers, which should be well pounded, so as to form a compact mass. For the bottom of the cellar a layer five inches thick will suffice. After two or three days the planks can be taken down, and the inside of the cellar should then receive a putty coat one-half inch thick, composed of one part of cement to two parts of sifted sand. This should be well mixed and made into a paste with water. If exposed to the sun, the cement should be occasionally wet down, to prevent too rapid setting. A wall made in this way will be water tight, and it will not crack unless exposed to severe changes in temperature. If desired, the upper portion of the wall may be built of hard burned brick, with a half-inch of cement inside.—L. R. T.

(161) **Heating.**—Will a two-inch steam main, well protected, running 225 feet before dropping to the circulation pipes, be of sufficient size to feed 1,700 feet of 1¼-inch pipe at low pressure, houses being 90 feet in length.—SUBSCRIBER.

—With 1,700 feet of 1¼-inch pipe there will be nearly 750 square feet of radiation, which is much more than should be carried from a two-inch pipe with low pressure, even though it is closely connected, but a 2½-inch main will answer very well.—L. R. T.

I have two houses, one 100 feet long and 16 feet wide, 9 feet to ridge, 2½ front wall and 5 feet north wall, no glass gable and all wood walls; also a house 100 feet long by 21 feet wide, 12 feet to ridge, 5 feet north wall, 3 feet front wall, no glass in walls, and one glass gable. The thermometer sometimes goes down to 26-30 degrees below zero, but as a general rule, 15 degrees below would be a fair average night temperature in Winter. Am going to use hot water under pressure, and 2-inch flows, with 1¼-inch or 1½-inch returns. I want to heat both houses for a general assortment of bedding plants, but the smaller house might be a little cooler than the other. Will Mr. Taft please advise through "Question Box" how he would pipe these houses and what size heater to use.—L. P. B.

—The boiler should be one that can handle 2,000 feet of radiation, and it will require three 2-inch flows and nine 1½-inch returns in each house. This should give 60 degrees in one house and 50 in the other. The flow pipes should be run downhill, with one on the purlin posts, if it is a three-quarter span house, or on the center posts if even span, and the other on the plates. Three of the runs can be on the side walls, or under the side benches, and the others under the middle bench. Another arrangement would be to use two 2½-inch flows and 10 1½-inch returns in each house, the flows and returns to be upon the side walls if the walks are outside the benches; or the returns may be under the side benches.—T.

Having a greenhouse, 100 feet in length, with only 60 feet piped, and wishing to pipe the remainder, I desire to find out whether my idea as here stated would work. The house is heated by a No. 4 Boynton hot water heater and is piped in this manner: The flow starts in four 1½-inch pipes, making two pipes for each side of house. These leaders at the end of about three feet enter a header having five 1½-inch pipes connected, and run the entire length—(60 feet.) The returns are the same in size and number. Now would it be practicable to take the flows (1½-inch) to splice out the returns and use one 3 or 3½-inch pipe on a side for flows?

—As now piped, there seem to be ten pipes on each side of the house, five being flows and five being returns. According to the proposed plan there will be a 3 or 3½-inch flow and five 1½-inch returns on each side of the house. The plan proposed would give a good circulation, although it would be better to have the returns connect with the boiler by means of a 2½-inch pipe, or by two 2-inch, rather than the two 1½-inch as now arranged. Without knowing the width of the house and the amount of glass it contains, it is not possible to estimate the temperature that can be maintained. Two 3-inch flow pipes are more than will be needed to supply 10 1½-inch returns, and two 2½-inch flows and 12 1½-inch returns will be all that will be required in a house 20 feet wide, for a temperature of 60 degrees in zero weather. For 20 below zero a temperature of 60 degrees in a house 20 feet wide will require three 2½-inch pipes and 14 1½-inch returns. The two 3-inch pipes and 10 1½-inch returns would probably maintain a temperature of about 50 degrees in a 20-foot house without glass in the side walls, in Central Vermont.—L. R. T.

Rose Pink Pearl.

Our illustration shows a bunch of flowers cut from the original plant of the charming new variety, Pink Pearl, raised by W. A. Manda, South Orange, N. J. Pink Pearl is the result of a cross between Rose Wichuraiana and Meteor, the latter variety being the pollen parent. The individual flowers are very double and are of heavy substance, ranging from 2½ inches to 3 inches in size. The coloring is of a pleasing delicate pink shade, the centre petals being slightly deeper than those on the outer edge. The wood is short-jointed and the foliage very dark and leathery, being almost proof against mildew.

For out-door work this variety is a gem, requiring no protection whatever through the Winter, nor any special preparation of the soil to grow it in. It has not been fairly tried as a pot plant, but the indications are it will make a desirable variety for forcing into bloom for Easter.

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60 CTS. PER 100 LBS.
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Fine or Coarse to Your Order.
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110 WEST STREET, NEW YORK CITY.
Mention this paper.

Central Park (N. Y.) Greenhouses.

Although midsummer is not the best time of the year for paying a visit to conservatories, the elegant structures that are located near 106th street are now in such excellent order that a visit to them at this particular period well repays any lover of plants. In the show houses there are many fine specimens to be seen, chief of which are noble plants of Pandanus utilis, Areca lutescens and livistona, the latter having just lately produced twenty fine bunches of seeds. There is also an extra large plant of seaforthia that has both clusters of flowers and seeds hanging from the trunk, just beneath the lowest set of leaves.

Commercial growers of palms rarely grow these a long enough time to have them bloom and produce their seed, and there is no doubt, that a majority of growers for the trade are unfamiliar with the graceful drooping flowers of the seaforthia, and to such we can say that it is worth a trip to Central Park to see this cluster of blossoms alone. There is also a fruit scape hanging from one of the big bananas as that will be of interest to many for the next few weeks.

An arch, composed of ferns chiefly, is formed over one of the conservatory doors leading to the court-yard, and it is a very creditable piece of work.

In one of the houses clerodendrons, aristolochias and ipomæas are trained ing already in bloom. One of the Ipomæas (I. Horsfallae) is of a beautiful up the rafters, some of the plants bepink color and seems of very free flowering habit. A plant of the Barbadoes cherry (Malpighia augustifolia) is at present in full flower, as is also some of the strelitzia regina, or Bird of Paradise flower.

The house containing the adiantums and the fancy caladiums is especially interesting. The caladiums are extremely well colored and many fine varieties are to be seen among them.

One of the conservatories which at present is empty, will, in the course of the next fourteen days be filled with annuals in blossom, all pot grown. Thousands of asters, stocks, companulas, antirrhinums, etc., will be used and the effect should be very brilliant.

On the lawns between the park entrance and the range of conservatories many flower beds are planted and are beginning to put on their Summer beauty. The canna, President McKinley, is proving a feature as a dwarf red, and F. Neuversal, a dark foliaged orange-flowered variety, is also very fine.

In closing, we cannot refrain from saying that the Superintendent, N. J. Morse, Foreman Frank Hamilton and the men under them deserve a word of praise for the work accomplished in such a short time. The houses were hardly finished when frost appeared last Fall and the grounds where is located the lawns and flower beds were not graded even at that time.

The old range of propagating houses is being town down and all traces of them will be removed within a few days.

Some New Geraniums.

Some of our progressive florists are wise enough to see great possibilities ahead for new and improved varieties of the geranium. Say what they may about its being "common," it occupies an important place in the floral world to-day, and as soon as the great merits of the newer varieties are fully understood, it will become vastly more popular than it has ever been before. It is the best all-around plant we have for everybody's use.

Last Winter C. W. Ward, of the Cottage Gardens, Queens, N. Y., sent me a lot of young plants, asking me to give them a trial. I have done so. Many of these have come into bloom the present season. They have surprised me with their many excellent qualities. Finer flowers I have never seen among geraniums than I have had on my plants. Some of them are of enormous size. It sounds like exaggeration to speak of flowers two inches and a half across, but several of the varieties average this and some flowers have been larger than this. The shape of the flower is also remarkable. Instead of three petals of good size and substance, with two narrower ones, such as the best of our geraniums have heretofore produced, these have petals so wide that they overlap each other, thus giving us a perfectly round flower, with not a break in it. And the colors! No words can do justice to them. There are scarlets of the most intense tone, deep crimsons, pure pinks, rich rosy salmons, and some with lower petals of most dazzling vermillion, the upper petals heavily washed with white. One pink sort has its lower petals thickly freckled with red, more after the fashion of a tiger lily than any geranium I have ever seen. Some of the deep, velvety scarlets have a veining of mahogany in the upper part of the flower, and several have an eye of pure white, contrasting charmingly with the body color of the blossom. There are several sorts in which pink, carmine and violet are combined with pure white in such a manner as to give us most beautifully variegated flowers. These new varieties are truly wonderful.—EBEN E. REXFORD, in *The Farmers' Review*.

Varieties and Descriptions.

Hall Caine is a rosy scarlet, of immense size. Its individual flowers are an inch and a half across, by careful measurement, and the petals are so wide that they overlap each other, thus making a circular flower.

Lord Kitchener is a dark crimson with white eye, a superb flower in all respects.

Chauser is of soft salmon-rose, quite as large as Hall Caine, and equal to it in form and habit. I am not sure but this is my favorite. It is certainly a magnificent specimen of the geranium family, and must create a furore as soon as it comes into general cultivation.

Mark Twain is something like the well-known Souvenir de Mirande, being rosy-salmon and white, but it is in every way a much finer flower than the old sort named. It is one of the finest "fancy" geraniums I have ever seen, but Dryden is more magnificent, because of its richer coloring. Its salmon shades into softest vermillion-rose, against which the pure white on each petal shows with vivid effect. Both these varieties are large and of superb form.

Crabbe is much like Hall Caine in all but color, which is a soft, rosy scarlet, very light in tone.

Gertrude Pearson is the most perfect pink geranium I have ever seen. We have had several quite similar in color, but never any with such broad, overlapping petals. Its pure white eye makes it a most attractive flower.

Dorothy Burroughs is an exquisite sort, of palest apple-blossom pink, marked with white.

Pierre le Brun is of vivid carmine rose, washed with soft pink at base of petals

Ian Maclaren is a rich, soft salmon. The noted divine ought to be proud of so charming a namesake.

Chateaubriand is a deep scarlet, of great size and perfect form.

J. P. Cleary is of intense vermillion, its upper petals veined with mahogany. Its rich, intense color dazzles the eye like a flame.

I wish those who call the geranium a "common" flower could see my collection. It would be a revelation to them.

EBEN E. REXFORD.

BRIEFS FOR BUSY FLORISTS.

CARNATIONS.—The transferring of the plants to the greenhouse bench from the field should be commenced during the coming week. Those that were put out in the field early, have made an excellent growth this season, and, these will, if placed on the benches now, produce much finer flowers than if left to get well budded in the field before being brought in. When planting on the benches, see that every plant is perfectly free from decayed leaves; that is, leaves that are turning white or are curled up in any way. By removing all such before planting a vast number of insects, or their larvæ, will be kept out of the greenhouse and thereby save much trouble later. Plant firmly, but do not bury the plants. Try to have them about the same depth as they were in the field. Shade them for four or five days after planting, giving an occasional light syringing overhead at intervals through the day, should the weather be very warm. Keep the greenhouse temperature as near like the outside conditions as possible, by having the ventilators open both night and day. Moisten the paths and underneath the benches once or twice a day, but avoid overwatering the plants. After the first watering they will need very little, until they have taken good hold of the soil.

CALLAS that have been resting outdoors through the summer should now be shaken out of the soil and re-potted. A five-inch pot will be large enough to use for them, and the soil can hardly be made too rich, though the manure used must be well rotted. New bulbs are arriving now, and they should be potted as soon as received. After the operation is completed, they can be put either outdoors or under a bench in the greenhouse. If the former, a shaded position should be given them.

CYCLAMENS are claiming lots of attention just now, and it will not do to neglect them at all. In giving them the last potting, add about one-fifth good compost to the leaf soil, and be sure to provide good drainage. While taking care of the cyclamens, do not overlook the fact that this is the time to sow the seed for next year's stock. Procure the best seed possible, and sow in pans or flats, using pure leaf soil and sand.

GERANIUMS.—A crop of cuttings taken now will strike readily (providing the soft growths are not taken) and as so many of these are always needed, it is well to start stocking up as soon as the cuttings are fit to take. Prepare a good batch now, and another can be taken later.



New Conservatories in Central Park, New York.

[By permission of Lord & Burnham Co., New York, Designers and Builders].

Bicentenary Celebration of the Sweet Pea.

In the year 1699, Cupani, who had in 1695 discovered the purple Sicilian sweet pea, sent seed of the same to Dr. Uvedale, Enfield, England. In the following years these seeds were sown by the worthy doctor, who was so much struck by the beauty of the flowers produced that he called the attention of his numerous botanical friends to them, and in this way the sweet pea was introduced into Great Britain.

So widespread an interest is now taken by the British public in the sweet pea, and so much truly remarkable work has been done by Eckford and others in its development, that it occurred to some of our more enterprising workers in the domain of horticulture that a special effort should be made to celebrate the bi-centenary in an appropriate manner. An exhibition at the Crystal Palace and a conference for the reading and discussion of papers bearing on the subject, together with the indispensable banquet, were the proposals put forward, and the scheme at once obtained hearty and generous support, not only from the British people, but from America, France and Germany.

The subscription list assured the promoters of the financial safety of the undertaking, and a very liberal prize list, quite international in its composition, was the guarantee of spirited competition and, if nature lent her aid, a magnificent display. In the exhibition which has just been opened the most sanguine expectations of the promoters have been more than realized and the full success of the scheme assured. The sun shone its brightest and gave the devotees of the sweet pea such a warm welcome as they are not likely to forget. The Crystal Palace is an ideal spot for such an exhibition, and as the exhibits of competitors are largely supplemented by the displays of all the most prominent members of the trade, an immense, grand and beautiful display is the result.

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...Wholesale Prices of Cut Flowers...

	Names and Varieties	New York Aug. 3, 1900	Boston Aug. 2, 1900	Philadelphia July 26, 1900	Baltimore July 31, 1900	Buffalo Aug. 1, 1900
Roses	A. BEAUTY, fancy—special	10.00 to 30.00	12 50 to 20.00	.... to 25.00	.... to	20.00 to 30.00
	" extra	8.00 to 10.00	6 00 to 10.00	15 00 to 20.00	.... to	25.00 to 20.00
	" No. 1	3.00 to 5.00	2.00 to 4.00	1.50 to 12.00	8.00 to 10.0	12.00 to 15.00
	" Culls & ordinary	.50 to 3.00	.50 to 2.00	.75 to 5.00	3.00 to 6.00	.... to ....
	Bride, 'Maid, fancy—spc'l	3.00 to 4.00	3.00 to 4.00	2.00 to 5.00	.... to	2.00 to 6.00
	" extra	2.00 to 3.00	1.00 to 2.00	2.00 to 5.00	2.00 to 4.00	2.00 to 6.00
	" No. 1	1.00 to 2.00	.... to	.... to	2.00 to 4.00	.... to ....
	" No. 2	.50 to 1.00	.... to	.... to	.... to	.... to ....
	K. A. Victoria	3.00 to 10.00	2.00 to 5.00	2.00 to 6.00	2.00 to 5.00	3.00 to 6.00
	La France	1 00 to 3.00	.... to	3.00 to 5.00	2.00 to 4.00	.... to ....
	Meteor	1.00 to 4.00	.... to	2.00 to 5.00	2.00 to 4.00	2.00 to 6.00
	Papa Gontier	.... to	.... to	.... to	.... to	.... to ....
	Perle	1.00 to 2.00	1.00 to 4.00	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00
	Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
	ORCHIDS—Cattleyas	25.00 to 35.00	.... to	35.00 to 50.00	.... to	.... to ....
	Cypripedium	.... to	.... to	.... to 15.00	.... to	.... to ....
	Dendrobium formoesum	.... to	.... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	.50 to .75	.40 to .50	.... to .5	.50 to .60	.... to ....
	STANDARD VARIETIES White	.50 to .75	.40 to .50	.75 to 1.00	.75 to 1.00	.75 to 1.50
	STANDARD VARIETIES Pink	.50 to .75	.40 to .50	.75 to 1.00	.75 to 1.00	.75 to 1.50
	STANDARD VARIETIES Red	.50 to .75	.40 to .5	.75 to 1.00	.75 to 1.00	.75 to 1.50
	STANDARD VARIETIES Yel.&Var	.50 to .75	.40 to .50	.75 to 1.0	.... to	.... to ....
	*FANCY— White	1.00 to 1.25	.... to .75	1.00 to 1.5	1.25 to 2.00	1.50 to 2.00
	*FANCY— Pink (*The highest grades of standard var)	1.00 to 1.25	.... to .75	1.00 to 1.5	1.25 to 2.00	1.50 to 2.00
	*FANCY— Red	1.00 to 1.25	.... to .75	1.00 to 1.50	1.25 to 2.00	1.50 to 2.00
	*FANCY— Yel.&Var	1.00 to 1.25	.... to .75	1.00 to 1.5	.... to	.... to ....
	NOVELTIES	1.00 to 1.25	.... to 1.00	1.00 to 2.00	.... to	.... to ....
	ADIANTUM	.... to .50	.... to .5	.75 to 1.00	.... to 1.00	.75 to 1.00
	ASPARAGUS	35.00 to 40.00	.... to 50.00	35.00 to 50.00	25.00 to 75 00	50.00 to 60.00
	ASTERS	.30 to .50	.25 to .50	.75 to 1.50	.50 to 1.00	.50 to 1.00
	CALLAS	.... to	.... to	.... to	.... to	.... to ....
	DAISIES	.... to	.... to	.... to	.... to	.... to ....
	GLADIOLUS	1.00 to 1.50	.... to	2.00 to 5.00	.... to 3.00	2.00 to 3.00
	IRIS	.... to	.... to	.... to	.... to	.... to ....
	LILIES	2.00 to 4.00	2.00 to 3.00	2.00 to 6.00	.... to	4.00 to 6.00
	LILY OF THE VALLEY	1.50 to 2.5	.... to	3.00 to 4.00	.... to	3.00 to 4.00
	MIGNONETTE—ordinary	.25 to 1.00	.75 to 1.00	.... to	.... to	.... to ....
	" fancy	.... to	.... to	.... to	.... to	.... to ....
	PÆONIES	.... to	.... to	.... to	.... to	.... to ....
	SMILAX	8.00 to 10.00	10.00 to 12.5	10.00 to 15.00	12.00 to 20.00	10.00 to 15.00
	SWEET PEAS	.10 to .25	.05 to .15	.15 to .30	.... to	.25 to .40
	TUBEROSES	.... to	.... to	.... to	.... to	.... to ....

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

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...Wholesale Prices of Cut Flowers...

	Names and Varieties	Chicago Aug. 1, '00	St. Louis July 30, '00	Cincinnati July 30, '00	Milwaukee July 28, '00	Pittsburg July 28, '00	Toronto Aug. 1, '00
Roses	A. BEAUTY, fancy—special	18.00—20.00	....—	....—	20.00—25.00	20.00—25.00	....— ....
	" extra	12.00—15.00	....—	....—	10.00—12.50	15.00—18.00	....—20.00
	" No. 1	6.00— 8.00	....—	....—	8.00— 8.00	8.00—12.00	....—10.00
	" Culls & ordinary	2.00— 5.00	....—	....—	4.00— 5.00	2.00— 5.00	....— ....
	Bride, Maid, fancy-spec'l	....—	2.00— 4.0	3.00— 4.00	4.00— 8.00	....—	....— ....
	" extra	3.00— 4.00	2.00— 4.00	3.00— 4.00	4.00— 8.00	2.00— 6.00	1.00— 6.00
	" No. 1	1.00— 2.00	....—	....—	....—	2.00— 6.00	1.00— 6.00
	" No. 2	....—	....—	....—	....—	2.00— 4.00	1.00— 4.00
	K. A. Victoria	2.00— 5.00	....—	....—	4.00— 6.00	2.00— 8.00	....— ....
	La France	4.00— 5.00	....—	....—	....—	2.00— 4.00	....— ....
	Meteor	1.00— 4.00	2.00— 4.00	2.00— 4.00	4.00— 6.00	2.00— 6.00	1.00— 6.00
	Papa Gontier	....—	....—	....—	....—	....—	....— ....
	Perle	1.00— 3.00	....— 2.00	3.00— 4.00	3.00— 4.00	2.00— 4.00	1.00— 3.00
	Souv. de Wootton	....—	....—	....—	....—	....—	1.00— 6.00
	ORCHIDS—Cattleyas	....—	....—	....—	....—	....—	....— ....
	Cypripediums	....—	....—	....—	....—	....—	....— ....
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	Inf'r grades, all colors	.40— .50	.75— 1.00	....— .50	.50— 1.00	.50— .75	....— .50
	STANDARD VARIETIES White	.75— 1.00	1.25— 1.5	1.00— 1.50	.50— 1.00	.75— 1.00	....— 1.25
	STANDARD VARIETIES Pink	.75— 1.00	1.25— 1.5	....— 1.00	.50— 1.00	.75— 1.00	....— 1.25
	STANDARD VARIETIES Red	.75— 1.50	1.25— 1.50	.50— .75	.50— 1.00	.75— 1.0	....— 1.25
	STANDARD VARIETIES Yel.&Var.	.75— 1.50	1.25— 1.50	....—	.50— 1.00	.75— 1.00	....— 1.25
	*FANCY— White	....—	....—	....—	....— 2.00	1.00— 1.50	....— ....
	*FANCY— Pink	....—	....—	....—	....— 2.00	1.00— 1.50	....— ....
	*FANCY— Red	....—	....—	....—	....— 2.00	1.00— 1.50	....— ....
	*FANCY— Yel.&Var.	....—	....—	....—	....— 2.00	1.00— 1.50	....— ....
	(*The highest grades of standard var)						
	NOVELTIES	....—	....—	....—	....— 2.0	....—	....— ....
	ADIANTUM	.50— .75	....—	....— 1.00	....— 1.00	.75— 1.00	....— .50
	ASPARAGUS	30.00—40.00	....—	....—	....—80.00	....—	20.00—50.00
	ASTERS	....— 1.50	.75— 2.00	1.50— 2.00	.50— 1.00	.50— 3.00	.50— 2.00
	CALLAS	....—	....—	....—	....—	....—	....— ....
	DAISIES	.10— .20	....—	....—	....— .50	....—	....— ....
	GLADIOLUS	2.00— 4.00	3.00— 4.00	3.00— 5.00	2.00— 3.00	2.00— 4.00	1.50— 4.00
	IRIS	....—	....—	....—	....—	....—	....— ....
	LILIES	6.00—10.00	....—	10.00—12.50	....— 5.00	....—	5.00— 7.00
	LILY OF THE VALLEY	4.00— 5.00	....—	4.00— 5.00	....—	2.00— 3.00	....— ....
	MIGNONETTE—ordinary	....—	....—	....—	....—	....—	....— ....
	" fancy	....—	....—	....—	....—	....—	....— ....
	PÆONIES	....—	....—	....—	....—	....—	....— ....
	SMILAX	8.00—10.00	....—12.50	....—15.00	....—15.00	10.00—12.50	....— ....
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WHOLESALE FLORIST,
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When you find a good commission house, one that tries to do right, stick to it, and do not lose confidence in it if it happens to make you a poor sale once in a while, for I can tell you that there is no commission house in existence that can so regulate the markets as always to make good sales. We always strike days in every season when the market is overloaded, and those are the days when we commission merchants work the hardest and get the least praise, or rather, get the most curses, and it is not an uncommon thing for us to get letters telling us what poor sales we made on goods (which we very well knew before being told) and threatening to ship no more goods, but to ship to some house that will give an honest sale. Now, this is very consoling after you have got up in the morning before daylight, worked hard and in all ways you could think of to dispose of your shipments to very best advantage. But we get used to all such letters, or, I suppose we get hard-hearted, and are not troubled so much by such letters as you might think we would be, for it is often the case that shippers who have left us once return to us after a few days of wandering, and when they do come back, they make the best shippers, and men whom we can depend upon for regular shipments, thereafter.—Exchange.

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Wholesale & Retail Cut Flowers
CARNATIONS A SPECIALTY.
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One Dollar Fifty per 1000
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Strong seedlings from flats, 25c. per 100, $2 per 1000.
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25,000 SMILAX That will grow and make strings this fall From 2 inch pots, $1.50 per 100; $13.00 per 1000. From flats, by mail, 50c. per 100; $4.00 per 1000 Send for samples.
CASH WITH ORDER.
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From 3 in. pots, $2.00 per 100.
Asparagus Tenuissimus Nanus, from 2 in. pots, $4.00 per 100; from 3 in. pots, $5.00 per 100.
Russellia Multiflora, from 3 in. pots, 60 cts. per doz.
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700 SMILAX, 2½ in., $2.00 per 100

'MUMS Clark, Morel, Adams, Whilldin, Lincoln, Jones, Nivens, Lager, Reiman, Gasteller, Wanamaker, Mutual Friend, Dawn, Tuxedo, Pres. Smith, Woodford, Invincible, Maud Dean, The Harriot, Wedding, G. Pitcher, Queen, Dorner, Merry Monarch, Yellow Monarch and Yanoma, 2½ inch $2.00 per 100. Cash with order.
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2 inch, strong plants, $1.25 per 100; $10.00 per 1000.
COLEUS, R. C., 75 cents per 100; $5.00 per 1000, prepaid.
C. HUMFELD, Verbena King. Clay Center, Kan.
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30,000 SMILAX Nice, thrifty, 2 in., per 100, $1.25; per 1000, $10.00.
Primula Forbesi (Baby Primrose), extra fine plants from 3 in. pots, ready for 4s and 5s, only $5.00 per 100.
Primula Obconica Grandiflora, 2 in., $2.50 per 100.
Primula Obconica Grandiflora Rosea, 2 in., $2.50 per 100.
Cyperus Alterulfollus, 3 in., fine, 5 to 8 stems, $5.00 per 100. Cash with order, please.
GEO. J. HUGHES, Berlin, N. J.
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Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.
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Wholesale Carnation Grower.

Sta. F., CINCINNATI, O.
Mention the Florists' Exchange when writing.

Chicago.

Season Conditions and State of Trade.

We have now reached August, and have had no droughts to check growth in any manner whatever. Lawns are as green as in springtime; all kinds of shrubs and plants are still doing their very best. The truckman is having great crops, but plenty of weeds.

Very hot spells have been of short duration.

Carnations can be housed at any time now with large enough growths to suit all but those of the old school, who think they need large plants, and will house just before Fall. The tendency, however, is toward early lifting, and this season, so far, suits this operation to a dot. Such crops as sweet peas, grown out of doors, without artificial watering, have never stopped growing or flowering, late sowings coming along equally well. These flowers are much in evidence, and the season is going to be a long one.

Long-stemmed asters are now very plentiful, of the three principal colors—pink, purple, but largely white. They sell by the tens of thousands, ranging in price from 40c. to $1.50 per 100. Will this hold out, with the East flooding us, as well as home supplies? Roses and carnations seem to get cleaned off well enough to content the big growers.

The street man now buys adiantum ferns that are cheap, and arranges them around bunches of sweet peas. There is a tendency among these people now to "bunch" their flowers, going back to the old bouquet style again.

Many Still Summering.

C. L. Washburn and family returned Monday from outing near Muskegon, Mich. L. G. Greszens and wife have left for Paw Paw Lake. About August 15 Mrs. Horton will leave for the Colorado Mountains. E. E. Piesor, of the Kennicott Bros. Co., left Thursday on the steamer Manitau, for Mackinac. His itinerary will finally land him in New York in time for the Convention. G. H. Piesor will be one of the contingent going with us, Sam Piesor now breaking in as a bookkeeper the while. Larry Kelly is back again with the same firm. A. L. Vaughan, who has been summering beside the St. Joe River, is in the city, but will leave for the East about August 15. J. A. Budlong, the almost sixty-year old cyclist, is contemplating a trip to New York awheel. C. C. Cropp, of Vaughan's seed store, and family are at the Dells of Wisconsin. Mr. Vaughan takes short trips across the lakes.

Jottings.

Fred Benthey is enjoying, with the boys, to-day (July 30), his 21st birthday. He is looking for a bid for his first vote. Vote right my boy. On this depends four more years of good business.

Out on the Klehm farm they have an acre of valley pips, planted this Spring, 20 inches apart between the rows and two inches in the rows. The pips stand three years before being ready to force. The business of growing their own valley pips is a well-established feature with this firm.

George Reinberg has purchased of his neighbor, Peter Schaffer, his six greenhouses, heretofore in carnations. George will wreck the houses, using the glass, etc., another year.

H. N. Bruns is still growing valley, as the market seems to demand.

W. S. Heffron on August 1, entered as manager of the cut flower department of McKellar & Winterson, to relieve Mr. Winterson and give him more time to devote to the general business of the firm.

Visitors.

Harry Balsley, Detroit; M. Bloy, Denver.

Among Growers.

Wietor Bros.' immense place is in fine shape. The early planted roses are now giving crops. The six new rose houses were finished and planted six weeks ago. Half of the new range of carnation houses, all 33x330 feet, is completed and ready for planting; the other half being well on the way. This is a noble group of houses, having iron posts and gutters. Every available foot of room is used, and it will take alone 80,000 plants to fill them. With the old carnation range in addition, the firm expects to house 125,000 plants. There are three separate fields planted, with upwards of 200,000 plants to select from; two of the fields are in high, rather sandy ground, which this year's seasonable rains just suit. The plants are sturdy, large enough to house already, and cannot well be beat. Among them are 15,000 of the pink sport of Armazindy, that are likely to make their mark next Winter. Another field is on lower ground, and has been almost too well supplied with rain. The plants here are later, but are now doing finely. Quite a batch was planted direct from the cutting bed, and appear to have done best. The kinds mostly consist of the one mentioned and Triumph, Crane, America, Flora Hill, White Cloud, The Marquis, and Lawson. The range of new carnation houses will be like all the others, heated with hot water; two new 60-foot smoke stacks are built six feet outside, four feet inside.

Ess.

Buffalo.

Business Notes.

Some of the stores refer to a fair run recently in funeral flowers; others pronounce trade dull, with emphasis. The weather continues agreeable, as a rule, and no excessive heat. Flowers in the classes offered reach around for all demands.

Jottings.

At his home place, at Cold Springs, Mr. Scott is active in rebuilding two of his large show houses in an improved manner—butted glass, of course. A bench of Liliums, roseum and candidum look fine.

Local interest in both the S. A. F. meeting and Pan-American matters, prospective, is at strong tide with many of us. The exposition grounds are daily showing better outlines, and it seems beyond question that Landscape Architect Ulrich is going to get some strongly designed effects finished up before next Summer. Several acres, at least, closely filled and planted are now given over to young growths in a great variety of herbaceous and semi-hardy stock in houses, frames and garden beds.

We were quite surprised to see Michael Bloy on Tuesday, he having relinquished his position with the Park Floral Co., at Denver: on account of ill health.

It looks a bit as though the projected picnic may not come off.

VIDI.

The band wagon for the Trade Exhibit is almost filled. Hurry up if you want a seat there.

FRUIT AND FLOWER PLATES

Seed Packets and Supplies of all kinds for NURSERYMEN, FLORISTS and SEEDSMEN
SEND FOR PRICE LIST.
Stock Cuts, 10c. per square inch. Engraving by all processes. Printing and lithographing.
Illustrated Catalogues a Specialty.
VREDENBURG & CO., - Rochester, N. Y.
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30 VERY **FINE PLATE BOOKS**
—FOR SALE—
Leather bound; nearly new; some never having been used. 125 plates in each—Roses and Ornamentals exclusively.
$1.50 each.
Address V. N., care Florists' Exchange.
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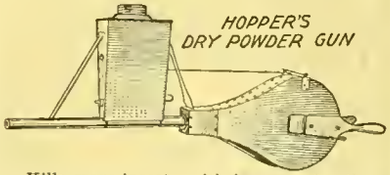
Hopper's Dry Powder Gun



Kills more insects with less powder than any duster on the market. Will throw powder under the leaf. Just the thing for treating Mildew. Weighs 4 lbs. Agents wanted. Circular free. Will forward Gun on trial to responsible parties.
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COMBINING the qualities of an absolute insect exterminator with those of a vigorous fertilizer. Recommended and in use by the foremost florists and nurserymen in the land. For Sale at the Seed Stores.
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Steam and Hot Water **HEATING**

Perfectly installed by
H. W. GIBBONS, 136 Liberty St., New York.
CATALOGUES 4 CENTS.
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See the Point
The Von Reyper Perfect Glazing Points are the best. No rights or lefts. Box of 1000 points 75 cents, postpaid.
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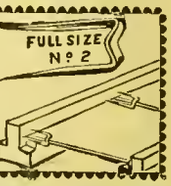
FULL SIZE No 2



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BORDEAUX NOZZLE
used on "World's Best" Spraying Outfits. Cut shows our patent KEROSENE SPRAYER Knapsack Makes Emulsion while Pumping.
MADE ONLY BY
THE DEMING CO., SALEM, OHIO.
Twelve varieties of Sprayers. PUMPS OF ALL KINDS. Write us or our Western Agents, Henion & Hubbell, Chicago, Ill.
Catalogue and Formulas Mailed FREE.



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Vapor Insecticide
POWDER.
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ALL GREENHOUSE BUGS.
SOLD BY SEEDSMEN.
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Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

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YOU SHOULD KNOW WHAT NOTED GROWERS SAY
Imperial Liquid Plant Food DOES.
Incodorous, not expensive. Full information, booklets, prices on request. Leading Eastern Dealers handle it. Eastern Chemical Co., Mfrs., 620 Atlantic Avenue, Boston, Mass.

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HEADQUARTERS FOR
COCOA FIBRE, SHEEP MANURE, BONE, all grades, IMPORTED SOOT, CLAY'S FERTILIZER, SPHAGNUM and GREEN MOSS, RUSTIC WORK, all kinds.
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GEORGE RIPPERGER,
SHEEP MANURE
I have now on hand a large quantity of AI SHEEP MANURE.
Send for PRICE LIST and SAMPLE.
Best Fertilizer for Top Dressing.
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SHEEP MANURE
Cleaned and Prepared Expressly for Florists' Use.
You will find it the genuine article. For reference as to its being first-class, I refer you to Henry F. Michell, 1018 Market Street, Philadelphia, Pa. Trial bags of 150 lbs., $2.50; per ton, $25.00. One quarter ton at ton rate. CASH WITH ORDER.
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ROSE STAKES
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For Florist, Store and Greenhouse; Wire Frames, Cape Flowers, Cycas Leaves and Wreaths, Metal Designs, Wheat Sheaves, Etc. Also Seeds and Bulbs. Send for latest lists to
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Telephone, 1747 A, Madison Square.
108 West 28th St., Near 6th Avenue, New York City.

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Boston.

Trade Items.

There is nothing new here in regard to business. The market is getting thinned out a little on carnations, but asters will more than replace them for some time to come. The latter, which are already overplentiful, bring from 20c., for the smaller ones, to 50c. per 100 for the choicer kinds. Roses are still plentiful enough, with Kaiserin and Carnot the only good ones. Sweet peas continue of pretty fair quality, and are in sufficient supply.

Deep expressions of sympathy have been heard on all sides here for Edwin Lonsdale, in the great loss he has sustained through the death of his two daughters by drowning at Ocean City, notice of which appeared in the morning papers Wednesday last.

W. H. Knapp, of Newtonville, started Thursday on a two weeks' vacation, which he will spend in New Hampshire, at the White Mountains.

Michael J. Barrett, with Galvin at the conservatories, is recuperating at Nantucket, whither he has gone with his family for a few weeks.

John Walsh has returned to his post at the Flower Market, after having spent a pleasant vacation at Yarmouth, N. S.

Al. Hutson, W. H. Elliott's salesman, is on his vacation in Ohio, and that vicinity.

Wm. Hannon's Sons are building two new 120-foot houses, at their Dorchester establishment.

Exhibition of Mass. Hort. Society.

Last Saturday prizes were offered for perennial phloxes and antirrhinums, but on account of the long drought, which affects both these plants, there was no exhibit of the latter for prizes, and the displays of the former were smaller than would otherwise have been the case. Rea Bros. and W. J. Clemson had the premium-taking collections of these flowers. N. T. Kidder showed for the first time a plant of Hæmanthus Catherinn, a native of South Africa, with showy spikes of scarlet flowers. W. J. Clemson made a nice display, including a catasetum, growing on a block, bougainvilleas, tritonias, and allamandas. Mrs. J. B. Lawrence showed a few antirrhinums, also dianthus, dahlias, zinnias, candytuft, mignonette and sweet peas. Mrs. S. F. A. Jefferds sent in a fine plant of Nephrolepis exaltata bostoniensis, and Mrs. E. M. Gill, E. C. Lewis and Mrs. G. Duncan, hardy herbaceous plants.

F. J. N.

Denver.

Trade Notes.

Trade is inclined to be quiet, with now and then a little funeral work to help clean up. Good stock is getting very scarce, especially roses; but with outdoor flowers, such as gladiolus, dahlias, sweet peas, etc., we won't run short for awhile yet. One of the leading stores put in a window of sunflowers during the past week and it caught the eye of a "passer-by." After asking the price of them, she said that she had a small ranch of 40 acres covered with them, that he might have if he went out to cut them, as she didn't want them to go to seed.

Several of the firms are building and rebuilding, and when all is finished Denver will be equipped with some fine looking places.

Michael Bloy, for several months foreman for the Park Floral Co., has gone back to Buffalo. His place has been taken by Ben Boldt, of the same town.

DENVER.

Ottawa.

We are having the best kind of growing weather, and crops are looking fine, carnations especially.

Trade is quiet, so there will be no excuse for giving the two conventions the go-by. Most of us will be going to Montreal, but hardly to New York. From all accounts there will be quite a crowd at Montreal.

Sweet peas and asters are now in good shape. Next week the Horticultural Society holds its sweet pea exhibition, and as there are a lot of sweet pea enthusiasts around us, we generally have a good show.

The ents of bowling trophies for the New York Convention make an old bowler's fingers twitch. These prizes alone are enough to bring a crowd to the Convention.

E.



I. D. CRAWFORD, PROP'R.

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WESTMINSTER HOTEL
Irving Place and 16th Street,
One block East of Union Square. NEW YORK.
SPECIAL RATES:
European Plan, $1.00 per Day and Upwards.
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Car Direct to GRAND CENTRAL PALACE, 12 minutes.

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Horticultural illustrating in all known processes. Catalogue Cover Designs, etc

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To String your Smilax, when you use the
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You can regulate it. Send for list of testimonials. Pat. allowed Feb. 25, 1900.
No. 1, $5.00; No. 2, $10; No. 3, $20.
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A New Catalogue entitled
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Sample, 40c. in stamps. Circular Free.
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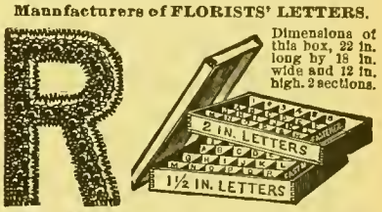

Dimensions of this box, 22 in. long by 18 in. wide and 12 in. high. 2 sections.
This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1½ or 2 inch size, per 100, $2.00.
Script Letters, $4.00.
Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.
N. F. McCARTHY, Treas. & Manager,
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Wire Rose Stakes
Straight or Looped and Pointed
—ALSO—
The Model Extension Carnation Support.

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Very respectfully,
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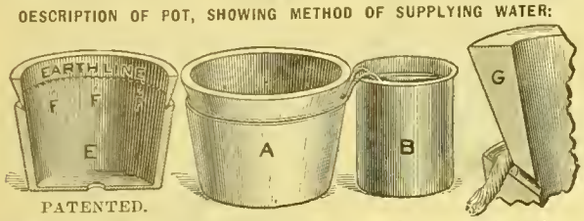

PATENTED.

A, indicates the pot; B, a reservoir for water; E, section of pot, showing earth line and perforations or water passages F F F below. G, full size section, showing groove, with cord siphon. Several pots may be arranged around one reservoir, each connected therewith by a cord, through or over which the water is conducted by capillary attraction.

Price, boxed, F.O.B., Pot and Siphon Cord Complete, 50 cts each; $5.00 per dozen.
Indorsed by leading florists and the trade generally. Send for full descriptive circular.

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RED STANDARD POTS

Correct Size. Superior Quality.

Write for Price List.

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GLASS

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	Price per crate		Price per crate
1500 2 in. pots in crate,	$4 88	120 7 in. pots in crate,	$4 20
1500 2¼ " "	5.25	60 8 " "	3.00
1500 2½ " "	6.00	48 9 " "	3.60
1000 3 " "	5 00	48 10 " "	4.80
800 3½ " "	5 80	24 11 " "	3 60
500 4 " "	4.50	24 12 " "	4.80
320 5 " "	4.51	12 14 " "	4 80
144 6 " "	316	6 16 " "	4 50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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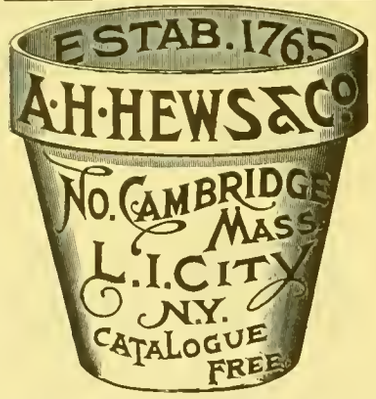

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Baltimore.

Cut Flower Market.

Alex. Scott, the manager of the Florists' Exchange, finds the demand for flowers quite brisk, rather exceeding the supply; although stock seems to be coming in a little better since the last rains. Carnations lead and bring from 60c. to $2. Weber's Genevieve Lord is among the few extra varieties which command the highest price. Outside carnations bring 75c. Roses are scarce. The first Summer Kaiserin are coming in. For outdoor roses white and pink Cochet have become the standards. Weber sends in some very fair Perle and Kaiserin. Asters sell for 50c. to $1. Achillea, the Pearl, Lilium lancifolium and rudbeckias are regular sellers, but go cheap. Sweet peas are over. Greens are plentiful. Halliday Bros. have been cutting asters for six weeks and more. They grow Michell's Queen of the Market and Truffaut's Paeony-flowered.

Real Estate Transfers.

Edwin A. Seidewitz has purchased the "Walnut Hill" property in Arlington County, of 18 acres, with a fine dwelling house, for $7,650. Ground is being broken for four new greenhouses, each 100 feet in length, one for decorative plants, one for general forcing and Easter plants, one for carnations and another for violets. Seidewitz intends to devote the whole of his Annapolis place to cut flower culture and to gradually transfer the plant business entirely to Arlington. His cyclamen seed and seedling business is developing very favorably.

Henry Ekas has sold to Henry Fisher five acres of ground on Sinclaire avenue for $5,000.

Changes in Business.

P. Weidman, formerly head gardener to Alex. Brown, Esq., is going to build a dwelling house on his place at Bohntton P. O., near Gwynn Oak, and to establish himself as a commercial florist. Some time ago he bought this place, which contains 16½ acres of excellent land. Weidman is a very skillful cultivator; he has the best wishes of the craft for continued success.

Random Notes.

Paul Bender, gardener to H. A. Parr, Esq., has a fine lot of chrysanthemum seedlings coming on, and a few pretty orchids in bloom.

Hugo Walter, of Park Heights avenue, decidedly one of the most careful market growers, finds antirrhinum very profitable to handle. He grows them in pots and gives them the space vacated by the early chrysanthemums. He sows in shallow flats in Spring, and allows the plants to stay in them for two or three months, potting off what he wants successively. The first batch is being potted into 2½-inch pots for bloom in January and February. His specialty is geraniums for Easter. He propagates in Winter, and keeps the rooted cuttings in thumb pots through the Summer. They are then twice shifted until they get four-inch pots. He realizes 25c. a piece for them in the market, and for years never has had a plant left unsold. The excellent quality of his geraninms has never been attained by any other florist about here. A little corner of swainsona pays him well. Callas are cultivated two years in the same pot. Mr. Walter finds they bloom earlier and more profusely the second year; but towards the last the flowers get small. Carnations in the field look splendid here. Dry weather never hurts them if you keep the surface carefully stirred up. A crimson sport of Jubilee is being tested. The plant kept absolutely clean, while the type was badly affected with rust. Mr. Snyder succeeds Ph. Weidman as head gardener to Alex. Brown, Esq.

Club Meeting.

There was a small attendance at the last meeting. A large and enthusiastic crowd will go to the Convention. The bowling team is confident of scoring high.

T. E.

Worcester, Mass.

The weekly show of the Horticultural Society was mostly given up to a display of native flowers. There were six exhibitors, the largest display having 124 varieties. There were exhibits of cultivated flowers, in which F. A. Blake, Mrs. A. A. Hixon, H. F. Littlefield, Mrs. W. A. Fobes and Mrs. H. A. Jones took a prominent part. The last mentioned exhibitor attended the Hampden County Horticultural Society's annual sweet pea show, held in Springfield, July 24, where she won thirteen first premiums and three seconds.

J.

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Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.

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3 ft. 3 in. x 6 ft.,	4	" 8 in.	"
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Not glazed, 1¾ in. thick.

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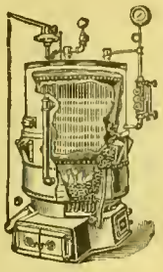

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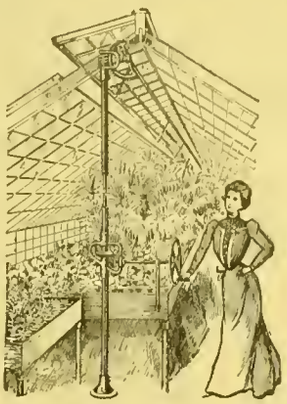

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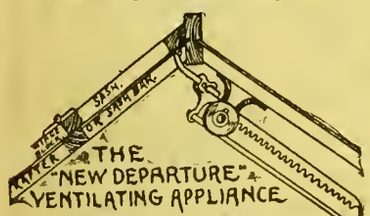

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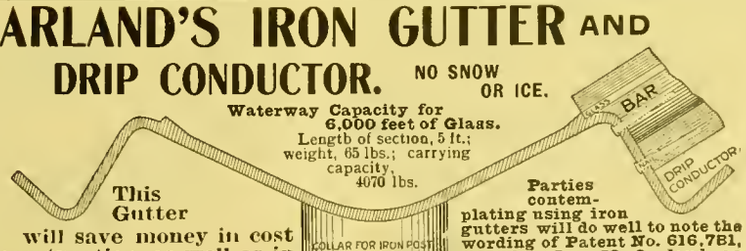

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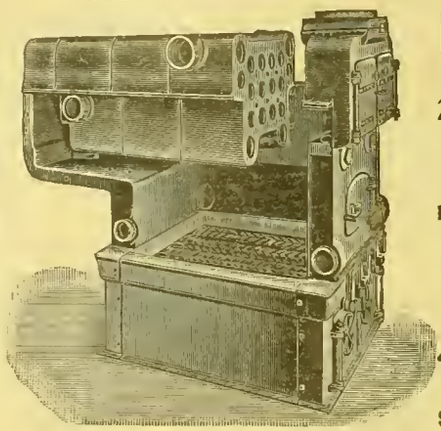

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We have a fine stock of all the leading varieties—first-class, A No. 1 plants—which we can offer as follows:

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Bride, Bridesmaid, Perle, Meteor, La France, Bon Silene, Papa Gontier, $8.00 per 100.

Souv. de Wootton, Golden Gate, Kaiserin Augusta Victoria, Pres. Carnot, Sunset, $10.00 per 100.

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Cut Strings, 10 Feet Long, 50 cts.

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		Per 1000	Per 100
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" "	" 11-12 "	12.00	1.50
" "	" 13-15 "	20.00	2.50
NARCISSUS TRUMPET MAJOR, fine for forcing early,		12.00	1.50

FREESIA REFRACTA ALBA, 1st size, $5.00 per 1000; extra size, $7.00 per 1000; monsters, $8.00 per 1000.

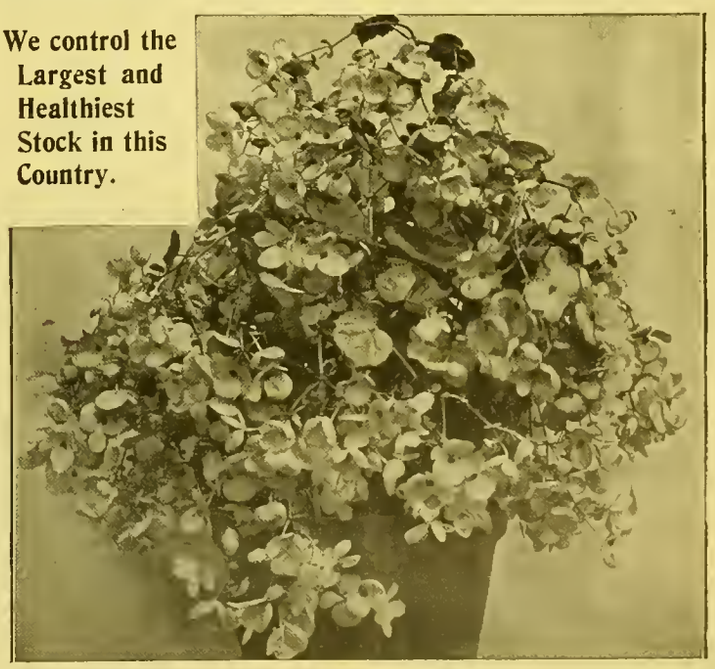
All the Above are now Ready for Delivery.

CLUCAS & BODDINGTON CO., 342 W. 14th St., N.Y.City. Telephone, 461 18th.

Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS.

BEGONIA GLOIRE DE LORRAINE

We control the Largest and Healthiest Stock in this Country.



Fine, strong, 2¼ plants, for Aug. 15 to Oct. 1st delivery, $17.50 a 100; $175 a 1000

THE COTTAGE GARDENS, Queens, N.Y.



IN A QUANDARY

Where and how to get healthy bulbs. Let us help you out by offering you our guaranteed stock at the following prices, and which is ready for delivery:

LILIUM HARRISII, St. David's Island Brand, 5–7 inch, $42.00; 7–9 inch, $90.00 per 1000.

FREESIA REFRACTA ALBA, Pure white, mammoth bulbs. $9.00 per 1000.

CALLA BULBS, California grown, 1½–2 in. diameter. $7.50 per 100.

ROMAN HYACINTHS, 4–5 inch, $12.00 per 1000; 5–6 inch, $16.00 per 1000.

If you have not received our Trade List of Bulbs, drop us a card and we will mail it.

WM. ELLIOTT & SONS, 54-56 Dey Street, NEW YORK.

Mention the Florists' Exchange when writing



PANSY SEED

S. & W. Co.'s Non Plus Ultra.

The richest mixture ever sent out, and containing the **Blotched** and **Giant** varieties in greatest proportion; very effective. Per packet 1000 seeds, 25 cts.; per ⅛ ounce, 75 cts.; per ounce, $4.50.

Superb Mixture of the **Odier, Cassier** and **Bugnot Strains**, unsurpassed. Per 1000 seeds, 50 cts.; per ⅛ ounce, $1.00; per ounce, $6.00.

Trimardeau or **Giant Pansies.** Beautiful class of vigorous, compact growth, flowers of an enormous size. Per pkt., 25 cts.; per ⅛ ounce, 50 cts.; per ounce, $3.50.

For varieties in separate colors, also quotations on Dutch, French or Bermuda Bulbs, send for our 1900 Bulb Catalogue.

MIGNONETTE, ALLEN'S DEFIANCE 1-16 ounce, about 1500 seeds, 40c; ¼ ounce, $1.00; 1 ounce, $4.00.

CANDYTUFT, GIANT FLOWERING EMPRESS Per ounce, 25c.; per pound, $2.50.

STUMPP & WALTER CO., 50 BARCLAY STREET, New York.

Mention the Florists' Exchange when writing.

ESTABLISHED 1802

THORBURN'S SEEDS

We have still left some fresh seeds of the following PALMS in fine condition:

KENTIA FORSTERIANA

per 1000, $4.00; 500 to 1000, $3.50; 10,000 and over, $3.00.

—ALSO—

CYCAS REVOLUTA STEMS in assorted sizes, 3 ft. to 12 ft., $5 per 100 lbs., while unsold.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Mention the Florists' Exchange when writing.

Dracæna Indivisa 2 in. pots, per 100, $3.00; 1000, $25.00. **Hollyhock,** Double Royal, white, trd. pkt., 25c.; oz., $1.00; fine mixed, pkt., 20c.; oz., 75c. **Carnation,** hardy double Grenadin, trd. pkt., 25c; oz., $1.50; Early Double, white, hardy, trd. pkt., 25c; oz. $2.00. **Wall Flower,** double brown flower, trd. pkt., 50c. **Bellis Perennis,** Longfellow Daisy, double red, trd. pkt., 25c.; oz., $1.75; double white, trd. pkt., 25c; double mixed, trd. pkt., 10c.; oz., $1.00. **Myosotis,** dwarf Victoria, blue, extra trd. pkt., 25c.; oz., $2.00. **Sweet William,** dwarf, mixed, trd. pkt., 10c.; oz., 75c. **Scotch Pink** double, mixed, trd. pkt., 20c. N. B.—All these seeds are of 1900's crop, guaranteed to give satisfaction, or no pay. Sample free.

BEAULIEU, Walker and Belmont Aves., **Woodhaven, N. Y. City**

Mention the Florists' Exchange when writing.

GERANIUM SEEDS

GOOD VENTURE MIXTURES.

25 New Large Flowering Varieties, Superb Mixed, 50c. per trade packet; $6.00 per oz. **Large Flowering, Splendid** mixed, 25c. per packet; $2.50 per oz.

Good Mixed, 75c. per oz.; $8.00 per lb.

Souv. de Mirande, $2.00 per 1000 seeds.

Separate Colors, mixed, $2.00 per 1000 seeds.

SEND FOR TRADE LIST.

MRS. THEODOSIA B. SHEPHERD,

Venturn-by-the-Sea, Calif.

Mention the Florists' Exchange when writing.

NOW IS THE TIME TO BUY

SMILAX SEED

NEW CROP.

25c. per oz.; $3.00 per lb.

EVERY SEED WILL GROW

HENRY F. MICHELL

1018 Market St., Phila.

WHOLESALE PRICE LIST OF SEEDS, BULBS &c. ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS.

Mention the Florists' Exchange when writing.

FINEST STOCK. FAIREST PRICES. FULL SIZE AND COUNT.

READY.

ROMAN HYACINTHS.

	100	1000	Case 200
Early white, 12 to 15 cm	$1.75	$16.00	$30.00
Early white, 13 to 15 cm	2.25	20.00	

PAPER WHITE, TRUE GRANDIFL.

Large.....100, $1.00; 1000, $8.00; case 1100, $10.50
XXX size.....100, $1.25; 1000, $10.00

LIL. CANDIDUM (St. Joseph's Lily)
Extra healthy quality.....100, $1.50; 1000, $10.00

LIL. HARRISII 6 to 7 cm., very fine healthy stock, 100, $5.00; 1000, $45.00.

FREESIAS True White, guaranteed, per 1000; first size, $3.00; extra size, $5.00; monsters, $7.00. White, yellow throat, first size, $2.00; extra size, $3.50; monsters, $5.00.

25 Bulbs at 100 rate; 250 at 1000 rate. 5 PER CENT. DISCOUNT FOR CASH.

FRESH ASPARAGUS SPRENGERI SEED, Just arrived, New Crop. 5.c per 100; $1.00 per 1000.

FRESH CROP 1900 KENTIA SEED.

Arrived in **FINEST POSSIBLE** condition **EVERY SEED** a plant. Sample dozen, 10 cents; 100 seeds, postpaid, 75 cents; 1000 seeds, $3.75 net; 5-10,000, $35.00.

PANSY SEED Giant Exhibition Strain, in separate colors or mixed, 1000 seeds 25c.; 5000 seeds, $1.00. **Trimardeau, Bugnot, Odier, Cassier,** separate or mixed, 1000 seeds, 25c.; 1 oz., $4.00.

CALLA ETHIOPICA BULBS Ready August 20th.

Send for Our Trade List of All BULBS, SEEDS AND PLANTS. A Postal will Bring It. Address

H. H. BERGER & CO. (ESTABLISHED 1878), **47 Barclay Street, New York.**

Mention the Florists' Exchange when writing

SEEDS Selected Stocks for Present Sowing and Planting.

Turnips, Cucumbers, Melons

Special Prices to Dealers.

WEEBER & DON, SEED MERCHANTS AND GROWERS,

114 Chambers St., NEW YORK.

Mention the Florists' Exchange when writing.

COX SEED CO.

Wholesale Seedsmen

14 & 16 Ninth Ave., NEW YORK. **411, 413, 415 Sansome St., SAN FRANCISCO.**

Mention the Florists' Exchange when writing.

CALIFORNIA-GROWN BULBS

Send for our Special Trade List. Address

California Nursery Company, Niles, Calif.

Mention the Florists' Exchange when writing.

CALLA BULBS

8 inch circumference.....per 100, $8.00
6 " " .....per 100, 6.00
4 " " .....per 100, 4.00

Sets, 25 cts.; 100 by mail 10 cts. extra.

Cash with Order.

J. BOLL, Jamaica, N. Y.

Mention the Florists' Exchange when writing.

FREESIA BULBS

¼ to ⅝ inch diameter	$0 50 per 1000
⅝ to ½ inch diameter	1 25 per 1000
½ to ¾ inch diameter	3 50 per 1000

The smaller bulbs will prove as satisfactory as the larger if planted early. Bulbs ready for immediate delivery.

JOHNSON & MUSSER SEED CO., Los Angeles, Calif.

Mention the Florists' Exchange when writing.

CALIFORNIA CALLA LILY SETS Healthy, strong sets 1 to 1½ inches in length, suitable for bench growing, $3.00 per 1000, delivered free to any part of the U. S.

CALIFORNIA SAVED PALM AND OTHER SEEDS FRESH ON HAND.

	Per 100	1000	5000
Phœnix canariensis		$0.50	$2.00
" reclinata	$0 25	2 00	6.75
Brahea Edulis (Erythea edulis)	50	4.00	
" Glauca (" a. mata)	per pound, 75 cts.		
Chamærops Excelsa	per pound, 40 cts.		

Corcopsis Lanceolata.....per pound, $1.25
Smilax.....per pound, $1.75; five pounds at $1.50
Australian Salt Bush (Atriplex semibaccatum), per pound, 75c.; 50 lb. lots, 60c.; 100 lb lots or over, 50c.
Yellow Globe Danver's Onion, per pound, 50c.; per 100 lbs., $45.00.

GERMAIN SEED AND PLANT CO., Los Angeles, Cal.

Mention the Florists' Exchange when writing.

PANSY

SEED, New Crop. Holmes' Capitol Strain. The best produced in the world.

Per oz., $8.00; ¼ oz., $1.00; trade pkt., 50c.

Mammoth Mixture, oz., $3.50; ¼ oz., 50c.; trade pkt., 25c.

SMILAX SEED New crop, 20c. per oz.; $2.75 per lb.

PRIMULA European Prize Strain, largest flowers, trade pkt., 350 seeds, 50c.

Glazing Points (Van Reyper's), per 1000, 60c.

Mastica, for glazing, gallon, $1.25; 5 gallons, $6.75.

Putty Bulbs, 35c.

We carry a full line of **Flower Seeds, Bulbs, etc.** Send list for quotations of anything needed.

H. L. HOLMES, Seedsman, HARRISBURG, PA.

Mention the Florists' Exchange when writing.

Special Consignment Sale

L. HARRISII

5–7, fine heal hy-looking bulbs, per 100, $35.00. Not less than original packages of 400 bulbs at this price.

NET, SPOT CASH.

HULSEBOSCH BROS., Englewood, N. J.

Mention the Florists' Exchange when writing.



Mention the Florists' Exchange when writing

IMPORTANT

Before ordering any goods anywhere send in **your list of wants** for lowest **GUARANTEED** prices.

F. W. O. SCHMITZ, Jersey City, N. J.

Mention the Florists' Exchange when writing.

ZIRNGIEBEL

GIANT MARKET and **FANCY PANSIES** are the Leading Strains to date for size and color.

Trade packages of either strain at **one dollar each.** Full directions with every order; new crop of seed after July 1st.

DENYS ZIRNGIEBEL, Needham, Mass.

Mention the Florists' Exchange when writing.

VAUTIER'S

MAMMOTH PANSY

New crop seed now ready. This is the largest and finest Pansy ever offered. We have testimonials from florists from all parts of the U. S praising its size and merits. Trade packet, $1.00; oz., $4.00.

H. G. FAUST, 61 and 66 N. Front St., **Philadelphia, Pa.**

Mention the Florists' Exchange when writing.

XXX PANSY SEED

If you want the finest large and fragrant Pansy flowers, try **Woodbury's Noted Seeds.**

SEVEN PKTS. (700 seeds), FINE ASSORTED, 50c.

Finest German and Giant Flowered French strains, blended or either separate, 2000 seeds, **50c.**; ¼ oz., **$1.00**; oz., **$4.00.** List free.

DAVID B. WOODBURY, South Paris, Maine

Pansy Specialist.

Mention the Florists' Exchange when writing.

SEED!=PANSIES=SEED!

Roemer's Superb Prize Pansies.

Improved strain, new crop ready now. (My own growing.) This new mixture is saved from the very finest selected plants from all leading novelties of art colors, without doubt the finest strain in the market to-day.

Mixed, per pkt. of 3000 seeds, $1; ¼ oz., $1.50; ½ oz., $2.50; 1 oz., $5.00. Cash with order.

PETER BROWN, Lancaster, Pa.

Grower of extra fine Pansies.

Plants Ready September 15th.

Mention the Florists' Exchange when writing.

Johnson & Stokes' Giant Kingly Pansies We have searched the world to get this strain up to its present standard of perfection, and it is now pronounced by our customers as unrivalled in size, substance of flower and richness of color. Trade pkt., 50c.; ¼ oz., $1 25; oz., $5.00.

FRESH SMILAX SEED, per oz., 25c.; per lb., $2.50. **ALLEGHENY DOUBLE FRINGED HOLLYHOCK**, our Florscroft Strain, trade pkt., 25c.; ¼ oz. pkt., 50c; per oz., $1.50. **CINERARIA**, James' Giant Strain, per pkt., 25c.; ½ trade pkt., 60c; trade pkt., $1.00. **CALCEOLARIA**, James' Giant Strain, per pkt., 25c.; trade pkt., 60c. We are ready to book orders for **White Romans, Freesias, Callas, Paper White Narcissus, Etc.**

JOHNSON & STOKES, Seedsmen, 217 & 219 Market St., PHILA., PA.

Mention the Florists' Exchange when writing.



Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Cincinnati, O., President; F. W. BOLGIANO, First Vice-President; S. G. COURTEEN, Milwaukee, Wis., Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

Nashville, Tenn.—The American Plant and Seed Company has been incorporated. The incorporators are Gilbert Marshall, J. R. Atkinson, R. A. Adcock, Robert Caruthers and Ford McNeal. The capital stock is $30,000, and the purpose of the incorporators is to grow flower and garden seed.

Valparaiso, Ind.—The Northern Indiana Seed Company, of Valparaiso, capital stock $2,000, has been incorporated. The directors are E. E. Shedd, Ella B. Shedd and Harold J. Schenk.

Springfield, Mo.—The Springfield Seed Company has been incorporated. R. R. Ricketts, C. H. Walker and W. H. Stevens are the directors of the new corporation. The capital stock is $1,200. The corporation is formed for the purpose of buying and selling, at wholesale and retail, field, garden and all kinds of seed, and the business, which has been conducted for years without incorporation, will be increased.

Resolutions on Death of Mr. Breck.—At a meeting of the seed trade of Boston, held at the office of W. W. Rawson & Co., to take action on the death of Charles H. B. Breck, president of the Joseph Breck & Sons' Corporation, there were present Messrs. W. W. Rawson, Thomas J. Grey, A. F. Barney, of Schlegel & Fottler; Oscar H. Dodds, of T. W. Emerson Company; N. W. Hills, of C. H. Stone & Co.; W. W. Simonds, of Hovey & Co., and John K. L. M. Farquhar. The following resolutions were adopted:

Resolved, That, whereas death has in the fulness of time terminated the long and useful career of our esteemed and venerated associate, Charles H. B. Breck, the seed trade of Boston deplores his loss; and

Resolved, That the sympathy of the trade is hereby extended to his bereaved family.

The seed houses were represented at the funeral, at Mount Auburn, on Saturday afternoon, by the following-named representatives:

W. W. Rawson & Co., by H. W. Rawson and H. E. Fisk; Thomas W. Emerson Company, by O. H. Dodds; Schlegel & Fottler, by A. F. Barney and J. M. Gleason; Thomas J. Grey & Co., by Thomas J. Grey; Hovey & Co., by W. W. Simonds; Charles H. Stone & Co., by F. W. Stone; R. & J. Farquhar & Co., by John K. L. M. Farquhar.

CHANGES IN BUSINESS.

SPRINGFIELD, OHIO.—The McGregor Brothers Co., has been incorporated. Capital $50,000. Incorporators: F. McGregor, D. McGregor, H. McGregor, R. McGregor, and A. McGregor.

NASHVILLE, TENN.—Joy and Son Co. has been incorporated. Capital $18,000. Incorporators: T. C. Joy, P. L. Shaw, C. B. Harrison, D. P. Wrenne, all of Nashville.

PEORIA, ILL.—J. C. Murray has removed his downtown store from 401 to 403 Main street.

Philadelphia.

Club Meeting.

The August meeting, held Tuesday last, was fairly well attended, though, no doubt, the extreme warm weather kept many away. In the absence of Edwin Lonsdale, Geo. C. Watson acted as secretary pro tem. Three new members were elected and one proposed.

The chief event of the evening was the essay of H. C. Geiger, on "Cooling Rooms for Florists' Use." The paper was very lengthy, and will be given in full in our next issue. Mr. Geiger handled this subject in a masterful manner, having gone to considerable trouble to obtain details, and received a hearty vote of thanks for his paper. At the September meeting the subject will be, "A Review of the S. A. F. Convention of 1900."

The Transportation Committee recommended to the club that the members leave for New York on Monday, August 20, at 4:02 p. m., by Pennsylvania R. R., Broad street. This was adopted. The railroad will give all accommodation required, and if sufficient numbers warrant, a special train will be provided, otherwise special cars will be attached to the regular train. Members are requested to send word to John Westcott, Ridge and Lehigh avenues, if they intend to go by this train. No doubt many will go on Tuesday morning, but in the case of those who take ladies along, it is much more desirable to go Monday afternoon, and thus get hotel accommodation, and be settled before the Convention opens.

On Monday, August 20, the Philadelphia Club will hold "Open House," in the club rooms, Horticultural Hall, Broad street above Spruce, to entertain members of the trade and their friends, from other cities, en route to New York, who may stop off in this city. At present it appears that the delegations from Pittsburg and Baltimore will be here. A reception committee, with Robert Craig as chairman, has been appointed to take care of visitors while in this city. Those who may read this would do well to send word to Mr. Craig, 49th and Market streets, of time of arrival, etc., so that provision may be made to take care of them.

For the benefit of local members, it may be stated the lowest railroad fare to New York is by certificate plan. Pay full fare going, $2.50, and get a certificate with your ticket; then you pay one-third fare returning, 84c., on presenting certificate. Total both ways, $3.34, thus saving 64c.

The following resolution was unanimously adopted by a rising vote of the club:

That the secretary send a letter to Mr. Edwin Lonsdale and convey to him the feeling of heartfelt sympathy, which animates every member of the club, in the sad bereavement which he has sustained in the loss of his two daughters. The circumstances attending this sad affair were so particularly distressing, the young ladies were so often with us in our hours of social relaxation that the club, that all feel a deep sense of personal loss, as if the stroke had fallen on their own family circle, and feel that a double measure of their tender regard and sympathy is due, and is hereby extended to Mr. Lonsdale and his sorrowing family.

Testimonial of Esteem.

As before stated, John Walker will soon leave this city and go to Youngstown, Ohio, where he has bought out the establishment of E. Hippard. The employees of Robert Craig & Son felt that they could not let him go without showing some appreciation of the kind feelings they entertain towards him, so on Saturday last all the employees and some invited guests assembled in the large packing shed. The proceedings were opened by M. Cavanaugh, who dwelt upon the regard of all the employees for John Walker, and pictured briefly his career in the employ of Robert Craig, starting 22 years ago as a young man, when the place had only about six houses, and gradually working and growing up with the establishment, until about eight years ago, when he was appointed superintendent of the entire place. Mr. Cavanaugh finished his tribute by presenting to John Walker, on behalf of all the employees of Robert Craig & Son, a handsome silver swinging pitcher, with cups attached.

Mr. Walker briefly thanked all for their kindness, and said he would always greatly cherish the handsome gift. Usually when a superintendent leaves, the employees were glad to see him go, so that in this case, he all the more appreciated the kindly feeling shown. Appropriate remarks were also made by Ex-Mayor Wm. B. Smith, Robert Craig, Robert Kift and David Rust. The boys had made the event a gala day, having on hand plenty of good cheer for all hands, and everyone had a good time.

Jottings.

John Westcott is negotiating for a tract of land, 200 acres in extent, at Waretown, on Barnegat Bay, N. J. This place is well known to all those who have gone down on those famous fishing trips. Much of the land is the usual marsh, near the coast, but the tract also contains much good ground, lots of good red cedar, also an old-time farm house, which Mr. Westcott thinks would make an ideal club house. We have our Bowling Club, Gun Club, etc., and why not have a Yachting and Fishing Club?

Mr. Westcott has made an offer for the tract, but as one of the executors of the estate is at a distant point, the deal is not yet consummated.

Not much can be said about the cut-flower business. There is a fair amount going on for midsummer, but mostly funeral work. The temperature in this city is against any business; the thermometer has ranged from 96 to 98 degrees, daily, in the shade, for the past week, with the humidity 75 to 80 degrees.

Henry F. Michell has returned from his annual tour of the seed-growing districts. DAVID RUST.

PLANTS and FLOWERS.

GLADIOLUS. We send you to-day a sample of gladiolus brought in by Mr. Jas. Semple. He has been experimenting some time with gladiolus, hoping to improve this flower as much as he has the aster. Will you kindly let us know through your columns your opinion of the flower sent, and whether you think Mr. Semple is making any improvement on the varieties we now have.

PITTSBURG CUT FLOWER CO., LTD.—The color of the flowers of the gladiolus submitted is very beautiful—pale lilac on a white ground. The spike is of branching habit and the variety is certainly an improvement over many existing kinds. There is no doubt but that Mr. Semple is on the road to accomplishing with the gladioli as good results as he has already obtained with the aster.

POTTED STRAWBERRY PLANTS IN 2 INCH POTS.

Ready July 20th. Send for Prices and List.

ROSES, Bride, Bridesmaid, American Beauty, and fifty other varieties. See list in issue of June 23. Also CLEMATIS PANICULATA and HONEYSUCKLES in 4 inch pots.

THE ELIZABETH NURSERY CO., Elizabeth, N. J.

Mention the Florists' Exchange when writing.

HELLER'S MICE PROOF SEED CASES.

Call and see our Exhibit

At the CONVENTION AND EXHIBITION of the S.A.F., Aug. 21st to 24th, or send for our latest Catalogue.

HELLER & CO., Montclair, N. J.

Mention the Florists' Exchange when writing.

CELERY PLANTS G. S. Blanching, W. Plume, G. Heart, G. Pascal, extra strong transplanted plants, $2.00 per 1000; $15 per 10,000; good plants, $1.00 per 1000; $8.00 per 10,000.

Cabbage Plants, $1.00 per 1000; $8.00 per 10,000.

GUSTAV PITZONKA, Bristol, Pa.

Mention the Florists' Exchange when writing.

Pansy Seeds Fresh crop, Vautier's mammoth; it is the best strain in every respect; 120 varieties, colors, and markings mixed; flowers are often up to 4 inches in diameter and smell like violets; 3000 seeds, $1.00; 1 oz., $4.00.

Shellroad Greenhouses, Grange P. O., Balt., Md.

Mention the Florists' Exchange when writing.

Pansies Worth Raising

SEED AS USUAL

⅛ oz.....$1.00
1 oz..... 4.00

CHR. SOLTAU, 199 Grant Avenue, **Jersey City, N. J.**

PANSIES

From Seed Bed, $3.50 per 1000.

A Good assortment of Hardy Plants in Spring and Fall, such as Coreopsis, Veronica, Iris, Funkia, Lemon Lily, Aster, Phlox, Helenium A. Superbum, Lychnis, Larkspur, Digitalis, Antirrhinum, Myosotis, Mist and other hardy stock. Cash with order, please.

W. C. JENNISON, Natick, Mass.

Mention the Florists' Exchange when writing.

SCHMIDT'S PANSIES

HAVE NO EQUAL.

New crop now ready; no matter what you pay, you cannot get a better strain; ¼ oz., $1.25; ½ oz., $2.00; oz., $4.00.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

PANSIES

The Jennings Strain

Of large flowered show and fancy Pansy Seed. New crop now ready. My 1900 Strain cannot be excelled, and is sure to give the highest satisfaction.

Finest Mixed, pkt., $1.00; ½ oz., $2.50; 1 oz., $5. Yellow, White, Blue and Black, in separate colors, 50c. per pkt., postpaid. Small Pansies, 60c. per 100, by mail.

Cash with order.

E. B. JENNINGS, Lock Box, 254, **Southport, Conn**

Grower of the finest Pansies.

Mention the Florists' Exchange when writing.

CALIFORNIAN SEEDS

Contract Prices for 1900 Harvest on Application.

WHOLESALE ONLY.

PERRY WATSON & CO., Sacramento, Cal.

Mention the Florists' Exchange when writing.

HERR'S PANSIES

ALWAYS THE BEST and better every year.

They sell themselves. Try a hundred as an experiment.

Plants only, and ready October 1st to January 1st. Free by mail, 75c. per 100; 250 for $1.50; 500 for $2.50.

By Express, at your expense, $4.00 per 1000.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

STRAWBERRIES Pot-grown, immediate delivery. Prices upon application.
EVERGREENS For August planting, in fine assortment.
MANETTI For grafting for December delivery.
HARDY NURSERY STOCK Of selected quality.
ROSES For forcing.
Correspondence a Pleasure.
HIRAM T. JONES, Union County Nurseries, **Elizabeth, N. J.**
Mention the Florists' Exchange when writing.

P. OUWERKERK
1123 Summit Ave., Jersey City, N. J.
Just received from our Holland Nurseries
RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM,
PÆONIES, BLEEDING HEART,
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.
PRICES MODERATE.
Mention the Florists' Exchange when writing.

CELERY and CABBAGE
CELERY Pink Plume and New Rose (extra strong), Boston Market, Giant Pascal, White Plume and other varieties, 15 cts. per 100; $1.00 per 1000; $8.50 per 10,000.
CABBAGE H. Succession, Second Early, Premium Flat Dutch, Late Drumhead, Drumhead Savoy, and other vars., 15 cts per 100; $1.00 per 1000; $8.50 per 10,000.
KALE Dwarf Green Curled Scotch, same price as Cabbage.
If any of the above plants by mail, add 10 cts. per 100. Cash with order.
R. VINCENT, JR., & SON, White Marsh, Md.
Mention the Florists' Exchange when writing

MYRTLE
For cemetery and park purposes, now ready for Fall delivery; fine, field-grown clumps, $6.00 per 100, f. o. b. N. Y.; Rooted Cuttings, 60c. per 100, $4.50 per 1000.
Double White and **Mixed Hollyhock, Sweet William** seed, large packages, by mail, 25c. A few thousand rooted **Echeveria Secunda Glauca**, rooted, 1 in., $12.00 per 1000; 1½ in., $15.00 per 1000; 2 in., $20.00 per 1000, f. o. b. express, cash with order.
F. A. BOLLES, P. O. E. 10th St., Lawnwood, Brooklyn, N. Y.
Mention the Florists' Exchange when writing

STRAWBERRY PLANTS
100,000 pot-grown plants. New and old varieties. Send for circular.
Jas. McColgan & Co., Atlantic Highlands, N.J.
Mention the Florists' Exchange when writing

SURPLUS FOR SPRING 1900
Can yet do **PEACHES** and **JAPAN PLUMS** in limited quantity; also **MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY STRAWBERRIES** from best leading varieties. Prices for same given upon application.
MILFORD NURSERIES, Milford, Del.
ALEX. PULLEN, PROPRIETOR.
Mention the Florists' Exchange when writing.

THE PINEHURST NURSERIES,
OTTO KATZENSTEIN, MGR., PINEHURST, N. C.
Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda nitida, Fothergilla alnifolia, Dex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Dionæa muscipula, Lupinus diffusus, Phlox subulata, Sarracenias, etc., etc. **Ask for Trade Lists.**
Mention the Florists' Exchange when writing.

EVERGREEN!
An **IMMENSE STOCK** of both large and small sized **Evergreen Trees,** in great variety. Also **Evergreen Shrubs.**
CORRESPONDENCE SOLICITED.
THE W. H. MOON CO., Morrisville, Pa.
Mention the Florists' Exchange when writing

RHODODENDRONS
Native Rhododendrons; well furnished plants, all sizes. Prices on application.
A. E. WOHLERT, Altoona, Pa.
Mention the Florists' Exchange when writing.

Louisville, Ky.

Flowers arriving in this market now are as good as can be expected, with the temperature always above the 90 mark. In roses Beauty are the best. Asters are plentiful. C. W. Reimers is bringing in the largest and best I have seen here.

As yet I have heard only two members of the local trade announce that they intended to attend the New York Convention.

The August meeting of the Kentucky Florists' Society was held at the residence of Joseph Coenen. The weather must affect the boys, for these monthly meetings are not as well attended as they should be. I would urge all of the members to be present at the next meeting, as business of importance will be brought before the Society.—J. S.

CELERY All leading varieties, extra stocky plants, at $1.00 per 1000. **Cabbage Plants,** 5 varieties, fine plants, $1.00 per 1000
J. C. SCHMIDT, Bristol, Pa.
Mention the Florists' Exchange when writing.

500,000 Celery Plants Strong, transplanted plants, 25 cts. per 100; $2.00 per 1000. Good seedlings, 2 inches high, 25 cts. per 100. Write for prices on large lots. Do not confound these with cheap plants pulled up where they were sowed. Try some of ours and see the difference. W. Plume, B. Market, Giant Pascal, Golden Self Blanching and Dwarf Red. Sample, 10 cts. CASH, PLEASE.
H. KILHOURN, - - Clinton, N. Y.
Mention the Florists' Exchange when writing.

Yucca Filamentosa
Fine, large plants, **$10.00 per 100.**
SAMUEL C. MOON, Morrisville, Pa.
BUCKS CO.
Mention the Florists' Exchange when writing

FRUIT and ORNAMENTAL TREES,
Shrubs, Vines and Roses
Write for price list or send your lists of wants for special prices.
W. & T. SMITH CO., Geneva, N. Y.

Boston.

Trade Notes.

Business shows a slight improvement, mostly in funeral work and Summer resort orders. Stock is not overplentiful, except in the case of asters, which are a great drug, many being sold at $1 per 1,000 to the street men on Tuesday. The flowers, of course, were of the poor grades. Good to fancy asters bring from 20c. to 40c. per 100.

A few of the new crop of Bride and Bridesmaid roses are being received and of fair quality for the first cut. Beauty continue in fair supply. Carnations are still scarce. Sweet peas hold on plentiful yet; and there are quantities of amatum and lancifolium lilies, which are found useful for funeral work.

News Items.

His many friends in the trade were pained to hear the sad news of the death of John Gilson, which occurred Thursday, August 2. Deceased was for many years saleman for Edmund M. Wood & Co., and perhaps the best-known salesman coming into Boston.

Geo. A. Sutherland and family are at Nantasket for a few weeks.

David Welch is now on his vacation, which he will spend at various places in Maine and New Hampshire.

George M. Hannon is at Yarmouth, N. S., for a few weeks.

Massachusetts Horticultural Society.

Annuals were the only flowers for which prizes were offered on Saturday, and some very fine collections were staged. Mrs. J. L. Gardner, Mrs. E. M. Gill and E. C. Lewis taking the prizes. The Blue Hill nursery made a nice showing of herbaceous plants and a fine vase of Lilium Batemanni. A vase of Lilium amatum was sent in by W. J. Clemson, also allamandas, tritomas, phloxes and sweet peas from the same exhibitor. A large display of phloxes was made by Rea Bros. Mrs. E. A. Weeks staged verbenas, and Mrs. J. L. Gardner gloxinias. H. T. Clinkaberry, Trenton, N. J., sent a spike of Cypripedium Clinkaberrynum (C. Curtisii x C. Philippinense), for which a certificate of merit was awarded.

An adjourned meeting of the Society was held Saturday, at which the committees on the revision of the constitution and by-laws, on school gardens and children's herbariums, and on nomination of officers and standing committees for the next year, were appointed.

The death of Charles H. B. Breck, for many years a vice-president of the society, was announced, and a committee was appointed to prepare a memorial. One member was requested to act as pall-bearer on behalf of the society at the funeral. F. J. N.

Chicago.

State of Trade.

The cool Summer weather has turned to a heated spell, ranging from 90 degrees to as high as 96 degrees on the street level during the middle of the day. This affects both the condition of the flowers and their sales.

The supply of sweet peas has suddenly fallen away, although there are yet plenty for the demand, with prices 10c. to 15c. per 100. There is an outcry regarding asters, especially on late-sown peas. Carnations, colored, have been rather scarce; but white are abundant. Scott, from outside, is looming up as usual. Melba also seems to do well. Asters are very abundant, especially white kinds. Common stock is often cleared at 10c. to 20c. per 100. A few fancy single-stem flowers have sold in this market at $3 to $4 per 100, but there are not many of them as yet. White asters crowd out white carnations for funeral work. As a rule, asters, this year, are good in form and full in center. Roses get fairly cleared off. Golden Gate, Kaiserin and Meteor being the best stock. Liberty is coming in, flowers short, selling at $4; long-stemmed at $6. The Golden Glow rudbeckia is quite abundant, but finds poor sales at 15c. a bunch. Some dahlias also are in, with no call for them as yet. Gladioli are still abundant at $1 to $2 per 100, and selling fairly well. Cosmos is also arriving, but there is a poor demand for it. Good Japan lilies are very hard to dispose of.

Are you going to New York? is the common cry one now hears. City Passenger Agent Vosburg, of the Lake Shore R. R., feels elated at the inquiries he is receiving anent the florists' special train, that will pull out in style on Sunday, August 19, at 3 p. m., from the Rock Island Depot.

Round About.

Vaughan's seed store made their usual record of early delivery of Roman hyacinths this year, July 18. They also received, last week, a car-load of Harrisii lilies. The bulbs are in better condition than for several years.

Aug. Jurgens is cutting some first-class valley.

John Brod, whose greenhouses are at Niles Center, has opened a retail store at 616 N. Wells. This makes his third retail store. Mr. Washburn says they have housed all their carnations—54,000. The plants never were in finer condition than this year.

Miss Fanny Ludlow, of Vaughan's seed store, is at Paw Paw Lake on a vacation.

Alex. Newitt is now with L. J. Stuppy, at St. Joseph, Mo.

Tell the printer to drop the thousands from the square miles in Chicago City limits. Let it go at 186, in article on "Growth of Florists' Business in Illinois."

James King's field of hardy phlox, was a blaze of color on our visit to Elmhurst last week. G. Swenson, the violet man at the same place, as usual, is making great preparations for next Winter.

Ess.

St. Louis.

Business Slow.

Business has got down to low water mark, nothing but a little funeral work going on. The weather is very hot and exhausting, and people who can, must not be blamed for going off to a cooler place, if any is to be found. The cut flower market remains the same as last reported, except that a few more roses are coming in and of a trifle better quality. Single tuberoses sell for 5c. per stalk, plenty of asters of all grades, also carnations are on hand. With the much greater area that will be planted with carnations all over the country, is there not a danger of overdoing them and bringing the price down to nothing next winter? We are a little afraid of this, though carnations certainly did sell well last Winter, still, we would not be surprised to see roses the best paying crop again soon.

Notes.

John Young and family, accompanied by Fred O. Weber, have left for Atlantic City for the Summer. They will probably run over to the Convention.

A. Ringier, of Barnard & Co., Chicago, is in town. He is on his way east from the Pacific coast, where he has been in the interest of his firm. He reports an excellent trip, in a business way, and is much taken with California as a residence and business place. C. C. S.

ANDORRA NURSERIES
WILLIAM WARNER HARPER, Prop., Chestnut Hill, Philadelphia, Pa. **SPECIALTIES:** Large Specimen Ornamental Trees. Large Hardy Rhododendrons and Azaleas.
Mention the Florists' Exchange when writing.

THE STORRS & HARRISON CO., Painesville, Ohio.
Desire to call the attention of Florists and Nurserymen to their 40 acres of **HARDY ROSES,** their complete assortment of **FRUIT** and **ORNAMENTAL TREES** and **SHRUBS,** and their 44 Greenhouses of **ROSES, PALMS, FICUS, FERNS, ETC.**
Correspondence and personal inspection solicited. Trade List and Catalogues fre
Mention the Florists' Exchange when writing

F. & F. NURSERIES
SPRINGFIELD, NEW JERSEY.
Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.



I HAVE 25,000 SHADE TREES—SUGAR, NORWAY, SYCAMORE, ASH-LEAVED and SCARLET MAPLES, 1½ to 3 inch diameter. ELMS, 12 to 16 ft. 2,000 WHITE BIRCH and PURPLE BEECH, 5 to 10 ft. EVERGREENS, all kinds and sizes. 2000 COLORADO BLUE SPRUCE and RETINOSPORA AUREA, 3 to 5 ft. 2000 HYDRANGEA PANICULATA GRANDIFLORA, extra sizes. Plenty CRIMSON RAMBLER and other ROSES, extra strong. 20,000 CALIFORNIA PRIVET, 2 to 5 ft. FRUIT TREES, all kinds many to bearing sizes. RHODODENDRONS and AZALEAS, extra strong, 2 to 3 ft.
Florists, landscape men and others wanting stock should call or write
STEPHEN CRANE, Prop'r. Norwich Nurseries, **NORWICH, CONN.**
Mention the Florists' Exchange when writing

TREES
Fruit Trees, Small Fruits, including grapes, **Ornamental Trees, Evergreens** and **Shrubs** for public and private grounds. **Shade Trees** for streets. **Hardy Roses, Hardy Plants, Climbers,** etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.
ELLWANGER & BARRY, MT. HOPE NURSERIES, 61st year. **Rochester, N. Y.**
Mention the Florists' Exchange when writing.

CARNATIONS

WM. SWAYNE, Kennett Square, Pa.

Mention the Florists' Exchange when writing.

WM. MURPHY,

Wholesale Carnation Grower.

Sta. F., CINCINNATI, O.

Mention the Florists' Exchange when writing.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing.

GEO. A. RACKHAM,

Wholesale Grower of

Carnations and Small Ferns,

880 Van Dyke Ave., Detroit, Mich.

Mention the Florists' Exchange when writing.

CARNATIONS

F. DORNER & SONS CO., LaFayette, Ind.

Mention the Florists' Exchange when writing.

SMILAX!

From 2¼ in. pots, $2 per 100; $18 per 1000.

Cash with Order, Please.

B. H. TROWBRIDGE, Fishkill Village, N. Y.

MOUNT HONNES CONSERVATORIES.

Mention the Florists' Exchange when writing

SMILAX

From 3 in. pots, $2.00 per 100.

Asparagus Tenuissimus Nanus, from 2 in. pots, $4.00 per 100; from 3 in. pots, $5.00 per 100.

Russellia Multiflora, from 3 in. pots, 60 cts. per doz.

J. G. EISELE, Florist,

20th and Ontario Sts., PHILADELPHIA, Pa.

Mention the Florists' Exchange when writing.

700 SMILAX, 2½ in., $2.00 per 100

'MUMS Clark, Morel, Adams, Whilldin, Lincoln, Jones, Niveus, Lager, Reiman, Gasteller, Wanamaker, Mutual Friend, Dawn, Tuxedo, Pres. Smith, Wondford, Invincible, Maud Dean, The Harriot, Wedding, G. Pitcher, Queen, Dorner, Merry Monarch, Yellow Monarch and Ysanoma, 2½ inch $2.00 per 100. Cash with order.

A. A. WHITBRED, ALTOONA, PA.

Mention the Florists' Exchange when writing

600 FINE SMILAX PLANTS

2½ Inch Pots, $2.00 per 100.

CASH WITH ORDER.

WM. KEIR, - Pikesville, Md.

Mention the Florists' Exchange when writing.

SMILAX.

2 inch, strong plants, $1.25 per 100; $10.00 per 1000.

COLEUS, R. C., 70 cents per 100; $5.00 per 1000, prepaid.

C. HUMFELD, Verbena King, Clay Center, Kan.

Mention the Florists' Exchange when writing.

25,000 SMILAX That will grow and make strings this fall. From 2 inch pots, $1.50 per 100; $13.00 per 1000. From flats, by mail, 50c. per 100; $4.00 per 1000. Send for samples.

CASH WITH ORDER.

FRED BOERNER, Cape May City, N. J.

Mention the Florists' Exchange when writing

SMILAX

Strong seedlings from flats, 25c. per 100, $2 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

English Ivy, from 2½ to 3 in. pots, healthy plants 15 inches, and over, long, $5.00 per 100.

Wanted Hydrangea Otaksa

GODFREY ASCHMANN,

1012 Ontario St., Philadelphia, Pa.,

Mention the Florists' Exchange when writing.

ASTER PLANTS

Fine, stocky plants from the field.

Ostrich Feathers, Queen of the Market, Semple's, Victoria, Vick's and Truffaut's Perfection, 35c. per 100; 500 for $1.00; $1.75 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

STOCK THAT WILL PLEASE

ROSES, Meteor, Bride and Maid, strong, 3½ in. pots, $4.00 per 100.

ASPIDISTRA, Green, $5.00 per 100. Variegated, $8.00 per 100.

SMILAX, strong, 2 in., $1.50 per 100.

JERUSALEM CHERRY, 2 in., $1.50 per 100.

FICUS, tip cutting, fine, $18.00.

A. C. FEHR, Belleville, Ills.

Mention the Florists' Exchange when writing.

ALTERNANTHERA.

Red, per 100, $2.00; per 1000, $18.00.
Yellow, " 1.75; " " 15.00.

	Per 100
Verbenas, Mammoth, 2 in.	$1.00
Rudbeckia, Golden Glow, 2½ in.	2.00
Abutilon, Souv. de Bonn, 3 in.	2.50
Fuchsias, best mixed varieties, 3 in.	3.00
Petunias, Single, 3 in.	3.00
Cigar Plant, 3 in.	2.50
Coleus, Golden Bedder, 2 in.	2.00
Lantanas, Mixed, 3 in.	3.00

Satisfaction Guaranteed. Cash with Order.

GEO. L. MILLER, Newark, Ohio.

Mention the Florists' Exchange when writing.

DO YOU WANT ANY?

Hardy Ivies, 3 feet high, bushy plants, $3.00 per doz.

Chrysanthemums, good stock, from 4 in. and 5 in. pots, $10.00 per 100.

Assorted Geraniums, stock plants, at $10.00 per 100.

Selaginella, strong, 3½ in. pots, at $6.00 per 100.

Assortment Flowering Begonias, from 3 in. pots, at $4.00 per 100.

Geranium Mars, 1 year old plants, 5 in. pots, $3.00 per doz.

The Above Is all Good, First-Class Stock.

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

XXX STOCK For Immediate Shipment.

Cyclamen Persicum Splendens Giganteum, finest strain in the world. Now ready to ship a splendid stock of plants in 4 true colors—red, white, pink, and white with carmine eye—from 2½ in. pots, $5.00 per 100; $40.00 per 1000; from 3 in. pots, $7.00 per 100; $60.00 per 1000; 250 at the 1000 rate.

Chinese Primroses (fringed), single and double, in the finest market vars., from 2½ in. pots, $2.50 per 100.

Begonia Rex (rooted cuttings), in 12 var., mixed, $1.50 per 100; assorted, $2.00 per 100.

Cinerarias Hyb. Maxima Grandiflora, transplanted from flats, $1.50 per 100; $12.50 per 1000; from 2¼ in. pots, $2.50 per 100; $20.00 per 1000; 250 at the 1000 rate.

ALL STOCK GUARANTEED A No. 1.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

PLANTS AND ROOTED CUTTINGS

	Per 100
Asparagus—	
Plumosus, 2¼ in.	$5 00
Sprengeri, 2 in.	3.00
" 2¼ in.	4.00
Begonia, Rex, 2¼ in.	4.00
" " 3 in.	6.00
" " 3½ in.	6.00
Baby Primrose, 2¼ in.	4.00
Cyperus (Umbrella Palm) 2¼ in.	4.00
Dracæna Ind., 3 in.	6.00
" " 5 in.	25.00
" " 6 in., extra	50.00
Fuchsia, 2¼ in.	$3.00
" 3 in.	4.00
Palm, Washingtonia Filifera, 2¼ in.	4.00
3 in.	6.00
Geraniums—	
Ivy, 3½ in.	4.00
S. A. Nutt, Dbl. Grant, La Favorite, Eliza, Gleire de France, etc., 2¼ in.	3.00
Happy Thought, 2¼ in.	4.00
Dbl. New Life, 2¼ in.	6.00
Heliotrope, 2 in.	3.00
Heliotrope, 4 in.	$6.00
Hydrangea, pink and white, 2¼ in.	5.00
Impatiens Sultani, 2¼ in.	3.00
Lemon Verbena, 2 in.	3.00
Var. Trailing Abutilon, 2¼ in.	4.00
Violets, Farquhar, 2¼ in.	2.50
" " 3 in.	3.50
Vinca, 2¼ in.	3.00
" 3 in.	5.00
" 4 in.	10.00
" 5 in.	15.00

ROOTED CUTTINGS.

	Per 100
Anthemis Cor., Dbl. Yellow Marguerite	$1.50
Begonia Rex	2.00
Forget-Me-Not, (Winter-flowering)	2 00
Geraniums— Sweet, in variety	1.50
Named	1.50
Vinca, per 1000, $10.00;	1.25
Snow Crest Daisy	2.00

NOZZLE

For Florists, the best on the market. Send for descriptive circular and prices.

Write us for prices on 1000 lots. Terms, Cash or C. O. D.

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

ALTERNANTHERAS

P. Major and A. Nana, 2 in. pots, $1.50 per 100.

COLEUS.

Crimson Verschaffeltii and Golden Queen or Bedder, or mixed, 2 in. pots, $1.50 per 100.

Giant Sweet Alyssum and Variegated Alyssum, 2 inch pots, $1.50 per 100. Cash with order

C. A. HARRIS & CO., Delanson, N. Y.

Mention the Florists' Exchange when writing.

60,000 DAHLIAS

For Fall Delivery.

All the best and newer varieties. Stock first-class. Prices right.

A. B. DAVIS & SON, Purcellville, Va.

Mention the Florists' Exchange when writing.

THE MORRIS FLORAL CO.,

WHOLESALE GROWERS OF

Plants and Rooted Cuttings,

MORRIS, ILLINOIS.

Mention the Florists' Exchange when writing.

J. E. FELTHOUSEN,

Rooted Cutting Specialist,

SCHENECTADY, N. Y.

Mention the Florists' Exchange when writing.

CINERARIAS We grow an immense quantity of a superb strain; transplanted in flats, $1.50 per 100; 400 for $5.00. 2¼ in., $2.00 per 100; 300 for $5.00. 3 in., $3.00 per 100; 400 for $10.00.

Chinese Primula, 2¼ in., $2.00 per 100; 3 in., $3.00 per 100.

Cyclamen Persicum Giganteum, 2¼ in., $4.00 per 100; 3 in., $6.00 per 100.

These are all for Christmas flowering.

WHITTON & SONS, Wholesale Florists,

City and Green Sts., - - UTICA, N. Y.

Mention the Florists' Exchange when writing.

GERANIUM AMERICA

The Queen of all Geraniums; come and see 3000 plants in full bloom. Good, strong stock plants, out of 4 inch pots, $2.50 per doz.; $20.00 per 100.

HENRY EICHHOLZ, Florist, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Now is the time to plant them. We offer extra fine vigorous plants, from 2 and 2½ inch pots. Everybody likes them; they are so strong and healthy that they surprise all of our new customers; our old customers, of course, always know what to expect, but even they occasionally tell us that our stock is getting better all the time. Following is a partial list.

EARLY	100
Ivory	$3 00
M. Henderson	3 00
Geo. S. Kalb	3 00
Merry Monarch	3 00
Willowbrook	4 00
M. de Montmort	3 00
Mrs J. Whilldin	3 00
John K. Shaw	5 00
Golden Trophy	3 00
Glory of the Pacific	3 00

MID-SEASON	100
Major Bonnaffon	$3 00
Wm. Simpson	3 00
V. Morel	3 00
G. W. Childs	4 00
H. W. Longfellow	3 00
Mrs. Murdoch	3 00
Mrs. T. L. Park	6 00
Black Hawk	4 00
Mrs. C. H. Pierce	3 00
Mrs. H. Robinson	3 00
Niveus	3 00

LATE	100
Mrs. J. Jones	$4 00
Liberty	4 00
Merry Xmas	4 00
Autumn Glory	3 00
E. Dailledouze	4 00
Golden Wedding	4 00
Nagoya	6 00
Xeno	6 00
Barry Baisley	3 00
Adula	3 00
Mrs. Baer	8 00

In addition to the above we have a large list of new and other standard sorts. Send for complete list.

H. WEBER & SONS, OAKLAND, MD.

Mention the Florists' Exchange when writing.

PRIMROSES

Improved Chinese, ready for 3 in. pots. Well known throughout the U. S. and Canada as the finest large-doweling fringed varieties grown. **Singles,** named, $2.00 per 100; $17.00 per 1000. **Doubles,** named, $3.50 per 100. Extras added to help pay expressage. **Primrose Seed,** of best 15 vars., single and double, mixed, 500 seeds, $1.00; half packet, 50 cts.

Gesneria Refulgens, Velvet Plant; highly-colored foliage, strong, 3½ in. pots; $1.00 per dozen.

FINEST GIANT PANSY SEED.

The very best of mammoth varieties; no finer ever offered; all the seed plants critically selected. **Sow the Best.** Packet, 3500 seeds, $1.00; half pkt., 50 cts. A packet of the grand new dwarf Forget-Me-Not "Blue Beauty," added to every seed order. Strictly cash prices.

The Home of Primroses, JOHN F. RUPP, Shiremanstown, Pa.

Mention the Florists' Exchange when writing.

CHINESE PRIMROSES

50,000 Finest large-flowering fringed, per 1000, $17.00; per 100, $2.00.
Obconica Grandifl. and Rosea, ready Sept. 1st, per 100, $2.00.

ASPARAGUS SPRENGERI, $3.00 per 100. PLUMOSUS, $4.00 per 100. | **PANSY SEED** Large Flowering, per ounce, $4.00.

CINERARIA, August 20, $2.00 per 100.

Cash, please. JOS. H. CUNNINGHAM, Delaware, Ohio

Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

SITUATION wanted in general greenhouse work, by single young man. Gus Miller, 136 Avenue C, New York.

EXPERIENCED seedsman, of 16 years, wishes a position; long experience in wholesale, retail and mailing departments; also many years on road. W. K., care Florists' Exchange.

SITUATION wanted, as foreman, by a competent florist—position, experience in all branches in this business; references given. E. H., care Messrs. T. J. Grey & Co., 32 South Market Street, Boston, Mass.

WANTED—Position as foreman or assistant to large florist; well up in all branches; first-class rose, carnation, violet and 'mum grower; 18 years' experience, good references. W. C., care T. I. Grey & Co., 32 S. Market St., Boston.

SITUATION wanted, as foreman or assistant; 14 years' experience in growing roses, carnations, violets, chrysanthemums and general stock; experienced in designing, decorating; am an A1 salesman; a worker and no drone. Address V. X., care Florists' Exchange.

SITUATION wanted, by a thoroughly competent grower of roses, violets, carnations, 'mums, and stove plants; life experience; German, married, age 28; furnish good references. State salary paid. Address V. Y., care Florists' Exchange.

HELP WANTED.

FLORIST; first-class rose or carnation grower, latter preferred; state reference and wages expected. H. Dale Estate, Brampton, Ontario.

WANTED—Florist clerk and designer; some knowledge of plants and seeds required; wages $12.00 per week. Apply in person. John Reck, Bridgeport, Conn.

SALESMAN wanted—For our florist and retail department: Thoroughly experienced in flower seeds and bulbs. Apply by letter. W. W. Rawson & Co., 12 and 13 Faneuil Hall Sq., Boston, Mass.

WANTED, Sept. 1st—Experienced florist to take charge of greenhouses adjoining city store, and assist in store; must understand growing palms, ferns, and forcing bulbs; knowledge of decorating desirable; must be temperate, honest, willing; state wages (moderate), with or without board; reference. Melrose Floral Co., Harrisburg, Pa.

MISCELLANEOUS WANTS.

WANTED TO RENT AT ONCE—Greenhouse plant of about 10,000 sq. ft, suitable for carnations and miscellaneous stock; in good order; Long Island preferred. Please repeat made offers; they came in wrong hands and are destroyed. Bolind, Hollis, L. I., Box 17.

BUSINESS OPPORTUNITIES.

FLORAL Establishment, for rent or sale; in a thriving town in Ohio, of 1000 inhabitants; 4,000 feet of glass. Inquire of D. Lee, Madison, Ohio.

TO RENT—Greenhouse property at Brighton, Mass., 4 houses, about 4000 feet of glass, and dwelling-house. Apply to Miss S. W. Stovey, 271 North Beacon street, Brighton, Mass.

FOR RENT OR SALE—3,500 feet of glass, well located, in good business town in New Jersey; good opportunity for the right man; Weatherbeed boilers. W. N., care Florists' Exchange.

FOR SALE, cheap, greenhouse, 16x64 feet; glass, 12x14 feet; Cypress rafters and gutter; ventilator rigging; manifold coils for heating. Ed. B. Weber, 400 North Ninth street, Reading, Pa.

GREENHOUSE in live Western town of 5,000 population; good flower town, no competition; nearest greenhouse sixty miles; cheap fuel; $800, cash payment; balance long time, low rate of interest. W. M., care Florists' Exchange.

SIX GREENHOUSES to let on lease, close to trolly and station; well stocked with roses, carnations, violets and chrysanthemums; a good chance for man with small capital. For full particulars, apply Stanley, Plainfield, N. J.

FOR RENT, three greenhouses—without stock; dwelling and stable, if required; convenient to New York market; suitable for growing roses and carnations; city water. W. L., care Florists' Exchange.

TO LET—One greenhouse, 125x20 feet, also office dwelling and twelve city lots adjoining, for a term of years; established 1888; opposite St. Michael's Cemetery. W. H. Scheurer, 532 Flushing ave., Astoria, N. Y.

FOR SALE or rent—One of the best florists' plants in New England. Death took my wife away and I am too old to run the business. Will sell at a sacrifice. This is the chance of a lifetime. For any information address P. Cormley, Worcester, Mass.

GOOD OPPORTUNITY.—Lease, with privilege to buy, four greenhouses: two 100x20, two 100x10, with ground; hot-water heating; good location; retail business; cut flowers and pot plants; 15 minutes from New York. Verbal applications preferred, with principals only. 676 Avenue E, Bayonne, N. J.

FOR SALE—14,000 feet of glass, used mostly for roses, 4 acres of ground and 2 dwelling houses; 3 minutes from station, city improvements, hot and cold water, and good forcing water in greenhouses supplied by Summit Water Co. On account of illness with rheumatism, will sell whole or part interest. A. Harth, Milburn, N. J.

TO LEASE for a term of years, very desirable greenhouse property; two houses, 150x20 and 60x20, heated by steam; over two acres land, sixteen miles from Boston, 3 minutes to station, trains hourly to and from the city; rare chance for rose grower; possession given Sept. 10th. Further particulars, apply to Patrick Welch, 15 Province St., Boston, Mass.

FOR SALE—8 greenhouses, double span, all sashes 3 ft. 9 in. wide, 8x8 glass, bedded in putty and white lead; 1 house, 4x8 ft. sash; 3 houses, 6 ft. sash; 2 houses, 8 ft. sash; 1 house, 8 ft. and 12 ft. sash, all 75 feet long; 1 house, 12 ft. sash, 58 ft. long; 1 house, 12 ft. sash, 78 feet, 8x10 glass; rafters and ridges first-class pine; all in good order; 3500 feet 4 in. pipe. J. G. Pfordt's Sons, 899 Broadway, Albany, N. Y.

TO LEASE, on excellent terms, a fine acreage of land situated within one hour of New York. Very accessible, with large and commodious greenhouses, flower gardens, dairy, large brick buildings for cows and horses. Land capable of raising all kinds of products, shrubs, trees, etc. Will lease whole, or in part, to suit. Owner having a piece of land within easy reach of the above is willing to pay for the care and work on the same if terms can be agreed upon. Particulars may be had by addressing Talbot Root, 27 Pine street, New York City.

FOR SALE or Rent, nearly new house and lot, 100x100 feet; one greenhouse, 11x45 feet; Corcoran windmill, hot and cold water in house, use of about 50 lots, now covered with about 30,000 privot, 10,000 myrtle, large stock of other plants. Situated half way between Prospect Park and Coney Island. Near famous Ocean Parkway. Principal trade, wholesale with parties connected with cemeteries. A rare chance; only reason for selling wife cannot live so near ocean. Price for all, $7,500. Within three miles, it is now estimated there are 1,500 new houses building. Smith street cars from Bridge to Avenue L; time 45 minutes. P. O., F. A. Bolles, East 10th street, Lawnwood, Brooklyn, N. Y.

BY J. WALTER BRADLEE, Auctioneer, 23 Court St., Boston. Chance of a lifetime for a florist. Four greenhouses, with two acres of land, on Thacher street, off Blue Hills Parkway, Milton, Mass., will be sold at public auction on Wednesday, August 22, 1900, at 3 o'clock P. M., all and singular the entire plant of Edward E. Saunders, florist, together with a large assortment of bedding plants, pots, and general fittings, tools, etc., to be sold in lots to suit. This property is very desirably located, within seven miles of Boston proper, five minutes walk to steam and electric cars to Boston; electric cars to Brockton pass the property. The business has been carried on for a period of 20 years, and offers an unusual opportunity to secure a plant so centrally located for a man to increase his business, as the local florists cannot begin to supply the demand. Any florist who understands pleasing the public is assured of success from the start. Terms: $300. Cash deposit required at time of sale. For further particulars apply to the auctioneer.

L. USSING'S GREENHOUSE PROPERTY Exchange, 53 W. 28th St., New York (with G. E. Bradshaw). Telephone, 1239 Madison Sq. Sell, rent or exchange at all times.

FOR SALE OR RENT—SIX GREENhouses, 12000 feet glass, well stocked with chrysanthemums and roses, located on Jersey City Heights. Terms easy. For particulars and price, or terms, address W. J., care Florists' Exchange.

FOR SALE OR RENT, CHEAP TO RE-sponsible party, on account death, a first-class place, built last year, New Jersey, 6 miles from New York; size, 200x300 feet; splendid soil and sod; one 3-4 span house, 150x20; one house 115x10; frames, heatable; small dwelling, city water; houses and outdoor well stocked with cut flowers. Sold on easy terms. Rent $25 per month. W. O., care Florists' Exchange.

MISCELLANEOUS.

FOR SALE—Base-burning Furman steam boiler No. 4, good condition; used two seasons. If you want it, address Box 57, Lyons, N. Y.



Chicago.—The practice games of the club on Friday night showed the undernoted result. The tie of Fred Stollery and Balluff, left over from the previous Friday, ended in favor of Stollery by three pins only in the long series. The New York team finally stands in the following order:—Asmus, Winterson, Degnan, Hauswirth, Fred Stollery and George Stollery, the latter having been voted on the team before he left for Europe. Degaan's low score is explainable by his having a sore thumb on the right hand, and bowling with the left.

	1	2	3	4	5	6	7
Winterson	208	190	132	178	143	148	118
Balluff	152	138	164	137	139	122	111
Kreitling	120	186	129	153	115	172	99
F. Stollery	153	137	160	142	157	126	201
Hauswirth	184	126	140	130	142	161	157
Degnan	52	51	140	...	...	...	...
Austio Shaw	117	117	108	109	...	...	...

New York.—The scores made last Monday evening were as under:

	1	2	3	4
F. H. Traendly	113	145	128	132
W. Liebenheller	124	132	163	131
T. Roehrs	173	147	156	155
J. Donaldson	191	187	141	129
J. Thielmann	135	212	145	195
J. A. Manda	159	128	133	165
H. Walters	129	104	112	...
A. S. Burns	..	135	...	...
P. O'Mara	..	152	...	...

To the Bowlers.

As Mr. Charles Schenck, Secretary of New York Florists' Clubs' Bowling Committee, is quoted in the last week's issue of the FLORISTS' EXCHANGE as saying that he could not reply to the question asked him several times, apparently by would-be contestants, as to whether any entrance fee would be required for the national tournament, I think it best to again state that as far as the National Florists' Bowling League is concerned, there is no fee of any kind except for the "sweepstake" prizes, which, of course, are only open to the clubs who contribute to this fund. It can not be determined just how this fund is to be divided, or prizes purchased with the money, until the representatives of the contributing clubs get together in New York, as the League Committee has not been able to get sufficient data to enable them to go ahead in the matter.

ROBERT KIFT, President N. F. B. L.

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN.

THEODORE J. SMITH, Geneva, N. Y., President; N. W. HALE, Knoxville, Tenn., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

American Association of Nurserymen.—The report of the twenty-fifth annual meeting, held in Chicago, June 13 and 14 last, has been issued. It contains a stenographic account of the proceedings, a list of the members and code name of each firm; also the Nurserymen's Telegraphic Code. Next meeting place is Niagara Falls, second Wednesday in June, 1901.

Georgia State Horticultural Society. A very interesting meeting of this society was held at Dublin, Ga., last week.

Maj. G. M. Ryals, of Savannah, said the peaches shipped by him brought twice as much in Baltimore as in New York. He could only account for the difference by the neglect of the railroads in keeping the cars iced.

Prof. Stockbridge informed the society of the extensive experiments made by the Southern Pacific Railroad in building special cars and filling them with carbonic acid gas. This was found to prevent and stop the decomposition of fruit. Prof. M. B. Waite, of the United States Department of Agriculture, dwelt at length upon the fertilization of the soil for peach trees. One of the best commercial fertilizers, said he, is 10 per cent. potash, 8 per cent. phosphoric acid, and 4 per cent. ammonia.

Officers were elected as follows: President, P. J. Berckmans; secretary, G. H. Miller; treasurer, L. A. Berckmans; vice-presidents, G. M. Ryals, Savannah; B. W. Stone, Thomasville; S. H. Rumph, Marshallville; Henry Matthews, Fort Valley; W. M. Scott, Atlanta; R. E. Park, Macon; G. H. Waring, Cement; H. N. Stevens, Athens; J. J. Justice, Marcus; Neill McInnis, Augusta; J. M. Stubbs, Dublin.

Milledgeville was selected as the next place of meeting. Just before the society adjourned, President P. J. Berckmans was presented with a handsome gold watch.

MISCELLANEOUS.

FOR SALE, 650 feet 4-inch cast pipe, part been in use but two seasons; in fine condition, 7c. per foot; also fittings in ells, bends, y's, etc. Address, C. B. Shisler, Williamsville, N. Y.

FOR SALE, one 16 H. P. boiler; one 60 H. P. locomotive boiler; one Dean steam pump; 3000 freezias, $4.00 per thousand; lot of stock geraniums; 500 Rose Queen carnations, $3.50 per 100. Post Office Box 95, Newtown, Bucks Co., Pa.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.

Mention the Florists' Exchange when writing.

'MAIDS 3.00 fine stock 3½ and 4 inch pots, cheap.
SEND POSTAL OR CALL.
C. RADZIR, 12 Keep St., **Madison, N. J.**
Mention the Florists' Exchange when writing.

VIOLETS. VIOLETS.
Marie Louise, clean and healthy in every particular. 3 in. pots, $5.00 per 100; ready August 1st.
Cash with Order.
WM. J. CHINNICK, - Trenton, N. J.
Mention the Florists' Exchange when writing.

ROSES 'MAIDS and BRIDES.
4 inch, $5.00 per 100.
2½ in., $3.00 per 100; Good Stock.
Light Boxes. Careful Packing.
"BE LIVELY IF YOU WANT THEM."
P. COSGROVE & SON, Madison, N. J.
Mention the Florists' Exchange when writing.

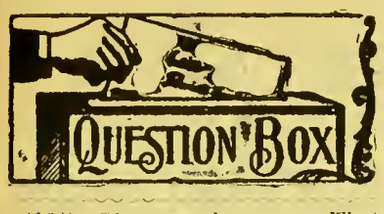
100,000 SMILAX Not small seedlings but large plants, to make good strings this Winter, at 40c. per 100, by mail; $1.50 per 500; $2.50 per 1000, by express. Sample free.
GUSTAV PITZONKA, Bristol, Pa.
Mention the Florists' Exchange when writing.

SURPLUS ROSES
'Maids and Brides
3 and 4 inch pots, $3.00 and $1.00 per 100.
E. VOLMER, 336 Central Av., JERSEY CITY H., N. J.
Mention the Florists' Exchange when writing.

VIOLETS Marie Louise. Healthy, from lot, $40.00 per 1000.
ROSES Bride and Bridesmaid. 900 left, go for $25.00.
500 CHRYSANTHEMUMS Robinson and Bonnaffon. Go for $12.00.
ROBERT CHESNEY, Montclair, N. J.
Mention the Florists' Exchange when writing.

VIOLETS From pots, A1 stock, free from disease: Lady Campbell, M. Louise and Farquhar, $2.50 per 100; $20.00 per 1000. New Imperial, $3.00 per 100; $25.00 per 1000.
ROSES Fine plants of Meteor and Perle from 3 in pots, $3.00 per 100, $25.00 per 1000, also 3 inch 'Maids and Brides, same price.
300 BUSHY SMILAX Plants, 2½ in. pots, $1.50 per 100.
CRABB & HUNTER, Grand Rapids, Mich.
Mention the Florists' Exchange when writing.

10,000 Chrysanthemums
Thrifty young plants, from 2¼ inch pots, to close out, $2.50 per 100; $20.00 per 1000.
LIST OF VARIETIES ON APPLICATION.
NATHAN SMITH & SON, Adrian, Mich.
Mention the Florists' Exchange when writing.



(162) **Chrysanthemums**—What length of time is generally required for the chrysauthemum to develop the flower from the time of takiug the proper bud on plants grown to single stem?—C. G. F.

—About four weeks is the time required for the flower to develop, after the formation of the bud.

(163) **Short or Long Span to South**—Could you induce some of our best growers to discuss through the EXCHANGE the relative merits of "short or long span to south," for the beuefit of those of us who have had no experience with the two in comparison?—J. A. H., Ohio.

[Will some of our readers oblige.—ED.]

(164) **Begonia Leaves.**—W. H. Rogers—The trouble with the begonia leaves evidently arises from the plants being allowed to get too dry, and then being given an overhead watering, instead of watering the roots and leaving the foliage dry. Pull away all affected leaves; shade the glass over the plants, keep them from ever getting very dry at the roots by regular attention, and the burning of the leaves will not occur.

(165) **Protecting Peach Trees in Winter.**—I have a peach orchard, with chiefly Crosby and Crawford early trees, planted in May last. The orchard is situated on the northern side of a hill, in a place in Massachusetts where the thermometer last Winter showed 26 below zero. Is it necessary to protect these trees any before next Winter, and how can I best protect them?—SUBSCRIBER.

—The only protection necessary is to bank about one foot of soil around the base of the trunk, just before the ground freezes for Winter.—J. H. HALE.

(166) **Galvanized Pipe for Greenhouses.**—Galvanized pipe will not give off as much heat as black pipe painted with lamp black and oil, but about the same as when asphaltum is used. This is because a rough pipe radiates more heat than one that is smooth. On the other hand a thick coat of rust prevents the radiatiou of heat, and black pipe in the condition usual in greenhouses will not give off as much heat as one that is galvanized. If the pipes are new and of equal thickness, there will be little difference in the strength, but the galvanized pipes would be much more durable than black pipe if the threads are painted.—L. R. TAFT.

(167) **Aster Plants Dying**—Kindly tell me what to do to save my aster plants, which are dying, one bed after another. The root is perfectly healthy; but the main stem turns brown, then withers and dries up. Can it be the soil; or was it the seed?—A SUBSCRIBER.

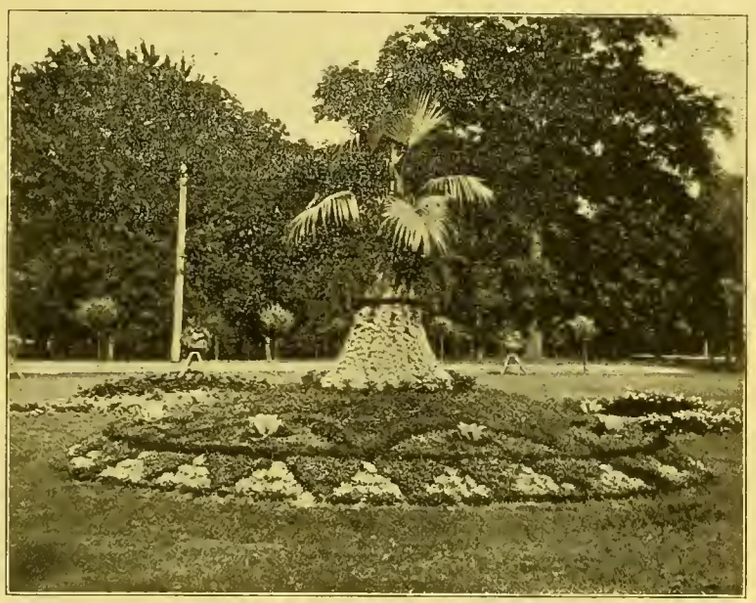
—The trouble with Subscriber's asters is not due to the seed, but it is undoubtedly the work of the tarnished plant bug—(Lygus pratensis). This bug did much damage to asters around Rochester last year; and so far there seems to be no effectual remedy for it. But as the bug is most prevalent in dry seasons, we would try daily sprayings, using some insecticide with the water about every third day.

(168) **A Rose Trouble.**—Kindly tell us through your valued paper the effect of eel worms on roses? Our rose plants are apparently in excellent condition. We notice the buds are imperfect, those of them we have allowed to mature. I presume that is caused by the change from excessive heat to cold, which will occur at this season of the year, between day and night, no matter how careful one is? Let me hear from you and oblige, M. D.

—The effect eel worms have upon roses is not confined to the flower bud. When the plant is attacked by this pest the leaves and buds begin to drop, then turn yellow, and the plant dies, all within the space of two or three days. The trouble with the buds mentioned is no doubt of a local nature, and will pass away as the weather becomes cooler. In the meantime we would ventilate freely, both day and night; and if the soil seems to be infested with any kind of worms we would give an occasional watering with lime water.

(169) **Disbudding Roses.**—Through the medium of your worthy paper, I should like to know about the right size to let the buds develop on young rose stock before disbudding. Varieties are Bride and Bridesmaid. They were planted on the tables June 30. I noticed a bench of 500 Liberty recently which were going through the disbudding process, and one could look over them and see on almost every plant buds matured to good size, and showing color. Is it best to let them develop so far before disbudding?—W. H. B.

—The disbudding of roses should always be done as soon as the buds are large enough to handle. This applies to all varieties. The time to discontinue taking off the buds should depend upon when the first crop of flowers is wanted. As the buds take thirty days to mature, this can easily be figured out. If we wanted to begin cutting, say by the first of October, we would not disbud after the last of August.



A Bed in Forest Park, St. Louis.

First Prize Photograph by Rudolph Windt in FLORISTS' EXCHANGE Photographic Contest for July.

(170) **Carnations**—Will some one kindly tell me the best way to mix soil for carnations. I have plenty of good loam and cow manure. About how many loads of soil to each load of cow manure (well rotted)? Would you advise me to put in any sheep manure, lime, and bone meal; if, so, how much? Also please name me about eight of the best varieties to grow where the highest price cannot be obtained; no matter what varieties, the average price during Winter being 1½c. I want white, red, and pink.—CARNATION GROWER.

—The loam and cow manure will make the best kind of compost for the carnations. Use four loads of soil to one load of the manure; mix well together and add lime at the rate of about one bushel to the load. The sheep manure can be used to advantage later, by mixing it with the soil, about half and half, and employing it as a light top dressing.

The best eight varieties for your market would, in our opinion, be Lizzie McGowan and Flora Hill for white; Wm. Scott and Mrs. Frances Joost, deep pink; Daybreak and Governor Griggs, light pink and Evanston and Jubilee for red.

(171) **Heating.**—I have three houses: No. 1, 75x26 ft.; sides 4 ft. 6 in.; ridge, 12 ft. 6 in. from ground. No. 2, 75x26 ft.; sides, 4 ft. 6 in.; ridge, 12 ft. 6 in. from ground. No. 3, 50x26 ft.; sides, 4 ft. 6 in.; ridge, 12 ft. 6 in. from ground. All new and close. The thermometer sometimes shows 10 degrees below zero. Steam heat. How many runs of 1¼-inch pipe to heat No. 1 to 60 degrees. How many runs of 1-inch pipe to heat No. 2 to 50 degrees, and how many runs of 1¼-inch pipe to heat No. 3 to 60 degrees will I require?—L. C. H.

—Use 12 1¼-inch pipes in houses Nos. 1 and 3 and 12 1-inch pipes in house No. 2.

L. R. TAFT.

I enclose rough sketch of greenhouses and residence. I wish to heat the greenhouses and residence with a 30-horse-power steam boiler. There are six rooms in residence, one 15x15 (8½ feet to ceiling); one 14 x 14; one 10 x 18 dining room; and one 10 x 18-foot kitchen, with two rooms upstairs, 14 x 14 and 15 x 15 feet. I have 2-inch pipe on hand. Can I use that for the main, running to residence? How many 1¼-inch pipes will it take to heat the greenhouses to 60 degrees, 20 below zero weather? Would it be a saving of fuel to convert steam boiler to hot water boiler, and could I warm the residence the distance I would have to send the hot water?

Please give me your idea of the best way to heat; size and amount of piping it will take for greenhouses?—THEO. SOUERS.

—The radiating surface required in residences is modified by the number and size of the windows and the amount of exposed wall surface in each room, and as this data is not furnished it is not possible to give definite answers regarding the amount of radiation required in the different rooms in the dwelling. To heat the rooms with steam, if they have only two sides exposed and only two windows of average size, 40 feet of radiation will be required in the room 15 by 15 feet; 36 feet will be needed in a 14 by 14 room, and about the same in the dining-room and kitchen. If there are three sides exposed to any of the rooms, an addition of six feet will be required; while a third window will make the addition of from eight to twelve feet of radiation desirable.

It may interest the readers of the EXCHANGE if a simple rule for determining the amount of steam radiation required for ordinary living rooms on the first floor of a dwelling is given, and if Inquirer will use it in figuring the radiation for his dwelling, it will probably give better results than the approximation given above. It is as follows: "Add one-half the area of the windows, one-twentieth the exposed wall surface and one two-hundredth of the cubic contents of the room." In a well-built house this should give a temperature of 70 degrees in zero weather. When the first floor and hall of a house is heated as above, a reduction of 50 per cent. can be made in the radiation needed for sleeping rooms on the second floor. Many persons would prefer to have the heat shut off entirely, except in severe weather.

If properly insulated a 2-inch main will answer for the dwelling. It can also be used for the return, although a 1½-inch pipe would answer. To heat a greenhouse 48 by 12 feet to 60 degrees will require six 1¼-inch pipes, while 10 will be desirable in the 50 by 20-foot house.

It is probable that a plant such as is described could be more cheaply heated with hot water than with steam, so far as cost of fuel is concerned; but the expense for the piping would be considerably more. Thus eight 2-inch mains would be needed in the 48 by 12 greenhouse and 13 2-inch in the 20-foot house. The dwelling also would require about twice the radiation suggested for steam.—L. R. T.



Insertion will be given in this column to all communications free from animus, but the opinions expressed do not necessarily reflect our own.

Convention Defects.

Editor Florists' Exchange.

I have been greatly delighted and edified by the various wise suggestions proffered by "Ivera" in one of your contemporaries recently, regarding certain defects that are likely to discover themselves at the coming Convention in New York unless that gentleman's advice be acted upon. One of his very best propositions is to have a competitive display of corsage and headdress adornments of flowers by the visiting ladies on the night of the president's reception. My wife is anxious to participate in this contest, and is desirous of knowing whether personal beauty and avoirdupois will also enter into the matter. She hails from Donegal, tips the scales at 250, and stands six feet one in her stockings. Her hair is auburn (some vulgar persons call it red); her nose takes a skyward turn, while her hazel eyes inwardly watch its elevating progress; her whole "physiog" is beautifully mottled with the most symmetrical freckles of russet brown, evenly distributed. Now, she wants to know whether she will be placed in the variegated class. She seems desirous, also, of cultivating "Ivera's" acquaintance, in order to obtain suggestions as to the kinds of flowers best suited to a complexion like hers.

She has been discussing the subject of judges, too, with another florist's wife, a neighbor. The latter favors ex-President Rudd; but my better half would prefer "Ivera." She is sure, from the learned manner in which he discourses on ribbon and other millinery, that he must be a "ladies' man," and feels certain she can throw the "comaither" over him—a conviction strengthened by his latest suggestion of a "crazy-quilt" decoration of the convention hall—in fact, she has already begun to practice the "nudge and wink," which she tells me it is necessary to be an adept at if one would win first prize at any kind of a florist's competition. With that acquisition, combined with her personal grace and beauty, and "Ivera's" directions as to the selection of flowers for her hair faithfully carried out, she fears not the outcome.

Like "Ivera," I sympathize with the retail trade in the treatment it receives at the hands both of the New York Florists' Club and the S. A. F. Why is it thus? Why repay the many efforts made by the retailers on behalf of both these associations with sneers and contempt? It is very plain that those in authority in these societies don't know their business, and am proud to think there is one man in America who can teach them. Unlike the bull frog that croaks because it cannot help it, "Ivera" never takes up his pen but what he writes something. There is only one way of salvation for each of these institutions—and that is, that "Ivera" be allowed to become dictator *de facto* by electing him president of each. Failing this, I grieve to think of the fate, not only of these bodies, but of the florist trade generally. Elect him, and, surely enough, "merit shall not be measured by ignorance."

MY WIFE'S MAN.

Michigan.

Exhibitions.

MORRIS COUNTY GARDENERS' AND FLORISTS' SOCIETY.—The schedule of classes has been issued for the fifth annual exhibition, to be held in the Assembly Rooms, November 7 and 8 next. Copies may be obtained from Secretary Chas. H. Atkins, Madison, N. J.

C. H. JOOSTEN

Offers at SPECIAL LOW CASH PRICE, for immediate delivery, BERMUDA LILIUM LONGIFLORUM, select bulbs, 5 to 7 and 7 to 9.

For prices, stating quantity wanted, address 85 DEY STREET, NEW YORK.

Mention the Florists' Exchange when writing.

Cincinnati.

Trade Is Quiet.

Business has been a little quiet the past week, but we have no reason to complain, as the month just ended has been very satisfactory. Asters now have full sway and are selling fairly well—funeral work, of course, taking most of the stock. Julius Baer made a blanket on August 2 and shipped it to Greencastle, Ind., to cover the remains of the late Dr. John Clark Ridpath, the historian.

An Outing.

Thursday afternoon the craft of this city was invited to the residence of Mr. and Mrs. John Lodder at Hamilton, O. We left Cincinnati at noon, in a hard rain, but nothing daunted, we were bound for Hamilton, with a party of 55 florists, their wives, children and sweethearts. Two hours' ride brought us to the residence and greenhouses, where we were met by Uncle John, his estimable wife, their sons and daughter. Then began a tour of inspection of the lawn and greenhouses. The bedding here is very beautiful, all in good taste, and was much admired. We have no such bedding in Cincinnati outside of the parks, and I am sure it was an object lesson for more than one of our party. The greenhouses have had their Summer overhauling, and are now ready to receive their occupants for the months to come. Liquid and solid refreshments were served bountifully and thoroughly enjoyed.

A business meeting was then called and preliminary arrangements made to put a handsome float in the trades' parade, September 20. After the meeting supper was served. Then President Wm. Murphy, in a few well-chosen remarks, extended a vote of thanks to the hosts, and called on E. G. Hill to address the meeting on his trip abroad. I would like to tell you all Mr. Hill said, as it was one of the most interesting addresses I ever heard the gentleman make; but you will have to wait until you get him in New York at the Convention, when I can assure you you will be highly entertained.

Cincinnati was not alone represented at Brother Lodder's, as Park Commissioner Balsey, of Detroit; J. B. Heiss and H. M. Altick, of Dayton, O.; J. R. Goldman and Mr. Adams, of Middletown, O.; and E. G. Hill, of Richmond, Ind., were present.

The next regular meeting of the Florists' Society will be held at the residence of Mr. and Mrs. J. A. Peterson, Thursday, August 9, and the September meeting at Mr. and Mrs. Julius Schuman's, Newport, Ky., September 6.

I most heartily endorse the article in the EXCHANGE of August 4, page 751, entitled "Commission Men and Growers." It is truth unadulterated, and I hope every grower will read it carefully, and act accordingly.—E. G. GILLETT.

Pittsburg.

Trade News.

The last few weeks very little has been doing outside of funeral work. There is sufficient stock for the present demand, but not a very choice quality. Asters are the principal flowers used, also the best as regard quality. Roses and carnations are poor; the present spell of hot weather will make them scarce. Sweet peas are also very poor. Gladiolus is plentiful and choice.

Jottings.

C. Blind and Britenbaugh Bros., both on the Allegheny side, are putting up more glass. Mr. Blind, who landed in New York from the old country about thirty-five years ago, will pay his first visit there since that time during the Convention of the S. A. F.

Walter Harvey, who has been confined to the West Pennsylvania Hospital for several months, will soon be about again, although not entirely cured.

Wm. Clark, of the Pittsburg Cutflower Co., was made happy about a week ago by the arrival of a bouncing boy in his household.

Mrs. E. C. Ludwig, who had an attack of the grip, has fully recovered.

J. Murchie, of Sharon, and A. Ringier, of Chicago, were in town during the past week.

Quite a severe hail storm passed just east of the city a few days ago, breaking glass in some buildings, but as there are few plant houses located in that vicinity not much harm was done to florists.

The Picnic.

The annual picnic of the Florists' Club was the most enjoyable one ever held. A fine day to begin with, a good attendance, and lots of sport. The base ball game between an Allegheny and a Pittsburg team was a "base," affair, for the Pittsburgers had, by all odds, the best team—some wonderful players among them—and won by a good score.

Convention News.

Final arrangements will be made for the trip to the Convention in New York, at the club meeting this week. The majority of the members will leave Thursday morning, August 16, on the Atlantic City excursion, spending a few days in the city-by-the-sea, and will reach Philadelphia on Sunday or Monday, getting to New York, Tuesday, in time for the opening of the Convention. Those who cannot leave so early will go Sunday or Monday direct to New York. Rate to Atlantic City and return, ticket good for 16 days, is $10. Rate from Philadelphia to New York about $4 the round trip. A ticket on the certificate plan, direct to New York, will cost a little over $15 for the round trip, but is limited to a few days before and after the Convention only. Our party will likely consist of about three dozen.

E. C. REINEMAN.

Rochester, N. Y.

Business has been very light the past week; a moderate amount of funeral work being about all that is doing. Carnations are almost out of the market; the supply small, flowers smaller and price $5 per 1,000. The leading stores have some really fine roses in stock, the output of noted growers; but the bulk of the offerings are of the usual midsummer quality.

The abundant rains of July have brought on outdoor flowers in full supply. Sweet peas are still of good quality from many early plantings, and nice peas can be had at $1 per 1,000 stems. They are sold by the Greek and some of the stores at 5c. per bunch of 25 stems.

The "gladiolus man" is again in evidence with "gladiolus, 10c. a bunch." The retailers' sales of this flower are generally light. Possibly, if the varieties were not so much of the cheap mixture kind, the sales might improve. White asters occupy the largest space in the stores at present. A good quality of Queen of the Market is now selling at $5 per 1,000, and is still the main supply, although Daybreak and Comet are beginning to appear in quantity. There is a lack of delicate colors in the early asters. A Queen of the Market, with the color of Daybreak, would be very useful. A limited supply of fine Comet asters, that came in with the first Queen of the Market easily, brought $1.50 and $2 per 100.

Much curiosity has been aroused by the announcement of a projected clambake. The exact date cannot yet be given; but the affair will surely take place this month. The committee is in constant communication with Far Rockaway.

G. A., Jr.

Horticulturist F. A. Waugh of the Vermont Agricultural College has been investigating plum culture in Caroline county and thinks the outlook for profitable cultivation of the plum very good.

DREER'S SPECIAL OFFER OF PALMS AND ARAUCARIAS



KENTIA BELMOREANA.

ARECA LUTESCENS.

A fine, clean, thrifty lot of this popular graceful variety.

			Doz.	100
2¼ in. pots,	1 plant in a pot,	8 to 8 in. high,	$1.00	$6.00
3 "	2 plants " "	10 to 12 "	1.25	10.00
4 "	3 " " "	12 to 15 "	3.00	25.00
6 "	3 " " "	24 "	12.00	100.00

KENTIA BELMOREANA.

Inch pots.	No. of Leaves.	Height.	Per doz.	Per 100	Per 1000
2¼	3 to 4	8 in.	$1.50	$12.00	$100.00
3	4 to 5	10 to 12 "	3.00	25.00	200.00
4	5 to 6	15 "	4.50	35.00	
5	5 to 6	18 " light	7.50	60.00	
			Each.	Dozen.	
6	6	24 "	$1 25	$15.00	
6	6 to 7	26 to 28 "	1.50	18.00	
6	6 to 7	28 to 30 "	2.00	24.00	

KENTIA FORSTERIANA.

Inch pots.	No. of Leaves.	Height.	Per doz.	Per 100	Per 1000
2¼	3	8 in.	$1 50	$12.00	$100.00
3	3 to 4	12 "	2.50	20.00	180.00
4	4 to 5	15.00	4.50	35.00	
			Each.	Doz.	
6	5	24 to 28 "	$1.00	$12.00	
6	5 to 6	30 "	1,25	15.00	
6	6	28 to 32 "	1.50	18 00	
6	6 to 7	30 to 36 "	2.00	24 00	
7	8	36 to 42 "	2.50	30.00	

COCOS WEDDELIANA.

Indispensable in filling Fern Dishes, Jardinieres, or for decorative purposes where a specially graceful plant is required.

	Per doz.	Per 100
2¼ in. pots, 4 to 5 ins. high,	$1.25	$10.00
3 " 8 to 10 "	2 00	15.00

5 in. pots, 4 plants in pot, 18 ins. high, 75 cents each; $9.00 per dozen.

COCOS PLUMOSUS.

2½ inch pots.....$1.00 per doz.; $8 00 per 100
3 " .... 1.25 " 10.00 "

ARECA BAUERI.

5 inch pots, 2 plants in a pot, 18 inches high, 75 cents each; $7.50 per dozen.

CALAMUS INTERMEDIUS.

A pretty decorative species, with dark green foliage, the stems of which are clothed with long dark spines. 5 inch pots, 15 inches high, $1.00 each.

CARYOTA URENS (Fish-Tail Palm).

2¼ inch pots.....$1.00 per doz.; $8.00 per 100
3 " ..... 1.25 " 10.00 "
4 " ..... 2.50 " 20.00 "

CARYOTA SOBOLIFERA.

2¼ inch pots, $1.00 per doz., $8.00 per 100; 3 inch pots, $1.25 per doz., $10.00 per 100.

LATANIA BORBONICA.

Inch pots.	No. of Leaves.	Height.	Per doz.	Per 100	Per 1000
2¼	3		$0.60	$5.00	$40.00
3	4 to 5		1.00	8.00	75 00
4	4 to 5	12 to 15 in.	2.50	20.00	

6 inch pots, 5 to 8 leaves, 15 inches high, $6.00 per doz., $50.00 per 100.

LIVISTONA ROTUNDIFOLIA.

2 inch pots.....$1.25 per doz.; $8.00 per 100
3 " ..... 2.00 " 15.00 "

PHOENIX RUPICOLA.

This variety is always scarce; we offer a limited lot of finely-developed plants.

2 inch pots.....$1.00 per doz.; $8.00 per 100
3 " ..... 1.25 " 10.00 "
4 " ..... 3.50 " 25.00 "

Finely characterized specimens as below:

6 inch pots, 18 inches high .....$1.50 each
8 " 24 to 26 " ..... 2.50 "
9 " 30 " ..... 3.50 "

PHOENIX RECLINATA.

2 inch pots.....$0.75 per doz.; $6.00 per 100
3 " ..... 1.00 " 8.00 "
4 " ..... 3.00 " 25.00 "

ARAUCARIA EXCELSA (Norfolk Island Pine).

Our stock of these is exceptionally large, especially in small and medium sizes, for which there is always a strong demand.

4 inch pots,	6 to 8 inches high,	2 to 3 tiers,	$0.50 each		
4 "	8 "	3 "	.60 "		
6 "	12 to 14 "	3 "	1 00 "		
6 "	16 to 18 "	4 "	1.25 "		
7 "	20 to 24 "	4 to 5 "	2.50 "		

PANDANUS VEITCHI.

6 inch pots, 15 to 18 inches high.....$1.00 each

Large Decorative Plants of Kentias.

WE have a large stock of Belmoreana and Forsteriana in both single and made up plants, the most of them growing in light wooden tubs, 12, 15 and 18 inches in diameter, which can be supplied in excellent value at $7.50, $10.00, $12.50, $15.00, $20.00, $25.00, $30.00, $35.00 and $50.00 each.

The smaller sizes, from $7.50 to $20.00, are somewhat damaged in the foliage, but for decorative purposes they are the best value we ever offered.

For a Complete List of Palms, Ferns and other Seasonable Stock, see our current Wholesale Catalogue.

INVITATION. Florists attending the Convention in New York are cordially invited to visit our establishment at RIVERTON, N. J. Our representatives will be found in Convention Hall, and will gladly give information as to best way to reach Riverton.

HENRY A. DREER, 714 CHESTNUT STREET, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

BOSTON FERN—A Specialty

L. H. FOSTER, 45 KING STREET, Dorchester, Mass.

Mention the Florists' Exchange when writing.

BOSTON FERNS

Now ready. $5.00 per 100.

H. L. CAMERON, No Cambridge, Mass.

Mention the Florists' Exchange when writing.

Asparagus Sprengeri Strong, 2½ in., $3.00; 3 in., $4.00 per 100. **Plumosus N.**, extra strong, 2½ in., $5.00 per 100. **Violets**, Marie Louise, healthiest stock in the country, fine clumps, ready for immediate delivery, $3.00 per 100; $30.00 per 1000. Cash. WM. S. HERZOG, Morris Plains, N.J.

Mention the Florists' Exchange when writing.

CRYPTOMERIA JAPONICA JAPAN CEDAR.

THE NOVELTY DECORATIVE PINE.

Everybody wants it. There is money in it. Strong plants, from 2 inch pots, $5.00 per 100, or 20 for $1.00, by express. **SMILAX**, from 2 in. pots, $1.25 per 100.

SATISFACTION GUARANTEED.

E. I. RAWLINGS, Quakertown, Pa.

Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.

1730 CAMBRIDGE ST.

Mention the Florists' Exchange when writing.

BOSTON FERNS

Out of 10 inch pans.....$1.50 each.
Out of 8 inch pans.....75 cts. to 1.00 each.
Out of 4 inch pots.....$25.00 per 100.

PTERIS CRETICA ALBO LINEATA

From 2½ inch pots, $3.00 per 100; Cash with order. $25.00 per 1000.

PETER DENYSE, JR., BROOKLYN, N. Y.

79th Street and 6th Avenue.

Mention the Florists' Exchange when writing.

Adiantum Cuneatum

2½ in. pots, $4 per 100; 3½ in. pots, $6 per 100; 3½ in. pots, large plants, $10 per 100; selected plants, 3½ in. pots, $12 per 100.

Asparagus Sprengeri

2½ in. pots, $4 per 100; $30 per 1000.
3 in. pots, $5 per 100.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

FERNS Our Specialty.

A Grand Stock of **MAIDEN HAIR FERNS**, in 4 in., ready for 5 in. pots..	$8.00	$75.00
Full-grown plants, in 2½ in., ready for a shift	3.50	30.00
Fine lot of **ASSORTED FERNS** for **Jardinieres**, all the best varieties, in 2½ inch pots	4.00	35.00
Asparagus Sprengeri, 5 in. pots	15.00	
Gardenia Florida, strong, healthy plants, 5 in. pots	15.00	
Gardenia Florida, 2½ in. pots, extra strong	4.00	

Money returned if not satisfactory.
TERMS CASH OR C. O. D.

ANDERSON & CHRISTENSEN, SHORT HILLS, N. J.

Mention the Florists' Exchange when writing.

"STUDER OFFERS"

Young healthy stock of the following decoration plants, fit for 4 and 5 inch pots, to grow on for next winter's use.

Palms, Arecas, Latanias, Phœnix, Cocos Weddelliana, Coryphas, 10, 12 and 15 cts. each.

Pandanus Utilis, Dracænas Fragrans, Terminalis, Massangeana, Lindeni, 10, 15 and 20 cts. each.

Antirrhinums, Marantas, Alocasia, Dieffenbachia, 10 and 15 cts.

Ferns: Bostoniensis, Washingtoniensis, Exaltata, Lomaria Gibba, 10, 15 and 20 cts.

Smaller plants of above and such as used for fern dishes: **Carex Japonica, Selaginellas, Sunset Ferns, Asthericums, Marantas Zebrina, Fittonias, Cyperus, Begonias, etc.**, 3 to 5 c.

20,000 Large Palms, Ferns, including **Davallioides, Furcans, Pandanus**, etc., from 6, 7, 8 and 9 inch pots, for 75 cts. to $3.00 each.

Ficus, from 4 inch pots, fit for 6 inch, 25 cts. each.

Stock in excellent condition, and on exhibition at the S. A. F. Convention in New York, and in the Nursery here. 10 per cent. discount for cash with order.

N. STUDER, Harrison Street, Anacostia, D. C.

Mention the Florists' Exchange when writing.

JOSEPH HEACOCK,

WYNCOTE, PA.

GROWER OF

ARECA LUTESCENS,
KENTIA BELMOREANA,
and KENTIA FOSTERIANA.

Mention the Florists' Exchange when writing.

Asparagus Plumosus Nanus

Transplanted seedling plants, for July and August delivery, ready for 2½ inch pots, at $3.00 per 100; $25.00 per 1000; 500 at thousand rates. Express prepaid.

Cash with Order, Please.

R. ASMUS, - New Durham, N. J.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR JAPANESE FERN BALLS

Many thousand sold last season. Now is the time to place importation orders. Write for special prices for December delivery.

JAMES VICK'S SONS,

ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

FINE PALMS.

Kentia Belmoreana and Forsteriana—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, from $2.50 upwards.
Phœnix reclinata, 4 in. pots, $20 per 100; 5 in. pots, $40 per 100; 6 in. pots, 35c. each; 7 in. pots, $1.25 each; specimen plants, $2.00 upwards.
Areca Lutescens, 3 in., $15 per 100; 4 in., $25 per 100.
Latania Borbonica, 4 in., $20 per 100.

JOHN BADER, Troy Hill, Allegheny, Pa.

L. D. TELEPHONE 872A.

Mention the Florists' Exchange when writing.



PALMS

AND OTHER

DECORATIVE PLANTS

At Greatly Reduced Prices.

Stock large and in fine condition.
Send for new Wholesale list.
Special prices on large orders.
Send in list of your wants.

W. J. HESSER, Plattsmouth, Neb.

Mention the Florists' Exchange when writing.

Asparagus Plumosus Nanus Fine young plants, $5.00 per 100.

Begonia Rex Strong, 3 in. pot plants, in good assortment, $6.00 per 100.

Cyperus Alternifolius 2½ inch pots, $3.00 per 100.

Cyclamen Dry Bulbs, finest strain mixed, $6.00 per 100.

Carex Japonica Variegata An excellent decorative grass. Extra strong plants, from 2½ in. pots, $5.00 per 100,

Nephrolepis Corditolia 2½ in. pots, $3.00 per 100.

Smilax Field-grown, strong clumps, $3.00 per 100; Extra heavy, $5.00 per 100.

NATHAN SMITH & SON,

ADRIAN, MICH.

Mention the Florists' Exchange when writing.

ASSORTED FERNS

$10.00 per 1000.

BOSTON FERNS $5.00 per 100; $40.00 per 1000. Larger plants, $10.00, $20.00 and $80.00 per 100.
ARECA LUTESCENS Extra large plants, from $1.50 to $4.00 each.
KENTIA BELMOREANA Ready for pots, $2.00 per 100; $18.00 per 1000.
PANDANUS VEITCHII 2 inch pots, $6.00 per 100.
PANDANUS UTILIS Fine, large plants, in 8 inch pots, $2.00 each. In 8 inch pots, $1.50 each.

Just 40 minutes' ride from S. A. F. Convention Hall.

JOHN SCOTT, Keap Street Greenhouses, Brooklyn, N. Y.

TELEPHONE, No. 1207 WILLIAMSBURGH.

Mention this paper.

ACALYPHA SANDERI 2½ inch, $8.00 per 100.

CRIMSON RAMBLER ROSES We will have a fine lot of field plants for winter forcing. Orders taken now

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

BOSTON FERNS Largest and finest stock in the country. 2 in. pots, $5.00 per 100; $40.00 per 1000. Fine plants from bench, $2.50 per doz.; $20 per 100; all sizes of pot plants from 6 in. up. Prices on application.

ASPARAGUS PLUMOSUS NANUS Fine strings, 10 to 12 ft. long, 50c. each, in any quantity. Extra strong plants in 2 in. pots, $5.00 per 100; $40.00 per 1000. **Asparagus Sprengeri**, 2 in. pots, $4.00 per 100.

FRESH FERN SPORES Mixed varieties. Package sufficient for 3000 to 5000 ferns, $1.00, postpaid.

EMERSON C. McFADDEN, United States Exotic Nurseries,

Telephone, 10 B Short Hills. SHORT HILLS, N. J.

Mention the Florists' Exchange when writing.

ASPARAGUS PLUMOSA

STRONG PLANTS, IN GOOD CONDITION

2 in pots, $5.00 per 100; $45.00 per 1000
3 in pots, $8.00 per 100; $70.00 per 1000.
CASH WITH ORDER.

C. W. COX,

2nd and Bristol Streets, PHILADELPHIA.

Mention the Florists' Exchange when writing.

ASSORTED FERNS IN FLATS

Ready for potting, $2.00 per flat.

If you are in the market for FERNS, this is the most advantageous way to buy in a stock at a little cost. Each flat contains 110 clumps of small plants, which can be divided in 3 to 5 plants, according as you wish them.

BOSTON FERNS, ready for 3 in. pots, $6.00 per 100; ready for 4 in. pots, $15.00 per 100; for 5 and 6 in. pots, $20.00 and $25.00 per 100; extra fine plants, in 5 and 6 in. pots, now ready for a shift into pans or pots, $35.00 per 100; $4.50 per doz. This is exceptionally good value.
ASPARAGUS PLUMOSUS NANUS, 3 in. pots, extra fine, $8.00 per 100.
" **SPRENGERI**, 3 in. pots, $6.00 per 100.
KENTIA BELMOREANA, 2½ in. pots, $10.00 per 100; 4 in. pots, $40.00 per 100.
" " **FORSTERIANA**, 6-7 in. pots, $1.50, $1.75, $2.00, $2.50, $3.00, up to $5.00 each

BOBBINK & ATKINS, Rutherford, N. J.

Mention the Florists' Exchange when writing.

WALTER RETZER & Co.

WHOLESALE
PALM GROWERS

2045-59 CLARENDON AVE. (N. Halsted St.) CHICAGO, ILL.

WRITE TO US FOR PRICES BEFORE BUYING ELSEWHERE.

WHEN AT THE CONVENTION

Do not fail to see the exhibit of our new fern

Nephrolepis Wittboldii

Then if it strikes your fancy, do not fail to procure some of the first stock, for which we will book orders

THE GEORGE WITTBOLD CO.,
1657 Buckingham Pl., Chicago.

Mention the Florists' Exchange when writing.

A Few Good Things You Want

KENTIA BELMOREANA and **FORSTERIANA**, 2½ in., 10c.; 3 in., 18c.; 4 in., 35c.; 5 in., 50c. each.
ARECA LUTESCENS, 3 in., 3 plants to pot, 18c.; 4 in., 25c. each. All cool grown, nice clean stock, and cannot be duplicated anywhere for the money.
ROSE BRIDESMAID, 3 in., $5.00 per 100.
SWORD FERN, Nephrolepis Cordata Compacta, 2½ in., $3.00 per 100.
SMILAX, 2 in., $2.00 per 100.
REX BEGONIA, finest varieties, 2½ in., $4.00; 3 in., $6.00 per 100.
GERANIUMS, double and single, Grant, Mme. Bruant, Mrs. E. G. Hill, Poitevine, Bonnat and S. A. Nutt, 3 in., $5.00 per 100.
CAMPBELL VIOLET and **VINCA VAR.**, 2½ in., $3.00 per 100.
PRIMULA CHINENSIS, 2 inch, $3.00; 3 inch, $4.00 per 100.
CINERARIA, 2 inch, $2.00; 3 inch, $4.00 per 100.
CYCLAMEN GIGANTEUM, 2½ inch, $4.00; 3 inch, $8.00 per 100.
ASPARAGUS Sprengeri and **Plumosus**, 2 in., $5.00; 3 in., $8.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

BOSTON FERNS

N. Exaltata Bostoniensis.

Small plants, $5.00 per 100 or $40.00 per 1000; large plants, $6.00 to $50.00 per 100; taken from the bench.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 in. pots, $3.00 and $4.00 per doz.
Asparagus Plumosus, 2½ in. pots, $5.00 to $6.00 per 100; 3½ in. pots, $12.00 per 100.
Asparagus Sprengeri, 2½ in. pots, $5.00 to $6.00 per 100.
Araucaria Excelsa, 14 to 16 ins. high, 4 to 5 tiers, 6 in. pots, $1.00 and $1.25 each; 20 to 24 ins. high, 5 to 6 tiers, 8 in. pots, $1.50 each; larger size, $2.00 and $2.50 each.
Rubber Plants, 12 to 15 ins. high, $4.00 per doz., and 20 to 24 ins. high, $6.00 per doz.
Chinese Primroses, 2½ inch pots, $3.50 per 100.

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. **Connected with Telephone.**

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

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To foreign countries in postal union $2.00.
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The publishers can supply binders which will hold the papers for one complete volume, keeping them in perfect order for ready reference. Price, postpaid, $1.00.

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Special positions extra.
No advertisement less than 75 cents.
Discounts on continuous advertising.
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Copy must reach this office not later than Thursday in order to secure insertion in issue of the following Saturday.
Orders from unknown parties must be accompanied by cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

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The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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The Merry War.

Speaking of expositions and other outside attractions and the injury therefrom—Isn't it funny? When we had the World's Columbian Exposition in Chicago, we were told that the Exposition would injure the attendance at the Convention if it was held in the same city, and Chicago *could not* have the Convention because she had an exposition in progress!

Now we are told that Buffalo *must* have the Convention because she will have an exposition in progress. Great Scott! What a difference it does make whose ox is gored.

This subject naturally leads up to our facetious friend, Rawson. Confidentially, it is my firm belief, that if the Convention is held in Buffalo, we shall not get him to attend a session unless we hold them in the Midway. By the way, did anyone see Rawson at Detroit, or at Omaha? And there was an exposition at Omaha, too.

W. N. RUDD.

PHOTOGRAPHIC CONTEST.

AWARDS IN JULY COMPETITION.

First Prize.—Rudolph Windt, St. Louis, Mo., for view of bed in Forest Park.

Honorable Mention.—Rudolph Windt, for another view of same bed at greater distance; Frank Hamilton, New York, view of Harlem Mere; Central Park; H. Beaulieu, Woodhaven, N. Y.

The judging was done by Mr. F. J. M. Gerland, President of the Central Bureau of Engraving, New York, who unhesitatingly awarded first prize as above.

Description of First Prize Picture Photograph.

This picture was taken on a plate 3½x4½ inches, and is only slightly reduced in the reproduction shown herewith. It is very clear cut, and distinct as to detail, very evenly focussed, and shows care and judgment in selection of point of view and choice of time.

Mr. Windt furnishes the following particulars regarding the picture: The plants represented include a Latania borbonica, Asparagus Sprengeri, alternanthera, achyranthes, and Echeveria secunda glauca. The group was distant from the camera 15 feet, the camera facing the north-east. The photograph was taken at 4:30 p. m., in sunshine, the largest stop being used. An exposure of 1-25 second was given.

A second view of the same object, taken at a greater distance, is also very good; but is so placed on the plate as to show insufficient sky and too much foreground, thereby lessening the general effect.

The view of Harlem Mere, Central Park, 8¼x6¼ inches, submitted by Mr. Frank Hamilton, is a very beautiful picture, and the photographer is to be commended for the selection of his subject. It is, however, technically deficient; was evidently taken during a strong wind, and the effect of which has not been overcome.

M. A. Patten, Tewksbury, Mass., submitted a view of greenhouses taken from a church belfry. A large area has been included in a small picture, 6x3½ inches, but the detail was to a great extent lost, so that there is not sufficient sharpness in the photograph.

Crimson Rambler is the subject chosen by H. Beaulieu, Woodhaven, N. Y. The photograph is a large one, 6x8 inches, taken at very short distance; it is a splendid piece of work for the most part, but the top and left side have been allowed to get out of focus.

Mr. Frank Hamilton, New York, also submitted a view showing specimen catalpas growing in Morningside Park, New York.

Mrs. T. Gould sent one photograph of the Ivy-leaved geranium l'Elegante, growing about a window, and one of a large plant of Iberis Gibraltrica, both views taken on her place at Ventura, Cal

Society of American Florists.

"DEAR SIR:

"Enclosed please find $3.00 for S. A. F. dues. I wish to profit by experience gained at Detroit and save valuable time, as I think there will be a grand rush at New York on the first day of the Convention."

The writer of the above is one of a large number of wise men who are paying initiation or dues and securing their badges in advance. Why do you not do likewise? Do it now and insure your own comfort on the opening day. If you paid dues for 1899, send $3.00; if you did not pay dues for 1899, send $5.00, and certificate with badge will be sent by return mail.

W. J. STEWART, Secretary,
67 Bromfield Street, Boston, MASS.

A Handy Guide to New York, Free.

We have had prepared, and will present to every delegate to the S. A. F. Convention who makes application for same at our stand in the Exhibition Hall, a colored map of Greater New York and suburbs, containing also a reference list of railroad depots, ferries, steamships, hotels, places of amusement, etc., etc.

This very handy guide will be of service, we feel assured, to all strangers "within our gates," enabling them to find their way around New York, Brooklyn, and nearby points in New Jersey and Long Island with ease and comfort.

The "Daily" Florists' Exchange.

The publishers of the FLORISTS' EXCHANGE will issue a daily edition of that paper every morning from Tuesday to Friday, August 21 to 24, inclusive. This will be the first daily florists' trade paper ever published, and, while necessarily short-lived, will, we trust, be none the less remarkable.

As the material contained therein will relate more or less closely to Convention matters and the doings of the delegates, during the week, we herewith solicit the good offices of our friends, asking them to keep us informed as to such news of public and personal interest as may come under their notice. Our exhibit in the main hall of the Grand Central Palace will be headquarters, where all news notes and items intended for publication may be left up to 10 p. m. each day.

Delegates desiring to meet friends or make business engagements can do so through these columns, free.

Will be pleased to have delegates notify us now as to the names of those in their family or immediate party, coming to New York for the Convention, and name of hotel at which they will stop.

Chicago to New York.

The committee wishes to state that by whatever railroad a florist travels to New York he must leave New York (on returning) on or before August 28, in order to secure the reduced rate.

G. A. GRANT,
W. N. RUDD,
WALTER KREITLING,
Transportation Committee,
Chicago Florists' Club.

Firms Who Are Building.

RHINEBECK, N. Y.—Charles Ferde is building a violet house.

SHAMOKIN, PA.—Hugh Campbell is erecting two greenhouses here.

CROMWELL, CONN.—A. N. Pierson is building two more greenhouses.

NEWINGTON, CONN.—Newel C. Osborn is building a new greenhouse and windmill.

PHILADELPHIA.—Hugh Graham will erect a greenhouse, 135 x 60 feet, on Old York road.

WATERTOWN, CONN.—Merritt Heminway is having an addition built to his greenhouse.

ROCHESTER, N. Y.—R. H. Pringle, of Plymouth Avenue, is about to begin the erection of two houses, one of 100 feet and one of 75 feet.

MINNEAPOLIS, MINN.—John Monson will begin work immediately on five greenhouse buildings, each 16 x 150 feet; also one 30 x 100 feet; a two-story office warehouse and boiler room, at 1612 West 36th street.

GRAND RAPIDS.—Most everybody is building. Cross has built two more violet houses; Crabb & Hunter have also added two violet houses and rebuilt three small houses into one large rose house. The firm now have nine violet houses alone. Mulle Bros. have rebuilt two small houses into one; Henry Smith one new violet house, and is rebuilding several small houses into a large one, and overhauling his extensive shed front, so as to get more light. Freyling & Mendall's are building one rose house; the Grand Rapids Floral, two large carnation houses (they certainly have some fine stock to put in them). Hill & Pohlmann three violet houses; James Scholes a large house for mixed stock, and Chas. Chadwick is trying to imitate Chicago by building one of those little additions, about 45,000 square feet of glass. His houses are 235 x 35 feet, a very convenient size for working.

G. F. C.

A four-page illustrated supplement, showing views of some of the most interesting places in and around New York, will be issued with next week's number of the FLORISTS' EXCHANGE.

New York.

Market Notes.

We have to record another very dull week in the flower business. The weather continues extremely hot, and perhaps this has something to do with the poor demand.

The street vendors can do but little business under present weather conditions, and this makes it bad for the bulk of the cheaper kinds of flowers, as they have to reach the public through this channel, as a rule.

Roses are increasing in supply considerably, and are showing up in better form than they were. Short Beauty are to be had in quantity, but the long-stemmed flowers are still very scarce, and when obtainable they realize $3 per dozen. Mme. C. Testout is certainly the finest pink rose coming in just now; there are not enough of them arriving to crowd the market, and they bring good figures, 6c. and 8c. each.

The supply of lily of the valley has diminished materially, and $3 per 100 has been the ruling price. Carnations also are not so plentiful, and values have been more steady than for some time past.

Asters are plentiful. Some fine pink Semples have begun to arrive; these, when selected, have brought $1 per 100; other smaller varieties go at from 30c. and upwards per 100.

Speciosum lilies and gladiolus are principal features, and the retailers make liberal use of them in window displays.

Among the retail stores business is very quiet.

C. Thorley will open his Fifth avenue store in the early Fall. It is on the corner of the Lorraine apartment building, at the south-east corner of 45th street and Fifth avenue.

Jottings.

S. J. Limprecht, 119 West 30th street, will, on the 1st of September, add a wholesale commission flower business to his already established trade in cut palms and Southern greens.

Young & Nugent, wholesale florists, at 42 West 28th street, are receiving very fine Bridesmaid roses daily from the Peter Crowe Co., Utica, N. Y.

Several prizes have been offered for the Ladies' bowling match to be held during the Convention.

In the mention of the Central Park greenhouses last week, the name of the superintendent should have read N. J. Rose, instead of N. J. Morse.

The committee of Brooklynites that are formulating the plans for giving the lady members of the S. A. F. a carriage ride on that side of the river, during the Convention, have about completed their arrangements, and a grand time is assured to all the visiting ladies who take part in this excursion.

The carriage drive includes the principal portions of Greenwood Cemetery and Prospect Park. At the latter place a luncheon will be given in the Shelter, and sweet music will be discoursed while the luncheon is being served. The Park authorities are doing all they can to make the visit of the delegates a memorable one. Specially designed flower beds have been already planted, and a large raised mound, that will bear suitable inscriptions, done in plants, is in course of preparation, directly opposite the Shelter, where it will be in full view of the ladies while they are seated at lunch.

Henry Hurrell, of Lager & Hurrell, orchid growers, Summit, N. J., leaves today, (Saturday) for a month's visit in England, sailing on the S. S. Campania.

The regular monthly meeting of the New York Florists' Club will be held on Monday evening, August 13, in the rooms corner 27th street and Broadway. A large attendance is desired, as all Convention matters will be finally settled. The bowlers will meet at the alleys in the afternoon of the same day.

Visitors this week included Walter Mott and D. D. L. Farson, of Philadelphia, Pa.

OSWEGO, N. Y.—Patrick Campbell, of New York, has purchased Delos Northrup's greenhouse establishment at Syracuse avenue and East Fourth street. Mr. Campbell learned the business of florist with Mr. Northrup's father many years ago. He has lived in New York for some time, but will now make this city his home, and will conduct the florists' business here.

Providence, R. I.

Market Quiet.

Seldom indeed has trade been so quiet among the florists in this vicinity as now. An occasional funeral order constitutes the extent of business done, and nothing remarkable in that. There is plenty of most all kinds of stock for the demand. Asters are abundant. There is a shortage of roses and no auratum lilies. Gladioli and other outdoor stock is seen in the stores but find little sale. Sweet peas hold their own. Prices average 50c. per 100. Choice asters bring $1.50 a 100.

The growers are busy repairing and putting houses in shape for Fall. Violets are looking remarkably well in the houses, but violets are a treacherous crop here, and there is no telling what may happen to them. Carnations have suffered outdoors for lack of rain, and many will have to buy stock to fill their houses. There seems to be a diversity of opinion about growing these plants indoors in Summer, but I find many who have done so with good results.

N. D. Pierce, of Norwood, is our largest grower of asters, and with his improved appliances for irrigation he is enabled to produce some very fine flowers. His asters find a ready sale. He has a contract to supply the River Steamboat Company with several thousand blooms two to three times a week, which are presented to the lady patrons.

Walter S. Hogg, one of the few remaining early settler florists in this city, retired from business August 1. The business will be continued by T. R. Peterson, who had been in Mr. Hogg's employ for the past 20 years. The establishment will be known as "The Hogg Greenhouses." Mr. Peterson has a thorough knowiege of the business, having mastered its many branches under the guidance of Mr. Hogg, and we wish him every success in his new undertaking.

Walter Mott, of Philadelphia, was in town last week.

The many friends of Edwin Lonsdale sympathize with him in his recent bereavement.

Everyone is talking convention, and it looks as if Providence will be well represented this year. It certainly should be so, for the rates to New York are low enough—$1 round trip.

Miss Sellew is expected home from her vacation, to take charge of the store while T. J. Johnston attends the convention.

T. L. O'Connor is enjoying his vacation on a yachting cruise, and Thomas Canning is spending a few weeks at Block Island.—A. M.

EVERY :: :: DAY DURING S.A.F. CONVENTION

THE FLORISTS' EXCHANGE WILL PUBLISH SPECIAL DAILY MORNING EDITIONS

Tuesday, AUG. 21.

Wednesday, AUG. 22.

Thursday, AUG. 23.

Friday, AUG. 24.

Each issue will contain an account of the Convention proceedings and the news items and happenings of the previous day, together with all other and sundry special matters of interest to delegates. Copies of the daily editions will be on hand at Convention Hall on the morning of each day issued, and will be distributed free to all attending the Convention, thus giving the advertising matter therein contained a circulation among none but interested parties, many of whom will begin placing their Fall orders while in the city, or soon after returning home. The advertising value of these daily issues, reaching the right parties at the right time, should be clearly evident. Don't allow the opportunity to escape you of advertising in this, the first Florists' Daily Morning Trade Paper. The low price of **$1.00 per inch net, covers and includes all four editions. One-quarter page, $10.00; One-half page, $20.00; Full page, $40.00.** Preferred positions, 25 per cent. extra. None of the regular weekly advertising will appear in the daily editions unless so ordered.

Engage your space now and mail your copy as soon thereafter as possible.

THE FLORISTS' EXCHANGE,

P. O. Box 1697. 2 to 8 DUANE ST., NEW YORK.

A set of all four Daily Issues will be mailed to out-of-town addresses on receipt of 10 cents, to cover postage.

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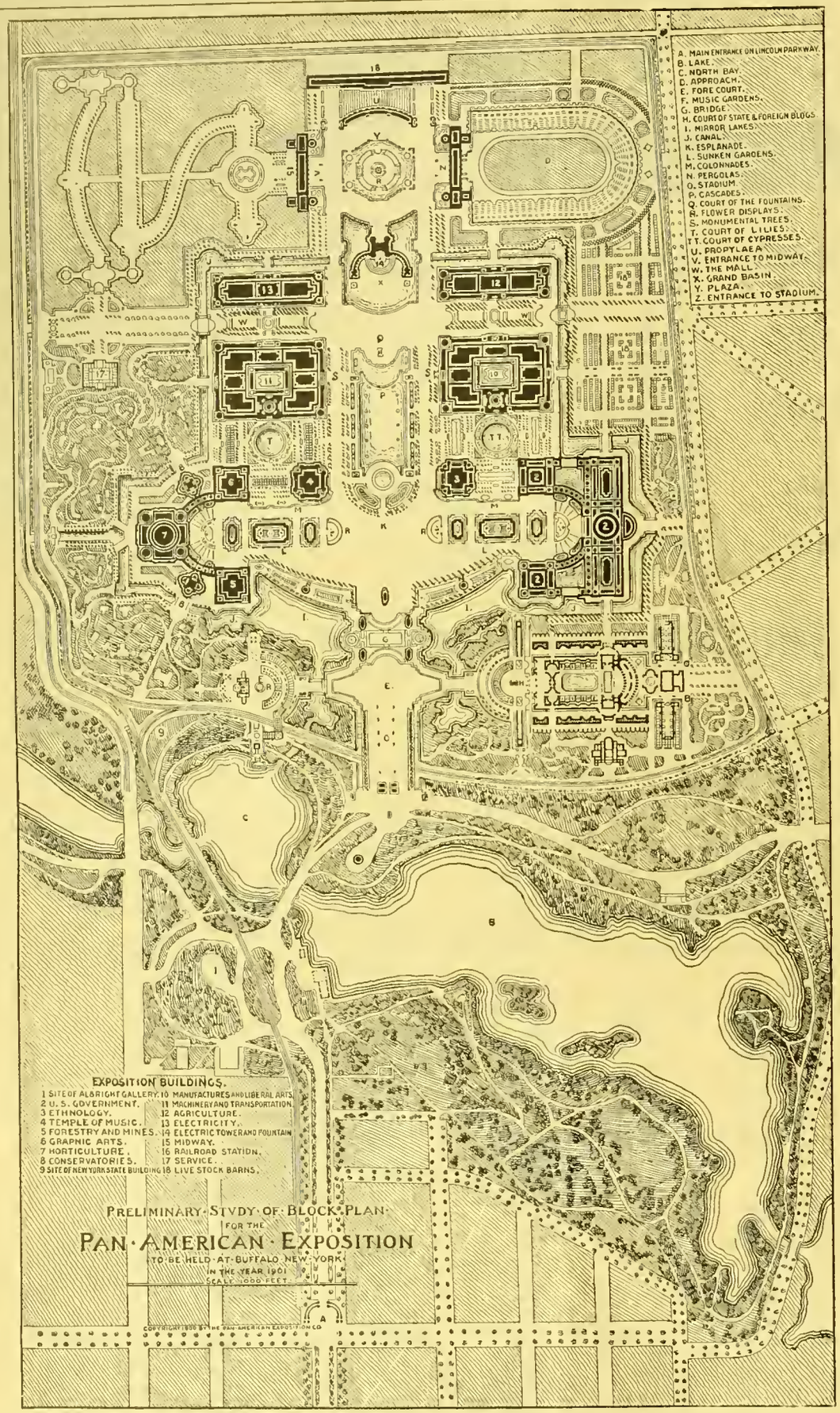
SAVOY, 59th St. and 5th Ave.		$2.00 up	1 mile.
NETHERLAND, 59th St. and 5th Ave.		2.00 "	1 "
METROPOLE, B'dway and 42d St.		1.00 "	¼ "
ST. CLOUD, B'dway and 42d St.		1.50 "	¼ "
MANHATTAN, Madison Ave. and 42d St.		2.00 "	⅓ "
MARLBOROUGH, B'dway and 37th St.		1.50 "	⅓ "
MURRAY HILL, Park Ave. and 40th St.	4.00	1.50 "	⅓ "
GRAND UNION, Park Ave. and 42d St		1.00 "	near
IMPERIAL, B'dway and 32d St.		1.50 "	¾ "
GRAND, B'dway and 31st St.		1.50 "	¾ "
STURTEVANT, B'dway and 28th St.	2.50		⅞ "
MAY'S, 50 W. 28th St.		1.50 "	⅞ "
VICTORIA, 5th Ave. and 27th St.		1.50 "	⅞ "
ASHLAND, 4th Ave. and 25th St.		1.00 "	¾ "
FIFTH AVENUE, B'dway and 23d St.	5 00 up		1 "
CONTINENTAL, B'dway and 20th St.		1 00 "	1⅛ "
UNION SQUARE, Union Square and 15th St.		1 00 "	1⅛ "
EVERETT, Union Square and 17th St.		1.50 "	1⅛ "
ST. DENIS, B'dway and 11th St.		1.00 "	1⅝ "
BROADWAY CENTRAL, B'dway, opp. Bond	2.50 up	1.00 "	2 "
COSMOPOLITAN, West B'dway and Chambers		1.00 "	3 "
ASTOR HOUSE, B'dway, opp. Post-office		1.00 "	3 "
HOLLAND HOUSE, Fifth Ave. and 30th St.		2.00 "	¾ "
WESTMINSTER, Irving Place and 16th St.	3 00 up	1.00 "	¾ "
PLAZA, Fifth Ave., 58th and 59th Sts.	5.00 up	2.00 "	⅓ "
HOTEL BRUNSWICK, 89th St. and Madison Ave.	2.50 & 3.00	1 00 & 1 50	2½ "

Visiting members may have rooms reserved at any of the above hotels by applying direct, or through the Chairman of the Hotel Committee, Mr. S. S. Butterfield, P. O. Box 1697, New York, specifying grade of accommodation desired. Most New York hotels are conducted on the European plan.

The Pan-American Exposition, Buffalo, N. Y.

Whether it be Chicago or Buffalo for to visit and thoroughly enjoy what is now expected to prove one of the most interesting and instructive of recent American expositions.



the S. A. F. Convention in 1901, renders generally, and delegates especially, will be interested in this preliminary study of block plan for the Pan-American Exposition, as, regardless of the city chosen, all who can manage it will undoubtedly want

LAWRENCE, MASS.—J. B. Halley is back after quite a vacation. He says he feels better than ever and intends running down with the convention crowd.

Ferns and Decorative Plants.

John Scott, of the Keap street greenhouses, Brooklyn, has made untiring efforts to place himself in the front rank as a producer of ferns and decorative plants, including palms, and, with the range of new glass in Flatbush which was built last season, his facilities for growing these plants in large quantities are now about doubled. Two houses are filled with kentias, large specimens predominating. There are also a goodly number that are potted, four together; these make extremely bushy subjects, being well furnished and of good color. Boston ferns are the main standby of the establishment, and the stock is remarkably fine. There are five houses devoted to this fern. Some are in pots, others in pans, ranging in size from 6 inches to 14 inches. The larger sized plants are especially good, almost a yard across and ready for being repotted again.

Of Pandanus Veitchii and P. utilis, there are about 1,300 plants. Large plants of the latter variety are somewhat scarce this season, and as the stock here consists of good-sized specimens, they should bring good returns.

Ficus is represented by 2,500 plants; these are branching nicely, and promise to be in excellent condition for the coming season. In small palms, the seedling kentias and arecas are both good and numerous. There are 15,000 kentias and 20,000 arecas more than will be grown, and these will shortly be offered for sale.

Seedling ferns form another important feature, several houses being devoted entirely to them. The varieties raised are those used chiefly for fern dish or jardiniere work. Some fine batches of dracænas were in evidence, of D. Lindenii and D. Sanderii. The steady demand for these plants makes it almost impossible to work up a very large stock, though of the latter variety, there are now about one thousand plants.

BRIEFS FOR BUSY FLORISTS.

ROSES.—Young stock is beginning to produce blooms now, but unless the demand for the flowers is very urgent, there is no use in allowing them to develope. The better plan will be to pull away all buds that form, and if this is done for another month yet, the plants will be the better for it. There must be no attempt at feeding them with liquid manure. The soil in the benches contains all that the plants need for a long time yet, and the using of liquid manure at this period is altogether unnecessary. For keeping down green fly there are many different methods, but the cleanest and one of the most effective ways is to have wire netting of a very coarse mesh strung along the sides of the bench, and just inside the posts; this is doubled back to form a kind of net and the tobacco stems are placed in there. An occasional spraying brings out all the tobacco odor, and when that is all gone, the stems are easily removed and new ones put in their place. The advantage possessed by this method is that neither the walks of the house nor the surface of the beds have to be littered over with the tobacco stems, becoming filthy; neither does it require so much tobacco to keep the house clean.

SEEDLING PALMS.—Small plants of arecas and brentias can now be bought so reasonable that wherever one has any bench room in the greenhouse it is worth while growing a few hundreds of them. If potted into 2½ inch pots and kept in a moist atmosphere, they will make shapely little plants, suitable for using in the center of ferneries, by the coming fall; or, if not employed for that purpose, they can be potted along and grown until they become salable as decorative plants.

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Mention this paper.

The Sweet Pea Bicentenary.

Strictly speaking, this celebration might have been entitled "The Apotheosis of Henry Eckford," for the name of the venerable florist has been on every tongue; his work has been lauded to the skies, and the slightest utterance that has fallen from his lips has been received as the quintessence of sweet pea wisdom. In some respects this is unfair, for while the major portion of the varieties of sweet pea now grown are the result of much painstaking and intelligent labor on his part, the good work done in Europe by Laxton, Brown, Muskett, Haage & Schmidt, Carter and others ought not to be ignored; while the more recent efforts of our American friends deserve, and will doubtless in due time receive, the same generous recognition.

The Crystal Palace is certainly an ideal place for such a celebration, and the beauty of the surroundings helped in no slight degree to atone for the lack of elegance so conspicuous in the arrangement of many of the most meritorious exhibits.

Some idea of the extent of the display may be gleaned from the fact that for the competitive exhibits 4,000 vases were required.

In addition to these were some immense non-competitive exhibits from Hurst & Son, Dobbie & Co., Harrison & Sons, Carter & Co., H. J. Jones (a magnificent display splendidly arranged), Dickson's Chester, R. Sydenham, B. S. Williams & Son, etc.

The advertising element was a little too prominent in a few cases, and the committee did wisely to pass them by.

The display made by Dobbie & Co., was particularly interesting, as it contained no less than 182 distinct varieties, a fairly large family to spring from one (or, as some say, four) parent.

The place of honor was naturally assigned to the exhibit of Henry Eckford, which contained the best of his latest introductions. There was nothing very striking or novel on the stand, but the following are certain to become popular when put into commerce:

LADY M. ARMESBY GORE, creamy yellow, shaded with pink, a large, finely formed flower.

GEORGE GORDON, a rich lake, may best be described as a light Captivation.

JEANNIE GORDON, buff wings, veined carmine, with a bright rose standard—a perfect flower.

MISS WILMOTT, described as an improved Gorgeous; a giant flower with the orange salmon tint very brilliantly developed. There were others, but they are not needed, as they are no improvements on varieties we already possess.

The Cupid and Bush sections made such a poor display that the judges only awarded second and third prizes respectively. At last one English firm (Laxton Brothers) have learnt the art of producing the Cupid strain; but English gardeners, with the possible exception of Messrs Waterer and Weston, have not yet learnt the secret of their successful cultivation.

The opening ceremony was performed by Lady Treloar, wife of the genial president, and at the luncheon which followed, the places of honor were assigned to Herr Fritz Benary, Rev. W. T. Hutchins, Henry Eckford, Mr. Leonard Sutton and Mr. N. Sherwood. The speeches were of the usual order but far too long, and everyone breathed a sigh of relief when permitted to return to the sweet peas once more.

With such an experienced set of men as formed the committee, it was to be hoped that some reasonably perfect arrangements for the conduct of the business would have been made. Unfortunately, these hopes were not realized, and a good deal of disorder prevailed. This was especially the case with the conference which was held in an out-of-the-way room that was almost inaccessible and in which the earnest and faithful few were boiled or roasted as a penalty for their devotion to the best interests of the flower we had met to honor.

The chair was occupied on the first day by Mr. R. Wilson Kerr, of Liverpool, and on the second day by Mr. Geo. Gordon V. M. H. The first paper on "The Early History of the Sweet Pea," was read by Mr. S. B. Dicks. The paper, which was largely based upon the article by the same author, which appeared in the FLORISTS' EXCHANGE for July 19, 1897, was very well received, and in the discussion which followed, some very interesting remarks were made by H. Eckford, Rev. W. T. Hutchins, S. Ainsworth, F. A. Gardiner, T. Laxton and L. Kirby. Some of the more important of these shall be referred to at some future date.

A paper on the Classification of the Sweet Pea by Mr. W. P. Wright was to have followed, but owing to the lateness of the hour, and the fact that an excellent summary of the arguments to be advanced had been printed by the author, he contented himself with a brief, but very lucid address, which called forth the hearty approval of all who were privileged to hear it.

The paper on New Points in Sweet Pea Cultivation and in the uses of the flower for decorative purposes, by Mr. H. Dunkin, was deferred until the second day's sitting. Viewed from the English standpoint, it was both instructive and useful and when published, will be a very helpful guide to successful sweet pea cultivation.

Mr. Curtis read the paper on "The Evolution and Improvement of the Sweet Pea," prepared by himself and Mr. John Eckford, son of the Wem veteran. Much of the early part of the paper was a repetition of what had been previously advanced by Mr. Dicks, but the latter part which dealt with the work accomplished by Eckford, was intensely interesting and instructive.

The closing paper of the Conference was on "The Sweet Pea in America," and was very appropriately furnished by the Rev. W. T. Hutchins. As this paper will, no doubt, be published in America, it is only necessary to add that it occupied an hour in the reading, was embellished with many interesting interpolations, personal and otherwise, and was of such an interesting character throughout that it deserved a much larger audience, but could not have had a more appreciative one.

The faulty arrangements before referred to prevented the reading of a paper on "Sweet Peas under Glass, and Sweet Peas with Perfume," which had been prepared by Mr. W. Cuthbertson; but as it is the intention of the Committee to publish all the papers in pamphlet form, the loss to Mr. Cuthbertson is more apparent than real.

In bringing this hastily written notice to a conclusion, it is well to say that the prevailing sentiment which pervaded the Conference was to reduce the number of varieties to a more reasonable compass, and the hope has been strongly expressed that a strong and thoroughly representative classification committee shall be established on a permanent basis for this purpose. Some enthusiasts even demand the formation of a Sweet Pea Society, but the opposition to the idea is very strong.

One of the most pleasing features of the bicentenary celebration has been its international character. The friends from other lands were delighted with the welcome accorded to them; the hosts were equally charmed with their guests, and it only needed the presence of Mr. W. Atlee Burpee to make the international feature a complete success.

Mr. Dean and his coadjutors deserve to be congratulated upon the splendid results of their untiring exertions. It has been with them a labor of love, and the reward of that labor is sweet. S. B. D.



Crystal Palace, London, where Sweet Pea Bicentenary was held.

Buffalo.

We are having a taste of what Buffalo calls hot weather. Though the mercury has not risen above 85 degrees, the muggiuess inclines to a heating condition. The calls for funeral flowers during the past week have been mentioned as good. Most of the stores had nearly a rush of it through Saturday and Sunday last. On the latter day Palmer & Son turned out quite an elaborate, solid built and decorated casket cover. This firm has quite a profuse, hence handsome, show of L. auratum as a window display.

The sweet peas now furnishing by Jerry Brookins, of Orchard Park, show up about the finest.

Mr. and Mrs. E. E. Pieser, of Chicago, on a pleasure trip, found our city attractive enough for two days this week. Other visitors were: Mr. Meredith, of The London (Ont.) Floral Co., and Max Beatus, of the Dayton, (Ohio,) Box Co.

VIDI.

HORNELLSVILLE, N. Y.—W. A. Wettlin is the fortunate possessor of a piece of land upon which carnations fairly luxuriate. Such varieties as The Marquis, Flora Hill and Mrs. Lawson, are easily to be distinguished at a distance.

NOTES BY THE WAY.

SPRINGFIELD, MASS.—Mark Aitken is fortunate with a grand lot of asters—no sign of disease or bug. Queen of the Market is fine this season.

HOLYOKE, MASS.—E. H. Howland is growing his usual quota of chrysanthemums, believing the demand will be as good as last year. The stock is in fine condition.

PROVIDENCE, R. I.—T. O'Connor has a splendid batch of chrysanthemums, of which, by careful handling, he secures a continuous supply through the entire season. He is adding a house for storage purposes.

Farquhar Macrae is adding to his plant, and will soon break ground for five rose houses.

FALL RIVER, MASS.—Chatterton Warburton was busy fixing up when I called, and intends being with us at the Convention.

George Smith is building, but will lay off long enough to visit New York. He may make the trip in his handsome yacht "Flying Scud," and bring along the rest of the craft from the "City of Spindles" and Providence. J. Warburton, Sr., will not be with us this year. When last heard from he was at Hamepest, Norway, whether in search of Andrée or no he did not say.

SALEM, MASS.—McGee, Geary & Co. expect to join the Boston delegation accompanied by Messrs. Walk and Galloupe, of Beverly. Mr. Walk may exhibit his patent flower box. Asters are fine in this section, and are most acceptable for funeral work, which Mr. Hallahan, the designer at this establishment, tells me has been remarkably good all Summer.

HARTFORD, CONN.—George S. Osborn has returned from his vacation, in time to take in the Convention. This will be his first attendance, but he feels perfectly safe in the company of those two veteran craftsmen Messrs. Whiting and Coombs, who are ever ready to take in a good thing that they can turn to profitable account.

NEW HAVEN, CONN.—One of the best plants of recent introduction for summer flowering is Pentas lanceolata. John Doughty, grower for J. E. Hubinger, considers it very desirable for design work. The flower is pure white, star-shaped, and the plant very free flowering and easily propagated by cuttings. Crotons and fancy-leaved caladiums are used freely outside, and illuminate the lawn with their brilliant foliage.

CAMBRIDGE, MASS.—The vacation period is being taken full advantage of by the members of the craft. John McKenzie is off to the mountains, Fred C. Becker is hustling his stock of Boston ferns into shape, prior to taking a brief time off—possibly a trip to the convention. He expects a phenomenal demand for Finus and Nephrolepis bostonensis, both of which are in fine shape.

Lucius Foster has a fine stock, and from the way orders are coming in, there promises to be fully as large, if not a larger, demand than ever.

W. E. Doyle's place has taken on its summer garb. The magnificent palms adorning his residence are a splendid advertisement. His foreman, Dan Murphy, has just returned from a vacation with new ideas for fall business.

BROOKLINE, MASS.—James Quinn is making extensive alterations to his place. Since the recent death of Mrs. Quinn, the veteran head of the establishment, has felt like giving the young men a chance, so has turned over the business to his son Stephen, who has taken an active interest in it for many years. New houses are being built and under consideration.

F. E. Palmer says the problem of having what the other fellow has not in the way of stock is occupying his mind just now

M. B. Bunker is off for a vacation at Southport, Me., where he has a summer residence.

P. Welch is just now entertaining several of his fellow-craftsmen at his cottage at Old Orchard.

HAVERHILL, MASS.—C. H. Kaulback says he would like to be with us at New York, but has not yet recovered from the busy late spring business. His presence would be very welcome, as I think he could give us some ideas which, if not original, are valuable.

W. M.

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" extra	8.00 to 10.00	6.00 to 10.00	15.00 to 20.00	.... to	15.00 to 20.00
" No. 1	3.00 to 5.00	2.00 to 4.00	8.00 to 12.50	8.00 to 10.00	10.00 to 15.00
" Culls & ordinary	.50 to 3.00	.50 to 2.00	2.00 to 8.00	3.00 to 6.00	.... to ....
Bride, 'Maid, fancy—spc'l	3.00 to 4.00	3.00 to 4.00	2.00 to 6.00	.... to	2.00 to 6.00
" extra	2.00 to 3.00	1.00 to 2.00	2.00 to 6.00	2.00 to 4.00	2.00 to 6.00
" No. 1	1.00 to 2.00	.... to	.... to	2.00 to 4.00	.... to ....
" No. 2	.50 to 1.00	.... to	.... to	.... to	.... to ....
K. A. Victoria	3.00 to 6.00	2.00 to 5.00	2.00 to 6.00	2.00 to 5.00	3.00 to 6.00
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Papa Gontier	.... to	.... to	.... to	.... to	.... to ....
Perle	1.00 to 2.00	1.00 to 4.00	2.00 to 4.00	2.00 to 3.00	2.00 to 3.00
Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
ORCHIDS—Cattleyas	25.00 to 35.00	.... to	40.00 to 50.00	.... to	.... to ....
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Carnations: Inf'r grades, all colors	.50 to 1.00	.40 to .50	.25 to .5	.50 to .60	.... to ....
Standard Varieties: White	.50 to 1.00	.40 to .50	.75 to 1.50	.75 to 1.00	1.00 to 1.50
Standard Varieties: Pink	.50 to 1.00	.40 to .50	.75 to 1.00	.75 to 1.00	1.00 to 1.50
Standard Varieties: Red	.50 to 1.00	.40 to .50	.... to	.75 to 1.00	1.00 to 1.50
Standard Varieties: Yel.&Var	.50 to 1.00	.40 to .50	.... to	.... to	.... to ....
*Fancy— (*The highest grades of standard var) White	1.00 to 1.25	.... to .75	1.00 to 1.50	1.25 to 2.00	.... to ....
*Fancy— (*The highest grades of standard var) Pink	1.00 to 1.25	.... to .75	1.00 to 1.50	1.25 to 2.00	.... to ....
*Fancy— (*The highest grades of standard var) Red	1.00 to 1.25	.... to .75	1.00 to 1.50	1.25 to 2.00	.... to ....
*Fancy— (*The highest grades of standard var) Yel.&Var	1.00 to 1.25	.... to .75	1.00 to 1.50	.... to	.... to ....
Novelties	1.00 to 1.25	.... to 1.00	.... to 2.00	.... to	.... to ....
ADIANTUM	.... to .50	.... to .50	.50 to 1.50	.... to 1.00	.75 to 1.00
ASPARAGUS	35.00 to 40.00	.... to 50.00	35.00 to 50.00	25.00 to 75.00	50.00 to 60.00
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CALLAS	.... to	.... to	.... to	.... to	.... to ....
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PÆONIES	.... to	.... to	.... to	.... to	.... to ....
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45, 47, 49 WABASH AVENUE, - - CHICAGO, ILL.

...Wholesale Prices of Cut Flowers...

	Names and Varieties	Chicago Aug. 8, '00	St. Louis Aug. 8, '00	Cincinnati Aug. 6, '00	Milwaukee Aug. 6, '00	Pittsburg Aug 7, '00	Toronto Aug. 8, '00
Roses	A. BEAUTY, fancy—special	18.00—20.00	....—	....—	20.00—25.00	20.00—25.00	....— ....
	" extra	12.00—15.00	....	....	10.00—12.50	15.00—20.00	....—20.00
	" No. 1	6.00— 8.00	....	....—	6.00— 8.00	12.00—15.00	....—10.00
	" Culls & ordinary	2.00— 3.00	....	.... 5.00	4.00— 5.00	2.00— 5.00	.... 5.00
	Bride, Maid, fancy-spec'l	....—	....	3.00— 4.00	4.00— 6.00	....—	....— ....
	" extra	3.00— 4.00	2.00— 4.00	3.00— 4.00	3.00— 4.00	2.00— 6.00	1.00— 6.00
	" No. 1	1.00— 2.00	....	....—	1.00— 2.00	2.00— 6.00	1.00— 6.00
	" No. 2	....	....—	....—	....—	....—	1.00— 4.00
	K. A. Victoria	3.00— 5.00	2.00— 4.00	....—	4.00— 6.00	3.00— 6.00	....
	La France	4.00— 6.00	....	....	....—	....—	....— ....
	Meteor	3.00— 4.00	2.00— 4.00	3.00— 4.00	4.00— 6.00	2.00— 6.00	1.00— 6.00
	Papa Gontier	....—	....—	....—	....—	....—	....— ....
	Perle	2.00— 3.00	.... 2.00	....—	3.00— 4.00	2.00— 4.00	1.00— 3.00
	Souv. de Wootton	....—	....—	....—	....—	....—	1.00— 6.00
	ORCHIDS—Cattleyas	....—	....—	....—	....—	....—	....— ....
	Cypripediums	....—	....—	....—	....—	....—	....— ....
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	Inf'r grades, all colors	.40— .50	.... .75	.... .50	.50— 1.00	....—	....— .50
	STANDARD VARIETIES White	.75— 1.00	.... 1.00	.50— 1.00	.50— 1.00	.75— 1.50	.... 1.25
	STANDARD VARIETIES Pink	1.25— 1.50	.... 1.00	.50— 1.00	.50— 1.00	.75— 1.50	.... 1.25
	STANDARD VARIETIES Red	1.25— 1.50	.... 1.00	.... .50	.50— 1.00	.75— 1.50	.... 1.25
	STANDARD VARIETIES Yel.&Var.	1.00— 1.25	.... 1.00	....—	.50— 1.00	....—	.... 1.25
	*FANCY— White	....—	....—	....—	....— 2.00	1.00— 1.50	....— ....
	*FANCY— Pink	....—	....—	....—	....— 2.00	1.00— 1.50	....— ....
	*FANCY— Red	....—	....—	....—	....— 2.00	1.00— 1.50	....— ....
	*FANCY— Yel.&Var.	....—	....—	....—	....— 2.00	....—	....— ....
	NOVELTIES	....—	....—	....—	....— 2.00	....—	....— ....
	ADIANTUM	.50— .75	....—	.75— 1.00	....— 1.00	....— 1.00	....— .50
	ASPARAGUS	30.00—40.00	....—	....—	....—60.00	50.00—60.00	12.00—50.00
	ASTERS	.25— 3.00	.75— 2.00	1.00— 2.00	.50— 1.00	.50— 1.50	.50— 2.00
	CALLAS	....—	....—	....—	....—	....—	....— ....
	DAISIES	.10— .15	....—	....—	....— .50	....—	....— ....
	GLADIOLUS	1.00— 2.00	....—	....—	2.00— 3.00	2.00— 3.00	1.50— 4.00
	IRIS	....—	....—	....—	....—	....—	....— ....
	LILIES	8.00—10.00	....—	....—	....— 6.00	4.00— 8.00	5.00— 7.00
	LILY OF THE VALLEY	4.00— 5.00	....—	....—	....—	3.00— 4.00	....— ....
	MIGNONETTE—ordinary	....—	....—	....—	....—	....—	....— ....
	MIGNONETTE— fancy	....—	....—	....—	....—	....—	....— ....
	PÆONIES	....—	....—	....—	....—	....—	....— ....
	SMILAX	8.00—10.00	10.00—12.50	....—15.00	....—15.00	10.00—15.00	....— ....
	SWEET PEAS	.10— .20	....— .25	.10— .15	.25— .40	.10— .30	
	TUBEROSES	4.00— 6.00	4.00— 5.00	....—	4.00— 5.00	....—	....— ....

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4c. to 6c. a yd.
Best goods always.
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See Announcement, page 767.

SEND YOUR ORDER EARLY.

ROSES

Perle, Sunset, Niphetos, Souv. de Wootton, Kaiserin Augusta Victoria

Strong clean plants, from 3 in. pots, $7.00 per 100; $65.00 per 1000.

Brides, Golden Gate, Bridesmaid, La France, Bon Silene, Maid of Honor, Duchess of Albany, Mermet, President Carnot

Strong, clean plants from 3 in. pots, $6.00 per 100; $55.00 per 1000.

LIBERTY

12 plants for.....$2 20
25 " " 12 50
50 " " 15 00
100 " " 28 00

READY FOR **VIOLETS** IMMEDIATE PLANTING.

Marie Louise, from 2¼ inch pots, fine stock, $3.00 per 100; $25.00 per 1000.

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Mrs. Barr, Mein, Silver Wedding, all fine varieties, strong plants, from 2¼ in. pots, $5.00 per 100.

Autumn Glory, Dorothy Devins, Elvena, H. W. Longfellow, H. L. Sunderbruch, Marsin Jones, Miss Helen Wright, Miss M. M. Johnson, Pitcher & Manda, Pride, Ada Spaulding, B. M. Giroud, J. H. Troy, Mrs. S. Humphreys, Mme. F. Bergmann, Nivens, Thos. H. Brown, Black Hawk, Eureka, Golden Wedding, J. H. Woodford Iora, Mrs. H. Weeks, Maude Adams, Nemesis, Pink Ivory, Surprise, Belle of Castlewood, Helen Bloodgood, Major Bonnaffon, Marguerite Graham, Minerva, Riverside, T. B. Morse, W. H. Lincoln

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4000 ROSES All Bridesmaids, 3 in. pots, $6.00 per 100. This stock is worth one-third more money.

A few **ADIANTUM CUNEATUM**, 6 and 7 inch pots. Cheap for cash.

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ROSE PLANTS

In varieties, from 2½, 3 and 4 inch pots. Write for prices.

	100
Lemon Verbena, 3 in. pots	$4 00
Sansevieria Zeylanica, 3 in. pots	5.00
Asparagus Plumosus, 2½ in. pots	5 00
Asparagus Sprengeri, 2½ in. pots	4.00
Nephrolepis Cordata Compacta, 2½ in.	3.00
N. Cordata Compacta, 3 in. pans...per doz.	6.00

Field-Grown, Scotch **Hardy Pinks**, at $3.50 per 100; $30.00 per 1000. 6 varieties.

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300 La France, 500 Kaiserins, 100 Goutiers, 200 'Maids, 250 Brides, 200 Golden Gates — **4 inch, nice plants, $5.00 per 100.**

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FLOWERING SHRUBS, fine assortment.
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Rosa Multiflora.....$12.00 per 1000
Rosa Polyantha.....8.00 per 1000
Rosa Laxa (Froebeli)..8.50 per 1000

The stocks most largely used by European growers for grafting Tea Roses.

Our representative, **Mr. J. Austin Shaw**, will be at the Convention, and will be pleased to quote prices upon any wants in our line.

JACKSON & PERKINS CO., Newark, New York

Mention the Florists' Exchange when writing.

ROSES

	2½ inch Per 100	2½ inch 1000	3 inch Per 100	3 inch 1000
Brides	$3.00	$25.00	$5.00	$45.00
'Maids	3.00	25.00		
C. Soupert	3.00	25.00	5.00	45.00
Meteor	3.00	25.00	5.00	45.00
Am. Beauty			8.00	75.00

Mixed Jardiniere Ferns Mostly Pteris varieties, $3.00 per 100; $25.00 per 1000.

Asparagus Sprengeri 2½ in., $4.00 per 100; $35.00 per 1000.

Asparagus Plumosus 2½ in., $6.00 per 100; $55.00 per 1000.

Adiantum Farleyense Fine stock, 6 in. pots, at 50 cts. each.

Smilax 3 in., $4.00 per 100.

Dracaena Terminalis 4 in., $15.00 per 100.

Phoenix Canariensis Elegant stock, 4½ to 5 in., $20.00 per 100.

Chamaerops Excelsa 5 in., $25.00 per 100. 4 in., $20.00 per 100.

J. B. HEISS, The Exotic Nurseries, **Dayton, Ohio.**

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Send us your list for prices.

THE C. A. REESER CO.
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ROSES, PALMS, CROTONS,
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and Novelties in Decorative Plants.
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ROSE PLANTS

Meteor, Bridesmaid, Bride, La France — From 2½ and 3 in. pots, per 100, $3.00; per 1000, $25.00.

American Beauty and **La France**, bushes headed in open ground, per 100, $2.50; per 1000, $20.00.

The above is all clean, strong stock, ready for planting, no better to be had.

GEORGE REINBERG,
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Mention the Florists' Exchange when writing

Montreal.

Trade Notes.

We have all got a fit of the blues these days, and find it very hard to look at the pleasant side of anything. We thought to get some improvement after enduring July with its frost, and eight inches of rain falling during 21 days, but up to the present it seems as if August is going one better, or, worse, in every way. Suffice it to say, that to be comfortable outdoors in the evenings an overcoat is necessary.

Bedding and flowering plants of all descriptions are running entirely to rank foliage; in many cases flowers are quite absent. Exceptions just now are early asters and sweet peas. The former are very fine, but have a tendency to open centers. In some places Semple's are beginning to look very seedy, and unless a favorable change speedily occurs, will suffer severely from stem rot. Sweet peas are enjoying present conditions, and are covered with flowers of the highest quality. Carnations in the field look all right at present, but the growth is very soft. Young roses are suffering seriously from mildew.

In the stores trade still continues of little moment, customers being absent from the city on their holidays. Several boating accidents lately have made an increased demand for funeral work. There are no indoor flowers worth the name on the market.

Club Notes.

The picnic, adjourned for a week until Tuesday, July 24, on account of bad weather, came off in a most satisfactory manner. The attendance showed an increase of about 300 per cent. over last year.

The weather was all that could be desired and the various contests came off without a hitch. The cricket match, Gardeners vs. Florists was, as usual, the event of the day. The Gardeners won the game.

The race for members over forty was won by Jos. Davis and John Eddy; under forty by Geo. Robinson and Fred. Russell. Members' wives: Mrs. Robinson, Mrs. J. Bennett and Mrs. A. C. Wilshire. Hop, step and jump: Geo. Robinson, F. Russell and Joe Davis. Throwing Cricket Ball: Fred and Joseph Bennett. There were the usual two or three trained athletes present to pick up anything they could compete for to the detriment of our own friends. It is to be hoped the committee in future will take some energetic measures to suppress these annually recurring nuisances.

Canadian Horticultural Association.

However listless we may feel on ordinary matters, there is an amount of enthusiasm and unanimity seldom seen here in connection with the coming visit of the above society.

The meeting of the various committees to-night has practically settled the whole program for the Convention, and all that now remains to make it a success is the attendance in goodly numbers of the delegates from outside points. Judging from the printed program, the business part of the meeting is in most capable hands. From latest reports the social side is by no means neglected, including as it does some interesting items for each day. As on Thursday afternoon delegates will view the sights from the electric cars, Friday afternoon will be devoted to Lachine and a trip back to the city over the famed St. Lawrence Rapids. All Saturday is devoted to the social side, and will include visits to the gardens and various horticultural establishments in the city and vicinity concluding with a banquet in the evening.

B.

Eastern Delegates.

Eastern delegates to the Canadian Horticultural Association Convention at Montreal, 16 and 17th August, can get single fare return rates (if over ten) from any station on the Intercolonial Railway. Get a certificate at station of departure that you have paid single first class fare to Montreal, get the same signed by Secretary of Convention, present to Montreal ticket office before the 20th, and you will be given a free ticket home.

A. H. EWING, Sec. C. H. A.

Toronto.

The Market.

There is very little change in business conditions. We have a few very hot days, which have made roses rather poor again. Carnations coming in now are also generally poor stock. Asters, however, are good, and there are plenty of them. Sweet peas are also plentiful; and with plenty of hardy stock in sight, no difficulty is experienced in doing what business is offered.

News Jottings.

Harry Delmenth is away to some of the Northern lakes for a holiday. C. J. Tidy is also away, and I hear of several others who have gone for a change.

The Horticultural Society opened its Summer flower show in St. George's Hall August 8. The show is chiefly for amateurs. There is likely to be a good exhibition, as there is a large number of entries, and the officers have worked hard to make the affair a success.

Another of our prominent citizens has passed away in Mr. J. J. Withero, who has often been called the father of our industrial exhibition. He was for 21 years its president, a position he resigned in February last. He gave much of his time to the institution, and in the earlier years of its existence did very much to make it the success it has proved. He is the fourth of the old directors who have died this year.

T. M.

METEOR ROSES.

3½ inch pots, per 100, $4.00; per 100, $37.50.

Potted and repotted 4 times. These plants are vigorous and unusually fine. Packed to safely ship any distance.

BRANT & NOE, Forest Glen, **Chicago, Ill.**

Mention the Florists' Exchange when writing.

AMERICAN BEAUTY 4 in., $15.00 per 100; **LIBERTY** 3½ in., $50.00; 4 in., $75.00 per 100; **Maid** and **Bride**, from GRAFTED plants, 3½ in., $8.00; 4 in., $10.00 per 100; **Perle**, 3½ in., $8.00; 4 in., $10.00 per 100. Also **Sunset, Meteor, Morgan, Mermet, La France, Niphetos, Kaiserin, Golden Gate, Bon Silene**, 3, 3½, 4 in. **Asparagus Plumosus**, all sizes **Marie Louise Violets.**

A. S. MAC BEAN, Lakewood, New Jersey.

Mention the Florists' Exchange when writing.

10,000

AMERICAN BEAUTY PLANTS

Fine stock, from 3 inch pots, $5 per 100; $40 per 1000.

	Per 100	1000
BRIDESMAID, 3 in. pots	$4.00	$35.00
PERLE, 3 in. pots	4.00	35.00
METEOR, 3 in. pots	$4.00	$35.00
GOLDEN GATE, 2½ in. pots	4.00	35.00
KAISERIN, 3 in. pots	4.00	35.00

PETER REINBERG, 51 Wabash Ave., CHICAGO

Mention the Florists' Exchange when writing.

ROSES

BRIDE and MAID.

Strong plants, from 3 inch pots, at $3.00 per 100.

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PHILADELPHIA ROSES

STRICTLY FIRST-CLASS CLEAN STOCK.

100 4 Inch AMERICAN BEAUTIES.
500 3 Inch AMERICAN BEAUTIES.
BRIDES and 'MAIDS, 3 Inch.

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FIRST QUALITY FORCING ROSES

REDUCED PRICES TO CLOSE OUT.

Fully equal to those sent out the last eight years; first-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.

AM. BEAUTY, BRIDE, BRIDESMAID, MAID OF HONOR, METEOR, KAISERIN, SAFRANO, BON SILENE, PERLE. 3 in. pots, $5.00 per 100, 4 in. pots, $8.00 per 100.

GRAFTED ROSES MAID OF HONOR, GOLDEN GATE, 3½ inch pots, $15.00 per 100. LIBERTY, 4 in. pots, $8.00 per doz.; 50 plants, $24.00.

Mention this paper. **J. L. DILLON, Bloomsburg, Pa.**

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Hot Bed Sash. Red Cedar Posts.

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GALVANIZED STEEL

Wire Rose Stakes

Straight or Looped and Pointed

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Very respectfully,
ALBERT M. HERR.

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EDITORS OF THE "H. A."
Chilwell Nurseries, NOTTS, ENGLAND,

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Baltimore.

Cut Flower Market.

The market is unchanged. Outdoor stock begins to suffer from drought again.

Firms that Are Building.

Wm. Frazer, of Ruxton Nursery Co., is adding two houses, each 100 feet long. Recently he acquired about six acres of land adjoining his place, which now contains 10 acres, with two dwellings, stabling, and about 25,000 square feet of glass, not counting the houses about to be constructed.

T. T. Cummings, manager St. Mary's Industrial School, has just finished three new houses, each 18x100 feet, ¾ span, iron pipe posts and bench supports and double top ventilators. One of his old houses, planted with Kaiserin and Meteor, looks remarkably well. Planted in May, the plants are from 4 to 6 feet high and should yield a fine early crop. One house of chrysanthemums will be filled with Easter lilies.

Isaac Moss, of Govanstown, is doubling the glass of his new place on Gittings avenue. He is breaking ground for two new houses, 18x200 and 28x200; the small one for smilax, the larger for carnations. Steam will heat the whole plant.

Cultural Notes.

Mr. Harneck, head-gardener to Mrs. Robt. Garrett, has for twelve years been very successful with water lilies for Winter bloom. He finds N. dentata and N. Devoniensis the best for the purpose, the pretty N. zanzibarensis demanding too much heat and sunlight. He keeps water temperature at 75-80 degrees, and the lilies produce flowers quite freely from September until Spring, when firing is stopped. The plants then rest; but are not disturbed, further than that for a day or two the water is drained off and a sprinkling of bone is worked into the ground. The soil has not been changed for 12 years. An old Musa sapienta fruits regularly every two years, and the last time produced a crop of eight dozen fine deliciously-flavored fruits. The long bulb or stem, which this year is expected to bear fruit, is about 15 feet high, and two new root-shoots are about to start. Musa Cavendishii also produces fruit here, but it has a cucumber-flavor and is worthless. Winter-flowering orchids do well here, and a number of seedlings (dendrobiums and lælias) are especially interesting. Harneck flowered his first—Lælia Garrettii—two years ago (Lælia grandis and L. Dayiana). The new cross blooms twice a year, and the flower is in every way intermediate between its parents. It is remarkable, that a regular crop of pineapples can be raised without a special department. The plants are staged about the pretty conservatory as if for effect only; but by proper attention Harneck never misses a fruit. The variegated form yields as good fruit as the others. A Cycas circinalis deserves mention; it has a stem 5 feet high and a fine head of leaves.

The Park Board has advertised for bids on the bulbs for the public squares. The list specifies some rather little popular varieties and very odd numbers. One would think the list had been made up to suit somebody's stock on hand, and to render competition at this advanced season as difficult as possible.

Milwaukee, Wis.

Riemer & Radmer, 411 State street, have just installed for John Mender a No. 8½ Furman Steam boiler, which will be used to heat Mr. Mender's large new greenhouses. Messrs. Riemer & Radmer are making special efforts to interest all florists in Milwaukee into using the Furman system of heating. They are practical people, who have large experience in greenhouse heating.

T. E.

The late Henry Dale, of Brampton, left an estate valued at $55,000, of which $15,000 is in personalty. The executors are Mr. William Algie, of Beaver woollen mills, Alton, and Mr. T. W. Duggan, deputy sheriff, Brampton.

FRUIT AND FLOWER PLATES

Seed Packets and Supplies of all kinds for NURSERYMEN, FLORISTS and SEEDSMEN

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Stock Cuts, 10c. per square inch. Engraving by all processes. Printing and lithographing.

Illustrated Catalogues a Specialty.

VREDENBURG & CO., - Rochester, N. Y.

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COMMERCIAL PLANTS

THEIR PROPAGATION AND CULTURE.

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A working Hand Book of Every-day Practice for the Florist or Gardener, and those who intend to grow plants and flowers, in the greenhouse or garden, as a means of obtaining a livelihood. Each and every article is written in concise, simple language, and embodies wholly and solely the experiences of the writer.

The plants dealt with comprise those which are commercially handled by Florists, Gardeners and Nurserymen, and include Florists' Flowers, Stove and Greenhouse Plants, Hardy Herbaceous Plants, Annuals, Shrubs, Hardy and Tender Vines, and a chapter on miscellaneous subjects in connection with the above.

This reliable cultural book has been gotten up for use not ornament, therefore the price has been fixed at a figure within the reach of all, while it contains more real practical information for those for whom it is intended than is to be found in much more pretentious works costing ten and twenty times as much money. Strongly bound to stand rough handling and plenty of it. Price, $1.00 by mail, postpaid.

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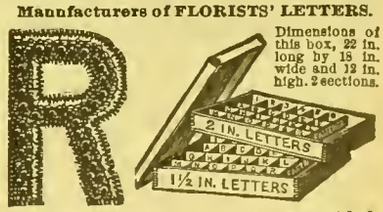

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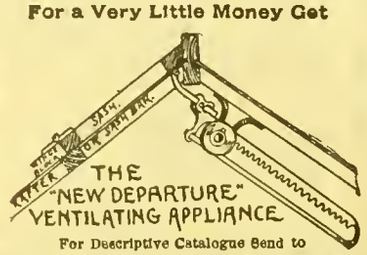

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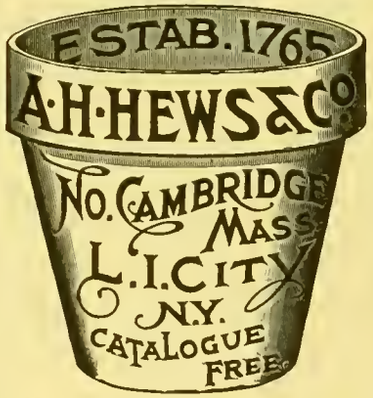

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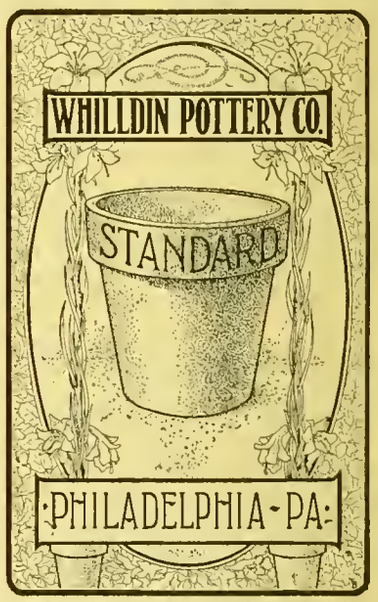

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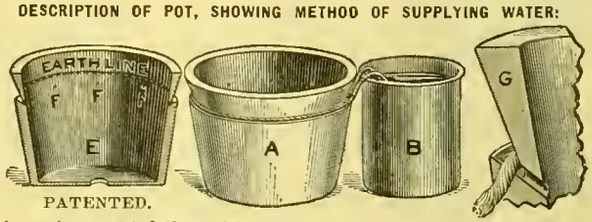

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A, indicates the pot; B, a reservoir for water; E, section of pot, showing earth line and perforations or water passages F F F below. G, full size section, showing groove, with cord siphon. Several pots may be arranged a round one reservoir, each connected therewith by a cord, through or over which the water is conducted by capillary attraction.
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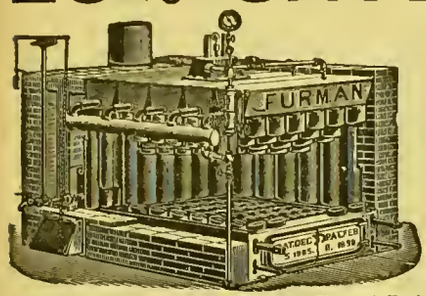

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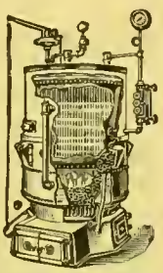

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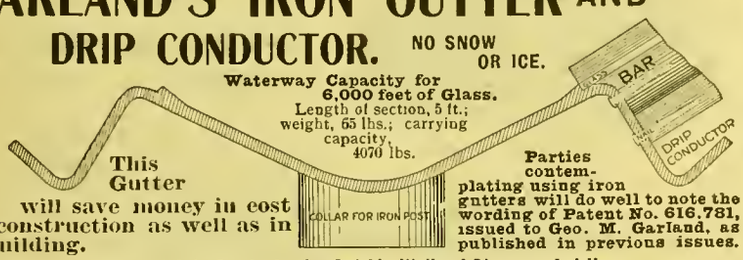

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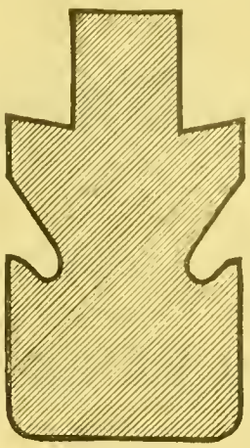

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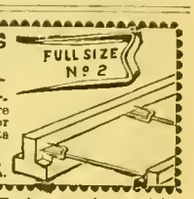

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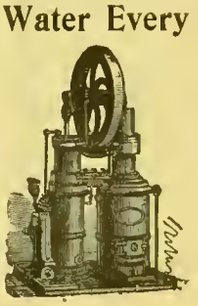



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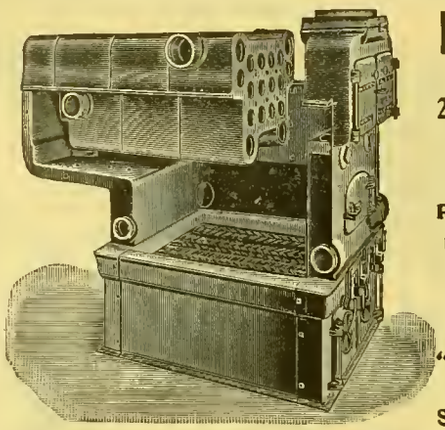

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P. S.—Remember New York—OUR EXHIBIT ONLY. Our Store and Warehouses are in Philadelphia, The OLDEST, LARGEST and MOST PROGRESSIVE FLORIST SUPPLY HOUSE IN AMERICA.

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Florists' Convention

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Irving Place and 16th Street,

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SPECIAL RATES:

European Plan, $1.00 per Day and Upwards.
American Plan, $3.00 per Day and Upwards.

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At the Convention.

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We will have on exhibition an assortment of the leading works on all branches of horticulture from our own press and other publishers. The books will be on sale or orders may be left for future delivery. All inquiries cheerfully answered. Leave your card with our representative.

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WELCOME—S. A. F.—WELCOME

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant.

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL.

Vol. XII. No. 33. NEW YORK, AUGUST 18, 1900. One Dollar Per Year.

331 Main

LILIUM HARRISII IS NOW READY

And we are pleased to state that our bulbs have never been finer. Bulbs are exceptionally fine, clean and bright, and running well up to size. We are very particular about the Harrisii that we handle. Our stock is not picked up indiscriminately from small growers. We have our bulbs grown for us by only a few selected growers, whose stocks are the healthiest, and for which we pay the highest prices. Our fields are the healthiest and best on the Island, and we are sure that our stock will prove unusually satisfactory. Certainly the bulbs have never been finer than they are this season. If you have not already covered your wants in this line, we will be glad to have your order. Bulbs are ready for immediate shipment.

REGULAR STOCK AS USUALLY SOLD:
Bulbs 5 to 7 in. in circumference, $16.00 per case of 400 bulbs.

OUR OWN SELECTED STOCK:
Bulbs 5 to 7 in. in circumference, $18.00 per case of 400 bulbs.
Bulbs 7 to 9 in. in circumference, $18.00 per case of 200 bulbs.
Bulbs 9 to 11 in. in circumference, $20.00 per case of 100 bulbs. (scarce)

If cash is remitted with order, 5 per cent. can be deducted from above-named prices.

FREESIA REFRACTA ALBA Plant now for Christmas Flowering. Finest quality Bermuda-grown bulbs, extra quality, 50c. per 100; $4.00 per 1000. Selected bulbs, 75c. per 100; $6.00 per 1000.

BERMUDA BUTTERCUP OXALIS Heavy Selected Bulbs, 75 cents per 100; $5.00 per 1000.

WINTER-FLOWERING ROSES.

We have a fine stock of all the leading varieties—first-class, A No. 1 plants—which we can offer as follows:

STRONG PLANTS, IN 3 1-2 INCH POTS.

Bride, Bridesmaid, Perle, Meteor, La France, Bon Silene, Papa Gontier, $8.00 per 100.

Souv. de Wootton, Golden Gate, Kaiserin Augusta Victoria, Pres. Carnot, Sunset, $10.00 per 100.

American Beauty, of which we have an extra fine lot, $12.00 per 100.

F. R. PIERSON CO., Tarrytown-on-Hudson, N.Y.

FOR SUMMER DECORATIONS!

ASPARAGUS PLUMOSUS NANUS

Never Wilts!

Cut Strings, 10 Feet Long, 50 cts.

W. H. ELLIOTT, BRIGHTON, MASS.

THE TRUE AND THE TRIED STOCK OF LILIUM HARRISII

Or BERMUDA EASTER LILY Bulbs.

WE venture to say that our **THREE-LEG BRAND** of **LILIUM HARRISII and LONGIFLORUM** is freer from disease than any other stock grown in Bermuda. The statement is verified by customers who have grown and forced it exclusively for years and will have no other.

IT IS NOT THE CHEAPEST, BUT THE BEST.

After filling all advance orders, we have left a few boxes of each size, and this is our price:

	Per 1000	Per 100
5 to 7 inch Bulbs, 400 in a box	$50.00	$5.50
7 to 9 " " 200 "	100.00	11.00
9 to 11 " " 100 "	200.00	20.00

	Per 1000	Per 100
LILLIUM HARRISII, as usually sold, 5 to 7 inch bulbs	$40.00	$4.50
ROMAN HYACINTHS, White, 12-15 cent.	16.00	1.75
" " " 11-12 "	12.00	1.50
" " " 13-15 "	20.00	2.50
NARCISSUS TRUMPET MAJOR, fine for forcing early,	12.00	1.50

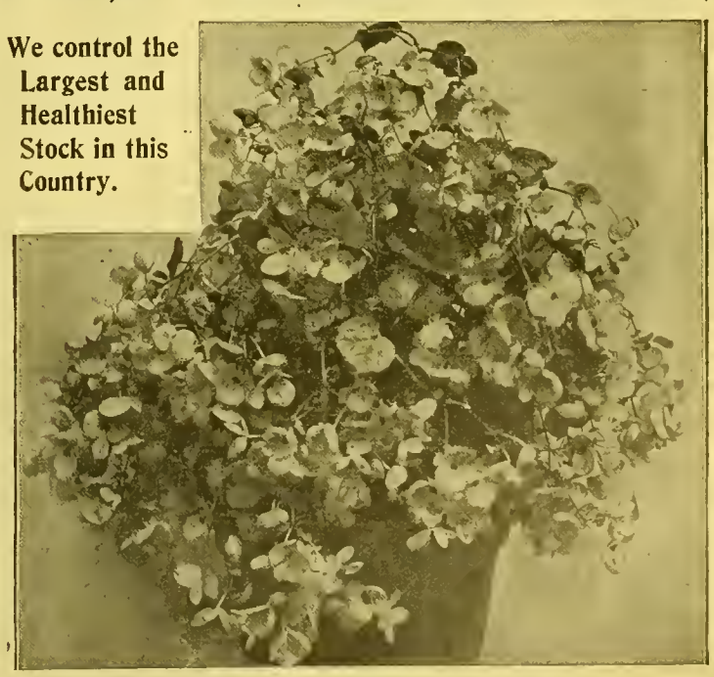
FREESIA REFRACTA ALBA, 1st size, $5.00 per 1000; extra size, $7.00 per 1000; monsters, $8.00 per 1000.

All the Above are now Ready for Delivery.

CLUCAS & BODDINGTON CO., 342 W. 14th St., N.Y. City.
Telephone, 461 18th.
Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS.

BEGONIA GLOIRE DE LORRAINE

We control the Largest and Healthiest Stock in this Country.



Fine, strong, 2¼ plants, for Aug. 15 to Oct. 1st delivery, $17.50 a 100; $175 a 1000

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Where and how to get healthy bulbs. Let us help you out by offering you our guaranteed stock at the following prices, and which is ready for delivery:

LILIUM HARRISII, St. David's Island Brand, 5-7 inch, $42.00; 7-9 inch, $90.00 per 1000.

FREESIA REFRACTA ALBA, Pure white, mammoth bulbs. $9.00 per 1000.

CALLA BULBS, California grown, 1¼-2 in. diameter. $7.50 per 100.

ROMAN HYACINTHS, 4-5 inch, $12.00 per 1000; 5-6 inch, $16.00 per 1000.

If you have not received our Trade List of Bulbs, drop us a card and we will mail it.

WM. ELLIOTT & SONS, 54-56 Dey Street, NEW YORK.

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LILIUM HARRISII

Early Roman Hyacinths Special Prices on Application.

Sure Crop MUSHROOM SPAWN, New Crop, $8.00 per 100 lbs.

WEEBER & DON, SEED MERCHANTS AND GROWERS, 114 Chambers St., NEW YORK CITY.

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Pansy Seeds

Fresh crop, Vautier's mammoth; it is the best strain in every respect; 120 varieties, colors, and markings mixed; flowers are often up to 4 inches in diameter and smell like violets; 3000 seeds, $1.00; 1 oz., $4.00.

Shellrand Greenhouses, Grange P. O., Balt., Md.

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GERANIUM SEEDS

GOOD VENTURE MIXTURES.

25 New Large Flowering Varieties, Superb Mixed, 50c. per trade packet; $6.00 per oz.
Large Flowering, Splendid mixed, 25c. per packet; $2.50 per oz.
Good Mixed, 75c. per oz.; $8.00 per lb.
Souv. de Mirande, $2.00 per 1000 seeds.
Separate Colors, mixed, $2.00 per 1000 seeds.

SEND FOR TRADE LIST.

MRS. THEODOSIA B. SHEPHERD,
Ventura-by-the-Sea, Calif.

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FREESIA BULBS

¼ to ⅜ inch diameter	$0 50 per 1000
⅜ to ½ inch diameter	1 25 per 1000
½ to ¾ inch diameter	3 50 per 1000

The smaller bulbs will prove as satisfactory as the larger if planted early. Bulbs ready for immediate delivery.

JOHNSON & MUSSER SEED CO., Los Angeles, Calif.

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Our Exhibit Is at



FERN BALL.

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We extend a **Cordial Welcome** to all our friends. Call on us at **47 Barclay Street,** where we will show and furnish

FREE SAMPLES of

Freesia Refracta Alba	Double Roman	Dutch Hyacinths
Roman Hyacinths	Anemones	Von Sion
Paper White Narcissus	Allium	Crocus
Trumpet Major	Lilium Candidum	Tulips
Narcissus, in sorts	Calla Ethiopica	

SEEDS

Cineraria, Primula, Cyclamen, Mignonette, Candytuft, Ten Week Stocks.

PRIZE PANSIES, Etc., Etc.

Smilax, Asparagus Sprengeri; Fresh Crop 1900 **KENTIA BELMOREANA** and **FORSTERIANA** Seeds.

H. H. BERGER & CO., 47 Barclay St., NEW YORK.

(ESTABLISHED 1878.)

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PANSY SEED

S. & W. Co.'s Non Plus Ultra.

The richest mixture ever sent out, and containing the **Blotched** and **Giant** varieties in greatest proportion; very effective. Per packet 1000 seeds, 25 cts.; per ⅛ ounce, 75 cts.; per ounce, $4.50.

Superb Mixture of the **Odier, Cassier** and **Bugnot Strains,** unsurpassed. Per 1000 seeds, 50 cts.; per ⅛ ounce, $1.00; per ounce, $6.00.

Trimardeau or **Giant Pansies.** Beautiful class of vigorous, compact growth, flowers of an enormous size. Per pkt., 25 cts.; per ⅛ ounce, 50 cts.; per ounce, $3.50.

For varieties in separate colors, also quotations on Dutch, French or Bermuda Bulbs, send for our 1900 Bulb Catalogue.

MIGNONETTE, ALLEN'S DEFIANCE 1-16 ounce, about 1500 seeds, 40c.; ¼ ounce, $1.00; 1 ounce, $4.00.

CANDYTUFT, GIANT FLOWERING EMPRESS Per ounce, 25c.; per pound, $2.50.

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CALIFORNIA CALLA LILY SETS Healthy, strong sets, 1 to 1½ inches in length, suitable for beach growing, $3.00 per 1000, delivered free to any part of the U. S.

CALIFORNIA SAVED PALM AND OTHER SEEDS FRESH ON HAND.

	Per 100	1000	5000
Phœnix canariensis		$0 50	$2 00
" reclinata	$0.25	2 00	8.75
Brahea Edulis (Erythea edulis)	50	4 00	
" Glauca (" armata)	per pound, 75 cts.		
Chamærops Excelsa	per pound, 40 cts.		

Coreopsis Lanceolata..... .....per pound, $1.25
Smilax ..... per pound, $1.75; five pounds at $1.60
Australian Salt Bush (Atriplex semibaccatum), per pound, 75c.; 50 lb. lots, 60c.; 100 lb. lots or over, 50c.
Yellow Globe Danver's Onion, per pound, 50c.; per 100 lbs., $45.00.

GERMAIN SEED AND PLANT CO., Los Angeles, Cal.

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LOOK FOR OUR

Mr. Fred'k J. Michell AND Mr. Otto Robolt

They will attend the Convention every day, and will be pleased to entertain you. Ask them about our

Giant Strain Pansy Seed	per trade pkt.,	$1.00
" " **Cineraria Seed**	"	1.00
" " **Calceolaria Seed**	"	1.00
" " **Fringed Primula Seed**	"	1.00

And anything in the line of **SEEDS, BULBS and SUPPLIES.**

Henry F. Michell.
Fred'k J. Michell.

HENRY F. MICHELL, Philadelphia, Pa.

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All Are Cordially Invited to Make Their HEADQUARTERS at

14 BARCLAY STREET

Near the P. O. and Ferries.

SEND YOUR MAIL IN OUR CARE.

Also HEADQUARTERS for **BULBS**

NOW AT HAND:

Lilium Harrisii
Lilium Longiflorum
Lilium Candidum
Narcissus Paper White Grandiflora
Roman Hyacinths
Freesia

CALL AND INSPECT!

VAUGHAN'S SEED STORE 14 Barclay Street, NEW YORK. 84 & 86 Randolph St., CHICAGO.

Mention the Florists' Exchange when writing.

Johnson & Stokes' Giant Kingly Pansies We have searched the world to get this strain up to its present standard of perfection, and it is now pronounced by our customers as unrivalled in size, substance of flower and richness of color. Trade pkt., 50c.; ¼ oz., $1.25; oz., $5.00.

FRESH SMILAX SEED, per oz., 25c.; per lb., $2.50. ALLEGHENY DOUBLE FRINGED HOLLYHOCK, our Florscroft Strain, trade pkt., 25c.; ¼ oz. pkt., 50c.; per oz., $1.50. CINERARIA, James' Giant Strain, per pkt., 25c.; ¼ trade pkt., 60c; trade pkt., $1.00. CALCEOLARIA, James' Giant Strain, per pkt., 25c.; trade pkt., 60c. We are ready to book orders for White Romans, Freesias, Callas, Paper White Narcissus, Etc.

JOHNSON & STOKES, Seedsmen, 217 & 219 Market St., PHILA., PA.
Mention the Florists' Exchange when writing.



Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Cincinnati, O., President; F. W. BOLGIANO, First Vice-President; S. G. CORTEEN, Milwaukee, Wis., Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

Recent statistics published by the United States Department of Agriculture, show that 32,079,371 pounds of clover seed, valued at $2,379,372, were exported from America in the fiscal year ending June, 1900, against 19,980,434 pounds, valued at $1,264,922, during 1899.

New York.—The wife of Albert Hulsebosch, of Hulsebosch Bros., bulb growers and importers, Englewood, N. J., presented him Friday last with two healthy boys. He is now the happy father of six boys, the eldest of which, Peter, ten-and-a-half years of age, is now sick with scarlet fever at the Riverside Hospital.

S. B. Dicks, of London, will arrive today (August 18), on the S. S. Lucania. His address will be care of R. J. Godwin's Sons, 60 Wall street.

European Notes.

A fairly good rain over the whole of western Europe has put new life into the growing plants, and somewhat retarded harvesting operations. Spinach comes under the latter category, and a lot of the seed has been knocked off by the heavy storms, but as a fairly large acreage was planted, there is no prospect of any scarcity.

The work of threshing out the turnips proceeds apace, and the results are more disappointing than our worst anticipations. This is more especially the case with the white-fleshed field varieties, such as Grey Stone and Pomeranian White Globe. The yellow-fleshed Aberdeen kinds are giving rather better results. Rutahagas, with the exception of Brown's Universal, are finishing up badly, and even on first-rate land the crop will be almost nil. Special attention was directed in these notes to this valuable introduction of Brown's when it was first exhibited, and further and fuller experience confirms the favorable opinions then expressed. The fact that it resists mildew better than any other variety renders it doubly valuable for cultivation in hot climates. In appearance it resembles the Westbury, but it is much larger and heavier than that justly esteemed variety.

Flower Seeds.

Flower seeds are in an interesting condition just now. Asters are exceptionally promising. Stocks are good, Nasturtiums are dying off a little too quickly, but will yield a very good crop of seed. Sweet peas are now so little grown in Europe that a probability of a very short crop will hardly affect their value. Pansies have suffered most of all, and the crop of seed from the high-class strains is a very poor one. Spring-sown larkspurs have perished by wholesale, while annual chrysanthemums, clarkias, godetias, popples and nemophilas are quite satisfactory.

In market seeds Crimson Clover maintains its value, and will probably rise when the shortage of root crops is fully understood. Mustard is stationary, and rape firm at the latest rates.

Novelties.

As regards novelties for the coming year, the following are worthy of special mention: Arctotis candidissinin (Haage & Schmidt), a large daisy-like flower, of a silvery-white color, with a long stem; easy to cultivate, and fine for cutting.

Antirrhinum majus Tom Thumb with golden leaves (Putz). This will prove a formidable rival to the golden pyrethrum, as it is of an equally bright golden color. In addition, it produces spikes of lovely red and rosy colors, which blend most harmoniously with the foliage.

Nasturtium Tom Thumb "Golden Queen" (Cooper, Taber & Co.) is a pure golden yellow flowered variety, with yellow foliage. Unlike the scarlet-flowered variety named Cloth of Gold, this newcomer throws its numerous flowers well above the foliage, and its value as a decorative plant is thereby considerably enhanced.

Sweet pea, Mont Blanc (Benary) may best be described as an extra early and dwarfer form of the Emily Henderson. It will prove of very great value for forcing purposes. The Cupid section is to be reinforced by such varieties as Firefly, Boreatton, and others equally distinct, so that America will no longer enjoy a monopoly in the production of these curious plants.

Of last season's novelties Laxton's new pea, Thomas Laxton, has apparently come to stay. It is a more vigorous form of Gradus, with a longer pod, blunt at the end and quite full. As it is equally dwarf and a more certain cropper, it will no doubt soon supplant Gradus.

Taber's Duke of York pea also gets another lift up this year, as the Royal Horticultural Society, after testing it at Chiswick, have confirmed the award of merit previously bestowed. G. Keith, Jr., of Toronto, and H. W. Gordinier, of Troy, N. Y., are in London.

EUROPEAN SEEDS.

Exhibitions.

SCHWAEBISCHER SAENGERBUND, Ridgewood Park, L. I.—The premium list of the twelfth annual horticultural exhibition, to be held at Ridgewood Park, L. I., September 2-9 inclusive, has been issued. Prizes are offered for ornamental carpet bedding, flowering plants, foliage plants, and water garden.

The following named gentlemen will receive entries until the 20th day of August, 1900:—Aug. F. Schrader, Elmhurst; Fred'k. Marquardt, Middle Village; Carl Koch, Flatbush; Herm. A. Hahn, Broadway, Brooklyn; John Miesem, Elmhurst; and Hermann Maenner, Maspeth, L. I.

RHODE ISLAND HORTICULTURAL SOCIETY.—The schedule of prizes for the September and November exhibitions has been issued. C. W. Smith, 61 Westminster street, room 23, Providence, R. I., is secretary and treasurer.

Indianapolis, Ind.—H. H. Bassett, who for many years acted in the capacity of traveler for several nursery firms, died here August 7. He was born in Randolph County, Ohio, in 1836.

CALIFORNIAN SEEDS
Contract Prices for 1900 Harvest on Application.
WHOLESALE ONLY.
PERRY WATSON & CO., Sacramento, Cal.

CALIFORNIA-GROWN BULBS
Send for our Special Trade List. Address
California Nursery Company, Niles, Calif.
Mention the Florists' Exchange when writing.

COX SEED CO.
Wholesale Seedsmen
14 & 16 Ninth Ave., NEW YORK. 411, 413, 415 Sansome St., SAN FRANCISCO.
Mention the Florists' Exchange when writing.

POTTED STRAWBERRY PLANTS IN 2 INCH POTS.
Ready July 20th. Send for Prices and List.
ROSES, Bride, Bridesmaid, American Beauty, and fifty other varieties. See list in issue of June 23. Also CLEMATIS PANICULATA and HONEYSUCKLES in 4 inch pots.
THE ELIZABETH NURSERY CO., Elizabeth, N. J.
Mention the Florists' Exchange when writing.

IMPORTANT
Before ordering any goods anywhere send in your list of wants for lowest GUARANTEED prices.
F. W. O. SCHMITZ, Jersey City, N. J.
Mention the Florists' Exchange when writing.

SILVER PALM SEED
(THRINAX ARGENTEA.)
Florida Grown Crop, 1900. A beautiful slow-growing fan palm, with leaves silvery on under side.
100 seeds, postpaid....$0.50 1000 seeds, postpaid..$3.50
500 seeds, postpaid, $2.50 per 1000, sample doz., 10c.
A. L. HATCH, Rockledge, Florida.
Mention the Florists' Exchange when writing.

CALLA BULBS
8 inch circumference.....per 100, $8.00
6 " " .....per 100, 6.00
4 " " .....per 100, 4.00
Sets, 25 cts.; 100 by mail 10 cts. extra.
Cash with Order.
J. BOLL, Jamaica, N. Y.
Mention the Florists' Exchange when writing.

Special Consignment Sale
L. HARRISII
5-7, fine healthy-looking bulbs, per 1000, $35.00.
Not less than original packages of 400 bulbs at this price.
NET, SPOT CASH.
HULSEBOSCH BROS., Englewood, N. J.
Mention the Florists' Exchange when writing.



Mention the Florists' Exchange when writing.

SCHMIDT'S PANSIES
HAVE NO EQUAL.
New crop now ready; no matter what you pay, you cannot get a better strain; ¼ oz., $1.25; ½ oz., $2.00; oz., $4.00.
J. C. SCHMIDT, Bristol, Pa.
Mention the Florists' Exchange when writing.

Pansies Worth Raising
SEED AS USUAL
⅛ oz.....$1.00
1 oz..... 4.00
CHR. SOLTAU, 199 Grant Avenue, Jersey City, N. J.
Mention the Florists' Exchange when writing.

ZIRNGIEBEL
GIANT MARKET and FANCY PANSIES are the Leading Strains to date for size and color.
Trade packages of either strain at one dollar each. Full directions with every order; new crop of seed after July 1st.
DENYS ZIRNGIEBEL, Needham, Mass.
Mention the Florists' Exchange when writing.

SEED!=PANSIES=SEED!
Roemer's Superb Prize Pansies.
Improved strain, new crop ready now. (My own growing.) This new mixture is saved from the very finest selected plants from all leading novelties of art colors, without doubt the finest strain in the market to-day.
Mixed, per pkt. of 3000 seeds $1; ¼ oz., $1.50; ½ oz., $2.50; 1 oz., $5.00. Cash with order.
PETER BROWN, Lancaster, Pa.
Grower of extra fine Pansies.
Plants Ready September 15th.
Mention the Florists' Exchange when writing.

PANSIES
From Seed Bed, $3.50 per 1000.
A Good assortment of Hardy Plants in Spring and Fall, such as Coreopsis, Veronica, Iris, Funkia, Lemon Lily, Aster, Phlox, Helenium A. Superbum, Lychnis, Larkspur, Digitalis, Antirrhinum, Myosotis, Mist and other hardy stock. Cash with order, please.
W. C. JENNISON, Natick, Mass.
Mention the Florists' Exchange when writing.

VAUTIER'S
MAMMOTH PANSY
New crop seed now ready. This is the largest and finest Pansy ever offered. We have testimonials from florists from all parts of the U. S praising its size and merits. Trade packet, $1.00; oz., $4.00.
H. G. FAUST, 61 and 60 N. Front St., Philadelphia, Pa.
Mention the Florists' Exchange when writing.

XXX PANSY SEED
If you want the finest large and fragrant Pansy flowers, try Woodbury's Noted Seeds.
SEVEN PKTS. (700 seeds), FINE ASSORTED, 50c.
Finest German and Giant Flowered French strains, blended or either separate, 2000 seeds, 50c.; ¼ oz., $1.00; oz., $4.00. List free.
DAVID B. WOODBURY, South Paris, Maine
Pansy Specialist.

PANSIES
The Jennings Strain
Of large flowered show and fancy Pansy Seed. New crop now ready. My 1900 Strain cannot be excelled, and is sure to give the highest satisfaction.
Finest Mixed, pkt., $1.00; ½ oz., $2.50; 1 oz., $5. Yellow, White, Blue and Black, in separate colors, 50c. per pkt., postpaid. Small Pansies, 60c. per 100, by mail.
Cash with order.
E. B. JENNINGS, Lock Box, 254, Southport, Conn
Grower of the finest Pansies.

HERR'S PANSIES
ALWAYS THE BEST and better every year.
They sell themselves. Try a hundred as an experiment.
Plants only, and ready October 1st to January 1st. Free by mail, 75c. per 100; 250 for $1.50; 500 for $2.50.
By Express, at your expense, $4.00 per 1000.
ALBERT M. HERR, Lancaster, Pa.

ESTABLISHED 1802
THORBURN'S SEEDS
We have still left some fresh seeds of the following PALMS in fine condition:
KENTIA FORSTERIANA
per 1000, $4.00; 5000 to 10,000, $3.50; 10,000 and over, $3.00.
—ALSO—
CYCAS REVOLUTA STEMS
in assorted sizes, 3 lbs. to 12 lbs., $5 per 100 lbs., while unsold.
J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK
Mention the Florists' Exchange when writing.

STRAWBERRIES Pot-grown, immediate delivery. Prices upon application.
EVERGREENS For August planting, in fine assortment.
MANETTI For grafting for December delivery.
HARDY NURSERY STOCK Of selected quality.
ROSES For forcing.
Correspondence a Pleasure.
HIRAM T. JONES, Union County Nurseries, **Elizabeth, N. J.**
Mention the Florists' Exchange when writing.

TREES Fruit Trees, Small Fruits, including grapes. Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.
ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. **Rochester, N. Y.**
Mention the Florists' Exchange when writing.

ANDORRA NURSERIES
WILLIAM WARNER HARPER, Prop., Chestnut Hill, Philadelphia, Pa.
SPECIALTIES: Large Specimen Ornamental Trees. Large Hardy Rhododendrons and Azaleas.
Mention the Florists' Exchange when writing.

THE STORRS & HARRISON CO., Painesville, Ohio.
Desire to call the attention of Florists and Nurserymen to their 40 acres of **HARDY ROSES,** their complete assortment of **FRUIT** and **ORNAMENTAL TREES** and **SHRUBS,** and their 44 Greenhouses of **ROSES, PALMS, FICUS, FERNS, ETC.**
Correspondence and personal inspection solicited. Trade List and Catalogues fre

F. & F. NURSERIES SPRINGFIELD, NEW JERSEY.
Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.

FRUIT and ORNAMENTAL TREES,
Shrubs, Vines and Roses
Write for price list or send your lists of wants for special prices.
W. & T. SMITH CO., Geneva, N. Y.

ARAUCARIA EXCELSA 5½ inch pots, 3 tiers, from 9 to 11 inches high, 80 cts.; some for 70 cts., a little smaller
Ficus Elastica (Rubbers), 6 inch pots, from 18 inches upwards, 50 cts. each; $5.00 per doz. (very fine).
Boston Ferns, 4 inch pots, $2.00 per doz.
Umbrella Plants, 3 inch pots, $5.00 per 100
Tuberous Rooted Begonia, 4 inch pots, mostly white, etc., 75 cts. per doz.
Heliotropes for winter-blooming, fine plants, $5.00 per 100.
Godfrey Aschmann, 1012 Ontario St., Rising Sun, PHILADELPHIA, PA.
Mention the Florists' Exchange when writing

SURPLUS FOR SPRING 1900
Can yet do **PEACHES** and **JAPAN PLUMS** in limited quantity; also **MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY STRAWBERRIES** from best leading varieties.
Prices for same given upon application.
MILFORD NURSERIES, Milford, Del.
ALEX. PULLEN, PROPRIETOR.
Mention the Florists' Exchange when writing.

CELERY and CABBAGE
CELERY Pink Plume and New Rose (extra strong), Boston Market, Giant Pascal, White Plume and other varieties, 15 cts. per 100; $1.00 per 1000; $8.50 per 10,000.
CABBAGE H. Succession, Second Early, Premium Flat Dutch, Late Drumhead, Drumhead Savoy, and other vars., 15 cts. per 100; $1.00 per 1000; $8.50 per 10,000.
KALE Dwarf Green Curled Scotch, same price as Cabbage.
If any of the above plants by mail, add 10 cts. per 100.
Cash with order.
R. VINCENT, JR., & SON, White Marsh, Md.

P. OUWERKERK
1123 Summit Ave., Jersey City, N. J.
Just received from our Holland Nurseries
RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM,
PÆONIES, BLEEDING HEART,
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.
PRICES MODERATE.
Mention the Florists' Exchange when writing.

CELERY All leading varieties, extra stocky plants, at $1.00 per 1000. **Cabbage Plants,** 5 varieties, fine plants, $1.00 per 1000.
J. C. SCHMIDT, Bristol, Pa.
Mention the Florists' Exchange when writing.

Yucca Filamentosa
Fine, large plants, **$10.00 per 100.**
SAMUEL C. MOON, Morrisville, Pa.
BUCKS CO.
Mention the Florists' Exchange when writing.

RHODODENDRONS
Native Rhododendrons; well furnished plants, all sizes. Prices on application.
A. E. WOHLERT, Altoona, Pa.
Mention the Florists' Exchange when writing.

ENGLISH IVY!
Strong plants, tops 15 inches and over, from deep 3 inch pots, $5.00 per 100.
THOMAS MEEHAN & SONS, Nurserymen
Germantown, PHILA., PA.

THE PINEHURST NURSERIES,
OTTO KATZENSTEIN, Mgr., PINEHURST, N. C.
Make a specialty of North Carolina native woody and herbaceous plants and seeds, especially of those of the pine-barren section. Among the most interesting shrubs are: Andromeda nitida, Fothergilla alnifolia, Ilex glabra, I. opaca, I. verticillata, Myrica pumila, Smilax laurifolia, S. walteri, etc., etc. Among the perennials: Asclepias tuberosa, Clitoria mariana, Diousea muscipula, Lupinus diffusus, Phlox subulata, Sarracenias, etc., etc. **Ask for Trade Lists.**
Mention the Florists' Exchange when writing.

CHOICE FERNS IN FLATS.
100,000 at One Cent.
JOHN H. LEY, Good Hope, Washington, D. C.
Can supply very good, hardy plants, which, potted now, will fill a 2½ in. pot in a few weeks, best market sorts. Have sent by mail and express to every State and Canada, and have given universal satisfaction.
Sample 100 mailed, $1.25
1000, in 10 Sorts, by Express, $10.00.
Pteris Cretica Alba, P. Adiantoides, P. Longifolia, P. Hastata, P. Sulcata, P. Tremula, Adiantum Grandiceps, Nephrodium Cristatum, Lygodium Lomaria Gibba, Selaginellas, &c., &c.,
POST ORDERS, GOOD HOPE, D. C.
Mention the Florists' Exchange when writing.

Cleveland.

Trade Notes.

The past few days have been the hottest of the season, with the thermometer on the street level registering from ninety to one hundred degrees. Such weather conditions, of course, have a depressing effect upon all lines of trade, and the florists' trade suffers with the rest. Withal, storekeepers report a fairly good business for the present period; funeral work constitutes the greater portion doing at this time. This consumes large quantities of present offerings of the growers. With the exception of good grades of roses and carnations, flowers are very abundant. Roses are small and of poor color; the hot weather seems to have bleached them until there is not much color left in the blooms. Carnations are reported unusually scarce, and what stock is offered is of very poor quality; good blooms are eagerly sought after. Prices now obtaining are 50c. per hundred for short stem stock, and $1.00 per hundred for best. Rose prices do not vary from former quotations; seconds move slowly at $1.00 and $2.00 per hundred, and the best blooms brought in by local growers do not fetch over $4.00 and $5.00 per hundred. The former grade is bought largely by street men, and offered at 15c. per dozen. Essex Greenhouses, located at Coe Ridge, O., are consigning considerable quantities of short stem Beauty to one of the wholesale establishments here; this stock brings $3.00, $5.00, $8.00 and $10.00 per hundred, according to quality. Some very fine flowers of Meteor were seen; these, however, were from distant points.

Asters are becoming plentiful and are seen on every hand. The ruling price is $1 and $1.50 per 100, but in some instances, where the blooms are not of best grade, not over 50c. is realized. Gladiolus flowers are in large supply, and form an important part of nearly every window display. The blooms are right in their prime at the present time, and some very fine spikes are exhibited. These move well at $1.50 per 100 spikes. Sweet peas are very abundant, and large quantities are wasted; they do not bring over $1 per 1,000. Carl Hageaburger, of Mentor, Ohio, is the first grower to bring in cosmos; he put several bunches of nice blooms in market last week. This is the only cosmos seen here so far this season. There are large lots of Japanese lilies offered by the growers, and $5 is the outside figure paid by the retailers for auratum blooms. These retail at $2 and $3 per dozen, while rubrum and album flowers retail for $1 per dozen. Other retail prices are as follows: roses, $1 per dozen; carnations, 35c. per dozen; gladiolus, 50c. and 75c. per dozen spikes; asters, 50c. per dozen.

A few dahlias are coming in; rudbeckia, coreopsis, larkspur and helianthus flowers are on hand in large quantities.

News Notes.

Jas. Eastwell, with Smith & Fetters, spent several days of last week in Chicago.

Paul Kunze, Rice avenue and Harvard streets, who succeeded Kunze Bros., last Fall, is making extensive alterations in heating apparatus throughout his entire range of houses.

Bate Bros., wholesale growers and cut flower commission dealers, with houses at Collamer, Ohio, recently purchased the greenhouses belonging to G. W. Heiser, and are removing same on to leased ground on Collamer avenue, East Cleveland. Their plant, when completed, will consist of seven houses, 150 x 14 feet, which will be given up exclusively to the growing of roses and carnations, and two smaller houses, one of which will be devoted to the growing of adiantum and the other to miscellaneous stock. Bate Bros. operate a wholesale cut flower store at 228 Euclid avenue.

An extensive and unique decoration was that at the banquet tendered to the Government River and Harbor Commission by the Chamber of Commerce, at the Hollenden Hotel on Thursday evening, 9th inst. The dining table itself represented a white steam yacht, and was 60 feet long by 12 feet wide. The entire deck of the boat was a solid mass of flowers, principally asters; a space of two feet on either side of the deck afforded room for dishes, etc. The smokestack was made of smilax, and in the center of this floral yacht, which was decorated with the national colors, was a 10-foot mast, carrying a pennant, upon which were the words "Greater Cleveland." Corsages of red and white roses, tied with blue ribbon, were worn by the ladies, and boutonnieres of red and white carnations, tied with blue ribbon, by the gentlemen. The decoration was designed and executed by Ella Grant Wilson.

R. Roberts, of this city, and well-known among the Cleveland florists, has secured the greenhouse establishment belonging to the estate of E. J. Paddock (deceased) for a term of years. These houses are located in Newburg, a suburb of Cleveland; Mr. Roberts' lease of the premises commenced on August 1. His specialties will be roses, carnations and chrysanthemums.

Mr. and Mrs. Jas. Eadie, Miss Jennie Eadie, also Mr. and Mrs. Adam Graham left Wednesday, August 8, for Atlantic City, N. J., where they will remain until the Convention opens at New York.

Miss Mae Evans, with J. M. Gasser, has just returned from a two weeks' stay at Cambridge Springs and Bethesda, Ohio. H. B. Jones, also with Mr. Gasser, is back to his post after a month's stay at Philadelphia and other Eastern points.

L. F. Darnell is spending his vacation as his old home at Cumberland, Md.

Miss McCullough is also absent from the city, and is spending her vacation with friends in the East.

As near as can be ascertained at the present time, about fifteen of the Cleveland florists will attend the Convention.

G. A. T.

Pittsburg.

Business Bits.

Up to the present time the florists' trade has been far better than it ever was before during Summer, with good prospects of a continuance of the same conditions until Fall trade begins. A large amount of funeral work was put up the past week. The demand for flowers at funerals has increased wonderfully the past few years, and prices paid for floral pieces are far better than they ever were before.

No great variety of stock is to be had just now—asters, gladiolus and a few lilies are the principal flowers used. Carnations are mighty scarce, and roses not any too plentiful. Asters, so far, are of fair quality and in good supply. Last week's hot weather was very hard on stock under glass and outdoors. Not a drop of rain and the thermometer in the middle nineties for eight days in succession—the longest hot spell we have had for many years.

News Jottings.

J. B. Murdoch is making extensive alterations in his store room. A new tile floor, new metal ceiling, and a change in the front, giving a nice show window, are among the improvements. On account of this work, Mr. Murdoch will be prevented from attending the Convention in New York.

T. P. Langhans, of the Pittsburg Cut Flower Co., and Secretary of the Florist's Club, is off on his vacation in the mountains, and will also be missed in New York.

Club and Convention Items.

The August meeting of the Florists' Club was unusually well attended, and all arrangements were completed for the trip to the Convention. This is the second time the Florists' Club has started out almost a week ahead of the Convention, on a pleasure trip. Thursday morning, August 16, a party of about forty left Pittsburg in a special Pullman coach for Atlantic City, getting there the same night. They will spend the time there until the following Monday, then, by an early train, will proceed to Philadelphia to spend the day with the Philadelphia florists, who have kindly invited wanderers passing through on their way to New York to eat and drink with them and be merry. Then, with our Philadelphia brethren, Monday afternoon, we shall leave for New York. There are a few members who cannot conveniently leave before Sunday or Monday, and will travel on the certificate plan, so that there will be from forty to fifty, all told, including ladies. The Pittsburg florists on the Atlantic City excursion should ask for certificate when purchasing tickets from Philadelphia to New York, as a saving of about 65 cents can thereby be effected.

E. C. R.

Charleston, W. Va.

J. R. Shaver, florist, dropped dead, August 10, of heart failure. He came from Huntingdon, Pa., in 1870.

C. H. JOOSTEN

Offers at SPECIAL LOW CASH PRICE, for immediate delivery, BERMUDA LILIUM LONGIFLORUM, select bulbs, 5 to 7 and 7 to 9.

For prices, stating quantity wanted, address 85 DEY STREET, NEW YORK.

Mention the Florists' Exchange when writing.

ORCHIDS

Arrived fresh from the woods in fine condition. **Lælia Anceps, L. Autumnalis, L. Crispa, L. Flava, L. Grandis, Tenebrosa, L. Perrinii, Oncidium Varicosum Rogersii, Cattleya Percivaliana,** and **C. Mossiæ.**

CORRESPONDENCE SOLICITED.

LAGER & HURRELL, Summit, N. J.

Mention the Florists' Exchange when writing.

25,000 SMILAX That will grow and make strings this fall. From 2 inch pots, $1.50 per 100; $13 00 per 1000. From flats, by mail, 50c. per 100; $4.00 per 1000 Send for samples.

CASH WITH ORDER.

FRED BOERNER, Cape May City, N. J.

Mention the Florists' Exchange when writing.

SMILAX.

2 inch, strong plants, $1.25 per 100; $10.00 per 1000.

COLEUS, R. C., 70 cents per 100; $5.00 per 1000, prepaid.

C. HUMFELD, Verbena King, **Clay Center, Kan.**

Mention the Florists' Exchange when writing.

600 FINE SMILAX PLANTS

2½ Inch Pots, $2.00 per 100.

CASH WITH ORDER.

WM. KEIR, - Pikesville, Md.

Mention the Florists' Exchange when writing.

SMILAX!

From 2¼ in. pots, $2 per 100; $18 per 1000.

Cash with Order, Please.

B. H. TROWBRIDGE, Fishkill Village, N. Y.

MOUNT HONNES CONSERVATORIES.

Mention the Florists' Exchange when writing.

20,000 SMILAX

Nice thrifty, 2 in., per 100, $1.25; per 1000, $10.00.

Primula Forbesi (Baby Primrose), extra fine plants from 3 in. pots, ready for 4s and 5s, only $5.00 per 100.

Primula Obconica Grandiflora, 2 in., $2.50 per 100.

Primula Obconica Grandiflora Roseu, 2 in., $2.50 per 100

Begonia Rex, 15 varieties, 3 inch, $5.00 per 100.

Cyperus Alternifolius, 3 in., fine, 5 to 8 steme, $5.00 per 100. Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Mention the Florists' Exchange when writing.

60,000 DAHLIAS

For Fall Delivery.

All the best and newer varieties. Stock first-class. Prices right.

A. B. DAVIS & SON, Purcellville, Va.

Mention the Florists' Exchange when writing.

CINERARIAS We grow an immense quantity of a superb strain; transplanted in flats, $1.50 per 100; 400 for $5.00. 2¼ in., $2.00 per 100; 300 for $5.00. 3 in., $3.00 per 100; 400 for $10.00.

Chinese Primula, 2¼ in., $2.00 per 100; 3 in., $3 00 per 100.

Cyclamen Persicum Giguntеum, 2¼ in., $4.00 per 100; 3 in., $6.00 per 100.

These are all for Christmas flowering.

WHITTON & SONS, Wholesale Florists, City and Green Sts., - - **UTICA, N. Y.**

Mention the Florists' Exchange when writing.

Dracæna Indivisa 2 in. pots, per 100, $3.00; 1000, $25.00. **Hollyhock,** Double Royal, white, trd. pkt., 25c.; oz., $1.00; fine mixed, pkt., 20c.; oz., 75c. **Carnation,** hardy double Grenadin, trd. pkt., 25c.; oz., $1.50; Early Double, white, hardy, trd. pkt., 25c.; oz., $2.00. **Wall Flower,** double brown flower, trd. pkt., 50c. **Bellis Perennis,** Longfellow Daisy, double red, trd. pkt., 25c.; oz., $1 75; double white, trd. pkt., 25c.; double mixed, trd. pkt., 10c.; oz., $1.00. **Myosotis,** dwarf Victoria, blue, extra trd. pkt., 25c.; oz., $2.00. **Sweet William,** dwarf, mixed, trd. pkt., 10c.; oz., 75c. **Scotch Pink,** double, mixed, trd. pkt., 20c. N. B.—All these seeds are of 1900's crop, guaranteed to give satisfaction, or no pay. Sample free.

BEAULIEU, Walker and Belmont Aves., **Woodhaven, N. Y. City**

Mention the Florists' Exchange when writing.

ASTER PLANTS

Fine, stocky plants from the field.

Ostrich Feathers, Queen of the Market, Semple's, Victoria, Vick's and Truffaut's Perfection, 35c. per 100; 500 for $1.00; $1.75 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

Asparagus Plumosus Nanus Fine young plants $5.00 per 100.

Begonia Rex Strong, 3 in. pot plants, in good assortment, $6.00 per 100.

Cyperus Alternifolius 2½ inch pots, $3 00 per 100.

Cyclamen Dry Bulbs, finest strain mixed, $3 00 per 100.

Carex Japonica Variegata An excellent decorative grass. Extra strong plants, from 2½ in. pots, $5.00 per 100,

Nephrolepis Cordifolia 2½ in. pots, $3.00 per 100.

Smilax Field-grown, strong climps, $3.00 per 100; Extra heavy, $5 00 per 100.

NATHAN SMITH & SON,

ADRIAN, MICH.

Mention the Florists' Exchange when writing.

GERANIUMS

Gen. Grant, S. A. Nutt, La Favorite, Le Contable, Mountain of Snow and Mme Bruant in mass and other varieties.

Dbl. Petunias, Echeveria Secunda Glauca, Cannas, Dahlias, Pansies, Carnations.

WM. STUPPE, Hollis, L. I., N. Y.

Mention the Florists' Exchange when writing

XXX STOCK For Immediate Shipment.

Cyclamen Persicum Splendeus Giganteum, finest strain in the world. Now ready to ship a splendid stock of plants in 4 true colors—red, white, pink, and white with carmine eye—from 2½ in. pots, $5.00 per 100; $40.00 per 1000; from 3 in. pots, $7 00 per 100; $60.00 per 1000; 250 at the 1000 rate.

Chinese Primroses (fringed), single and double, in the finest market vars., from 2¼ in. pots, $2.50 per 100.

Begonia Rex (rooted cuttings), in 12 var., mixed, $1.50 per 100; assorted, $2.00 per 100.

Cinerarias Hyb. Maxima Grandiflora, transplanted from flats, $1.50 per 100; $12.50 per 1000; from 2¼ in. pots, $2.50 per 100; $20.00 per 1000; 250 at the 1000 rate.

ALL STOCK GUARANTEED A No. 1.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

CHINESE PRIMROSES

50,000 Finest large-flowering fringed, per 1000, $17.00; per 100, $2.00.
Obconica Grandifl. and **Roseu,** ready Sept. 1st, per 100, $2.00.

ASPARAGUS SPRENGERI, $3.00 per 100. **PLUMOSUS,** $4.00 per 100. | **PANSY SEED** Large Flowering, per ounce, $4.00.

CINERARIA, August 20, $2.00 per 100.

Cash, please. **JOS. H. CUNNINGHAM, Delaware, Ohio**

FALL, 1900 30,000 Violets and Carnations, &c.

10,000 2½ inch Pot Plants, Marie Louise, L. H. Campbell, and Swanley White. $3.00 per 100, from 2½ inch pots, clean. Also California and Luxonne, from flats, $1.50 per 100.

10,000 Field Clumps, Fine—Princess Wales, $6.00 per 100; L. H Campbell and Luxonne, $5.00 per 100; California, $3.00 per 100.

10,000 Field-Grown Carnations, for Sept. delivery—McGowan, Portia and Scotts—$3.50 per 100, or $30.00 per 1000.

2000 fine, bushy, 2½ inch **Smilax,** $1.50 per 100.

200 Double Sweet Alyssum, bushy, for Winter, $2.50 per 100.

Asparagus Sprengeri, 6 inch, 20c.; 5 in., 15c.

Cash, Please. **BENJ. CONNELL, Florist, WEST GROVE, PA.**

Mention the Florists' Exchange when writing.

PRIMROSES

Improved Chinese, ready for 3 in. pots. Well known throughout the U. S. and Canada as the finest large-flowering fringed varieties grown. **Singles,** named, $2.00 per 100; $17.00 per 1000. **Doubles,** named, $3.50 per 100. Extras added to help pay expressage. **Primrose Seed,** of best 15 vars, single and double, mixed, 500 seeds, $1.00; half packet, 50 cts.

Primula Obconica Grand Hybrida, The very finest hybrid varieties, of various shades; large flowering and truly grand, $3.00 per hundred.

Cinerarias, Finest large flowering dwarf varieties; mixed colors, $2.00 per 100.

FINEST GIANT PANSY SEED.

The very best of mammoth varieties; no finer ever offered; all the seed plants critically selected. **Sow the Best.** Packet, 3500 seeds, $1.00; half pkt., 50cts A packet of the grand new dwarf Forget-Me-Not, "Blue Beauty," added to every seed order. Strictly cash prices.

The Home of Primroses, **JOHN F. RUPP, Shiremanstown, Pa.**

Mention the Florists' Exchange when writing.

PLANTS AND ROOTED CUTTINGS

	Per 100
Asparagus—	
Plumosus, 2¼ in.	$5 00
Sprengeri, 2 in.	3.00
" 2¼ in.	4.00
Begonia, Rex, 2¼ in.	4.00
" " 3 in.	6.00
" " 3½ in.	6.00
Baby Primrose, 2¼ in.	4.00
Cyperus (Umbrella Palm) 2¼ in.	4.00
Dracæna Ind., 3 in.	6.00
" 5 in.	25.00
" " 6 in., extra	50.00

	Per 100
Fuchsia, 2¼ in.	$3.00
" 3 in.	4.00
Palm, Washingtonia Filifera, 2¼ in.	4.00
3 in.	6.00
Geraniums—	
Ivy, 3½ in.	4.00
S. A. Nutt, Dbl. Grant, La Favorite, Eliza, Gloire de France, etc., 2¼ in.	3.00
Happy Thought, 2¼ in.	4.00
Dbl. New Life, 2¼ in.	6.00
Heliotrope, 2 in.	3.00

	Per 100
Heliotrope, 4 in.	$6.00
Hydrangea, pink and white, 2¼ in.	5.00
Impatiens Sultani, 2¼ in.	3.00
Lemon Verbena, 2 in.	3.00
Var. Trailing Abutilon, 2¼ in.	4.00
Violets, Farquhar, 2¼ in.	2.50
" 3 in.	3 50
Vinca, 2¼ in.	3.00
" 3 in.	5.00
" 4 in.	10.00
" 5 in.	15.00

ROOTED CUTTINGS.

	Per 100
Anthemis Cor., Dbl. Yellow Marguerite	$1.50
Begonia Rex	2.00
Forget-Me-Not, (Winter-flowering)	2 00
Geraniums— Sweet, in variety	1.50
Named	1.50
Vinca....per 1000, $10.00;	1.25
Snow Crest Daisy	2.00

NOZZLE

For Florists, the best on the market. Send for descriptive circular and prices.

Write us for prices on 1000 lots. Terms, Cash or C. O. D.

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

J. E. FELTHOUSEN,

Rooted Cutting Specialist,

SCHENECTADY, N. Y.

Mention the Florists' Exchange when writing.

GERANIUM AMERICA

The **Queen** of all Geraniums; come and see 3000 plants in full bloom. Good, strong stock plants, out of 4 inch pots, **$2.50** per doz.; **$20.00** per 100.

HENRY EICHHOLZ, Florist, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

STOCK THAT WILL PLEASE

ROSES, Meteor, Bride and Maid, strong, 3½ in. pots, $4.00 per 100.
ASPIDISTRA, Green, $5.00 per 100.
" Variegated, $8.00 per 100.
SMILAX, strong, 2 in., $1.50 per 100.
JERUSALEM CHERRY, 2 in., $1.50 per 100.
FICUS, top cutting fine, $18.00.

A. C. FEHR, Belleville, Ills.

Mention the Florists' Exchange when writing.

THE MORRIS FLORAL CO.,

WHOLESALE GROWERS OF

Plants and Rooted Cuttings,

MORRIS, ILLINOIS.

Mention the Florists' Exchange when writing.

ALTERNANTHERAS

P. Major and **A. Nana,** 2 in. pots, $1.50 per 100.

COLEUS.

Crimson Verschaffeltii and **Golden Queen** or **Bedder,** or mixed, 2 in. pots, $1.50 per 100.

Giant Sweet Alyssum and **Variegated Alyssum,** 2 inch pots, $1.50 per 100. Cash with order

C. A. HARRIS & CO., Delanson, N. Y.

Mention the Florists' Exchange when writing.

VIOLETS. VIOLETS.

Marie Louise, clean and healthy in every particular 3 in. pots, $5.00 per 100; ready. Cash with Order.

WM. J. CHINNICK, - Trenton, N. J.

Mention the Florists' Exchange when writing.

VIOLETS Marie Louise. Healthy from lot, $40.00 per 1000.

ROSES Bride and Bridesmaid. 900 left, go for $25.00.

500 CHRYSANTHEMUMS Robinson and Bonaffon, Go for $12.00.

ROBERT CHESNEY, Montclair, N. J.

Mention the Florists' Exchange when writing.

VIOLETS

6000 March Struck **Farquhar,** 3 inch pots, fine healthy stock.

500 DRACÆNA SANDERIANA, 3 inch, ready for a shift.

State Quantity. Price on Application.

J. R. FREEMAN, 612 18th St. N. W., **Washington, D. C.**

Mention the Florists' Exchange when writing.

VIOLETS!

5000 Marie Louise

From 4 inch pots.

Positively free of all disease and single crowns $5.00 per 100; $40.00 per 1000.

2000 SELAGINELLA

Strong plants, from 3½ inch pots, $6.00 per 100.

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

SITUATION—Young man, 21, 4 years' experience; good propagator and hustler. Louis Rhind, 93½ Hamilton st., Rochester, N. Y.

SITUATION wanted—Rose grower, also carnations, violet and stove plant; single; got reference. W. T., care Florists' Exchange.

SITUATION wanted by a practical florist, single; 14 years' experience in general horticulture, commercial or private place; good references. Address Florist, 237 5th st., New York City.

SITUATION wanted—By a competent grower in any line, married, 16 years' experience; able to take charge; good reference. Address E. S., care Alex Young, 138 Colton St., Springfield, Mass.

WANTED—Situation as manager or foreman, by a first-class, all-around commercial florist; am an expert on carnations, 'mums and bulbs. Address W. S. Phelps, care of Flower Market, 1 Park street, Boston.

SITUATION, as foreman, wanted by a thoroughly competent grower of cut flowers, and plants in general; middle-aged; life experience in this country and abroad; can furnish best of references. W. V., care Florists' Exchange.

SITUATION wanted, by a thoroughly competent grower of roses, violets, carnations, 'mums, and stove plants; life experience; German, married, age 28; furnish good references. State salary paid. Address V. Y., care Florists' Exchange.

FLORIST, 30 years, single, German descent; 14 years' experience, roses, carnations, violets, 'mums, propagating and general stock; experienced store designing, decorating; references; start $9 week. Write Florist, 233 10th ave., N. Y. City.

ROSE AND CARNATION SPECIALIST—'mums and violets if reqnired; age 30; good references. W. Y., care Florists' Exchange.

AN ENERGETIC AND THOROUGHLY reliable young man, 23, of good address; 3 years' experience in growing; wants situation to learn designing, bouquet-making, etc.; wages no object; can wait some time for opening if necessary. W. W., care Florists' Exchange.

HELP WANTED.

A YOUNG man wanted for general greenhouse work; German preferred; state wages. H. Schoelzel, 537 Fulton St., Union Hill, N. J.

WANTED—Assistant for carnations and general cut flowers; give references when applying; state age, married or single, wages expected. John Reck, Bridgeport, Conn.

SALESMAN wanted—For our florist and retail department: Thoroughly experienced in flower seeds and bulbs. Apply by letter. W. W. Rawson & Co., 12 and 13 Faneuil Hall Sq., Boston, Mass.

WANTED—Florist clerk and designer; some knowledge of plants and seeds required; wages $12.00 per week. Apply in person. John Reck, Bridgeport, Conn.

WANTED—Floral decorator; must be artist, good address, long experienced salesman, capable of handling best trade. I will be at N. Y. Convention. Address W.R., Artist, care Florists' Exchange.

WANTED at once—A good florist, to grow roses, carnations, 'mums and general bedding stuff, also to be a successful propagator; steady place; state wages with board; send references. W. Z., care Florists' Exchange.

WANTED—Superintendent, to have entire charge of gentleman's place, comprising about 150 acres, at Morristown, N. J.; must be first-class gardener, thoroughly experienced in all branches of gardening, and be familiar with stock and farming. Reply, stating terms, to O. H. K., P. O. Box 1193, N. Y.

TRAVELING MAN WANTED, TO SELL bulbs and nursery stock to the florists' trade. Address W. S., care Florists' Exchange.

WANTED—A MAN TO SELL GENERAL garden supplies on the road, to private places. Address W. P., care Florists' Exchange.

WANTED—COMPETENT, RELIABLE foreman for greenhouses; must be well versed in growing roses, carnations and a general line of plants, and experienced in managing men; salary at the rate of $1,000 per year; married man preferred. Address, with references, stating age and experience. L. L. May & Co., St. Paul, Minn.

MISCELLANEOUS WANTS.

WANTED—25 or 50 boxes of 11x14 or 10x14 D. glass, second-hand, and 1,000 feet 2-inch pipe. John McGowan, 9 Park St., Orange, N. J.

MISCELLANEOUS.

FOR SALE—1600 ft. 4 in. cast iron pipe for hot water heating, at 10 cents per foot. Samuel J. Bunting, 58th and Elmwood ave., Philadelphia

FOR SALE—Second-hand sash, 30, 3 ft. x 10 ft.; 39, 3 ft. x 6 ft.; 32, 3 ft. 9 in. x 5 ft. 7 in.; in fair condition; cheap. L. H. Foster, 45 King street, Dorchester, Mass.

FOR SALE—Make me best offer on what you can use of the following: 1¼ pipe, suitable for steam or water; pots, 2 in., 3 in., 4 in.; 2 in. rose pots, good as new; 5 gallon mastica. H. S. Roop, Westminster, Md.

FOR SALE—1200 FEET 4-IN. OAST iron hot water pipe, in 5 ft. lengths, at 9c. per foot, f. o. b. cars. F. Hahman, Harrowgate Lane, Sta. F, Philadelphia.

BUSINESS OPPORTUNITIES.

FLORAL Establishment, for rent or sale; in a thriving town in Ohio, of 1000 inhabitants; 4,000 feet of glass. Inquire of D. Lee, Madison, Ohio.

TO RENT—Greenhouse property at Brighton, Mass., 4 houses, about 4000 feet of glass, and dwelling-house. Apply to Miss S. W. Story, 271 North Beacon street, Brighton, Mass.

MUST be sold at once, 9 greenhouses, with 30,000 ft. capacity, situated 25 miles east of Buffalo, on the N. Y. Central; terms easy, and will be sold at half cost of building. D. Dimock, Corfu, N. Y.

FOR RENT, three greenhouses—without stock; dwelling and stable, if required; convenient to New York market; suitable for growing roses and carnations; city water. W. L., care Florists' Exchange.

SIX GREENHOUSES to let on lease, close to trolly and station; well stocked with roses, carnations, violets and chrysanthemums; a good chance for man with small capital. For full particulars, apply Stanley, Plainfield, N. J.

GREENHOUSE, in live Western town of 5,000 population; good flower town, no competition; nearest greenhouse sixty miles; cheap fuel; $800, cash payment; balance long time, low rate of interest. W. M., care Florists' Exchange.

FOR SALE or rent—One of the best florists' plants in New England. Death took my wife away and I am too old to run the business. Will sell at a sacrifice. This is the chance of a lifetime. For any information address P. Ormley, Worcester, Mass.

OWING to ill health, the City Greenhouse, Hutchinson, Kan., is offered for sale; stock, buildings and land, 2000 feet glass, 30,000 feet land; location two blocks from post office; good opening for a hustling young man. Address S. G. Johnson, Hutchinson, Kan.

FOR SALE—14,000 feet of glass, used mostly for roses, 4 acres of ground and 2 dwelling houses; 3 minutes from station, city improvements, hot and cold water, and good forcing water in greenhouses supplied by Summit Water Co. On account of illness with rheumatism, will sell whole or part interest. A. Harth, Milburn, N. J.

TO LEASE for a term of years, very desirable greenhouse property; two houses, 150x20 and 60x20, heated by steam; over two acres land, sixteen miles from Boston, 3 minutes to station, trains hourly to and from the city; rare chance for rose grower; possession given Sept. 10th. Further particulars, apply to Patrick Welch, 15 Province St., Boston, Mass.

FOR SALE—8 greenhouses, double span, all sashes 3 ft. 9 in. wide, 6x8 glass, bedded in putty and white lead; 1 house, 4x8 ft. sash; 3 houses, 6 ft. sash; 2 houses, 8 ft. sash; 1 house, 8 ft. and 12 ft. sash, all 75 feet long; 1 house, 12 ft. sash, 58 ft. long; 1 house, 12 ft. sash, 78 feet, 8x10 glass; rafters and ridges first-class pine; all in good order; 3500 feet 4 in. pipe. J. G. Pfordt's Sons, 899 Broadway, Albany, N. Y.

BEAUTIFUL ESTATE AND FLORIST BUSINESS, EXETER, N. H., TO BE SOLD AT AUCTION, on the premises, Wednesday, September 5, at 10:30 A. M. (if rainy, the next fair day), unless previously sold at private sale. An ideal home or investment. Don't lose this chance. About 50 acres fine tillage land, fronting on Portsmouth avenue; large 12-room dwelling, hot-water heat, slate roof, etc.; large slate-roof barn, carriage house and carpenter shop, all conveniently and attractively arranged. Live stock, hay, wagons, carriages, all working tools and appliances, and many personal household effects. An extensive and profitable florist business—wholesale growing—long established, included; practically no competition; 15,000 square feet of glass, six large greenhouses, grand soil; sales limited by production only; 5 minutes from business district, electric and steam cars near; adjoins compact part of the town; delightfully situated; town famous for its beauty, refinement and rare educational advantages; Rye, Hampton and Salisbury beaches in easy distances and with electric connections; property should be seen to be appreciated; inspection may be made at any time; present owner to retire from business and remove from town; $500 cash deposit at sale, balance on easy terms. Descriptive and illustrated booklet mailed upon request. Address HAYES ESTATE, Exeter, N. H.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.

Import and Export Statistics.

The following exports and imports of plants, shrubs, and seeds, etc., are for the month of June:

The dutiable imports of plants, shrubs, and vines amounted to $9,206 in June, 1900, against $12,247 in the same month of last year. The free imports of seeds amounted, in June, 1900, to $39,405, against $26,222, the value of the imports of June, 1899. The dutiable imports of seeds amounted to $67,225 in June, 1900, against $19,479 in June of the previous year.

The exports of seeds to other countries amounted to $61,189, against $68,315 in the same month of 1899. The countries to which the United States exported seeds were the United Kingdom, which received shipments to the value of $4,023 in June, 1900, against $9,580 in the same month of 1899. Shipments to France amounted to $2,107, in June, 1900, against $800 in the same month last year.

An increase is noted in the exports of seed this June to British North America, being $21,295, as against $4,486 in June of last year.

BUSINESS OPPORTUNITIES.

TO LEASE, on excellent terms, a fine acreage of land situated within one hour of New York. Very accessible, with large and commodious greenhouses, flower gardens, dairy, large brick buildings for cows and horses. Land capable of raising all kinds of products, shrubs, trees, etc. Will lease whole, or in part, to suit. Owner having a piece of land within easy reach of the above is willing to pay for the care and work on the same if terms can be agreed upon. Particulars may be had by addressing Talbot Root, 27 Pine street, New York City.

BY J. WALTER BRADLEE, Auctioneer, 23 Court St., Boston. Chance of a lifetime for a florist. Four greenhouses, with two acres of land, on Thacher street, off Blue Hills Parkway, Milton, Mass., will be sold at public auction on Wednesday, August 22, 1900, at 3 o'clock P. M., all and singular the entire plant of Edward E. Saunders, florist, together with a large assortment of bedding plants, pots, and general fittings, tools, etc., to be sold in lots to suit. This property is very desirably located, within seven miles of Boston proper, five minutes walk to steam and electric cars to Boston; electric cars to Brockton pass the property. The business has been carried on for a period of 20 years, and offers an unusual opportunity to secure a plant so centrally located for a man to increase his business, as the local florists cannot begin to supply the demand. Any florist who understands pleasing the public is assured of success from the start. Terms: $300. Cash deposit required at time of sale. For further particulars apply to the auctioneer.

L. USSING'S GREENHOUSE PROPERTY Exchange, 53 W. 28th St., New York (with G. E. Bradshaw). Telephone, 1239 Madison Sq. Sell, rent or exchange at all times.

MUSHROOM PLANTS—TO RENT, 4 houses, 20x60 ft. each, capacity 6000 lbs., 5½ miles from Philadelphia; every facility; market for all grown; established trade. Address P. O. Box 96, Yeadore, Pa.

FOR SALE OR RENT, CHEAP TO RE-sponsible party, on account death, a first-class place, built last year, New Jersey, 6 miles from New York; size, 200x300 feet; splendid soil and sod; one 3-4 span house, 150x20; one house 115x10; frames, heatable; small dwelling, city water; houses and outdoor wall stocked with cut flowers. Sold on easy terms. Rent $25 per month. W. O., care Florists' Exchange.



New York.—The bowlers met Monday afternoon, and the following scores are the results of their efforts:

	1	2	3
F. H. Traendly	194	169	157
A. S. Burns	126	169	147
W. Liebenheller	143	153	123
W. J. Stewart	96	114	166
T. Roehrs	139	175	122
J. Thielmann	128	154	194
J. A. Manda	..	159	185
J. H. Troy	..	100	135
L. Schmutz	..	119	..
P. O'Mara	..	172	..
W. H. Siebrecht	..	118	..
A. Le Moult	..	132	..
A. H. Langjahr	..	103	..
W. Marshall	..	115	..

Mr. John Westcott, of Philadelphia, Pa., a member of the National Florists' Bowling League, was in the city on Monday, and the schedule of prizes for the coming tournament was arranged. It was decided that all teams wishing to participate must notify the chairman of the Sports Committee (Mr. Theo. Roehrs) at least 48 hours before the tournament begins.

As the Queen of Edgely and the Edmund M. Wood trophies are being offered through the National Bowling League, all clubs wishing to compete for these prizes must become members of the League. There is no fee required to join the League; all that is necessary is to notify Mr. Roehrs, 511 East 176th street, New York, or at the Convention hall previous to the needed 48 hours.

Teams are to consist of six players, with three substitutes, the names of all of whom must be forwarded at the same time as the notification of entry.

The prizes will be awarded as follows:

The Lord and Burnham Co. cup will go to the team making the highest total in the three tournament games.

The cup given by Hitchings & Co. will go to the team making the highest score in the third game.

The Queen of Edgeley cup will be awarded to the team having the highest scores in the first two games.

Each of the above prizes has to be won twice before becoming the property of the winners.

The Edmund M. Wood cup will be given to the club having the highest total score in the three games. This prize becomes the property of the winning team when won the first time.

The Detroit trophy will be given the club making the highest score in any one of the three games. This prize has to be won twice; it was captured last year by the Philadelphia team.

The list of individual prizes offered is as follows:

Silver cup, presented by Theo. J. Lang, for the highest average in the three games.

Silver cup, donated by Traendly & Schenck, for the highest score in any one game.

Gold medal, donated by Theo. Roehrs, to the individual making the highest three scores.

Gold mounted fountain pen, donated by J. K. Allen, to the player making the greatest number of strikes.

One box of cigars, given by F. Brinkama, to the player making the most spares.

For the individual games, outside the tournament, and which will be played at the close, John I. Raynor offers a gold medal to the player making the highest score.

W. F. Sheridan gives a silk umbrella, for the next highest, and Fitzgerald & Hammond, a cigar case, for the third highest score.

In the Ladies' Contest, Cleary & Co. offer a bronze vase for the highest score; A. H. Hews & Co., a jardiniere for the second highest; and Dana, the photographer, one dozen photographs for the third highest score.

Chicago.—The bowlers are determined to keep their hands in, even if the weather be hot. Kindly look over some of these scores; they will bear examination, and if some of the prizes do not go to Scott's "musical team, or human calliopes" (fie, fie, Scott, to so name the quiet, orderly Chicago boys), then I am no guesser.

	1	2	3	4	5	6	7
Asmus	123	193	199	186	..	..	..
Balluff	165	120	209	160	172	128	171
Degnan	186	135	164	187	136	188	141
Heffron	163	110	94	183	133	..	..
Winterson	203	151	213	190	143	177	..

ESS.

WE CALL ATTENTION

TO OUR EXHIBIT OF SAMPLES OF **Palms, Crotons, Etc.**

—AT—

CONVENTION EXHIBITION

We have a more complete collection at our nurseries, which you are cordially invited to call and inspect.

ROBT. CRAIG & SON, 49th and Market Streets, **Philadelphia, Pa.**

Mention the Florists' Exchange when writing.

HELLER'S MICE PROOF SEED CASES.

Call and see our Exhibit

At the CONVENTION AND EXHIBITION of the S.A.F., Aug. 21st to 24th, or send for our latest Catalogue.

HELLER & CO., Montclair, N. J.

Mention the Florists' Exchange when writing.

Boston.—Nine bowlers put in an appearance at the alleys Monday night for the next to the last practice game. Some fair scores were made, but all acknowledged that they were holding back for next week. The team is to meet again Friday night, and better work is anticipated. The scores Monday were as under:

	1	2	3	4
G. A. Sutherland	148	161	125	154
W. J. Martin	139	149	115	136
J. Rough, Jr.	106	103	115	91
J. Rough	88	93	..	83
W. W. Tailby	91	74	83	..
F. J. Norton	135	106	142	157
W. Ewell	122	101	116	..
L. Cotter	..	122	107	..
M. H. Norton	..	..	141	126

F. J. N.

Flatbush, N. Y.—This club met in the alleys at corner Jay and Fulton streets, Brooklyn, N. Y., on Tuesday, the 14th inst. The scores were as under:

	1	2	3
J. I. Raynor	165	143	136
D. Y. Mellis	148	150	181
A. Zeller	151	153	158
E. Dailledouze	170	137	143
L. Schmutz	159	176	137
P. Dailledouze	157	131	139
P. Riley	132	149	178
W. J. Stewart	125	152	138
F. H. Traendly	..	165	146
J. I. Donlan	..	123	139

Mr. Rudd, (and others) on Bowling.

There are to be found everywhere those, myself included, who are surcharged with gratuitous advice and opinions on matters that may or may not be of the slightest personal concern to them, and these they are continually emitting.

I am, however, not going to inflict any unsought counsel on this occasion, but simply to ask a question or two.

Mr. Rudd says in a recent letter to his organ: "Bowling is all right," etc. How does he know? Has anyone ever seen Rudd in shirt waist on the alleys?

He further ventures the assertion, "No one who does not enjoy those things is compelled to attend the contests much less to enter them." This is what I would term innocuous philosophy, well worthy of a green(wood) sage. Again comes another streak of wisdom more profound than the first—"too much pleasure is, of course, bad for business." What "monster in human form" can gainsay its truth? And, obversely, too much business is bad—for what? But who has ever heard of the business of an S. A. F. Convention being impaired by the accompanying pleasure had on these occasions?

Then comes the "unkindest cut of all," —"Some few of those cups and other trophies * * * might well have been given for contests more strictly horticultural." Zounds! as if it were not man's prerogative to give cups and trophies for whatever purpose to him seemeth meet! Such a reward for magnanimity! But why should Brother Rudd sneer at the generosity of his fellow-beings, or how applied? There is always a way left open to remedy this unpardonable sin by the scoffer himself giving cups for more strictly horticultural contests—e. g., flowers of speech.

Rudd's unsolicited "opinion" (I say it with fear and trembling) is but the echo of the wail of one living in (or among) the dead—past. There is not enough life in it to help one make a "poodle."

R. ELWOB.

Convention News Each Day

THE **SPECIAL DAILY MORNING EDITIONS** of the **Florists' Exchange,** to be issued August 21, 22, 23 and 24, will each contain all the Convention news of the previous day. Copies will be distributed free to all delegates, and will be mailed to any address on receipt of **Ten Cents,** to cover postage.

If you want to keep posted, send your order at once, and be in time for the first (**Tuesday's**) issue.

THE FLORISTS' EXCHANGE,

P. O. Box 1697, New York.

Louisville, Ky.

Milton Reimers, the seven-year-old son of E. G. Reimers, the Baxter avenue florist, had a narrow escape from drowning last Sunday, in Green Lake, Wisconsin, his life being saved by the bravery of his brother Karl, aged ten, and that of Joe Scholtz, the ten-year-old son of the president of the Dennnzio Fruit Company. Unstinted praise is given Joe and Karl for their bravery, and gold medals have been ordered, and will be presented to them in a manner befitting their heroism.

J. S.

ROSES

Perle	Sunset
K. A. Victoria	Souv. de Wootton

Strong clean plants, from 3 in. pots, $7.00 per 100; $65.00 per 1000.

Brides	Golden Gate
Bridesmaid	La France
Bon Silene	Maid of Honor
Duchess of Albany	Mermet

Strong, clean plants from 3 in. pots, $6.00 per 100; $55.00 per 1000.

LIBERTY 12 plants for $1 20
25 " " 2 50
50 " " 4 00
100 " " 8 00

CHRYSANTHEMUMS

Mrs. Barr, Silver Wedding, all fine varieties, strong plants, from 2¼ in. pots, $4.00 per 100.

Dorothy Devins	Black Hawk
Elvena	J. H. Woodford
H. W. Longfellow	Iora
H. L. Sunderbruch	Mrs. H. Weeks
Miss Helen Wright	Maude Adams
Pitcher & Manda	Belle of Castlewood
Pride	Helen Bloodgood
B. M. Giroud	Marguerite Graham
J. H. Troy	Minerva
Mrs. S. Humphreys	Riverside
Mme. F. Bergmann	T. B. Morse
	W. H. Lincoln

Strong plants, from 2¼ inch pots, $2.50 per 100; $20.00 per 1000, for our selection of above varieties.

SMILAX strong plants, from 2¼ in. pots, $2.50 per 100; $18.00 per 1000.

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

FIELD-GROWN CARNATIONS

Glacier, Evanston, Jubilee, Armazindy, Victor, A. Webb, F. Hill, Daybreak, Dana, Meteor, Morello, Cartledge, McGowan, Bridesmaid, Eldorado, Portia, John's Scarlet, Scott. Fancy stock, $5; ordinary, $3.

CASH.

DANA R. HERRON, Olean, N. Y.

Mention the Florists' Exchange when writing.

CATALOGUES RECEIVED.

E. H. HUNT, CHICAGO.—August list of Bulbs etc.; also Price List of Calceolaria hybrida grandiflora.

COOKE & MCCORD, Tarrytown, N. Y.—Price List of Bulbs, Seeds, Plants, Supplies, etc.



CROP OF SWEET PEAS Grown by COX SEED CO., at Encinal, near Mountain View, Cal.

ROOT PRUNED EVERGREENS

For Autumn Planting. Finely Rooted.

5000 NORWAY SPRUCE, 3½ to 5 feet.

5000 HEMLOCK SPRUCE, 3 feet and over, very bushy, compact and fine.

25,000 RETINOSPORAS in variety, from 1 to 6 feet.

COLORADO BLUE and ORIENTAL SPRUCE PINES and ARBOR-VITAEAS In Great Variety.

In good condition for transplanting, either in **Lawns, Parks** or **Cemeteries. Large Specimens,** for immediate effect.

SMALL EVERGREENS and EVERGREEN SHRUBS For **Window Boxes** a Specialty.

The **Success** with which our root pruned **Evergreens** have been moved is proverbial. **Failures** seldom occur. A personal inspection is invited.

THE WM. H. MOON CO., Morrisville, Pa.

60 miles from New York City.
30 miles from Philadelphia.

And 702 Stephen Girard Bldg., **PHILADELPHIA, PA.**

Mention the Florists' Exchange when writing.

Do Not Fail to Visit

THOMAS YOUNG, JR.

Wholesale Florist

41 and 43 West 28th Street NEW YORK

And inspect the facilities for handling Cut Flowers at

The Largest and Finest Wholesale House in the City

Baltimore.

Trade Notes.

The cut flower market is unchanged. Good flowers find ready buyers but are a little scarce. Outside stock has suffered severely. Asters are getting small. The temperature has been up to 100 degrees for a week or more. Thunderstorms last Sunday brought relief and a few showers.

Off to the Seashore.

Fred. Burger and his family are spending four weeks at Ocean Grove.

Mr. Feast has taken his family to Atlantic City.

Mrs. Seidewitz and Miss Seidewitz have fled the hot city to take a few days' rest at the same place.

Miss Tilly Held is spending her holidays there with friends.

Mrs. Mary Thomas has been heard of from Paris. She is at present traveling in England and enjoying the best of health.

George Black is ill with typhoid fever at his summer home at Lutherville; he is improving satisfactorily now and his many friends are glad. They may expect him to be about again in two or three weeks.

Club Meeting.

A special meeting was held to arrange Convention matters. Much disappointment was felt and expressed that President Halliday will be prevented from joining the delegation. An hour of eloquent argument was tried to change Bob's mind, but neither persuasive entreaty nor peremptory demand could shake his determination. Everyone was well aware that he would go if he could. Some of the arrangements for the bowling have to be changed yet; but it is hoped that everything will be in good shape when the time comes. The Baltimoreans fully appreciate the opportunity of seeing the best convention meet, of learning the latest and best about plants and the trade, and of having the most glorious time with the S. A. F. in New York.

Though in special session, the club thought it their duty to express their condolence to Mr. Lonsdale and his family, and suitable action was taken.

Touching words, alluding to the ready kindness which has made Mr. Lonsdale one of the dearest friends of the club, mingled with the heartfelt expressions of deepest grief and warmest sympathy for the hearts which are bleeding in their hour of trial. That sincere sympathy could but lighten their burden of sorrow!

T. E.

Buffalo.

Living Weather Arrives.

The best item noticed is the arrival of showers of fair extent, and cooler, living weather. In the trade a moderate call for funeral flowers has prevented stagnation. Aside from such, business is distinctly quiet. The dry weather reduced the outdoor aster supply somewhat, so that while these flowers now are amply plentiful, the glut so common at this date is not so noticeable.

Pan-American Notes.

Affairs Pan-American are moving well. The local dailies begin to see Superintendent Ulrich's work, and give it ample notice. We understand that Superintendent Scott is absent this week, attending the Canadian Horticultural Association's Convention at Montreal, in the interest of the Pan-American Exposition Co.

The Annual Picnic.

The florists' annual picnic came off on Wednesday of last week at the Bedell House and grounds on Grand Island. In attendance the crowd was ample enough to be inspiring.

The leading event was a baseball game of five innings, with what was termed "Scott's Nine" pitted against the "Down Town" crowd. The former won by a score of 15 to 4.

In the foot-racing contests, Lean Men's Race, Will Grever won first; Heavy Weights—W. F. Kasting, first; E. J. Buxton, second; Open-to-All—Wm. Scott, first; Wm. Waring, second; Delivery Boys—Joe. Spidel, first; Wm. Hauenstein, second; Three Leg—W. Grever and E. Reichert won first. The others fell. Hop, Skip and Jump—David Scott, first; W. Grever, second.

Bicycle race, three-fourths mile—E. Brucker, first; W. Grever, second.

An acceptable supper was then taken care of, followed by short remarks by some of our orators. Return by boat to the city was made at 9.30 p. m., and the affair considered a success.

Next week's convention matters absorb some attention and interest. A goodly number will no doubt go, but in a scattered manner. The bowlers are practising and talk encouragingly.

Mr. and Mrs. S. A. Anderson are sojourning at Muskoka Lake, Canada.

H. V. Hunkel, of Holton & Hunkel, Milwaukee, en route East for pleasure and the Convention, called Saturday last.

VIDI.

Waynesboro, Pa.

Henry Eichholz, the geranium man, as he is known hereabouts, has some very fine new seedlings to be introduced. He will make a large exhibit at the Pan-American at Buffalo. For the past five years he has devoted a great deal of time to hybridizing the best standard and foreign novelties on Mars, the dwarf border geranium. His intention was to produce a race of geraniums that will adapt themselves as pot plants as well as for bedding purposes, doing away with the lanky growth of most of the older varieties. A look at about 3,000 plants of America in a clay field will convince the most sceptical that he has succeeded well in his efforts, the plants being profuse bloomers with a growth of not over a foot in height.

A bed of over 400 seedlings is remarkable, for coloring, but only five will be introduced and three or four more given another year's trial. The grandest of all is No. 31. It is clear, wine red, of large size and truss, perfect in growth and sun-proof.

A very pretty dwarf pink with white eye, extremely floriferous, is No. 25. 75 is a dwarf cherry red of fine build and flower.

Mars in different colorings is here by the score; but only the best three will be retained, Mr. Eichholz believing that whatever he introduces must have value and a long life. Fancies are very pretty in collection, but for business a geranium must bloom. The green grass varieties for late spring sales must go before many years.

Of double varieties only two will be retained. These are in the aureole class, coloring darker and more distinct than the later importations.

By the way, nearly all the best foreign novelties can be seen here. Jean Viaud is the best of this year's foreign introduction, with Clyde a close second (Clyde being an American sport of Mrs. E. G. Hill).

Browallia gigantea, Begonia Gloire de Lorraine and Baby primroses are grown by the benchful. Carnations are all housed. Chrysanthemums look splendid. Liberty rose is like Mars geranium. It blooms, blooms and only blooms, but the stems must get longer to be of any value.

Mrs. D. S. Fahnestock is building a new house for her ever-increasing retail trade.

The latest addition to the florists' ranks here is John Spangler, with a house 8x20 to start with.

Worcester, Mass.

The last week's show of the Horticultural Society was not quite up to the usual standard in quality or quantity, owing to a very heavy rain a few days before.

The week before, August 2, the flowers were very fine in all classes and the competition close. Some exhibitors did not like the judgment on sweet peas, the judge awarding premiums on a little longer stems and faded flowers over blooms with a little shorter stems and large fresh flowers.

Business is very good for this season of the year. Sweet peas lead in sales. Asters are coming in now.

J.

Mount Vernon, N. Y.

Frederick H. Renner, a florist, formerly in the employ of Arthur Dummett, of this city, is locked up at Police Headquarters awaiting trial for forgery. The police say that he has swindled many merchants by means of checks, to which he forged Mr. Dummett's name. He is a married man, about forty years old, and formerly a trusted employe of Mr. Dummett. According to the stubs in a check book found in his possession, he has made out at least twenty checks ranging from $5 to $100. Renner admits his guilt.

IF YOU NEED ROSES
Send us your list for prices.
THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.
Mention the Florists' Exchange when writing.

A BARGAIN for Somebody.
4000 ROSES All Bridesmaids, 3 in. pots, $6.00 per 100. This stock is worth one-third more money.
A few **ADIANTUM CUNEATUM**, 6 and 7 inch pots. Cheap for cash.
JOSEPH BRADBURY, Irvington Ave., So. Orange, N. J.
Mention the Florists' Exchange when writing.

700 SMILAX, 2½ in., $2.00 per 100

'MUMS Clark, Morel, Adams, Whildin, Lincoln, Jones, Niveus, Lager, Reiman, Gasteller, Wanamaker, Mutual Friend, Dawn, Tuxedo, Pres. Smith, Woodford, Invincible, Maud Dean, The Harriot, Wedding, G. Pitcher, Dorner, Merry Monarch, Yellow Monarch and Yanoma, 2½ inch, $2.00 per 100. Cash with order.
A. A. WHITBRED, ALTOONA, PA.
Mention the Florists' Exchange when writing.

VIOLETS From pots. A1 stock, free from disease: **Lady Campbell, M. Louise** and **Farquhar**, $2.50 per 100; $20.00 per 1000. **New Imperial**, $3.00 per 100; $25.00 per 1000. 3-inch pots of **L. Campbell, Farquhar** and **M. Louise**, $4.00 per 100; $35.00 per 1000.

ROSES Fine plants of **Meteor** and **Perle**, from 2-in. pots, at $3 per 100, $25.00 per 1000; also 3-inch **'Maids** and **Brides**, same price.
CRABB & HUNTER, Grand Rapids, Mich.
Mention the Florists' Exchange when writing.

LAST SWEEP
2000 Bride and Bridesmaid,
In three inch pots, must go at 2 cents each.
CARL E. TAUBE,
Mercer Floral Co. TRENTON, N. J.
Mention the Florists' Exchange when writing.

3000 METEOR PLANTS
3½-INCH POTS.
Per 100, $3.00; per 1000, $25.00.
Big, strong, and in prime condition. Although the season is well advanced, with these plants there is a reasonable chance of success.
BRANT & NOE, Forest Glen, Chicago, Ill.
Mention the Florists' Exchange when writing.

GRALLERT & CO.
Carnation Growers,
Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.
COLMA, San Mateo Co., CAL.
Mention the Florists' Exchange when writing.

Extra Fine Field-Grown
CARNATION PLANTS
Let us figure on your wants.
CHICAGO CARNATION CO., Joliet, Illinois.
Mention the Florists' Exchange when writing.

CARNATIONS
F. DORNER & SONS CO., LaFayette, Ind.
Mention the Florists' Exchange when writing.

WM. MURPHY,
Wholesale Carnation Grower.
Sta. F., CINCINNATI, O.
Mention the Florists' Exchange when writing.

CEO. A. RACKHAM,
Wholesale Grower of
Carnations and Small Ferns,
880 Van Dyke Ave., Detroit, Mich.
Mention the Florists' Exchange when writing.

60,000 FIELD GROWN CARNATION PLANTS.

Argyle,	Flora Hill,
Pingree,	Triumph,
Tidal Wave.	Scott,
Evelina,	McGowan,
Gold Nugget,	Armazindy

Per 100, $4.00; Per 1000, $35.00.

ROSE PLANTS.
Meteor, Bridesmaid, Bride } 2½ and 3 inch pots, per 100, $3.00; per 1000, $25.00.
American Beauty, 3 in. pots.
Per 100, $5.00; per 1000, $45 00.
GEORGE REINBERG,
51 Wabash Ave., CHICAGO, ILL.
Mention the Florists' Exchange when writing.

10,000 Chrysanthemums
Thrifty young plants, from 2¼ inch pots, to close out, $2.50 per 100; $20.00 per 1000.
LIST OF VARIETIES ON APPLICATION.
NATHAN SMITH & SON, Adrian, Mich.
Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS...
and Novelties in Decorative Plants.
Market and 49th Sts., PHILADELPHIA, PA.
Mention the Florists' Exchange when writing.

ROSE PLANTS
In varieties, from 2½, 3 and 4 inch pots.
Write for prices.

	100
Lemon Verbena, 3 in. pots	$4 00
Sansevieria Zeylanica, 3 in. pots	5.00
Asparagus Plumosus, 2½ in. pots	5 00
Asparagus Sprengeri, 2½ in. pots	4.00
Nephrolepis Cordata Compacta, 2½ in.	3.00
N. Cordata Compacta, 3 in. pans...per doz.,	6.00
Field-Grown, Scotch **Hardy Pinks**, at $3.50 per 100; $30.00 per 1000. 6 varieties.	

THE NATIONAL PLANT CO., Dayton, Ohio.
Mention the Florists' Exchange when writing.

CARNATIONS
WM. SWAYNE, Kennett Square, Pa.
Mention the Florists' Exchange when writing.

Field-Grown, Own Root
ROSES
All the best sorts, tender and hardy. Our solicitor will visit you and make prices, regardless of where you live or quantity you want, if you will drop us a card at once.
THE HOWLAND NURSERY CO.,
LOS ANGELES, CAL.
Mention the Florists' Exchange when writing.

FIELD-GROWN
CARNATIONS
Daybreak, McGowan, Scott, White Cloud, etc.
Prices and Samples on Application.
THE BOOL FLORAL CO.,
ITHACA, N. Y.
Mention the Florists' Exchange when writing.

ROSES

300 La France	4 inch, nice plants, $4.00 per 100.
500 Kaiserin	
100 Gontier	
200 'Maid	
250 Bride	
200 Golden Gate	

CASH WITH ORDER.
A. A. WHITBRED, - Altoona, Pa.
Mention the Florists' Exchange when writing.

Send for our price list. We have a fine stock for Fall delivery of
FIELD-GROWN ROSES
CLEMATIS, two-years-old, strong.
FLOWERING SHRUBS fine assortment.
ORNAMENTAL TREES. CONIFERS.
To avoid disappointment, order now a supply of
ROSE STOCKS FOR GRAFTING
(Prices, delivered in this country).
Rosa Manetti .....$12.00 per 1000
Rosa Polyantha..... 8.00 per 1000
Rosa Laxa (Froebeli).. 8.50 per 1000
The stocks most largely used by European growers for grafting Tea Roses.
Our representative, **Mr. J. Austin Shaw**, will be at the Convention, and will be pleased to quote prices upon any wants in our line.
JACKSON & PERKINS CO., Newark, New York
Mention the Florists' Exchange when writing.

ROSES

	2½ inch Per 100	2½ inch 1000.	3 inch Per 100	3 inch 1000
Brides	$3.00	$25.00	$5.00	$45.00
'Maids	3.00	25.00		
C. Soupert	3.00	25.00	5.00	45.00
Meteor	3.00	25.00	5.00	45.00
Am. Beauty			8.00	75.00

Mixed Jardiniere Ferns Mostly Pteris varieties, $3.00 per 100; $25.00 per 1000.
Asparagus Sprengeri 2½ in., $1.00 per 100; $35.00 per 1000.
Asparagus Plumosus 2½ in., $6.00 per 100; $55.00 per 1000.
Adiantum Farleyense Fine stock, 6 in. pots, at 50 cts. each.
Smilax 3 in., $4.00 per 100.
Dracaena Terminalis 4 in., $15.00 per 100.
Phoenix Canariensis Elegant stock, 4½ to 5 in., $20.00 per 100.
Chamaerops Excelsa 5 in., $25.00 per 100. 4 in., $20.00 per 100.
J. B. HEISS, The Exotic Nurseries, Dayton, Ohio.
Mention the Florists' Exchange when writing.

AMERICAN BEAUTY 4 in., $15.00 per 100; **LIBERTY** 3½ in., $50.00; 4 in., $75.00 per 100; **Maid** and **Bride**, from GRAFTED plants, 3½ in., $8.00; 4 in., $10.00 per 100; **Perle**, 3½ in., $8 00; 4 in., $10.00 per 100. Also **Sunset, Meteor, Morgan, Mermet, La France, Nipheros, Kaiserin, Golden Gate, Bon Silene**, 3 in., $5.00 per 100. 3½, 4 in., **Asparagus Plumosus, Marie Louise Violets**, clean stock, from pots and soil, $2.50 and $3.00 per 100; $25.00 and $30.00 per 1000.
A. S. MAC BEAN, Lakewood, New Jersey.

30,000 Field Grown Pinks, Twenty-three Varieties, Scott's and John's Scarlet,
At $4.00 PER HUNDRED,
Price of Other Varieties on application.
C. L. HOWE, Dover, N. H.
Mention the Florists' Exchange when writing.

FIRST QUALITY FORCING ROSES
REDUCED PRICES TO CLOSE OUT.
Fully equal to those sent out the last eight years; first-class and perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.
AM. BEAUTY, BRIDE, BRIDESMAID, MAID OF HONOR, METEOR, KAISERIN, SAFRANO, BON SILENE, PERLE. 3 in. pots, $5.00 per 100, 4 in. pots, $8.00 per 100.
GRAFTED ROSES MAID OF HONOR, GOLDEN GATE, 3½ inch pots, $15.00 per 100. LIBERTY, 4 in. pots, $8.00 per doz; 50 plants, $24.00.
Mention this paper. J. L. DILLON, Bloomsburg, Pa

PHILADELPHIA ROSES STRICTLY FIRST-CLASS CLEAN STOCK.
100 4 inch AMERICAN BEAUTIES.
500 3 inch AMERICAN BEAUTIES.
BRIDES and 'MAIDS, 3 inch.
MYERS & SAMTMAN, CHESTNUT HILL, Philadelphia, Pa.
Mention the Florists' Exchange when writing

CHRYSANTHEMUMS Now is the time to plant them. We offer extra fine vigorous plants, from 2 and 2½ inch pots. Everybody likes them; they are so strong and healthy that they surprise all of our new customers; our old customers, of course, always know what to expect, but even they occasionally tell us that our stock is getting betterall the time. Following is a partial list.

EARLY	100	MID-SEASON	100	LATE	100
Ivory	$3 00	Major Bonnaffon	$3 00	Mrs. J. Jones	$4 00
M. Henderson	3 00	Wm. Simpson	3 00	Liberty	4 00
Geo. S. Kalb	3 00	V. Morel	3 00	Merry Xmas	4 00
Merry Monarch	3 00	G. W. Childs	4 00	Autumn Glory	3 00
Willowbrook	4 00	H. W. Longfellow	3 00	E. Dailledouze	4 00
M. de Montmort	3 00	Mrs. Murdoch	3 00	Golden Wedding	4 00
Mrs J. Whildin	3 00	Mrs. T. L. Park	6 00	Nagoya	6 00
John K. Shaw	5 00	Black Hawk	4 00	Xeno	6 00
Golden Trophy	3 00	Mrs. C. H. Pierce	3 00	Harry Balsley	3 00
Glory of the Pacific	3 00	Mrs. H. Robinson	3 00	Adula	3 00
		Niveus	3 00	Mrs. Baer	8 00

In addition to the above we have a large list of new and other standard sorts. Send for complete list.
H. WEBER & SONS, OAKLAND, MD.
Mention the Florists' Exchange when writing.

10,000
AMERICAN BEAUTY PLANTS
Fine stock, from 3 inch pots, $5 per 100; $40 per 1000.

	Per 100	1000		Per 100	1000
BRIDESMAID, 3 in. pots	$4.00	$35.00	METEOR, 3 in. pots	$4.00	$35.0
PERLE, 3 in. pots	4.00	35.00	GOLDEN GATE, 2½ in. pots	4.00	35.00
			KAISERIN, 3 in. pots	4.00	35.00

PETER REINBERG, 51 Wabash Ave., CHICAGO
Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00.
Payable in advance. The date on the address label indicates when subscription expires.

CHANGES OF ADDRESS.

When notifying the publishers to send the paper to a new address, give both old and new addresses.

BINDERS.

The publishers can supply binders which will hold the papers for one complete volume, keeping them in perfect order for ready reference. Price, postpaid, $1.00.

ADVERTISEMENTS, $1.25 PER INCH.

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Copy must reach this office not later than Thursday in order to secure insertion in issue of the following Saturday.
Orders from unknown parties must be accompanied by cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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The Convention of the Canadian Horticultural Association was held the past week. A full report will appear in a future issue.

At the McFadden (Cincinnati) sheriff sale on Tuesday last, the orchids and other plants were bid in by an attorney for $2,500.

Society of American Florists and Ornamental Horticulturists.

DEPARTMENT OF PLANT REGISTRATION.

The Geo. Wittbold Co., Chicago, Ill., register Nephrolepis Wittboldii, originated in 1897. Fronds 2½ to 3 feet long and 10 to 12 inches wide; pinnæ undulating or wavy in all growths; texture leathery.

WM. J. STEWART, secretary.

The "Daily" Florists' Exchange.

The publishers of the FLORISTS' EXCHANGE will issue a daily edition of that paper every morning from Tuesday to Friday, August 21 to 24, inclusive. This will be the first daily florists' trade paper ever published, and, while necessarily short-lived, will, we trust, be none the less remarkable.

As the material contained therein will relate more or less closely to Convention matters and the doings of the delegates, during the week, we herewith solicit the good offices of our friends, asking them to keep us informed as to such news of public and personal interest as may come under their notice. Our exhibit in the main hall of the Grand Central Palace will be headquarters, where all news notes and items intended for publication may be left up to 10 p. m. each day.

Delegates desiring to meet friends or make business engagements can do so through these columns, free.

Will be pleased to have delegates notify us now as to the names of those in their family or immediate party, coming to New York for the Convention, and name of hotel at which they will stop.

The New York Convention.

The preparatory work of the convention, so far as the local club is concerned, is well in hand, and there is every indication that all will be in readiness by the opening day. This gratifying condition of affairs, considering the magnitude of the undertaking, is a most excellent tribute to the executive ability of President O'Mara, to his enthusiasm and hearty desire for the success of the 1900 gathering, all of which have found a most sympathetic, responsive echo in every member of the New York Florists' Club. We believe the statement can safely be made that no body of men ever worked harder in a like connection than the local florists have done to insure the success of an S. A. F. convention. Ever since the society decided upon the metropolis as its meeting place for this year the work of preparation for its reception has been gone about with most commendable energy, unremittingly, and unbegrudgingly. Only those who have undergone a similar experience can appreciate what all this means; and yet they can hardly realize what it does actually mean in a great city like New York. Let us but say that S. A. F. matters have been the engrossing theme at every regular and special meeting of the home club for almost the past twelve months.

We do not mention these facts in order to invest them with any scarecrow habiliments, or to hold them up as a deterrent to the enthusiasm of other cities desiring the society's presence; but we present them as showing that feeling of kindly interest which one set of florists entertains for the great majority, and the sacrifices and hard work willingly undergone for others' material welfare—in short, to testify to that one great progressive factor engendered by the S. A. F. itself—the spirit of brotherly love.

We feel sure that florists all over the country will appreciate the services of the New York Florists' Club on their behalf by a practical demonstration thereof, in the large numbers present at what must be the greatest event in the history of the S. A. F., and a fitting celebration and exposition of the high standard reached by the American florists—educationally and practically—at the passing of the nineteenth century.

The greatest reward, the highest compliment you can return your hosts for earnest effort put forth is to come and share the hospitality they have provided for you, and in such unprecedented numbers as the occasion assuredly demands.

The Convention opens at 9:30 a. m.

The opening hour of the Convention has been changed from 10:30 a. m. to 9:30 a. m., Tuesday, August 21. This step has been rendered necessary in order to suit the prior engagements for that day of Acting-Mayor Randolph Guggenheimer, of New York City, who will deliver the address of welcome.

It is hoped that the delegates will lend their assistance, looking to a punctual opening at the hour named, as other pressing business engagements prevent his honor being able to remain at the Convention Hall beyond the time stated, and he has, at some personal inconvenience, so arranged his affairs as to enable him to open the proceedings, which, he says, will give him extreme pleasure.

New York.

Club Meeting.

The Florists' Club held its final session before the convention on Monday evening last, President O'Mara in the chair. The attendance, as usual, was most gratifying. The reports of the various committees all showed that the work allotted to each, so far as it could be performed, had, as the president stated, "been pushed forward to the limit of perfection;" and all that now remains is for the biggest gathering of delegates to be present, in order to make the convention of 1900 what it surely will be—a record-breaker.

It was decided that the horticultural exhibition should be declared officially closed with the close of the convention. Every member was urged to use his utmost endeavor looking to the securing of exhibits in order to present a show worthy of New York and of the occasion.

The Hall Decoration Committee, J. Nugent, 42 West Twenty-eighth Street, chairman, would like to be advised by donors of stock as to what they will contribute, and the material should reach the Grand Central Palace, Lexington Avenue and Forth-third Street, not later than Monday forenoon next, addressed in care of Mr. Nugent.

In place of dancing an entertainment will be provided at the close of the president's reception Tuesday night.

The boat to Glen Island will leave on the Thursday afternoon of the convention from West Thirty-fourth Street pier at 1 o'clock sharp, calling at East Thirty-first Street pier about an hour later to pick up any belated passengers.

A letter was read from William Scott, of Buffalo, telling of the horticultural features of the Pan-American Exposition, which promises to surpass all previous efforts of the kind, and offering to supply full information to those desiring it.

Mr. May was appointed a committee of one to prepare and send to Edwin Lonsdale a letter of condolence expressive of the club's heartfelt sympathy with him in his recent sad bereavement.

The more weighty work of the club over, the balance of the evening was devoted to recreation. Mr. Henshaw told of his recent trip to Europe. In England he met Dean Hole who spoke kindly of his last visit to the States, which is a pleasant memory with the eminent rosarian. Mr. Henshaw attended the show of the National Rose Society, where he noted the good work being done by English rose growers in the improvement of the sweet briers and the hybridizing of Rosa Wichuraiana. The best displays of roses were made by Dickson, of Belfast. The speaker commented favorably on the sweet pea exhibition in the Crystal Palace, and afforded great amusement by a recital of how he "did" Paris under the chaperonage of a lady interpreter. F. L. Atkins, who recently returned from a European tour, promised an account of his journeyings at a future meeting. Other speakers were Messrs. Philcox, of St. Louis; Harry May, John Westcott, of Philadelphia, who was in the city on matters pertaining to the convention; Lemoult and John Morris. Songs were rendered by Messrs. William Plumb, Louis Schmutz, Butterfield, Birnie, Herrington, Stewart and Wallace, while J. Hogan contributed to the fun by some excellent step dancing. J. P. Cleary officiating at the piano. During the evening refreshments were served by the Entertainment Committee.

Market Conditions.

Business continues very quiet. Plenty of flowers are coming in, but real good stock is very scarce. American Beauty are more in evidence, but mostly of the short-stemmed grade, and they are little sought after. Many of the Bride and Bridesmaid arriving are still very small, and cannot be moved satisfactorily; $5 per 1,000 has been the asking price on some days, and then failed to tempt buyers.

Quite a few white carnations, picked from plants outdoors, are coming in. About 50c. per 100 is the ruling figure for these. Cosmos blooms began to arrive this week, but there is little demand for them. Some tuberoses are now to be had; they bring from $3 to $4 per 100. Speciosum lilies are getting pleotiful but sell slowly as yet, realizing from $1 to $3 per 100. Lilium auratum still bring 4c. each.

Lily of the valley took a drop this week, and has been selling at $1.50 and $2 per 100. The asters to be had are of only moderate quality, and the demand for them is practically nil. Gladiolus also are not selling so well, and instead of $1 per 100, they can be had for 75c. Tritomas and cut sprays of Hydrangea p. g., are on the market, but there is little call for either of them.

Business is only a secondary consideration just now, anyhow, in this city. The coming Convention is the whole thing, and everyone in the trade is doing his utmost towards making this Convention a record breaker.

Jottings.

If you want to make appointments with brother florists during the Convention, put an item in the daily edition of the FLORISTS' EXCHANGE. It won't cost you anything.

Alex. J. Guttman has just had a new ice-box built in his wholesale florist store.

The store and greenhouse of L. Hart, 1001 Madison avenue, were badly damaged by fire on Friday afternoon, August 10. The fire started from the electric wires, and before it could be got under control, a lot of valuable palms and other plants were destroyed, and the ceiling and fixtures of the store completely spoiled.

On Sunday last Woodside, N. Y., was visited by a rather severe hailstorm. Many panes of glass were broken in the greenhouses of Chas. Smith and G. & H. Ulrich.

The New York Bowling Club will meet for practice on the alleys, Monday at 3 o'clock p. m.

Another team has entered the S. A. F. Bowling Tournament, Milwaukee having notified Secretary Schenck within the past week.

W. C. Krick, of Brooklyn, has made substantial improvements on his adjustable and folding plant stand. He is now putting on the market a grade of violet foil that keeps its color and does not rub off.

The Schwaebischer Sængerbund, a German Society of Brooklyn, is to be commended upon its efforts in promoting the cultivation of flowers and plants. In a schedule just issued, we are informed that the 12th annual exhibition will be held at Ridgewood Park, L. I., on September 2, 3, 4, 5 and 9th. Among the liberal premiums offered are four for the best carpet bed, not less than ten feet in diameter. The first prize is $50, the second $40, the third $30, and the fourth $20. There are also good money prizes offered for collections of plants, such as cannas, geraniums, ficus, carnations, etc., also water gardens.

The second annual picnic of the Society of City Gardeners, Catalpa L. A. No. 1694, K. of L., will be held at Brommer's Park, 133d street and Southern Boulevard, on Thursday, the 23d inst. This Society is composed of gardeners employed in the city parks, and although only in its second year, much good has resulted since its formation, especially in securing better recognition from the municipal authorities as regards wages, etc.

The new geranium Paunpeck was again shown at the Florists' Club meeting, Monday last, by Daly Bros., Granton, N. J. The committee on awards gave it an honorable mention, which it justly deserved. Its habit is identical with that of Contrast, from which variety it is a sport; but the color of the flower is a delicate pink, of a shade that should make it popular as a bedder.

W. W. Burnham, manager of the plant and flower departments in Bloomingdale Bros.' store, is giving away every Saturday from 30,000 to 50,000 spikes of gladiolus. The flowers are distributed from every department in the store, so that

each customer gets some without having to go purposely to the flower department.

The Reception Committee will meet at 3 p. m. Monday, with Chairman W. F. Sheridan, in his store, No. 39 West 28th street.

G. T. Philcox has again located here, after spending some years in St. Louis, Mo.

Samuel Henshaw has returned much improved in health, from England, where he has been spending several weeks recuperating from injuries received in the recent carriage accident while driving in Bronx Park.

F. L. Atkins arrived Monday on the Deustchland. Bobbink & Atkins are building two new storehouses and also extending their greenhouses.

J. K. Allen has returned from a two-weeks' stay at Atlantic City. Miss Riley, bookkeeper for Mr. Allen, left Saturday last for a fortnight's visit to Sullivan County, this state.

The heated spell has been broken, and we are now enjoying agreeable weather.

Auction Sale.

Visitors to the Convention will do well to stay over and take in the great sale of palms and other plants to be held at the Rose Hill Nurseries of Messrs. Siebrecht & Son, at New Rochelle, N. Y., Monday and Tuesday, 27th and 28th inst., at 11 a. m., each day. Cleary & Co. will sell at auction there about 50,000 palms, 5,000 stove and greenhouse plants and 10,000 ferns, besides many other decorative plants and commercial orchids. Trains leave the Grand Central Depot for New Rochelle at 9 a. m. and 10 a. m., and carriages will be in waiting to convey visitors to the nurseries. Lunch will be served, and the visit will be an enjoyable one, whether made in the capacity of a buyer or otherwise.

Chicago.

State of Trade.

An eight-day period of unprecedented hot weather—from 92 degrees to 96 degrees with a blazing sun all the time—has had its effect in the rose houses, and on the supplies brought into the market. The gain supposed to have been obtained has all been lost. Last year an extremely hot spell, later in the Autumn, was supposed to be one reason for the shortness of crop observable right up to the holidays. Fortunately, the change came with a glorious rain again on Saturday, accompanied by moderate weather.

Asters, gladioli and sweet peas are still very abundant, and the main stock in trade of the street men. Auratum lilies are in capital condition this year, with evidence of considerable variety among them.

The death list is heavy, owing to the trying weather conditions; hence funeral work constitutes the bulk of the business going.

All the growers we have come across admit the carnation growth in the fields this year as something fine. Lots of carnations are already housed. A few growers, however, do not believe in early lifting. Much of the carnation stock now coming in is field grown, and the heat has affected the flowers somewhat. White are hardest to get rid of. Beauty roses have suffered considerably from heat—very few long-stemmed flowers are worth above $2; mediums, $1 to $1.50; shorts, $1 to $3.

Hydrangea paniculata grandiflora made its appearance on the 13th. No great demand is experienced for asparagus, smilax or other greens.

Injury from Escaped Gas.

John Brod, who recently opened a retail flower store at 616 N. Wells street, has had a lot of large old plants of palms, yuccas, magnolias and lots of softer foliaged subjects, injured badly by gas leaks in street, and from there to his cellar, then up to the store floor.

Round About.

Mr. and Mrs. W. A. Rieman, of Vincennes, Ind., were in the city the past week.

U. J. Virgin, New Orleans, is making his usual Fall trip, which, this year, will take in the New York Convention, over the Chicago florists' route, but a day or two ahead of the regular train.

A. L. Vaughan, western representative of Hagemann & Meyer, New York, starts same day, August 16.

John Muir will leave at same time.

Walter Retzer returned on Saturday last from Powers Lake, Wis., looking brown and rugged. He will be with the New York party. Ess.

Providence, R. I.

The last regular monthly meeting of the Florists and Gardeners' Club was held Thursday, August 9, in the club rooms at 96 Westminster street. There was a large attendance, owing to its being the last meeting before the Convention. After the routine business was disposed of, the evening was devoted to final arrangements about transportation and other Convention business. It was finally voted that the members leave for New York on Monday, August 20, at 8 p. m. by regular Providence line of steamboats. The rate will be one and one-third fare for the round trip, on the certificate plan.

Providence hasn't as large an army of florists as other cities, but she will be well represented at this Convention, and unless something unusual happens they will all be there, big and little, high and low. A. M.

Philadelphia.

For the Convention.

Convention topics are now uppermost with every one. From present indications this city will have a good turnout. Not only florists, but a good many private gardeners are going along. It is impossible to give any estimate of the number, but Philadelphia will be well in the front, as usual, and will do all in her power to help New York make a grand success of the Convention. This city will be well represented in every way—in papers read before the Convention, in the exhibition hall, and in the sports. Some people still keep harping about this city being slow, but to-day we take second place to none.

John Westcott was in New York on Monday last, and made all arrangements about the Wood and Edgely trophies, that are offered for bowling. Some would have liked to have had this done before, but remember these trophies were obtained by Mr. Westcott, and power was given him by the donors to offer them for what he thought best. His desire was to not conflict with the New York Club in their arrangements, and accordingly he went over and consulted the proper parties when the time came.

The delegation from Pittsburg to the Convention arrived in this city Thursday at 6 p. m. and left at 7 p. m. for Atlantic City, where they will remain until Monday.

News Notes.

David G. Yates, of Yates & Son, nurserymen, Mount Airy, near this city, died on Monday last at Poland Springs, Maine. He had been troubled with urinary ailment for several years, and went to these Springs every Summer to drink the waters. His funeral was held on Wednesday, the body being cremated.

Thomas Mingey, for the past 25 years superintendent of Horticultural Hall, Fairmount Park, has resigned that position. In the above capacity he has become widely known, and has been famous for the way in which he has managed the houses and grounds under his care. He is, we understand, open for a similar position.

H. G. Faust & Co. are now about finishing improvements in their seed store, and will have much better facilities for handling increased trade.

H. Bayersdorfer & Co. are having a new two-horse truck built. Increased business and heavier shipping cases have demanded this. Every steamer now is bringing cases of goods purchased by H. Bayersdorfer on his recent European trip.

D. Landreth & Sons have recently made a great improvement at their retail seed store, 10th and Market streets, by building an elevated platform, about eight feet in height, which will be used for office purposes for cashier, bookkeepers and general manager of the store. The platform is of rustic work, and adds greatly to the appearance of the store, besides affording much more badly-needed floor space. DAVID RUST.

An Explanation.

Plans which should have accompanied Mr. Gieger's essay on "Cool Rooms for Florists," published this week, pages 788-9, will appear in a future issue of the FLORISTS' EXCHANGE, we having been, until this writing, Friday a. m., August 17, unable to obtain possession of either the originals or duplicates thereof, from the fact that the originals were sent direct to our contemporary at Chicago, by Mr. George C. Watson, acting secretary of the Philadelphia Florists' Club.

Firms Who Are Building.

BEVERLY, MASS.—Charles A. Morrisey has purchased land on Balch street, on which he will erect greenhouses.

CLAY CENTER, KAS.—Humfeld's greenhouses are rapidly nearing completion. Two ninety-foot houses have been erected and glass covered; the plans and specifications of three more are in the hands of the carpenters. By the way, while Charley was at work giving the men a boost several days ago, his left knee was severely injured by being punctured by a rusty nail. It penetrated the joint just below the cap.

HARTFORD, CONN.—James Young has been granted a permit to build two new greenhouses at 8 Cove street.

MANCHESTER, N. H.—George W. Hilliard has added a new rose house, to be devoted to American Beauty.

TOLEDO, O.—Crane Bros. are building two new greenhouses, which will make 22 operated by the firm.

ST. LOUIS, MO.—F. W. Bruenig is building another greenhouse.

DANVERS, MASS.—E. & C. Woodman, Tapleyville, are making extensive improvements in their greenhouses. Iron bench supports will substitute wooden ones, and stone and cement walks will be constructed.

SPRINGFIELD, OHIO.—The George H. Mellen Co. are adding five new greenhouses, each 130x20 feet.

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Best Methods of Building Cool Rooms for Florists' Use.

A Paper read before the Florists' Club of Philadelphia, by H. C. Geiger, of the Floral Exchange (Inc.), Phila.

In opening a discussion as to "the best methods of building cool rooms for florists' use," we are launching our boat upon a comparatively unknown sea; for while much space in our trade journals has been devoted to the important subject of the heating of our houses for the production of fine flowers, but little so far has been printed about the best mode of caring for the flowers. Much depends upon the cutting and packing of flowers in order that they may reach the hands of the retailer and his customer in good order, but it is equally important that the storage room, in which the cut bloom is kept until shipment, should be built in as perfect a manner as can be devised.

The subject divides itself into two departments, that of the retail store and that of the grower; and though the use of the words "cooling rooms" seems to imply that this paper should refer chiefly to what is needed by the grower, let me say a word, in passing, about the retail store. Unhappily, we have not as yet in practical use any other than the one designation for "ice box"—a name that is chilling and rather repellant in many ways. The great advance in our profession and the critical taste of our customers make it quite essential that a handsome flower case shall be the chief attraction of every store. I have in mind what is, to my taste, the ideal store—one in which all the fixtures are of white marble, the walls of white tiles and the ceiling colored in pale nile green, pink and silver. In this store the flower case is of white marble, lined with white tiles, and is large enough for a salesman to walk into it. But as such a box is beyond the means of most florists, let us consider one of more modest pretensions.

"Many men, many minds," but it seems to me, we can all concur in one thing—that the practical cooling box should be of plain but good design outside, should have several compartments for displaying flowers and at least one large compartment for keeping stock, not to be visible. The glass doors must be of double glass, with an air space between; the glass to be hermetically set, else moisture will collect between the panes. Many fine cases are mirror-lined; but, to my taste, white tiles are preferable, as they show the flowers to better advantage and are free from the objection to the mirrors, of clouding in time. I cannot better illustrate my meaning than by describing a handsome case which was built in our city last summer and has given good service. It is of oak, four feet wide, sixteen feet long, and about nine feet over all in height. It is divided into three show compartments separated by plates of glass, and has a fourth compartment closed from view by a mirror door. The rear wall is lined with mirrors, the ceiling and floor of white marble. Under each compartment is a deep drawer, zinc-lined, used for greens. This drawer receives its cool air from the compartment over it by means of some holes pierced in the marble floor. There are three ice-chambers on the top, and the ice is put in from above.

The lighting of this box is effective. The electric globe is placed in the vent for hot air along the front, and while it sheds a glow over the whole box, it also serves to make an upward draught for the warm air to the ice chamber. The temperature of this case is, in summer, fifty degrees, with one and a half tons of ice weekly; and in winter, forty-five degrees, using one ton of ice weekly.

In passing to the second part, I have several plans to offer you, which have the merit of having been tried and found successful, and some of which are simple enough to build from by any handy man. Though very careful in every statement made here, I am only an amateur in this line, my sole experience having been obtained in the building of the successful room at Edgely. In building a cooling case, or a larger cooling room, it will be money saved if the matter is placed in the hands of an expert builder, one who has studied the subject carefully, for, if the box is not built in accordance with scientific principles, it will be a source of constant expense and annoyance.

PLAN No. 1.—This plan is now in operation in Chicago and is similar to that of a root house, no ice being used. The details have been kindly furnished by Messrs. Kennicott Bros. Co. They are as follows: Size, 34 feet long, 11½ feet wide and 7½ feet high; cost, $800. The walls are of stone, 24 inches thick and cemented on both sides to keep out the frost. The walls are stripped with 1x2-inch strips, and the floor and the ceiling with 2x4 inch strips; the spaces filled with asbestos; two layers of strong building paper put on and then the inside boarding. The walls come 12 inches above ground and have a window on each side, 6 inches high and 30 inches long, so that two or more windows can be opened to allow circulation of air. The windows must not be opened on the side on which the wind is blowing, as dust will come in. By watching this room, you can keep roses for from one to three weeks in winter, and from four to eight days in warmer weather. The room is in service from October 1 to June 1, when recourse is had to regular ice-boxes. If this room is entered direct from outdoors, a storm door must be built and the outside door must always be shut before the inner one is opened. This plan seems to recommend itself for its simplicity. Doubtless many growers have a cellar that could be turned into such a room without much expense.

PLAN No. 2.—The room built after this plan has been caring for the cut of some 50,000 feet of glass, devoted to roses alone, near Philadelphia, and is recommended for its simplicity. The size of the finished room is about 8x12 feet and 8 feet high. The side walls have 3x4 studs, put the 3-inch way, then a lining of 1-inch boards, the space between filled with powdered charcoal, one ton being used. Next comes, on each side, an air space of one inch; then a lining of boards; another one-inch air space and a final lining of boards inside; then on the outside the drop siding, make a wall thirteen inches thick over all, with four air spaces (each one lined with building paper—sides as well as ceiling) and six linings of boards. The ceiling is made in a similar way except that the rafters are six inches deep, giving a six-inch space to be filled with charcoal. The ceiling is made to have a slight rise, and two one-inch pipes are run through the ceiling, at the highest point, to allow escape of hot air. These pipes have a metal cap in the cool room, to control the outlet. The floor is of cement, with a link of terra cotta pipe, set upright, with the bell of pipe flush with floor. At the bottom of pipe, which is 3 feet long, is a French drain, so that surplus water can be disposed of without carrying it out. The ice-bunker is made large enough to receive cakes of artificial ice, is lined with galvanized iron and runs the entire length of box, where the drip runs off in an iron pipe to a small barrel, from which an overflow pipe runs outside. This bunker, into which the ice is put from outside, works well; but it seems feasible to assume that it would give off more cold air if openings were made on the sides low down; the only opening at present being all along the top, which must do duty as an escape for cold air and an intake of warmer air. This box was always quite dry when seen by me, and the flowers sold from it, speak for themselves. The owner offers the suggestion that an air-loft with a shingle roof be built over it to keep off the sun and to give air circulation. The ice bill is $2 per week in summer and $1 in fall, and often there is none in winter. The room is entered from the packing shed; the door is made as thick as the walls and rebated in regular refrigerator style. I am not able to give the cost of this box, but any carpenter can supply the figures, as it is of simple construction.

A letter just to hand from the owner of the box, contains the following: "While any carpenter can build this box, it is a broad question with us whether it would not be economy, in the first place, to employ a practical refrigerator builder; in other words, while the expense at the first off-start might be greater, would there not be economy, in the long run, by the saving in the consumption of ice and the consequent less expenditure on that item? It takes practical knowledge to build cooling rooms for roses as well as it does to grow roses."

All of which agrees with my remark in a foregoing part of this paper.

PLAN No. 3.—This plan is the one adopted at the nurseries of the Floral Exchange, Edgely, and which we find quite successful. We had at hand an ice house, 14x18 feet, adjoining our packing room, which we used as a basis. We first stripped the stone walls with 2x3 inch strips, then put on two linings of 1-inch boards and four layers of heavy paper, the inside lining being of poplar. The sub-ceiling had four linings of boards and four layers of paper. It is important to let the paper lap around the corners of box and to use a quarter round bead to cover joint after the lining is up. The floor had a bed of ashes, then 3 inches of granulated cork, in which were laid the sleepers to receive the yellow pine flooring. This plan was adopted by the builder, owing to the damp nature of our ground at that point. One small window, double glazed, opens to the north. The ice-bunker, well designed for its purpose, runs across the centre of the box, the ice being put in from the outside. The size of the bunker is 5 feet wide over all, 3 feet, 9 inches high and 12 feet long, holding two tons of artificial ice. Cold air is emitted from the lowest point and also from six openings, 1½ inches wide, running the whole length of both sides of bunker. The warm air strikes the covered sides of the bunker and finds its way to the top. The drain is run off in a metal pipe covered with wood to avoid moisture. Overhead we have an air loft, 3 feet high, with openings on three sides and a vent in the roof. The racks for the shelving are made of ¾ inch pipe, and the shelves are of poplar, this being the best wood to use for all inside work.

The size of the room is 11 feet long, 12 feet wide and 10 feet high. We can put in it ten thousand roses, at one time, if necessary. We have tested the keeping quality, with the result that roses kept for two weeks, provided they were not sprinkled before they were placed in the room. The temperature varies from 50 degrees, with an outside temperature of 97 degrees to 45 degrees in winter. In extreme weather, when the thermometer was at 10 degrees above, the temperature got as low as 28 degrees, as we were running the room without any ice at all, but upon our placing some ice in the bunker, the temperature rose to 42 degrees, and we had no further trouble. The weekly requirement is two tons in summer and one-half ton in winter, but from this same supply, we get all the ice that is used in packing roses for shipment. This room is free from moisture, and one can light a match on any part of it. Its cost was $300, this being only for the interior work, as the walls and roof were already in place. Letters patent cover the design of the bunker used in this room. Any one wishing to use it will please address The Thackara Refrigerator Co., Philadelphia.

PLAN No. 4.—Again we are called upon to visit Chicago that we may study what has been called "the best cooling room in the West." The details have been kindly furnished by Messrs. Bassett & Washburn, who write that the house was designed for them by the general superintendent of the Armour Refrigerating Co., and that he spent much time in perfecting the plans of it. This is a large affair, being 50 feet long, 24 feet wide and 28 feet high from basement floor to the eaves. It cost, a few years ago, $1,500, but Messrs. Bassett & Washburn think it could not be duplicated now for less than $2,500. This size is larger than is needed by most of us, but the construction can be applied to smaller houses. The basement, of stone, is 8 feet high, and the walls are cemented on both sides. The floor is 4 feet below ground level, is made of cement and drained by two 3-inch drains. Two small double-glazed windows give light. The upper walls are built as follows: The uprights are made of 2x6-inch joists, sheathed on the outside with 1-inch boards, with then a layer of heavy wax paper, on which are nailed 1x1-inch strips, to form an air space and to take the drop-siding. On the inside first comes the sheathing of 1-inch boards against the studs, then a layer of best 1-inch hair felt, fastened in place by 1x2-inch strips and covered with a layer of wax paper. Over this comes the last line of 1-inch sheathing boards, on which are nailed 2x2-inch strips to keep the ice from bruising the lining, making a wall thirteen inches thick, exclusive of the 2x2-inch strips. A sub-ceiling (details not sent) separates the ice-chamber from the air-loft, which has a high pitch shingle roof with vents in the ends and two in the peak. The frame sides above the stone basement are 20 feet in height to the eaves, and on one side is provided a door through which ice may be put in. The house will hold 150 tons, but ordinarily only 125 tons are put in, and when once filled the house is not re-opened until the next year's supply is secured.

The cooling of the flower room is accomplished in this way: Beams 4x12 inches, placed 8 inches apart, run across the ceiling, to support the weight of ice above. A zinc floor is then laid over the beams, covering the entire space, with a V-shaped gutter formed between each beam. In this gutter is collected the drip from the ice-chamber, cooling by contact the air of the storage room. During warm weather moisture forms on the gutter, caused by the frequent opening of the door to bring flowers in. This has been overcome by making small gutters of wood under the zinc, to catch the drip which is slight at any time and only occurs in hot weather. All drips are collected in closed drains and run outside. On the zinc floor of the ice-chamber are placed 2 x 4 in. joists, six inches apart, to receive the ice and protect the zinc floor from injury. Warm air vents run independently from the ceiling of the flower room to outdoors to remove warm air. What moisture is needed is obtained from the pots of water in which flowers are placed.

Messrs Bassett & Washburn recommend that a large vestibule be built in front of door to cool room, to prevent the rush of hot air every time the door is opened.

It is also an excellent place in which to keep carnations, valley, peas, violets and Harrisii lilies, by hanging a curtain in front of them to keep the air off. While this house was costly to build, the owners write that they would not be without it for ten times its cost, and if it gives them the same comfort that ours gives us, we can very easily believe them.

Many of us hope that the day of ice is passing away and that we may find it to our advantage to put ammonia plants in large places. I am indebted to Mr. Samuel S. Pennock for the following description of his successful plant, and beg to read his letter in full:

"The cost of plant, including compressor, electric motor, condenser, belting, shafting, piping, cooling tank, small outfit for making 50 pounds of ice daily, placing all machinery, piping, etc., in position, also including insulation of two rooms, each 21 feet long by 10 feet wide by 11 feet high, with shelving and two patent doors, was about $2,700, not including the outside wall of the building. Each room gives us about 450 square feet of shelving area. The temperature is kept at about 50 degrees in summer and at 40 to 45 degrees in winter. When the thermometer outside is 40 degrees or less, the machine does not have to run, as we open the windows and admit the cold air from outside. The windows are triple-glazed and have an adjustment of 'Daylight' prisms to give service in the day and save electric light. During warm weather the machine has to be run about four to five hours a day, at a cost of thirty cents an hour. Of course, if the doors are being opened and shut with unusual frequency, then the machine has to be run longer. The running of the machine requires very little time and attention; any careful, level-headed man is able to run it. Ten to fifteen dollars' worth of ammonia is needed in a year. Our system is the direct expansion ammonia system, which is preferable in small plants, and was installed by the Remington Machine Co., of Wilmington, Del. We have been very much pleased with the results so far, for, besides being a great help and convenience to us in our business, it is much cheaper in cooling a space of the same size than with ice, and gives a more satisfactory air. The air is drier, and for carnations there is no comparison, as it keeps them two or three times as well. The rooms are so arranged that one may walk in. They have a tier of shelves around the sides and a tier in the middle, with alley-ways between, access being had to every part. The pipes are all overhead, with drip pans underneath to carry off the water when the frost on the pipes melts. The cold air opening runs down the centre of the room, and

the warm air intakes on the sides. The cold storage people are very particular to have the room well insulated; and in ours the insulation (which was put in by the Ridgway Co.), consists of the following: First, a coat of asphalt paint on the brick walls; then a 2-inch space filled with ground cork; then two boards, ⅞ths, tongued and grooved, Y pine, with layers of brown building paper between them. Next come five layers of paper with ½ inch air space between each; then two more ⅞th boards, T. & G. yellow pine, with two layers of paper. The floor rests on brick arches coated with asphalt, then a good layer of locomotive brieze, finished off with a layer of cement. The cooling apparatus is directly under the floor. The entrance door (made by Stephenson, of Chester, Pa.), is very satisfactory, as it does not bind, and the latch works easily with one hand."

The letter of Mr. Pennock is surely to the point, and I recognize that we are all indebted to him for the most valuable part of this paper.

In conclusion, I would like to call your attention to an article that is worth a trial by those of you who are troubled with damp air in your cool rooms. It is a preparation of the Pennsylvania Salt Manufacturing Co., which can be had at groceries and drug stores at a cost of twenty-cents a package, and is named "Humidine." My attention was called to it by one of our wholesale dealers, who had tried it for two months, with the result that his box was perfectly dry and he could then keep carnations and peas where formerly the drip and moisture in the box were quite detrimental to them. One package was enough for two months in a box 4x10 feet.

Bangor's "Old Home" Celebration.

The floral parade held in Bangor, Me., August 9 proved a great success. Carl Beers had the decoration of the following, which received favorable comment from the press and people: The most elaborate vehicle was the six-horse coach, occupied by the Tarrantine Club, and decorated in yellow and white, with a magnificent palm covering the tops of the coach and spreading fifteen feet. A "T cart," the first of the kind in Bangor, decorated in roses, sweet peas and asparagus, was driven by C. H. Morse. The Stanhope cart, decorated in sweet peas and driven by the Misses Weatherbee was much admired. The carriage driven by Lemuel Nichols and that in which the Lenna C. Howe's Orchestra were seated, were trimmed in golden rod and yellow roses. Another attractive turnout was the carriage belonging to Mrs. F. A. Robinson and decorated in yellow flowers, ribbon and bunting. One of the most attractive was the float representing Real Estate. This was owned by Louis Kirstein, was 12x18 feet, and had the house, lawn, graveled walks, pine trees, lake, croquet and golf sets, swings and hammocks in miniature.

C. B.

The Avoca (N. Y.) Flower Show.

August 8, 9 and 10 were warm days for a flower show, but in spite of hot, dry weather its success was assured under the management of E. A. Higgins.

The abundant local water supply kept sweet peas up to the high-grade standard of this section. The virtues of Avoca water seem to act as a tonic to general vegetation, and growth is most luxuriant. Rarely will one see lawns greener or finer sweet peas, asters, gladiolus, pansies, etc.

Judging was quite a serious matter, with twenty and twenty-five entries in a single class. Most of the floral arrangement was thoroughly artistic.

Sadie Burpee clearly demonstrated its superiority as a white sweet pea and lavender Lady Grisel Hamilton is all that is claimed for it. The most useful dark sweet pea undoubtedly is Navy Blue. In general effect Lovely is a prettier pink than Prima Donna.

The display of asters and gladiolus was exceptionally fine. Pansies were also very good for the season. Decorative plants were much in evidence.

Some of the double tuberous begonias were grand. As pot plants they are a success.

Out-of-town exhibits were numerous. Stove plants from the botanic gardens at Washington, water lilies, palms, etc., from Dreer's, lilies and gladiolus from Childs', begonias and crotons from Rawson, besides smaller lots from other sources. The attendance was good despite torrid heat, leaving a surplus of several hundred dollars over expenses.

A flower show that pays its way is certainly to be commended. Mr. Sam Hamilton's non-appearance was a disappointment all around.

GROVE P. RAWSON.

Different Methods of Orchid Culture.

The methods of growing orchids have, since the introduction of the plants into the collections of scientists, amateurs and florists, undergone many changes. Speaking of the epiphytes, more especially, many theories have been advanced as to their requirements, and these again have found many different applications at the hands of the cultivator. Orchids have shared the fate of nearly all exotic plants at the beginning of their career in the garden and greenhouses; imaginary difficulties have complicated their cultivation and retarded their popularity, and even now they are barely over this critical point of their history, for new methods are still being tried.

The tendency of orchid growers to resort to all sorts of unusual proceedings in regard to the cultivation of the plants, and their diffidence in handling the strange and often very expensive new specimens, was broken when some twenty to twenty-five years ago large importations began to fill the markets. With the plants, intelligent advice and information arrived; and all at once orchids proved to be very easily satisfied, and, more than any other plant, able to survive neglect and harsh treatment.

The principle of the rational culture became to imitate as much as possible the natural conditions in the plants' native habitat, and we find that the epiphytal character of many orchids had been very intelligently studied. Blocks, rafts, baskets and pans were resorted to and fern fibre, sphagnum, charcoal, crocks, etc., in different compositions, were chosen to furnish the nourishment to the plants, their character as *air* plants being the main consideration.

Whether the epiphytal orchids really do take nourishment from the atmosphere more than any other green plant is problematic, or rather doubtful. A fact is, that many orchids attached to a piece of wood, and suspended in an atmosphere conveniently saturated with moisture, will live for a number of years and produce good flowers.

But the first success with this mode of treatment had led in the beginning of the orchid history to a great exaggeration of the necessity of the direct exposure of the roots to the air. We know now that the continuance of life, and for a year or two, of vigorous growth, was due rather to the reserve food which the plants had brought with them in the pseudo-bulbs, their leaves, stems or roots, as the case might be, than to normal vegetation.

We know by experience that with many orchids the optimum of leaf or bulb-growth does not coincide with the optimum of flower production. We find that orchids, which, as in the case of those grown on blocks, principally fed on the reserve food, will produce flowers more freely than bulbs and leaves, and that in the reversed conditions, if the plants are overfed, or not sufficiently rested; that is, if the reserve food is not allowed to be brought into action, the vegetation will be comparatively in favor of leaves and bulbs. It is not any more considered difficult to make orchids grow; but as the flowers are the desideratum, the growers study how to produce the maximum of flowers and at the same time maintain the vigor of the plant, in order to insure permanent success—that is growing orchids to a nicety.



New Fern, Nephrolepis Wittboldii.

Primarily a healthy, vigorous new growth, bulb, stem or leaf has to be produced, and this depends principally on the potting material and the maintenance of the proper state of moisture in it. The mechanical and chemical character of the potting material and its quantity has to be studied before all; and this found, the further attention is much simplified.

Cattleya citrina used to be grown on more or less bare blocks; but it was a generally admitted fact that the plants would deteriorate, gradually go back. Grown in pans, as has a few years been done by Sander in England, they are as easily managed as other orchids. Dendrobes shared the reputation of the cattleya named; but they are not difficult to grow if properly fed. Pans, and preferably pots, of standard depth, should be used to grow orchids in; they allow of a sufficient quantity of rooting material to be provided and afford the protection the tender roots need. Though some epiphytal orchids luxuriate in their native habitat on limbs of trees, or on nearly bare rocks among straggling ferns, there is no more reason to subject them to the same trying conditions in our greenhouses than there is, for instance, for the ferns, that we find covering rocks, but which we grow in good solid soil. The object of gardening is to improve the growth of plants, their fruits and flowers, and therewith their usefulness and beauty. The general principle has been to improve on the natural conditions, it has given the desired results, and it has proved to hold good with orchids, also. But they will stand a great deal of fatigue; they have a wonderful resisting power, and thus the effect of different treatments is not so readily traceable on them as on most other plants. It takes years to ascertain the rights and wrongs.

T. E.

(To be continued.)

BRIEFS FOR BUSY FLORISTS.

SMALL FERNS.—As a majority of these are used for filling small fernerles, they must be kept in the little pots as long as possible. To rush them along and get them into four-inch pots by the time they are needed for that purpose is a mistake, as in a good many cases they then have to be reduced at the roots considerably to allow of a sufficient number of them being planted together to make the jardiniere or fern dish look presentable. It will, therefore, be found good policy to keep them in the 2½ or 3-inch pots just as long as possible.

CHRYSANTHEMUMS.—Pot plants will require plenty of attention from now on to keep them in good shape. Pinching back the shoots should not be done later than this date. Keep the plants tied up to the supports as occasion requires, and if, when potted the last time, space was left to allow of a top dressing being given, the same ought to be put on now. A dressing of well-rotted cow or stable manure is the best that can be applied.

AZALEAS AND RHODODENDRONS that are plunged out-doors must not suffer for the want of water during these warm months. They will need to be looked over every day, and besides the watering, they should have an occasional good syringing, to help keep them clean.

The New Chicago Fern.

NEPHROLEPIS WITTBOLDII.

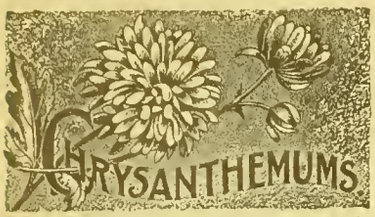
Many a plant, afterwards found of great value, has had what might be called a chance history. It is pretty much so with the new fern here illustrated. Among the hundreds of thousands of the valuable Boston fern grown and distributed by the Wittbold Co., of Chicago, along in 1897, when handling a lot of young stock in a bench, Otto Wittbold noticed a plant having three or four fronds only, decidedly distinct from any of its neighbors. The plant was set aside and the more its growth developed the more distinct the difference became; this distinction, by the way, all favoring a valuable acquisition, as the fern had many of the characteristics of the favorite Boston fern.

Whether it is a distinct species, a hybrid, or a sport, is not known. It shows, in some respects, the type of N. washingtoniensis; in others, more, those of the Boston fern. So impressed were the owners of its value as a grand and distinct companion to its best prototype, that when the original plant got old enough to show its character it was planted in a bench, in the same way as the family of nephrolepis generally is, and found to be nearly as prolific as the Boston fern for raising stock from. Bench after bench has been given up to its progeny, including benches over the walks in every house high enough to warrant it.

Those growing the Boston fern at its best well know that as the fronds get age a decidedly wavy or undulating condition is a notable feature. This in the Chicago fern is pronounced in the youngest state and later. It is also more robust in all ages and all growths, a well-grown frond being not unlike a young cycas frond, two feet six to three feet in length, and of a leathery enough texture to be used in the same way as cut cycas leaves are employed by retail florists. The spread of frond is easily 10 to 11 inches in the center, with the broadest spread on from the upper half of the frond; the widest part of the pinnæ, at the base, is six-eighths of an inch; the pinnæ tapering to a point, and are six inches long. These pinnæ instead of, as in the Boston fern, standing out at right angles with the main stem and forming at the largest a frond, say, five inches wide, slightly angle upwards towards the apex, giving a breadth of fern of about nine inches in the main part.

While the fronds, from their stouter stem, do not droop as freely as in the Boston fern, the habit is there, and the whole plant is decidedly of a more ornamental and striking character. It looks as though it will make a great commercial fern.

EDGAR SANDERS.



Buds.

The period is rapidly approaching when it is time to take the buds; in fact, with some of the earliest varieties the time is already here. The very early flowers of Gastelliler, Bergmann, De Montmort and others are produced from buds taken from the first of August onwards. Whether it pays to get flowers in the market before the beginning of October, every man must determine for himself. Early flowers of many varieties were cheap, far too cheap, in New York last Fall.

Any time after the 20th of August we find is early enough to take buds on Robinson, Australian Gold, Solar Queen, Glory of the Pacific, Merry Monarch and the general run of second early varieties.

The great bulk of the mid-season varieties, such as Maydower, Morel, Falconer, Childs, Golden Wedding, Frank Hardy and so on, are best taken after the 25th of August, but as soon after as you can get them.

Frank Hardy is a much maligned variety, owing to its habit of turning over its flowers, coming crook-necked, as it is called, but if the buds are taken from the 25th to the end of August, 99 per cent. of the flowers will come perfectly straight.

The late varieties, or perhaps I should say, the varieties that are intended for late work, since any variety can be got in flower by the 7th or 8th of November, should be taken on the late bud or terminal as it is called. If the variety was planted late and treated right, this bud will not appear, probably, before the end of October, and this, as the reader will notice, gives a range of three months for disbudding, and, of course, consequently three months flowering for the man who grows chrysanthemums from start to finish.

Some growers wait for the terminal bud to show in all varieties before they take it, but this is a great mistake, because there are some varieties that produce very fine flowers on late crowns, when the terminal flower is small and unsatisfactory.

Take a crown bud of Pennsylvania on August 25 and a terminal three weeks later, and the terminal bud will finish first; but there will be a great difference in the quality of the flowers.

One great trouble with taking crown buds is the fact that the neck of the flower becomes long and weak if the plants are growing closely together, and the consequences are disastrous to the flower, which falls over. The man who plants closely gains nothing any way. He more than loses what he makes. He may have twice the number of flowers, but they are of a cheaper grade, and at the least approach of a glut sell for less than half the price of the AI stock. Still it's a free country, and every man is at liberty to grow what he feels like growing.

IORA.

The Cultivation of Sweet Peas.

Read before the Pennsylvania Horticultural Society by Wm. Robertson, gardener to John W. Pepper, Esq., Jenkintown, Pa.

Read Before the Pennsylvania Horticultural Society by William Robertson, Gardener to John W. Pepper, Esq., Jenkintown, Pa.

It has been my practice to prepare the ground thoroughly in the fall and to sow the seed early in spring. In November dig a trench ten inches wide and one foot deep. Then put four inches of well decayed horse manure in the bottom of the trench, tramp it firm, and place two inches of soil on top of this manure; then give a liberal dusting of pure bone meal and cover this with soil in a rough condition and let the trench remain in this state until spring.

Sowing the seed depends greatly upon the weather and condition of the ground; but the seed should be in not later than the middle of March. Should the soil in the trench be too wet, take some dry soil from the shed and put one inch of this in the trench; sow the seed and cover with one inch of dry soil.

The white varieties are more liable to rot, and should not be sown before April 1. These varieties also require drier soil than the other colors, and these two conditions must be strictly carried out in order to have success with white sweet peas.

It is a good plan to have a ridge along the side of the trench to prevent surface water from running into it. Do not fill up the trenches with soil while the vines are growing. Allow a slight grade down into the trench, and by keeping the ground cultivated the spring rains usually wash all the soil into the trench which is necessary to be about the vines. As warm weather appears, use a mulch in the trench, and give a good watering as the ground gets dry.

This has been my method of cultivation, and its success can be seen from the fact that I have been awarded first premium for three consecutive years, in the competition for the Henry F. Michell prizes, for best general display of sweet peas exhibited before this Society.

It is advisable to sow named varieties in order to secure a full collection of the grandest blooms.

In my opinion, the following are the leaders in their different colors.

PINK. Blanche Ferry, Katherine Tracy, Miss Hunt, Princess Beatrice and Apple Blossom.

WHITE. Blanche Burpee and Queen of England.

RED. Cardinal, Firefly and Splendor.

BLUE. Navy Blue, Countess of Radnor and Monarch.

YELLOW. Primrose and Mrs. Eckford.

ORANGE PINK. Lady Mary Curry.



First Prize Sweet Peas.

Grown by Wm. Robertson, Gardener to John W. Pepper, Esq., Jenkintown, Pa.

Glaziers' Paste.

French Glaziers' Paste is a new substitute for putty, which G. N. Holland, Washington, D. C., is placing on the market in this country. It has been used for some time in Europe. The chemical composition is such as to allow for the climatic and atmospheric changes. The paste does not harden sufficiently to crack, and can be easily removed when necessary.

Bicentenary Notes.

Henry Eckford does not believe that a natural cross is possible with sweet peas, but that all the so-called sports are the result of artificial hybridizing.

Edward Laxton, son of the famous Thos. Laxton, affirms that the effect of a cross in sweet peas does not fully develop until the second year or later. Amateur hybridizers please take note and act accordingly.

Haage & Schmidt state that Crown Princess of Prussia was a natural sport, and not the result of an artificial cross. Is it not possible that local conditions that were not observed had something to do with its development?

The Rev. W. T. Hutchins suggests that, as all the different shades of color exist in the white, the first sweet pea might have been a white one, and the breaking up of this may have given birth to the varied tints we now possess. This is a very interesting idea, and a fuller statement of the theory from the prolific pen of its author will be heartily welcomed.

Mr. Kirby states that Emily Henderson first made its appearance in a field of Blanche Ferry. Is that why it so often produces a percentage of the parent variety? If the writer is not mistaken, the fault was developed in several sections the first year the variety was sent out.

Did the Painted Lady sweet pea originally come from Ceylon? On this point the writer invited a definite expression of opinion from the Conference, but "sports" and "hybrids" proved more interesting, and no collective opinion was given.

The veteran Sam Ainsworth said yes, and he has had to deal with sweet peas for more than sixty years. G. Stanton said no, because in southern Great Britain it is a hardy annual. In this connection the following extract from Maunder's Treasury of Geography may be of interest. Writing of Newera Ellia, which is situated in the mountainous regions of Ceylon, about forty-seven miles from Kandy, Maunders says: "Nothing about Newera Ellia tells of the tropics; the beauties of vegetation here wear a familiar aspect, as the eye is gladdened with floral gifts that pertain to the temperate zone, such as rhododendrons, violets, sweet peas, etc., etc.

Linnæus, Kniphof, Burmann and many other eminent botanists all held to the opinion, and C. C. Sprengel, in his work "Geheimniss der Natur," states that Linnæus received it from Ceylon, and on this account calls it the Lathyrus odoratus of Ceylon.

If then the opinion of the writer that it is properly Lathyrus odoratus zeylanicus be an error, he is honored in being found sinning in such good company.

More on this subject is likely to appear in another place.

Everybody is getting heartily sick of new varieties that differ only in the shadow of a shade from novelties of the preceding year, but it is nevertheless true that a pure nemophila blue and a brilliant golden yellow would gather the shekels into the pockets of the fortunate raisers.

S. B. DICKS.

TOBACCO STEMS
"Good Strong Kind."
60 CTS. PER 100 LBS.
BALES WEIGH 500 LBS.
TOBACCO DUST
"THE BLACK STUFF."
Fine or Coarse to Your Order.
50 to 1000 lbs., 2 cents per pound.
H. A. STOOTHOFF,
116 WEST STREET, NEW YORK CITY.
Mention this paper.



(172) **A Paint for Greenhouse Pipe.**—Please let me know through the Question Box of a good paint to put on 2-inch black iron pipe that is badly rusted—something that will not be harmful to rose plants. Also when is the best time to put it on the pipes—when they are hot or cold?

—The best paint for greenhouse pipes is that made by mixing together lamp black and linseed oil. Have it just thin enough to apply with a brush. Clean all the loose particles of rust from the pipes before painting them. The work of painting can be done either when the pipes are hot or cold, as no bad odor arises from the application.

(173) **Soot for Roses.**—Soot from soft coal, spread on the benches, helps to keep down snails, etc., and is also a good fertilizer.

(174) **Heating.**—I have a locomotive boiler about 35-h. p. My houses consist of one rose house, one carnation house and one for general stock—in all about 5,500 feet of glass; well piped and with overhead hot-water heating. There is plenty of fall to boiler. The outlet for flow pipe is only three inches; also return. Would it be better to make it four inches flow and the same for return? I do not think I get as good results as I should. I am also troubled with the water boiling out if I get the fire a little too strong. I am connected with city water system, but have to fill the boiler, as it needs it, same as you would a steam boiler. Can it be connected with the city water main so as to fill of its own accord when it boiled over; if so, how can it be done?—J. G.

—When an open system is used it is not advisable to attempt to carry more than 600 feet of radiation with a 3-inch flow, although 800 or even 1,000 feet can be carried; 800 to 1,200 feet can be carried by a 3½-inch flow and 1,200 to 1,600 with a 4-inch. For 5,500 feet of glass, not far from 1,600 feet of radiation will ordinarily be required for three houses to be used for the purposes stated, and for an open system it will be well to use a 4½-inch flow and a return of the same size. With mains of this size and the proper amount of radiating surface, the required temperatures could be maintained with a gentle fire in a 35horse-power boiler, and there should be no trouble from the boiling out of the water. However, when locomotive and other tubular boilers are used for hot water, it is a good plan to run them under pressure. In the present instance, it will only be necessary to place a stopcock in the pipe leading to the expansion tank, and connect the city water at the highest point in the system. The connection could be made at any point, but from danger of the drawing off the water should a break occur in the city water system.

To prevent danger from an explosion, a vertical pipe should be placed at the highest point in the system, and the end closed by a safety valve, set slightly higher than the pressure that will be carried in the city main. It is also well to place a vacuum valve just below the safety valve, to prevent the siphoning of the water from the heating pipes in case of a break in the city mains.—L. R. T.

CHANGES IN BUSINESS.

MINNEAPOLIS, MINN.—L. S. Donaldson has purchased the greenhouses and stock of the C. A. Smith Floral Co. It is understood that the new owner intends to make improvements on and extensions to the plant.

ST. LOUIS, MO.—The Koenig Floral Co. has been incorporated, with a capital stock of $2,000. Incorporators—Otto G. Koenig, Katie M. Koenig, John L. Koenig, and Amanda Koenig.

You cannot, in justice to yourself, afford to remain away from the Convention next week. Everything is in readiness for the biggest and most successful gathering in the history of the S. A. F.

Coal Purchase.

It will be recollected, some time back the Chicago Florists' Club appointed a committee to try, by united action, to obtain more favorable prices on the enormous quantity of coal used by vegetable gardeners and florists in and around Chicago While, as the chairman reports in what follows, no direct results have been obtained, much information has been gathered together that is of considerable value. The committee's work should be continued and pressed for all it is worth. ESS.

REPORT OF THE COMMITTEE.

The committee has been offered by firms which they believe to be reliable the following prices:

Strictly Lower-Vein Brazil Block (for the season ending April 1, 1901)	$2 45
Hocking Valley coal (for the season ending April 1, 1901):	
Domestic lump	2 80
Steam lump	2 70
Mine run	2 65
Steam nut	2 30
Central Illinois coal (mined on Illinois Central R. R., a very good grade):	
Domestic lump, immediate delivery	1 90
Season contract	2 00
Steam lump, immediate delivery.	1 80
Season contract	1 90
Egg coal, immediate delivery	2 00
Season contract	2 10
Nut coal, immediate delivery	1 70
Season contract	1 80

On the above Illinois coal, $3.00 switching charges per car can be paid by the *shipper* at the above prices.

Streator lump, present price at Chicago	2 00
" " " at mines..	1 80
(Cannot make season contract.)	
Wilmington & Spring Valley, present price: Standard lump (at mines)...	2 15
Chunk, " ...	2 25

No season contract can be made on Wilmington coal, but special prices can be made for season contracts on Spring Valley coal.

Pocahontas coal (smokeless):	
Mine run, present delivery	3 35

Season contract cannot be made, but it is not probable that prices will go higher.

New River (smokeless):	
Mine run, present delivery	3 25
(Cannot contract for season)	
Thacker splint, West Virginia, steam lump (season ending April 1, 1901)..	3 05
Henriette smokeless, run of mine, (season ending April 1, 1901)	3 50

The above prices are based on delivery on the cars at Chicago. Some florists may be so located that a reduction can be obtained by saving on freight charges. In other cases the conditions may be such as to increase the prices somewhat. In case the railroads lower the freight rates from mines, these prices will be lowered to correspond, but no increase will be made on the prices given on season contract.

Any florist or market gardener who is interested will be placed in communication with the persons making these offers on application to W. N. Rudd, Room 1002, 185 Dearborn street, Chicago.

I feel warranted in recommending that florists using less than 1,000 tons should buy the Lower-vein Brazil Block, unless freight rates and shipping charges should strongly favor some other coal. Much of the so-called Lower-vein Brazil Block in the market is mixed with Upper-vein, which is a cheaper coal. We are assured of being furnished with genuine article at the above price. Of course, those employing expert firemen day and night may be able to use the cheaper coals profitably.

Having no authority to contract or buy, the committee has been unable to deal direct with the mines, and undoubtedly has not obtained as low prices as it could have done could it have assumed the purchase of even 15,000 of the 25,000 tons listed with it. It is hoped that a beginning may be made this year, and that all will buy through the committee who can, as the purchase of a large quantity this year will make it easier next year to obtain concessions. Respectfully submitted,

W. N. RUDD, Chairman.

Pan-American Progress.

The weather for the past month has been rather dry, on the whole, yet it has been very favorable for the development of the ground. But few hours have been lost since the opening of Spring, on account of wet weather. Since my last notes a great deal of finishing has been done to that portion of the ground lying south and east and west of the Mirror Lakes. Many acres near the Elmwood avenue entrance are now in a most complete state. Flower beds are prepared, and the grass, the sowing of which has been going on every day this Summer, now gives this portion of the grounds a most finished and beautiful appearance. The rapidity and luxuriance with which the grass grows has been a revelation to our citizens and all visitors. Mr. Rudolph Ulrich has a large staff of men constantly seeding, and another gang continually following with the hose, and their labor is well rewarded.

People who doubted that the immense amount of work to be accomplished could be finished, now feel assured that there will be no difficulty in getting all of the ground in order by the opening day. The sunken gardens in front of the Horticulture and Government buildings respectively are excavated. The fancy garden on each side of the large basin, known as "The Cascades," is now surfaced, and the banks will soon be green. This is in the very center of the building region. The bottom of the canal and lakes have been covered with two inches of broken lime-stone, which insures their



THE LATE LOUIS MENAND.

being what their name implies, "Mirror Lakes," and not muddy pieces of water.

The United States government is making a large display of ornamental and economic grasses that are useful and hardy in this latitude. Several of our leading seed houses have secured plots of ground, varying from one-eighth to one-half an acre, and are having them seeded, and will ornament with flower beds.

At the south border of the Mirror Lakes, and also in the many inlets and bays on both sides of the fore court and grand approach, are planted 1,400 nymphæas, with a few groups of nelumbiums. Clay banks, or dams, have been made to retain 18 inches of water for the accommodation of these aquatics which are the exhibit of Henry A. Dreer, of Philadelphia, and if in one area, would cover about an acre and a half of water. They must make a magnificent appearance from the banks of both sides of the lake. They are already making good growth, which assures us of a grand display for next year.

Work is progressing finely on all buildings. The Propylæa, the most northern direction of the grounds, is nearly completed. The Electricity Building, Agricultural Building, Graphic Arts, Forestry and Mines, United States Government Building, all are going up. The largest two buildings, which are the Machinery and Transportation and Manufactures and Liberal Arts, each 350 feet by 500 feet will soon be roofed in.

A remarkable feature of this Exposition is the immense interest and confidence displayed by the leading amusement people of the world. It is a fact that the amusement, or Midway features, will entail a larger outlay of money than the whole of the Exposition at Omaha cost. To accommodate the many remarkable novelties that will be exhibited they will now occupy the ground to the south of the Mall and extending south below the Horticultural Building. Many of these attractions and features of amusement are to be on a most expensive scale, and this is at the risk of the concessionaires. It shows what confidence they have in the prospective attendance.

The half-million dollar Art Gallery, the gift of Mr. J. J. Albright, is going up rapidly. This is situated in the park proper, overlooking the lake. The New York State Building is also in the park at the northeast corner, and is rapidly building. A magnificent new boat house and refectory will be built in the park proper, and a new bridge spanning the lake between the north bay and the large bay, at a cost of $50,000. These are permanent improvements.

Beautiful as the grounds of the Pan-American Exposition now appear, the visitor can form but little idea of what they will be, because there is at present a high board fence separating the acquired ground for the Exposition proper from the park. When that is torn down, and the 100 acres of the beautiful park scenery is then part of the whole, it will be seen what an immense advantage it is to have the park a part of the Exposition. WILLIAM SCOTT.

OBITUARY.

Louis Menand.

Louis Menand, the "grand old man" of the florist craft, passed away Wednesday, August 15, at his home near Albany, N. Y., at the ripe age of 93 years. Mr. Menand had been a prominent figure in American floriculture for the past 60 years, and had seen the industry grow from almost its infancy to its present magnitude; he himself contributing not a little to its wonderful development.

Deceased was a born gardener. He first saw the light on the 2d of August, 1807, in the old province of France called Burgundy. His father was also a gardener, and from him the son inherited the love for plants and flowers, which was his abiding portion until his death. Louis first essayed to grow plants from cuttings when he was but ten years old. His first employment in his chosen vocation he secured in the neighborhood of Paris.

Leaving his native country in July, 1837, at the age of 30 years, he landed in America on September 7, of that year, with numerous testimonials in his possession as to his capabilities, to people in various parts of the New World and in Havana. His desire to master the English language led him to refuse a position offered him as curator of a botanical garden in the latter city, and to accept one in the employ of George Thorburn, at Astoria, L. I. Here he remained three years, leaving for Albany the latter part of October, 1840, which city he had since made his home.

His varied experiences in the country of his adoption have been recounted by himself in his "Autobiography and Recollections" in his own quaint, terse style, a book written principally, as he tells, to while away the hours of his declining days, and to divert his thoughts from dwelling too much on the loss of his wife and faithful helpmate. The reader's interest in this work centers in the author's early struggles to acquire an education; difficulties before which a less stout heart and indomitable perseverance would have quailed; his various successes in the early days of his career in America with Cape and New Holland plants at the then exhibitions of the Brooklyn Horticultural Society and elsewhere; and his innate hatred of sham, deceit and humbug, in whatever form disclosed. This love for the favorites of his early years he cherished all his life long. At one time he had an excellent collection of orchids, among them valuable specimens of such as Vanda Corningii, which was sold for $250, cymbidiums, angræcums, and others. He also gathered around him a magnificent collection of cacti and succulents, his partiality for which curious class of plants remained to the end.

His long and useful gardening career presents numerous traits well worthy of emulation by those he has left behind, and his manly character, his sterling integrity and beautiful home life commanded the respect and admiration of all who knew him, whether as a friend or business associate.

J. R. Shaver.

J. R. Shaver, a florist of Charleston, W. Va., died from apoplexy last week. He was riding his wheel and became overheated. Deceased was 61 years of age, had been in the florist business for 16 years, but retired some time ago. The greenhouses will be conducted by J. W. Alexander, his successor.

Reports from France state that the vineyardists there have been successful "in dissipating hailstorms by firing cannon at the clouds." Respectfully submitted for the information of the Florists' Hail Association.

CRYPTOMERIA JAPONICA JAPAN CEDAR.

THE NOVELTY DECORATIVE PINE.
Everybody wants it. There is money in it. Strong plants, from 2 inch pots, $5.00 per 100, or 20 for $1.00, by express. SMILAX, from 2 in. pots, $1.25 per 100.
SATISFACTION GUARANTEED.

E. I. RAWLINGS, Quakertown, Pa.

Mention the Florists' Exchange when writing.

"STUDER OFFERS"

Young healthy stock of the following decoration plants, fit for 4 and 5 inch pots, to grow on for next winter's use.

Palms, Arecas, Latanias, Phœnix, Cocos Weddelliana, Coryphas, 10, 12 and 15 cts. each.

Pandanus Utilis, Dracæna Fragrans, Terminalis, Massangeuen, Lindeni, 10, 15 and 20 cts. each.

Antirrhinums, Marantas, Alocasia, Dieffenbachia, 10 and 15 cts.

Ferns: Bostoniensis, Washingtoniensis, Exaltata, Lomaria Gibba, 10, 15 and 20 cts.

Smaller plants of above and such as used for fern dishes: **Carex Japonica, Selaginellas, Small Ferns, Antherieums, Maranta Zebrina, Fittonias, Cyperus, Begonias,** etc., 3 to 5 c.

20,000 Large Palms, Ferns, including **Davallioides Furcans, Pandanus,** etc., from 6, 7, 8 and 9 inch pots, for 75 cts. to $3.00 each.

Ficus, from 4 inch pots, fit for 6 inch, 25 cts. each.

Stock in excellent condition, and on exhibition at the S. A. F. Convention in New York, and in the Nursery here. 10 per cent. discount for cash with order.

N. STUDER, Harrison Street, **Anacostia, D. C.**

Mention the Florists' Exchange when writing.

Adiantum Cuneatum

2½ in. pots, $4 per 100; 3½ in. pots, $6 per 100; 3½ in. pots, large plants, $10 per 100; selected plants, 3½ in. pots, $12 per 100.

Asparagus Sprengeri

2½ in. pots, $4 per 100; $30 per 1000.
3 in. pots, $5 per 100.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

A Few Good Things You Want

KENTIA BELMOREANA and **FORSTERIANA,** 2½ in., 10c.; 3 in., 18c.; 4 in., 35c.; 5 in., 50c. each.
ARECA LUTESCENS, 3 in., 3 plants to pot, 18c.; 4 in., 25c. each. All cool grown, nice clean stock, and cannot be duplicated anywhere for the money.
ROSE BRIDESMAID, 3 in., $5.00 per 100.
SWORD FERN, Nephrolepis Cordata Compacta, 2½ in., $3.00 per 100.
SMILAX, 2 in., $2.00 per 100.
REX BEGONIA, finest varieties, 2½ in., $4.00; 3 in., $6.00 per 100.
GERANIUMS, double and single, Grant, Mme. Bruant, Mrs E. G. Hill, Poitevine, Bonnat and S. A. Nutt, 3 in., $5.00 per 100.
CAMPBELL VIOLET and **VINCA VAR.,** 2½ in., $3.00 per 100.
PRIMULA CHINENSIS, 2 inch, $3.00; 3 inch, $4.00 per 100.
CINERARIA, 2 inch, $2.00; 3 inch, $4.00 per 100.
CYCLAMEN GIGANTEUM, 2½ inch, $4.00; 3 inch, $8.00 per 100.
ASPARAGUS Sprengeri and **Plumosus,** 2 in., $5.00; 3 in., $8.00 per 100.

Cash with order.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

BOSTON FERNS—2½ inch, $5.00 per 100; 3 inch, $8.00 per 100.
CRIMSON RAMBLER ROSES We will have a fine lot of field plants for winter forcing. Orders taken now.
THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

ASSORTED FERNS IN FLATS

Ready for potting, $2.00 per flat.

If you are in the market for FERNS, this is the most advantageous way to buy in a stock at a little cost. Each flat contains 110 clumps of small plants, which can be divided in 3 to 5 plants, according as you wish them.

BOSTON FERNS, ready for 3 in. pots, $6.00 per 100; ready for 4 in. pots, $15.00 per 100; for 5 and 6 in. pots, $20.00 and $25.00 per 100; extra fine plants, in 5 and 6 in. pots, now ready for a shift into pans or pots, $35.00 per 100; $4.50 per doz. This is exceptionally good value.
ASPARAGUS PLUMOSUS NANUS, 3 in. pots, extra fine, $8.00 per 100.
" **SPRENGERI,** 3 in. pots, $6.00 per 100.
KENTIA BELMOREANA, 2½ in. pots, $10.00 per 100; 4 in. pots, $40.00 per 100.
" " **FORSTERIANA,** 6-7 in. pots, $1.50, $1.75, $2.00, $2.50, $3.00, up to $5.00 each

BOBBINK & ATKINS, Rutherford, N. J.

Mention the Florists' Exchange when writing.

WALTER RETZER & Co.

WHOLESALE PALM GROWERS

2045-59 CLARENDON AVE. (N. Halsted St.) **CHICAGO, ILL.**

WRITE TO US FOR PRICES BEFORE BUYING ELSEWHERE.

Mention the Florists' Exchange when writing.

PALMS and DECORATIVE PLANTS

THE stock that I offer for the coming season is now in splendid condition, fully up to the high standard my plants have attained for condition and hardiness.

Fair samples can be seen at New York during S. A. F. Convention, where I shall be pleased to receive orders or furnish any information desired.

Price Lists Now Ready and Mailed Free on Application.

CHAS. D. BALL, HOLMESBURG, PHILA., PA.

Mention the Florists' Exchange when writing.

Newport, R. I.

The flower trade, which was slack during the early part of the season, is now booming; and never was there so much competition as now, all being apparently busy. Hodgson, as usual, getting the lion's share. The new firm of Wadley & Smythe appear to have about all they can attend to.

The Newport delegation to the S. A. F. Convention will be small. Among those who intend going are Robert Humrick and Fred Ziegler. The latter, seedsman with the G. A. Weaver Co., intends spending ten days in and around New York.

J. S. Hay, formerly seedsman with the G. A. Weaver Co., has gone to Philadelphia to enter the employ of Henry A. Dreer, in the seed department.

The musk melon crop is a failure here, caused by the leaf blight, for which, apparently, there is no known remedy.

MAC.

Asparagus Sprengeri Strong, 2½ in., $3.00; 3 in., $4.00 per 100. **Plumosus N.,** extra strong, 2½ in., $5.00 per 100. **Violets,** Marie Louise, healthiest stock in the country, fine clumps, ready for immediate delivery, $3.00 per 100; $30.00 per 1000. CASH. **WM. S. HERZOG, Morris Plains, N.J.**

Mention the Florists' Exchange when writing.

BOSTON FERNS

Now ready. $5.00 per 100.

H. L. CAMERON, No Cambridge, Mass.

Mention the Florists' Exchange when writing.

WHEN AT THE CONVENTION

Do not fail to see the exhibit of our new fern

Nephrolepis Wittboldii

Then if it strikes your fancy, do not fail to procure some of the first stock, for which we will book orders

THE GEORGE WITTBOLD CO., 1657 Buckingham Pl., Chicago.

Mention the Florists' Exchange when writing.

FERNS Our Specialty.

A Grand Stock of **MAIDEN HAIR FERNS,** in 4 in., ready for 5 in. pots..	$8.00	$75.00
Full-grown plants, in 2¼ in., ready for a shift	3.50	30 00
Fine lot of **ASSORTED FERNS** for **Jardinieres,** all the best varieties, in 2¼ inch pots	4 00	35.00
Asparagus Sprengeri, 5 in. pots	15.00	
Gardenia Florida, strong, healthy plants, 5 in. pots	15.00	
Gardenia Florida, 2¼ in. pots, extra strong	4.00	

Money returned if not satisfactory.
TERMS CASH OR C. O. D.

ANDERSON & CHRISTENSEN, SHORT HILLS, N. J.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR JAPANESE FERN BALLS

Many thousand sold last season. Now is the time to place importation orders. Write for special prices for December delivery.

JAMES VICK'S SONS,
ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

AT A BARGAIN.

500 Bridesmaid Roses, 3-in., good stock, at $4.00 per 100; the 500 for $18.00 cash.
Palms, Kentia Belmoreana, 2-in., per 100, $7.00; 3-in., per 100, $20.00.
Latania Borbonica, 3-in., per 100, $15.00.
Dracæna Sanderiana, 2-in., per doz., $1.50
Selaginella Emmeliana, 2-in., per 100, $3.00.
Asparagus Sprengeri, fine, 2-in., per 100, $4.00.
Grevillea Robusta, 3-in., per 100, $5.00.
Rex Begonias, 3 in., in 10 good varieties, per 100, $7.00.

SMILAX,
Good Stock, from Pots, at $1.25 per 100; $10 per 1000.
Satisfaction Guaranteed. Cash with Order.

GEO. L. MILLER, Newark, Ohio.

Mention the Florists' Exchange when writing.

St. Louis.

State of Trade.

Business and market conditions remain practically as per last report. Funeral work, and not very much of that, comprises all that is doing. Stock received, owing to the hot weather, has a bedraggled look.

Our city will be poorly represented at the Convention. Not over eight or ten are going, as far as we can learn.

An Outing.

Ten members of the Florists' Club accepted an invitation from Fred. Amman to visit his place in Edwardsville on Sunday last. A most enjoyable time is reported by those who attended. They were met at the station with carriages and driven to the place of Mr. Amman, an inspection of which revealed it in tip-top order. Roses, especially Perle, in the growing of which Mr. Amman excels, were very fine. His carnations were also in an extra fine state. Dinner was served at the leading hotel, after which toasts were in order, speeches being made by Dr. Halstead, President-elect Guy and Mr. Amman. The balance of the day was spent on the lawns, where all kinds of innocent amusement were indulged in until train time, when a tired but well satisfied crowd returned home.

Club Meeting.

The regular meeting took place on the 9th inst. Attendance was fair. The most important business was the election of officers, which resulted as follows: President, E. W. Guy, of Belleville; vice-president, Chas. Juengel; secretary, E. Schray; treasurer, J. J. Beneke. Trustees: J. W. Kunz, F. J. Fillmore, Phil. Mobr. The annual report of the secretary showed a slight decrease in the membership during the year—nine members having been dropped, five resigned and two having died. The secretary thinks the failure of the chrysanthemum show is mostly responsible for these resignations. The resignation of Andrew Meyer was received and accepted, and the application of Wm. F. Adels, for membership, was received and read for the first time.

A vote of sympathy was extended to the family of J. J. Beneke on the death of his daughter, which occurred some time since, also to Edwin Lonsdale, whose two daughters were recently drowned.

An invitation from the Philadelphia Florists' Club was received—to have such members as are going to the Convention drop off at that city and visit their club rooms.

Firm Changes.

John L. and Otto G. Koenig, sons and successors to the late Julius Koenig, have incorporated the business under the name of the Koenig Floral Co. This is an old and reliable business concern, catering to the wants of the people of the north end, and making a specialty of cemetery work. We hope the boys will sustain the enviable reputation so long enjoyed by their late father.

C. C. S.

Omaha, Neb.

Business Items.

Trade for the past week has been much better than during the week preceding; but the good stock was about as scarce as it could be without being invisible. Young Beauty are beginning to come in, and go readily at from $1 to $1.50 per dozen. Carnations are getting very poor, and are retailing for 25c. and 30c. per dozen. Asters are quite popular at from 25c. to 40c. Of roses nothing can be said, as they are so poor they are sold at any price. Some very good cosmos is seen and seems to take.

A party of florists visited W. J. Hesser, at Plattsmouth, recently, and report having had a very good time, with inspecting his palms and ferns, and incidentally partaking of some of the vineyard products.

S. B. Stewart and wife have been out camping for the last two weeks.

Miss Cassie Arnold has been ill for a fortnight, but is now able to be about.

J. H. B.

Milwaukee, Wis.

Messrs. Riemer & Radmer, 411 State street, have recently set for Mr. B. Heyden, of their city, a No. 8 Furman brick-set hot-water boiler. Messrs. Riemer & Radmer have been very successful thus far this season in introducing their system of heating for greenhouses.

BOSTON FERN—A Specialty

L. H. FOSTER, 45 KING STREET, Dorchester, Mass.

Mention the Florists' Exchange when writing.

FERNS, ETC.

CHEAP FOR CASH.

	Inch pots	Price each	Per 10	Per 100
Adiantum Capillus Veneris,	2½	$0.04	$0.30	$2.50
" " "	3	.05	.45	4.00
A.C.V. Imbricatum or Hardy Farleyense	3	.15	1.50	
" " "	4	.30	3 00	
Selaginella Emmeliana	2	.04	.30	2.50
" " "	3	.06	.50	4.50
" " "	4	.10	.90	6.00

For other varieties and sizes see wholesale list, from which 10 per cent. discount will be given on all orders accompanied with cash.

W. J. HESSER, Plattsmouth, Neb.

Mention the Florists' Exchange when writing

BOSTON FERNS

N. Exaltata Bostoniensis.

Small plants, $5.00 per 100 or $40.00 per 1000; large plants, $6.00 to $50.00 per 100; taken from the bench.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 in. pots, $3.00 and $4.00 per doz.

Asparagus Plumosus, 2½ in. pots, $5.00 to $6.00 per 100; 3½ in. pots, $12.00 per 100.

Asparagus Sprengeri, 2½ in. pots, $5.00 to $6.00 per 100.

Araucaria Excelsa, 14 to 16 ins. high, 4 to 5 tiers, 6 in. pots, $1.00 and $1.25 each; 20 to 24 ins. high, 5 to 6 tiers, 6 in. pots, $1.50 each; larger size, $2.00 and $2 50 each.

Rubber Plants, 12 to 15 ins. high, $4.00 per doz., and 20 to 24 ins. high, $6.00 per doz.

Chinese Primroses, 2½ inch pots, $3.50 per 100.

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. **Connected with Telephone.**

Mention the Florists' Exchange when writing.

ASSORTED FERNS

$10.00 per 1000.

BOSTON FERNS Ready for pots, $2.00 per 100; $18.00 per 1000.

ARECA LUTESCENS Extra large plants, from $1.50 to $4.00 each.

KENTIA BELMOREANA 2 inch pots, $6.00 per 100.

PANDANUS VEITCHII Fine, large plants, in 8 inch pots, $2.00 each.

PANDANUS UTILIS In 8 inch pots, $1.50 each.

Just 40 minutes' ride from S. A. F. Convention Hall.

JOHN SCOTT, Keap Street Greenhouses, Brooklyn, N. Y.

TELEPHONE, No. 1207 WILLIAMSBURGH.

Mention this paper.

Mention the Florists' Exchange when writing.

DREER'S SPECIAL OFFER OF PALMS AND ARAUCARIAS



KENTIA BELMOREANA.

ARECA LUTESCENS.

A fine, clean, thrifty lot of this popular graceful variety.

				Doz.	100
2¼ in. pots,	1 plant	in a pot,	6 to 8 in. high,	$1.00	$6.00
3 "	2 plants	" "	10 to 12 "	1.25	10.00
4 "	3 "	" "	12 to 15 "	3.00	25.00
6 "	3 "	" "	24 "	12.00	100.00

KENTIA BELMOREANA.

Inch pots.	No. of Leaves.	Height.	Per doz.	Per 100	Per 1000
2¼	3 to 4	8 in.	$1 50	$12.00	$100.00
3	4 to 5	10 to 12 "	3.00	25.00	200.00
4	5 to 6	15 "	4.50	35.00	
5	5 to 6	18 " light	7.50	60.00	
			Each.	Dozen.	
6	6	24 "	$1 25	$15.00	
6	6 to 7	26 to 26 "	1.50	18.00	
6	6 to 7	28 to 30 "	2.00	24.00	

KENTIA FORSTERIANA.

Inch pots.	No. of Leaves.	Height.	Per doz.	Per 100	Per 1000
2¼	3	8 in.	$1 50	$12.00	$100 00
3	3 to 4	12 "	2.50	20.00	180.00
4	4 to 5	15.00	4 50	35.00	
			Each.	Doz.	
6	5	24 to 28 "	$1.00	$12.00	
6	5 to 6	30 "	1,25	15.00	
6	6	26 to 32 "	1.50	18 00	
6	6 to 7	30 to 36 "	2.00	24 00	
7	6	36 to 42 "	2.50	30.00	

COCOS WEDDELIANA.

Indispensable in filling Fern Dishes, Jardinieres, or for decorative purposes where a specially graceful plant is required.

		Per doz.	Per 100
2¼ in. pots,	4 to 5 ins. high,	$1.25	$10.00
3 "	8 to 10 "	2 00	15.00

5 in. pots, 4 plants in pot, 18 ins. high, 75 cents each; $9.00 per dozen.

COCOS PLUMOSUS.

2½ inch pots.....$1.00 per doz.; $8 00 per 100
3 " ..... 1.25 " 10.00 "

ARECA BAUERI.

6 inch pots, 2 plants in a pot, 18 inches high, 75 cents each; $7.50 per dozen.

CALAMUS INTERMEDIUS.

A pretty decorative species, with dark green foliage, the stems of which are clothed with long dark spines. 5 inch pots, 15 inches high, $1.00 each.

CARYOTA URENS (Fish-Tail Palm).

2¼ inch pots.....$1.00 per doz.; $8.00 per 100
3 " ..... 1.25 " 10.00 "
4 " ..... 2.50 " 20.00 "

CARYOTA SOBOLIFERA.

2¼ inch pots, $1.00 per doz., $6.00 per 100; 3 inch pots, $1.25 per doz., $10.00 per 100.

LATANIA BORBONICA.

Inch pots.	No. of Leaves.	Height.	Per doz.	Per 100	Per 1000
2¼	3		$0.60	$5.00	$40.00
3	4 to 6		1.00	8.00	75 00
4	4 to 5	12 to 15 in.	2.50	20.00	

6 inch pots, 5 to 6 leaves, 15 inches high, $6.00 per doz., $50.00 per 100.

LIVISTONA ROTUNDIFOLIA.

2 inch pots.....$1.25 per doz.; $8.00 per 100
3 " ..... 2.00 " 15.00 "

PHOENIX RUPICOLA.

This variety is always scarce; we offer a limited lot of finely-developed plants.

2 inch pots.....$1.00 per doz.; $8.00 per 100
3 " ..... 1.25 " 10.00 "
4 " ..... 3.50 " 25.00 "

Finely characterized specimens as below:

6 inch pots, 18 inches high .....$1.50 each
8 " 24 to 26 " ..... 2.50 "
9 " 30 " ..... 3.50 "

PHOENIX RECLINATA.

2 inch pots.....$0.75 per doz.; $6.00 per 100
3 " ..... 1.00 " 8.00 "
4 " ..... 3.00 " 25.00 "

ARAUCARIA EXCELSA (Norfolk Island Pine).

Our stock of these is exceptionally large, especially in small and medium sizes, for which there is always a strong demand.

4 inch pots,	6 to 6 inches high,	2 to 3 tiers,	$0.50 each	
4 "	8 "	3 "	.60 "	
6 "	12 to 14 "	3 "	1.00 "	
6 "	16 to 18 "	4 "	1.25 "	
7 "	20 to 24 "	4 to 5 "	2.50 "	

PANDANUS VEITCHI.

6 inch pots, 15 to 18 inches high.....$1.00 each

Large Decorative Plants of Kentias.

WE have a large stock of Belmoreana and Forsteriana, in both single and made up plants, the most of them growing in light wooden tubs, 12, 15 and 18 inches in diameter, which can be supplied in excellent value at $7.50, $10.00, $12.50, $15.00, $20.00, $25.00, $30.00, $35.00 and $50.00 each.

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HENRY A. DREER, 714 CHESTNUT STREET, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

FINE PALMS.

Kentia Belmoreana and **Forsteriana**—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, from $2.50 upwards.

Phœnix reclinata, 4 in. pots, $20 per 100; 5 in. pots, $40 per 100; 6 in. pots, 35c. each; 7 in. pots, $1.25 each; specimen plants, $2.00 upwards.

Areca Lutescens, 3 in., $15 per 100; 4 in., $25 per 100.

Latania Borbonica, 4 in., $20 per 100.

JOHN BADER, Troy Hill, Allegheny, Pa.
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FOR CULTIVATION.

40 varieties. Try them in your planting. They will thrive and increase in size and beauty where other plants fail. Catalogue of these and other herbaceous perennials.

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Transplanted seedling plants, for July and August delivery, ready for 2½ inch pots, at $3.00 per 100; $25.00 per 1000; 500 at thousand rates. Express prepaid.

Cash with Order, Please.

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KENTIA BELMOREANA,
and KENTIA FOSTERIANA.

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Out of 10 inch pans.....$1.50 each.
Out of 8 inch pans.....75 cts. to 1.00 each.
Out of 4 inch pots.....$25.00 per 100.

PTERIS CRETICA ALBO LINEATA

From 2½ inch pots, $3 00 per 100;
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Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

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FRESH FERN SPORES Mixed varieties. Package sufficient for 3000 to 5000 ferns, $1.00, postpaid.

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STRONG PLANTS, IN GOOD CONDITION

2 in pots, $5.00 per 100; $45.00 per 1000
3 in pots, $8.00 per 100; $70.00 per 1000
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...Wholesale Prices of Cut Flowers...

	Names and Varieties	New York Aug. 17, 1900	Boston Aug. 16, 1900	Philadelphia Aug. 16, 1900	Baltimore July 31, 1900	Buffalo Aug. 16, 1900
Roses	A. BEAUTY, fancy—special	10.00 to 25.00	12.50 to 20.00	15.00 to 25.00	.... to	20.00 to 25.00
	" extra	5.00 to 10.00	8.00 to 10.00	12.00 to 20.00	.... to	15.00 to 20.00
	" No. 1	3.00 to 5.00	4.00 to 6.00	12.00 to 15.00	6.00 to 10.00	10.00 to 15.00
	" Culls & ordinary	.50 to 1.00	1.00 to 4.00	2.00 to 3.00	3.00 to 6.00	.... to ....
	Bride, 'Maid, fancy—spc'l	3.00 to 4.00	.... to 6.00	.... to 8.00	.... to	.... to ....
	" extra	2.00 to 3.00	.... to 4.00	4.00 to 6.00	2.00 to 4.00	5.00 to 6.00
	" No. 1	1.00 to 2.00	2.00 to 3.00	.... to 3.00	2.00 to 4.00	3.00 to 4.00
	" No. 2	.50 to 1.00	1.00 to 2.00	1.00 to 2.00	.... to	.... to ....
	K. A. Victoria	3.00 to 6.00	2.00 to 3.00	2.00 to 6.00	2.00 to 5.00	4.00 to 5.00
	La France	1.00 to 3.00	.... to	2.00 to 6.00	2.00 to 4.00	.... to ....
	Meteor	1.00 to 4.00	.... to	.... to	2.00 to 4.00	3.00 to 6.00
	Papa Gontier	.... to	.... to	.... to	.... to	.... to ....
	Perle	1.00 to 2.00	1.00 to 4.00	2.00 to 4.00	2.00 to 3.00	.... to ....
	Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
	ORCHIDS—Cattleyas	.... to	.... to	.... to 50.00	.... to	.... to ....
	Cypripediums	.... to	.... to	.... to	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	.50 to .75	.50 to 1.00	.40 to .50	.50 to .60	.... to ....
	STANDARD VARIETIES White	.50 to .75	.... to .50	.... to 1.00	.75 to 1.00	.75 to 1.00
	STANDARD VARIETIES Pink	.50 to .75	.50 to 1.00	.... to 1.00	.75 to 1.00	.75 to 1.00
	STANDARD VARIETIES Red	.50 to .75	.50 to 1.00	.... to 1.00	.75 to 1.00	.75 to 1.00
	STANDARD VARIETIES Yel.&Var.	.50 to .75	.50 to 1.00	.... to 1.00	.... to	.... to ....
	*FANCY— White	1.00 to 1.25	.... to 1.00	1.00 to 1.50	1.25 to 2.00	.... to ....
	*FANCY— Pink (*The highest grades of standard var)	1.00 to 1.25	.... to 1.00	1.00 to 1.50	1.25 to 2.00	1.00 to 1.50
	*FANCY— Red	1.00 to 1.25	.... to 1.00	1.00 to 1.50	1.25 to 2.00	1.00 to 1.50
	*FANCY— Yel.&Var.	1.00 to 1.25	.... to 1.00	1.00 to 1.50	.... to	1.00 to 1.50
	NOVELTIES	1.00 to 1.25	1.00 to 1.50	.... to 2.00	.... to	.... to ....
	ADIANTUM	.... to .50	.... to .60	.75 to 1.00	.... to 1.00	.75 to 1.00
	ASPARAGUS	35.00 to 40.00	35.00 to 50.00	35.00 to 50.00	25.00 to 75.00	50.00 to 60.00
	ASTERS	.20 to 1.00	.20 to .40	.75 to 1.00	.50 to 1.00	.60 to 1.25
	CALLAS	.... to	.... to	.... to	.... to	.... to ....
	DAISIES	.... to	.... to	.... to	.... to	.... to ....
	GLADIOLUS	.75 to 1.50	3.00 to 6.00	2.00 to 4.00	.... to 3.00	2.00 to 3.00
	IRIS	.... to	.... to	.... to	.... to	.... to ....
	LILIES	1.00 to 4.00	2.00 to 2.50	3.00 to 5.00	.... to	4.00 to 12.00
	LILY OF THE VALLEY	1.50 to 2.00	.... to	2.00 to 4.00	.... to	3.00 to 4.00
	MIGNONETTE—ordinary	.25 to 1.00	.50 to 1.00	.... to	.... to	.... to ....
	" fancy	.... to	.... to	.... to	.... to	.... to ....
	PÆONIES	.... to	.... to	.... to	.... to	.... to ....
	SMILAX	6.00 to 10.00	.... to 10.00	10.00 to 15.00	12.00 to 20.00	12.00 to 15.00
	SWEET PEAS	.10 to .25	.10 to .20	.... to	.... to	.35 to .40
	TUBEROSES	3.00 to 4.00	.... to	3.00 to 4.00	.... to	.... to ....

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

BOSTON, MASS.
Asparagus Plumosus, Mignonetta, Pink Pond Lilies, Brides, 'Maids, American Beauties
WELCH BROS.
PROPRIETORS
CITY HALL CUT FLOWER MARKET,
15 PROVINCE ST. — 9 CHAPMAN PL.
Kaiserins, Meteors, Carnots, Orchids, Valley, Carnations
Can furnish at short notice. Price according to quality of goods. Long Distance Telephone, 2161 and 2071.

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We have a fine grade of everything in market at present. Send us a Trial Order and we will do the rest.
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THE NEW YORK CUT FLOWER CO.
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CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

Carnations Roses
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GEORGE SALTFORD
Makes a Specialty of
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Send Your Consignments. Tel. 1304 Madison Sq.

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Receiving Extra Quality Am. Beauties, and all other varieties of Roses.
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Fine VALLEY in stock at all times.

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Greenhouses at Hinsdale, Ill.
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Wholesale Commission Jobbers
In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work.
45, 47, 49 WABASH AVENUE, - - CHICAGO, ILL.

...Wholesale Prices of Cut Flowers...

	Names and Varieties	Chicago Aug. 15, '00	St. Louis Aug. 13 '00	Cincinnati Aug. 14, '00	Milwaukee Aug. 13 '00	Pittsburg Aug. 14, '00	Toronto Aug. 8, '00
Roses	A. BEAUTY, fancy—special.	18.00—20.00	....—	....—	15.00—20.00	20.00—25.00	....— ....
	" extra	12.00—15.00	....—	....—	10.00—12.50	10.00—15.00	....—20.00
	" No. 1	8.00—10.00	4.00— 8.00	4.00— 6.00	6.00— 8.00	5.00— 8.00	....—10.00
	" Culls & ordinary	2.00— 3.00	....—	....— 5.00	2.00— 4.00	2.00— 4.00	....— 5.00
	Bride, Maid, fancy-spec'l	....—	2.00— 3.00	3.00— 4.00	4.00— 5.00	....—	....— ....
	" extra	3.00— 5.00	2.00— 3.00	....—	3.00— 4.00	....— 6.00	1.00— 6.00
	" No. 1	2.00— 4.00	2.00— 3.00	....—	....— 2.00	....— 4.00	1.00— 6.00
	" No. 2	....— 1.00	....— 1.00	....—	....— 1.00	....— 2.00	1.00— 4.00
	K. A. Victoria	2.00— 5.00	....—	....—	4.00— 6.00	3.00— 6.00	....— ....
	La France	....—	....—	....—	....—	....—	....— ....
	Meteor	2.00— 4.00	2.00— 3.00	2.00— 4.00	4.00— 6.00	2.00— 6.00	1.00— 6.00
	Papa Gontier	....—	....—	....—	....—	....—	....— ....
	Perle	2.00— 3.00	....— 2.00	....—	3.00— 4.00	2.00— 4.00	1.00— 3.00
	Souv. de Wootton	....—	....—	....—	....—	....—	1.00— 6.00
	ORCHIDS—Cattleyas	....—	....—	....—	....—	....—	....— ....
	Cypripediums	....—	....—	....—	....—	....—	....— ....
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	Inf'r grades, all colors.	.40— .50	.50— .75	....— .50	....— 1.00	....—	....— .50
	STANDARD VARIETIES: White	.75— 1.00	....— 1.00	.50— 1.00	....— 1.00	....— 1.00	....— 1.25
	STANDARD VARIETIES: Pink	.75— 1.50	....— 1.00	.50— 1.00	....— 1.00	.50— 1.00	....— 1.25
	STANDARD VARIETIES: Red	.75— 1.50	....— 1.00	....— .50	....— 1.00	.50— 1.00	....— 1.25
	STANDARD VARIETIES: Yel.&Var.	.75— 1.00	....— 1.00	....—	....— 1.00	....—	....— 1.25
	*FANCY— White (*The highest grades of standard var)	....—	....—	....—	1.50— 2.00	1.00— 1.50	....— ....
	*FANCY— Pink	....—	....—	....—	1.50— 2.00	1.00— 1.50	....— ....
	*FANCY— Red	....—	....—	....—	1.50— 2.00	....— 1.00	....— ....
	*FANCY— Yel.&Var.	....—	....—	....—	1.50— 2.00	....—	....— ....
	NOVELTIES	....—	....—	....—	....—	....—	....— ....
	ADIANTUM	.40— .75	....—	....— 1.00	.75— 1.00	.75— 1.00	....— .50
	ASPARAGUS	40.00—50.00	....—	....—	....— 2.00	....—40.00	12.00—50.00
	ASTERS	.15— 1.50	.75— 1.00	1.00— 1.50	.50— 1.00	.50— 2.00	.50— 2.00
	CALLAS	....—	....—	....—	....—	....—	....— ....
	DAISIES	.10— .15	....—	.50— .75	....— .50	....—	....— ....
	GLADIOLUS	1.00— 3.00	....—	....—	2.00— 3.00	1.00— 3.00	1.50— 4.00
	IRIS	....—	....—	....—	....—	....—	....— ....
	LILIES	4.00— 8.00	....—	....—	....— 5.00	1.00— 8.00	5.00— 7.00
	LILY OF THE VALLEY	3.00— 4.00	....—	....—	....—	2.00— 4.00	....— ....
	MIGNONETTE—ordinary	....—	....—	....—	....—	....—	....— ....
	" fancy	....—	....—	....—	....—	....—	....— ....
	PÆONIES	....—	....—	....—	....—	....—	....— ....
	SMILAX	8.00—10.00	10.00—12.50	....—15.00	12.50—15.00	12.50—15.00	....— ....
	SWEET PEAS	.10— .20	....—	....— .25	.10— .15	.10— .25	.10— .30
	TUBEROSES	4.00— 6.00	3.00— 5.00	3.00— 5.00	....—	....—	....— ....

H. G. BERNING,
Wholesale Florist
1322 Pine Street,
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The Annual Sale of Stalls in the Boston Flower Market will take place at the Market, Park Street, Saturday, Sept. 15, 1900, at 9 a.m.
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Is used for lifting plants out of jardinieres, also for hanging up plants for decorations on walls, etc. Will sustain a weight of 100 lbs.

No. 1 will fit from 2 to 5-inch pots, per doz. 30c.; No. 2 will fit from 5 to 8 in. pots, per doz. 40c.; No. 3 will fit from 9 to 12-in. pots, per doz. 50c. Postage, 10 cents extra per dozen; sample pair 10 cents, postpaid.

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This Stand is adjustable and folding (see cut), and can be raised from 24 to 40 inches.

The top of Stand is furnished with an indurated fibre saucer, and plants can be securely lifted at an angle by means of a curved rest laid under the flower pot, this is particularly handy when plants are used in decorations, etc.

The Stand can be erected and folded in a moment, and when folded quite a number can be packed together, taking comparatively little space in wagon, leaving a greater amount of room for plants, etc.

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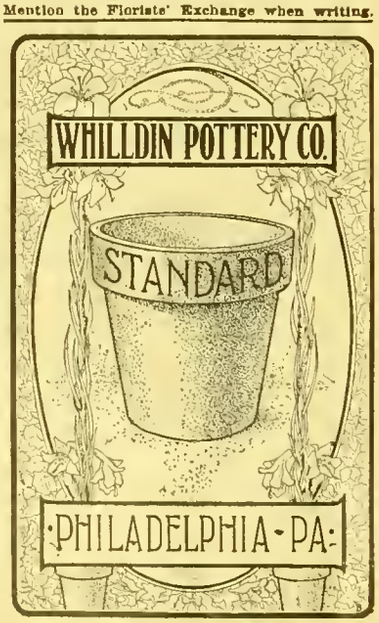

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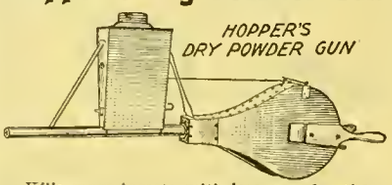

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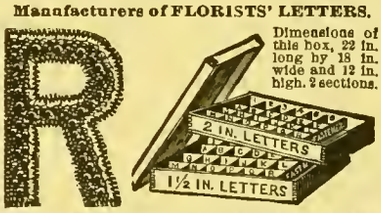

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1500 2½ " "	6.00	48 9 " "	3.60
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Best Fertilizer for Top Dressing.
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Grand Rapids.

Cooling Showers.

The weather continued unbearably hot until Saturday night, when we were treated to a heavy rain and decidedly cooler weather. Carnation are in fine condition for benching, and are being hurried in, so as to get the start of another hot spell. The last continued for eight days The thermometer was as high as 103 in the shade, and from 115 to 135 degrees inside, making it almost impossible to stand inside work, except a little while at a time.

Business but for a few straggling funeral orders would be dead as a door nail. As to prices, any old figure almost is the rule, the demand being so light. It is really a good thing business is dead, as there is very little to supply it with, and then the quality is off at that.

Wencil Cukersky, superintendent of parks, has recovered from his severe illness, and is again attending to business.

G. F. C.

Charleston, Mass.

J. S. Gravelle, manager for Howard, the florist, has returned from a month's trip through the larger cities of the East.

Boston.

Interest in Convention Great.

There is little to interest anybody in regard to business hereabouts now; but many are interested in the Convention next week, and are fixing up affairs so as to be able to attend.

Stock is in plentiful supply to meet all the demand there is for it. Beauty, Kaiserin, and Carnot are about the only good roses arriving, though Bride and Bridesmaid are improving steadily. Carnations are still a little scarce, but the call for them is light. Asters continue plentiful, and the great bulk of them move rather slowly, though, of course, quantities are disposed of. Then there are lilies, gladiolus, etc., which are used principally in funeral work; and sunflowers, rudbeckias, etc., found useful in window decorations.

Jottings.

The two 700-foot rose houses, erected this Summer at the Wabun Rose Conservatories, have been planted to American Beauty and Liberty entirely, and present a handsome sight. The 300-foot houses at this place, which were considered long at the time of their building, are now made to appear small by the addition of these latest two monsters.

The well-known Hayes Estate, at Exeter, N. H., is to be sold at auction on Wednesday, September 5 next. This estate is well known to Boston florists, as many Beauty, Meteor and Jacqueminot roses have been shipped from there to the Boston market in past years. The estate comprises about fifty acres, and contains six fine greenhouses.

Welch Bros. have just finished repainting and renovating the interior of their store, and are in readiness for the Fall trade.

Massachusetts Horticultural Society.

The only prizes offered for flowers Saturday at Horticultural Hall were for montbretias and perennial phloxes. None of the former were shown for premiums. George Hollis, T. C. Thurlow and Rea Bros., however, made very good displays of phloxes. Gladioli were shown by J. W. Clark and E. J. Shaylor; asters by Norris F. Comley and F. O. Willard, and delphiniums by Rea Bros. W. J. Clemson, E. C. Lewis, Mrs. E. M. Gill, Mrs. G. Duncan and R. P. Struthers made exhibits of various seasonable flowers, and H. A. Wheeler showed a nice lot of orchids; and C. W. Hoitt, Lilium Henryi, receiving honorable mention. The Blue Hill Nursery sent in a collection of herbaceous plants. Edwin Whitin had a very good plant of Cattleya Hardyana var. Robbiana, and W. J. Clemson showed one of Oncidium crispum. R. H. Kidder staged a specimen of Ananassa sativa.

Saturday, August 18, the annual exhibition of aquatic plants and flowers, asters, etc., will be held.—F. J. N.

Cincinnati.

Trade News.

Very little can be said regarding business this week. We are now passing through one of the hottest spells we have had this Summer; the thermometer has been ranging in the nineties all week, and no relief is in sight yet.

Club Outing.

On Thursday afternoon, August 9, the Cincinnati Florists' Society held its regular monthly meeting at "the House in the Woods," the residence of Mr. and Mrs. J. A. Peterson. The hospitality of the Petersons being so well known, it is needless to say that a large crowd was present. After cooling the inner man and holding a short business session, a trip to the greenhouses was proposed, and while it was a good deal like taking a Turkish bath, it was well worth the effort. Adiantum Farleyense is Mr. Peterson's specialty, and his stock of this fern is very fine. He also has a fine lot of dracænas. The houses of roses never looked better, other stock looking equally well. After making a tour of the houses, the party was invited back to the lawn, where a sumptuous repast was spread. After a vote of thanks to the genial host and hostess the company dispersed.

The next, and so far as I know, the last, outdoor meeting of the society for this season will be held at the residence of Mr. and Mrs. Julius Schuman, at Newport, Ky., Thursday, September 6, at 2:30 p. m.

All are invited, and more especially the ladies.

Death of a West Virginia Florist.

I have just learned of the death of J. R. Shaver, of Charleston, W. Va. He dropped dead on Friday afternoon last.

E. G. G.



Florists' Convention

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Description of pot, showing method of supplying water.



PATENTED.

A, indicates the pot; B, a reservoir for water; E, section of pot showing earth line and perforations or water passages F F F below. G, full size section, showing groove, with cord siphon. Several pots may be arranged around one reservoir, each connected therewith by a cord, through or over which the water is conducted by a pillary attraction.

Price, boxed, f. o. b., Pot and Siphon Cord complete, 50 cts. each; $5.00 per dozen.

Indorsed by leading florists and the trade generally. Send for full descriptive circular.

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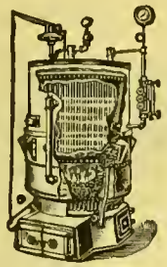

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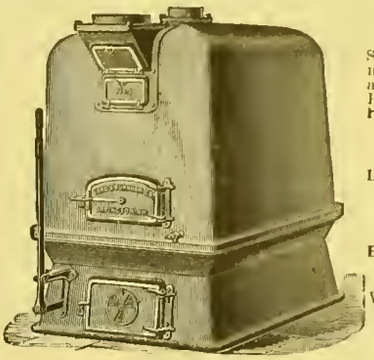

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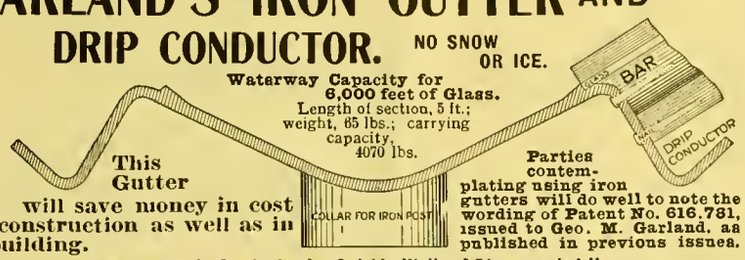

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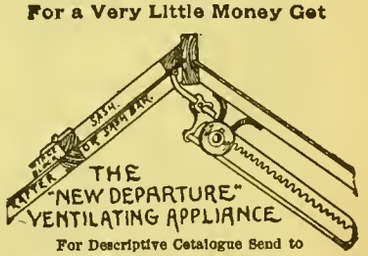

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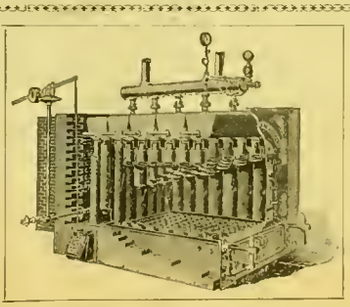

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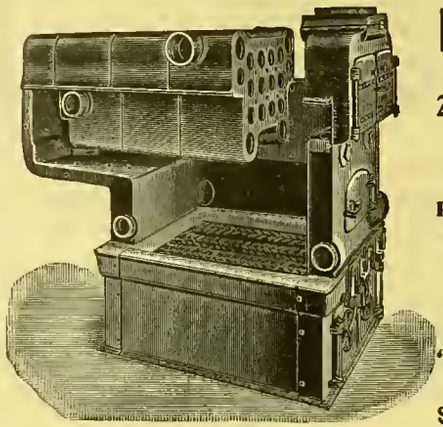

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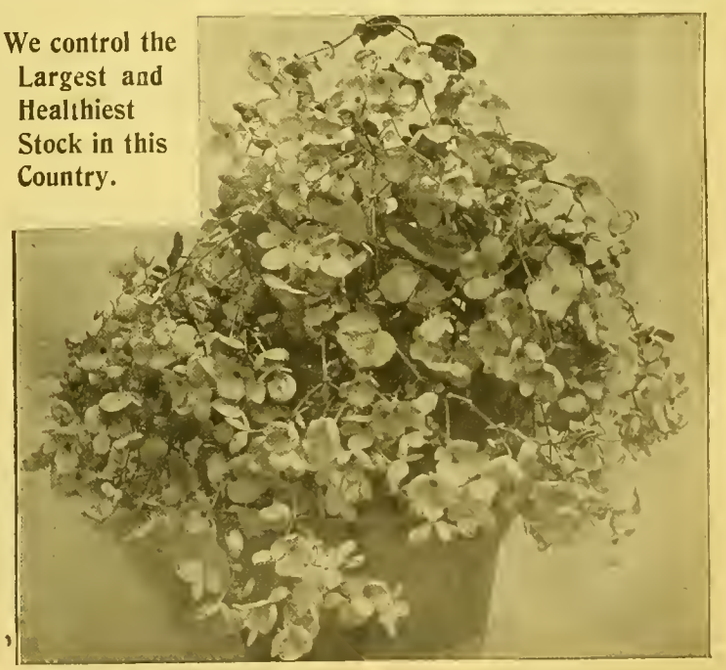

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" " 6 to 8	3 50	30 00

	100	1000
Lilium Longiflorum, 7 to 9	$6 00	$50 00
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Lilium Longiflorum, Bermuda, 5 to 7	5 00	
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Grand Monarque, white, yellow cup	35	1 75
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Grand Primo, white	35	1 75
Staten General, lemon color	35	1 75
Fine Mixed, all colors, $9.50 per 1000	25	1 25

DOUBLE DAFFODILS.

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Incomparable, double light yellow	90	7 50

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Von Sion (double yellow Daffodil), Dutch grown, selected stock	$1 50	$12 00
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Large Single Campernelle, yellow, French grown	75	4 50
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Bulbocodium (Hoop Petticoat), excellent for pot culture	5 50	
Bicolor Horsefieldi, white, with golden trumpet	4 00	35 00

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Bicolor Empress, similar to Horsefieldi, but larger and later	$8 00	
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Pallidus Præcox, one of the most beautiful of the early trumpets	3 50	
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FRESH SMILAX SEED, per oz., 25c.; per lb., $2.50. **ALLEGHENY DOUBLE FRINGED HOLLYHOCK,** our Floracroft Strain, trade pkt., 25c.; ¼ oz. pkt., 50c.; per oz., $1.50. **CINERARIA,** James' Giant Strain, per pkt., 25c.; ½ trade pkt., 60c.; trade pkt., $1.00. **CALCEOLARIA,** James' Giant Strain, per pkt., 25c.; trade pkt., 60c. We are ready to book orders for **White Romans, Freesias, Callas, Paper White Narcissus, Etc.**

JOHNSON & STOKES, Seedsmen, 217 & 219 Market St., PHILA., PA.
Mention the Florists' Exchange when writing.

CALLA BULBS

8 inch circumference.....per 100, $8.00
6 " " .....per 100, 6.00
4 " " .....per 100, 4.00
Sets, 25 cts.; 100 by mail 10 cts. extra.
Cash with Order.

J. BOLL, Jamaica, N. Y.
Mention the Florists' Exchange when writing.

Special Consignment Sale
L. HARRISII
5-7, fine healthy-looking bulbs, per 1000, $35.00. Not less than original packages of 400 bulbs at this price.
NET, SPOT CASH.
HULSEBOSCH BROS., Englewood, N. J.
Mention the Florists' Exchange when writing.

LILIUM HARRISII
Early Roman Hyacinths Special Prices on Application.
Sure Crop MUSHROOM SPAWN, New Crop, $8.00 per 100 lbs.
WEEBER & DON, SEED MERCHANTS AND GROWERS,
114 Chambers St., NEW YORK CITY.
Mention the Florists' Exchange when writing

CALIFORNIA-GROWN BULBS
Send for our Special Trade List. Address
California Nursery Company, Niles, Calif.
Mention the Florists' Exchange when writing.

BURPEE'S SEEDS
PHILADELPHIA
WHOLESALE PRICE LIST FOR FLORISTS AND MARKET GARDENERS
Mention the Florists' Exchange when writing.

IMPORTANT
Before ordering any goods anywhere send in **your list of wants** for lowest **GUARANTEED** prices.
F. W. O. SCHMITZ, Jersey City, N. J.
Mention the Florists' Exchange when writing

ESTABLISHED 1802
THORBURN'S SEEDS
We have still left some fresh seeds of the following PALMS in fine condition:
KENTIA FORSTERIANA
per 1000, $4.00; 5000 to 10,000, $3.50; 10,000 and over, $3.00.
—ALSO—
CYCAS REVOLUTA STEMS
in assorted sizes, 3 lbs. to 12 lbs., $8 per 100 lbs., while unsold.
J. M. THORBURN & CO.
Late of 15 John Street
36 CORTLANDT STREET, NEW YORK
Mention the Florists' Exchange when writing.

ASTER COSMOS PANSY SALVIA ZINNIA
BEANS CLOVER GRASS ONIONS TURNIP

SEED TRADE REPORT

Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Cincinnati, O., President; F. W. BOLOIANO, First Vice-President; S. G. COURTEEN, Milwaukee, Wis., Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

European Notes.

The atmospheric conditions now prevailing are decidedly favorable to our root crops, and the sale of crimson clover has been materially checked. As this is a seed that quickly loses color it will no doubt be pushed as much as possible, even if it involve, as it must do, a heavy loss.

Mustard, both from home consumption and for export, is in brisk demand, and as the hot wave materially reduced the crop, growers who in April anticipated a big decline in value, now hold firmly for a rise. Both the brown and white varieties are affected.

The finer weather of the past week has enabled growers to thresh out Rape grown on early land, and the results are so very disappointing that a very stiff rise in price has been the result. The heavy demands from your side for this article have entirely revolutionized the European trade.

EUROPEAN SEEDS.

Germany imported seeds from the United States, in June, 1900, to the value of $29,934, against $42,901 in June, 1899. Other European countries received shipments to the value of $1,210 in June, 1900, against $4,730 in the corresponding month of 1899.

OBITUARY.

John Laing.

John Laing, of the firm of John Laing & Sons, Forest Hill, London, England, died at his home August 8 in the seventy-seventh year of his age. The deceased took a foremost place among the nurserymen and hybridists of England. In early life he was a deep student of botany, having had a most remarkable collection of mosses.



JOHN LAING.

Mr. Laing was a Scotchman and was for a period a partner in the firm of Downie, Laird & Laing, of Edinburgh. Subsequently he represented the firm in London, but for many years past had been head of the firm that bears his name, given above. He did excellent service in the hybridizing of florists' flowers, such as penstemon, clivia, streptocarpus, gloxinia, and the like, while his work with the tuberous begonia fairly revolutionized that genus. He took a most active interest in all affairs connected with horticulture, and his genial character endeared him to all with whom he came in contact. He had partially retired from business, owing to declining health.

Mr. Laing was well known on this side the Atlantic, and his personal acquaintances here will join with us in extending sympathy to the bereaved family.

C. C. Bowen.

Charles Clark Bowen, Detroit, died at his home in that city, August 9 last. The physicians ascribed his death to angina pectoris. Deceased was born in Yates, Orleans County, N. Y., September 8, 1831. Leaving the Rochester University he went to Green Bay, Mich., and engaged in a general merchandise business. Later he traveled for a Rochester seed firm, and subsequently became, in 1877, a partner in the firm of D. M. Ferry & Co., seedsmen, Detroit. Next to Mr. Ferry, Mr. Bowen has been the principal stockholder and worker in the great seed firm, which has built up such an enormous business and reputation all over the world. With H. Kirke White they worked together, the three men supplementing each other admirably.

Until a year ago Mr. Bowen was vice-president of the Standard Life and Accident Co., and he was one of the heaviest stockholders in that concern, but he was obliged to resign from the board because of ill-health.

With Mr. Ferry and others, he built the Saute Fe, Phœnix & Prescott railroad, and he was the treasurer of that successful road, of 200 miles, up to the time of his death.

His son, Lem. W. Bowen, is also connected with the same house.

In his private life, deceased was known as a man of kindly heart and wide sympathies. He was one of the managers of Kalamazoo College, and one of the trustees of Chicago University.

Mrs. Mary Beck Rossbach.

Mrs. Mary Beck Rossbach, 51 years old, wife of John Rossbach, a florist of Bloomfield, died at her home, 118 Maolis avenue, Glen Ridge, shortly before midnight, on Saturday, 11th instant, from a complication of diseases.

Pansy Seeds Fresh crop, Vantier's mammoth; it is the best strain in every respect; 120 varieties, colors, and markings mixed; flowers are often up to 4 inches in diameter and smell like violets; 3000 seeds, $1.00; 1 oz., $4.00.
Shellroad Greenhouses, Grange P. O., Balt., Md.

XXX PANSY SEED
If you want the finest large and fragrant Pansy flowers, try **Woodbury's Noted Seeds.**
SEVEN PKTS. (700 seeds), FINE ASSORTED, 50c.
Finest German and Giant Flowered French strains, blended or either separate, 2000 seeds, **50c.**; ¼ oz., **$1.00**; oz., **$4.00.** List free.
DAVID B. WOODBURY, South Paris, Maine
Pansy Specialist.

ZIRNGIEBEL
GIANT MARKET and **FANCY PANSIES** are the Leading Strains to date for size and color.
Trade packages of either strain at **one dollar each.** Full directions with every order; new crop of seed after July 1st.
DENYS ZIRNGIEBEL, Needham, Mass

PANSIES
From Seed Bed, $3.50 per 1000.
A Good assortment of **Hardy Plants** in Spring and Fall, such as Coreopsis, Veronica, Iris, Funkia, Lemon Lily, Aster, Phlox, Helenium A. Superbum, Lychnis, Larkspur, Digitalis, Antirrhinum, Myosotis, Mist and other hardy stock. Cash with order, please.
W. C. JENNISON, Natick, Mass.

SILVER PALM SEED
(THRINAX ARGENTEA.)
Florida Grown Crop, 1900. A beautiful slow-growing fan palm, with leaves silvery on under side.
100 seeds, postpaid....$0.50 1000 seeds, postpaid..$3.50
5000 seeds, postpaid, $2.50 per 1000; sample doz., 10c.
A. L. HATCH, Rockledge, Florida.
Mention the Florists' Exchange when writing.

ROSES!
Roses on their own roots, also budded. 40,000 roses in pots. Send for price list.
Ampelopsis Veitchii, in large quantities. Field grown.
Clematis Paniculata, two and three years old. Largest stock in the United States.
Yellow, White and Crimson Ramblers.
Honeysuckles and **Clematis Paniculata,** in pots.
Fifteen varieties of **Phlox,** field-grown.
Herbaceous Plants, in large quantities.
PRICE LIST ON APPLICATION.
ELIZABETH NURSERY COMPANY,
ELIZABETH, N. J.
Mention the Florists' Exchange when writing.

SCHMIDT'S PANSIES
HAVE NO EQUAL.
New crop now ready; no matter what you pay, you cannot get a better strain; ¼ oz., $1.25; ½ oz., $2.00; oz., $4.00.
J. C. SCHMIDT, Bristol, Pa.
Mention the Florists' Exchange when writing.

VAUTIER'S MAMMOTH PANSY
New crop seed now ready. This is the largest and finest Pansy ever offered. We have testimonials from florists from all parts of the U. S praising its size and merits. Trade packet, $1.00; oz., $4.00.
H. G. FAUST, 64 and 66 N. Front St., **Philadelphia, Pa.**
Mention the Florists' Exchange when writing.

Pansies Worth Raising
Seed, ⅛ oz., $1.00; 1 oz., $4.00
Nice Stocky Plants, 500 for $2.50; 1000 for $4.00
Per express at buyer's expense. Cash with order.
CHR. SOLTAU, 199 Grant Avenue, **Jersey City, N. J.**
Mention the Florists' Exchange when writing.

Roemer's Superb Prize
PANSIES
Seed exhausted. Plants ready September 15.
These are the prices: Per 100 plants, 65 cents; 250 plants, $1.50; 500 plants, $2.25, **free by mail.**
By express, $7.00 per 2000 plants; $10.00 per 3000 plants. Cash with order.
PETER BROWN, Lancaster, Pa.
Grower of extra fine Pansies.
Plants Ready September 15th.
Mention the Florists' Exchange when writing.

PANSIES
The Jennings Strain
Of large flowered show and fancy Pansy Seed. New crop now ready. My 1900 Strain cannot be excelled, and is sure to give the highest satisfaction.
Finest Mixed, pkt., $1.00; ½ oz., $2.50; 1 oz., $5. **Yellow, White, Blue and Black,** in separate colors, 50c. per pkt., postpaid. **Small Pansies,** 60c. per 100, by mail.
Cash with order.
E. B. JENNINGS, Lock Box, 254, **Southport, Conn**
Grower of the finest Pansies.

HERR'S PANSIES
ALWAYS THE BEST and better every year.
They sell themselves. Try a hundred as an experiment.
Plants only, and ready October 1st to January 1st. Free by mail, 75c. per 100; 250 for $1.50; 500 for $2.50.
By Express, at your expense, $4.00 per 1000.
ALBERT M. HERR, Lancaster, Pa.
Mention the Florists' Exchange when writing.

STRAWBERRIES Pot-grown, immediate delivery. Prices upon application

EVERGREENS For August planting, in fine assortment.

MANETTI For grafting for December delivery.

HARDY NURSERY STOCK Of selected quality.

ROSES For forcing.

Correspondence a Pleasure.

HIRAM T. JONES, Union County Nurseries, **Elizabeth, N. J.**

Mention the Florists' Exchange when writing.

CELERY All leading varieties, extra stocky plants, at $1.00 per 1000. **Cabbage Plants,** 5 varieties, fine plants, $1.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing

ENGLISH IVY!

Strong plants, tops 15 inches and over, from deep 3 inch pots, $5.00 per 100.

THOMAS MEEHAN & SONS, Nurserymen

Germantown, PHILA., PA.

Mention the Florists' Exchange when writing.

Send for our price list. We have a fine stock for Fall delivery of

FIELD-GROWN ROSES

CLEMATIS, two-years-old, strong.
FLOWERING SHRUBS fine assortment.
ORNAMENTAL TREES. CONIFERS.

To avoid disappointment, order now a supply of

ROSE STOCKS FOR GRAFTING

(Prices, delivered in this country).

Rosa Manetti .....$12.00 per 1000
Rosa Polyantha..... 8.00 per 1000
Rosa Laxa (Froebeli).. 8.50 per 1000

The stocks most largely used by European growers for grafting Tea Roses.

Our representative, Mr. J. Austin Shaw, will be at the Convention, and will be pleased to quote prices upon any wants in our line.

JACKSON & PERKINS CO., Newark, New York

Mention the Florists' Exchange when writing.

CELERY and CABBAGE

CELERY Pink Plume and New Rose (extra strong), Boston Market, Giant Pascal, White Plume and other varieties, 15 cts. per 100; $1.00 per 1000; $8.50 per 10,000.

CABBAGE H. Succession, Second Early, Premium Flat Dutch, Late Drumhead, Dromhead Savoy, and other vars., 15 cts. per 100; $1.00 per 1000; $8.50 per 10,000.

KALE Dwarf Green Curled Scotch, same price as Cabbage.

If any of the above plants by mail, add 10 cts. per 100. Cash with order.

R. VINCENT, JR., & SON, White Marsh, Md.

Mention the Florists' Exchange when writing

AMERICAN TREE SEEDS.

Our Descriptive Catalog of seeds of Conifers, Palms, Trees, Shrubs, Perennials, is just out. Write for it now and secure the discount given the trade on advance orders.

DIRECTIONS—"How to make Tree Seeds Grow" free with every order.

PINEHURST NURSERIES, Otto Katzenstein, Mgr., PINEHURST, N. C.

Mention the Florists' Exchange when writing

SURPLUS FOR SPRING 1900

Can yet do PEACHES and JAPAN PLUMS in limited quantity; also MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY STRAWBERRIES from best leading varieties.

Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.

ALEX. PULLEN, PROPRIETOR.

Mention the Florists' Exchange when writing

ANDORRA NURSERIES

WILLIAM WARNER HARPER, Prop., Chestnut Hill, Philadelphia, Pa.

SPECIALTIES: Large Specimen Ornamental Trees. Large Hardy Rhododendrons and Azaleas.

Mention the Florists' Exchange when writing

F. & F. NURSERIES SPRINGFIELD, NEW JERSEY.

Wholesale Growers. TREES AND PLANTS in full assortment. Trade Catalogue Free.

THE STORRS & HARRISON CO., Painesville, Ohio.

Desire to call the attention of Florists and Nurserymen to their 40 acres of HARDY ROSES, their complete assortment of FRUIT and ORNAMENTAL TREES and SHRUBS, and their 44 Greenhouses of ROSES, PALMS, FICUS, FERNS, ETC.

Correspondence and personal inspection solicited. Trade List and Catalogues free

TREES Fruit Trees, Small Fruits, including grapes, Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. **Rochester, N. Y.**

Mention the Florists' Exchange when writing.

ROOT PRUNED EVERGREENS

For Autumn Planting. Finely Rooted.

5000 NORWAY SPRUCE, 3½ to 5 feet.

5000 HEMLOCK SPRUCE, 3 feet and over, very bushy, compact and fine.

25,000 RETINOSPORAS in variety, from 1 to 6 feet.

COLORADO BLUE and ORIENTAL SPRUCE PINES and ARBOR-VITAEAS in Great Variety.

In good condition for transplanting, either in **Lawns, Parks** or **Cemeteries. Large Specimens,** for immediate effect.

SMALL EVERGREENS and EVERGREEN SHRUBS For **Window Boxes** a Specialty.

The **Success** with which our root pruned **Evergreens** have been moved is proverbial. **Failures** seldom occur. A personal inspection is invited.

THE WM. H. MOON CO., Morrisville, Pa.

60 miles from New York City.
30 miles from Philadelphia.

And 702 Stephen Girard Bldg., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

Kansas City, Mo.

With the thermometer registering 95 degrees, the inactivity in the flower market is easily accounted for.

The Convention is the principal topic, and we learn that Mr. G. M. Kellogg and wife will take the Chicago special to the New York Convention, and will then visit Mr. Kellogg's early home in Westfield, Mass.

Mr. Arthur Newell, wife and family, go direct to Mackinac, Mich., where Mrs. Newell will visit, while Mr. Newell takes in the Convention.

Miss Mary Hayden has returned from a visit to her home in Elroy, Wis.

Miss Kellogg has gone to Denver for a few weeks.

Several well-built rosehouses, aggregating 50,000 square feet, have been added to G. M. Kellogg's range at Pleasant Hill, Mo.

Robt. Jarrett, a veteran florist of this city, has retired from business, and has sold his stock to a younger man.

Samuel Murray has been treating his friends to some delicious pot-grown grapes of the black Hamburg and Muscat of Alexandria varieties.

A house of Asparagus Sprengeri, in 8 and 10-inch pots, shows how Mr. Murray rates this useful plant.

The modern conservatory, on the grounds of A. R. Meyers, is well under way and James Payne, gardener for Mr. Meyers, will have further scope for his recognized ability. D.

Columbus, O.

On the 1st of August Franklin Park passed under new management. Heretofore Mr. Reese was superintendent, while Albert Knopf, manager of the Franklin Park Floral Co., has had charge of the planting. The attractive feature in bedding this season is a calendar. The letters are made of alternanthera, bordered by echeverias. James Underwood, the new manager, will direct the whole park.

F. K. Linke spent his vacation in St. Louis visiting the Missouri Botanical Garden.

The Franklin Park Floral Co. has made decided improvements. A show room, as well as a storeroom, have been added, while the coldroom for cut flowers has been rearranged and improved.

Misses Nellie Charles and Anne Long recently dropped in on some of the florists of Dayton. FRITZ.

RHODODENDRONS

Native Rhododendrons; well furnished plants, all sizes. Prices on application.

A. E. WOHLERT, Altoona, Pa.

Mention the Florists' Exchange when writing

Yucca Filamentosa

Fine, large plants, $10.00 per 100.

SAMUEL C. MOON, Morrisville, Pa.

BUCKS CO.

Mention the Florists' Exchange when writing

FRUIT and ORNAMENTAL TREES, Shrubs, Vines and Roses

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., Geneva, N. Y.

P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM,
PÆONIES, BLEEDING HEART,
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing.

Springfield, Mass.

J. W. Adams is expecting to attend th National Congress of Agriculture.

C. F. Fairfield is summering at Block Island. Other members of the craft are "at home," making ready for the Winter.

The Hampden County Horticultural Society's Sweet Pea Show was not as large this season as formerly, but what flowers were shown were of excellent quality. The Eckford Silver Cup went to W. J. Eldred, of this city, for the second time, thus becoming his property. There was quite an interest in this all through the season, but when it came to staging the flowers, Mr. Eldred was the only grower who exhibited the complete set. His blooms were far better than he was able to show last year. Mr. Eldred also entered in most of the other classes, and secured quite a number of premiums.

Mrs. H. A. Jones, of Worcester, Mass., was an extensive exhibitor. She took 12 first prizes, besides several others.

D. William Brainard, of Thompsonville, Conn., was awarded first for "any variety," with Sensation.

Representative L. D. Robinson's time at the Statehouse has not prevented him from growing sweet peas; much of the work has been done by his son. They made a fine display. They have cut several thousand blooms a day, for all that others have had so poor luck.

O. H. Dickinson, manager of the B. L. Bragg Co., the Agricultural Store, also made a good exhibit.

The water lilies and lotus from Park Commissioner Barney were extremely fine; hundreds of blooms filled several tanks, and attracted much attention.

Mrs. W. J. Eldred, of West Springfield, has given much attention to nasturtiums; her exhibit contained every known variety.

The next flower show with us will be the National Dahlia Show, under the auspices of the Amateur Horticultural Society; this comes in September.—G.

BRIEFS FOR BUSY FLORISTS.

BOUVARDIAS that are planted out-doors may be lifted now and transferred to the benches where they are to flower. They wilt very easily, but if proper care be taken, they can be moved without losing a leaf, almost. See that the soil about them is well moistened the night before lifting. Plant them direct on the bench after taking them out of the ground, instead of letting them lay around long enough to wilt. When in the bench, give a thorough soaking at the roots. Syringe the foliage and then shade them rather heavily, keeping the house rather close also; especially if there is much wind stirring. The shading should be either cheesecloth or paper, and should be removed each day towards evening. A light syringing in the morning, and again later in the day, will be all the water needed. After the first three days, the shading material can be reduced by putting it on later and taking it off earlier, thus gradually it is dispensed with altogether.

THE BABY PRIMROSE, PRIMULA FORBESI is a pretty and useful plant, but the foliage is so very low-growing, that the subject never looks at its best when grown in deep pots. There always seems to be so much pot and so little plant in sight. This is easily obviated by growing the plants in pans. When they are ready for a shift from three-inch pots, put them right into pans, and, if large plants are desired, put them two or three together in a nine-inch or ten-inch pan, when they will make very effective pieces when in flower.

HELIOTROPE that has been out-doors all Summer is very strong and vigorous, and from this it is always advisable to procure the stock for next Spring sales; in fact, far better than depending upon the plants for cuttings, that are pot grown and kept for blooming inside.

Take a good batch of cuttings now, "or within a week or so," and root them in the ordinary way. As there is no heat under the cutting bench, care will be necessary as regards watering. Keep the sand just moist, and never have the leaves wet over night, or they will damp off.

ROSES.—As the nights begin to get cooler do not try to keep the houses closed to avoid mildew, as by doing so it comes much more quickly. Keep the ventilators open night as well as day and the foliage will become tough and leathery, and not be so liable to be attacked with mildew. Do not syringe late in the afternoon, as that would leave the foliage wet over night—a condition that must be avoided.

AMERICAN ROSES

Mention this Paper.

ON OWN ROOTS.

In the following varieties:—American Beauty, Anna Diesbach, Coquette des Alpes, General Jaqueminot, Jules Margottin, La France, La Reine, Mme. Geo. Bruant, Magna Charta, Mrs. John Laing, Paul Neyron, Prince Camille de Rohan, Victor Verdier.

All two-year, strong field-grown Plants. Delivery after September 15th. Samples will be shown at the Convention.

C. H. JOOSTEN, 85 Dey Street, New York.

FACTS WHICH SPEAK FOR THEMSELVES

RECORD MADE BY **The QUEEN OF EDGELY**

WINNER OF HIGHEST HONORS WHEREVER SHOWN.

Originated four years ago as a sport of American Beauty, at Nurseries of The Floral Exchange, Inc., Edgely, Pa.

MARCH 27, 1900, EXHIBITED FIRST TIME, ROSE SHOW, EDEN MUSEE, N. Y. CERTIFICATE OF MERIT.
APRIL 3, 1900, EXHIBITED BEFORE PHILA. FLORIST CLUB, and the Following Report was made by the Judges:

"We are convinced that this variety is a *valuable addition* to the list of *forcing roses*, being in every respect, *except color, the exact counterpart of the American Beauty*. The color is a *beautiful, bright pink*, which is good, even in the full flowers. The *fragrance* is also as *fine as that of beauty*, and the exhibited blooms showed *remarkable vigor*.

(Signed) ROBERT KIFT, JOS. HEACOCK, WM. MUNRO.

APRIL 17, 1900, SILVER MEDAL AWARDED BY PENNA. HORTICULTURAL SOCIETY.
MAY 5, 1900, SILVER MEDAL AWARDED BY MASS. HORTICULTURAL SOCIETY.
MAY 9, 1900, SILVER MEDAL AWARDED BY THE AMERICAN INSTITUTE, N. Y.
AUG. 21, 1900, CERTIFICATE OF MERIT, N. Y. CONVENTION SOC. AMER. FLORISTS.

Plants ready for distribution, April, 1901. Send for Booklet to

Or ROBT. CRAIG & SONS, Eastern Agents,
49th and Market Streets, PHILADELPHIA,

Or E. G. HILL & CO., Western Agents,
RICHMOND, INDIANA.

THE FLORAL EXCHANGE, INC.
335 No. Sixth St. PHILADELPHIA, PA.

IF YOU NEED ROSES
Send us your list for prices.
THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.
Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS...
and Novelties in Decorative Plants.
Market and 49th Sts., PHILADELPHIA, PA.
Mention the Florists' Exchange when writing.

ROSE PLANTS
In varieties, from 2¼, 3 and 4 inch pots.
Write for prices.

	100
Lemon Verbena, 3 in. pots	$4 00
Sunsevlern Zeylanica, 3 in. pots	5.00
Asparagus Plumosus, 2½ in. pots	5 00
Asparagus Sprengeri, 2½ in. pots	4.00
Nephrolepis Cordata Compacta, 2½ in.	3.00
N. Cordata Compacta, 3 in. pots...per doz.,	6.00
Field-Grown, Scotch Hardy Pinks, at $3.50 per 100; $30.00 per 1000. 6 varieties.	

THE NATIONAL PLANT CO., Dayton, Ohio.
Mention the Florists' Exchange when writing.

3000 METEOR PLANTS
3½-INCH POTS.
Per 100, $3.00; per 1000, $25.00.
Big, strong, and in prime condition. Although the season is well advanced, with these plants there is a reasonable chance of success.
BRANT & NOE, Forest Glen, Chicago, Ill.
Mention the Florists' Exchange when writing.

ROSES

300 La France 500 Kaiserin 100 Gontier 200 'Maid 250 Bride 200 Golden Gate	4 inch, nice plants, $4.00 per 100.

CASH WITH ORDER.
A. A. WHITBRED, - Altoona, Pa.
Mention the Florists' Exchange when writing.

10,000
AMERICAN BEAUTY PLANTS
Fine stock, from 3 inch pots, $5 per 100; $40 per 1000.

	Per 100	1000		Per 100	1000
BRIDESMAID, 3 in. pots	$4.00	$35.00	GOLDEN GATE, 2½ in. pots	$4.00	$35.00
METEOR, 3 in. pots	4.00	35.00	KAISERIN, 3 in. pots	4.00	35.00

PETER REINBERG, 51 Wabash Ave., CHICAGO
Mention the Florists' Exchange when writing.

PHILADELPHIA ROSES STRICTLY FIRST-CLASS CLEAN STOCK.
100 4 Inch AMERICAN BEAUTIES.
500 3 Inch AMERICAN BEAUTIES.
BRIDES and 'MAIDS, 3 Inch.
MYERS & SAMTMAN, CHESTNUT HILL, Philadelphia, Pa.
Mention the Florists' Exchange when writing.

FIRST QUALITY FORCING ROSES
REDUCED PRICES TO CLOSE OUT.
Fully equal to those sent out the last eight years; first-class sod perfectly healthy in every respect. Only selected growth from flowering shoots used in propagating.
AM. BEAUTY, BRIDE, BRIDESMAID, MAID OF HONOR, METEOR, KAISERIN, SAFRANO, BON SILENE, PERLE. 3 in. pots, $5.00 per 100; 4 in. pots, $8.00 per 100.
GRAFTED ROSES MAID OF HONOR, GOLDEN GATE, 3½ inch pots, $15.00 per 100. LIBERTY, 4 in. pots, $8.00 per doz.; 50 plants, $24.00
Mention this paper. J. L. DILLON, Bloomsburg, Pa

ROSES

Perle	Sunset
K. A. Victoria	Souv. de Wootton

Strong cleso plants, from 3 in. pots, $7.00 per 100; $65.00 per 1000.

Brides	Golden Gate
Bridesmaid	La France
Bon Silene	Maid of Honor
Duchess of Albany	Mermet

Strong, cleso plants from 3 in. pots, $6.00 per 100; $55.00 per 1000.

LIBERTY 12 plants for.....$7 20
25 " " 12 50
50 " " 15 00
100 " " 28 00

CHRYSANTHEMUMS

Mrs. Harr, Silver Wedding, all fine varieties, strong plants, from 2¼ in. pots, $4.00 per 100.

Dorothy Devlus	Black Hawk
Elvena	J. H. Woodford
H. W. Longfellow	Iora
H. L. Sunderbruch	Mrs. H. Weeks
Miss Helen Wright	Maude Adams
Pitcher & Maudn	Belle of Castlewood
Pride	Helen Bloodgood
H. M. Giroud	Marguerite Graham
J. H. Troy	Minerva
Mrs. S. Humphreys	Riverside
Mme. F. Bergmann	T. B. Morse
	W. H. Lincoln

Strong plants, from 2¼ inch pots, $2.50 per 100; $20.00 per 1000, for our selection of above varieties.

SMILAX strong plants, from 2¼ in. pots, $2.50 per 100; $16.00 per 1000.

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.
Mention the Florists' Exchange when writing.

LAST SWEEP
2000 Bride and Bridesmaid,
In three inch pots, must go at 2 cents each.
CARL E. TAUBE,
Mercer Floral Co. TRENTON, N. J.
Mention the Florists' Exchange when writing.

ROSES

	2¼ inch Per 100	1000.	3 inch Per 100	1000
Brides	$3.00	$25.00	$5.00	$45.00
'Maids	3.00	25.00		
C. Soupert	3.00	25.00	5.00	45.00
Meteor	3.00	25.00	5.00	45.00
Am. Beauty			8.00	75.00

Mixed Jardiniere Ferns Mostly Pteris varieties, $3.00 per 100; $25.00 per 1000.
Asparagus Sprengeri 2½ in., $4.00 per 100; $35.00 per 1000.
Asparagus Plumosus 2½ in., $6.00 per 100; $55.00 per 1000.
Adiantum Farleyense Fine stock, 6 in. pots, at 50 cts. each.
Smilax 3 in., $4.00 per 100.
Dracaena Terminalis 4 in., $15.00 per 100.
Phoenix Canariensis Elegant stock, 4½ to 5 in., $20.00 per 100.
Chamaerops Excelsa 5 in., $25.00 per 100. 4 in., $20.00 per 100.

J. B. HEISS, The Exotic Nurseries, Dayton, Ohio.
Mention the Florists' Exchange when writing.

AMERICAN BEAUTY 4 in., selected, $15.00 per 100; LIBERTY 3½ in., $50.00; 4 in. $75.00 per 100; Maid and Bride, from GRAFTED plants. Perle, Sunset, Meteor, Morgan, Mermet, La France, Nipheros, Kaiserin, Golden Gate, Bon Silene, 3 in., $5.00 per 100; 3½ in., $7.00 per 100; 4 in., $8.00 per 100. Asparagus Plumosus. Maria Louise Violets, clean stock, from pots and soil, $2.50 and $3.00 per 100; $25.00 and $30.00 per 1000.
A. S. MAC BEAN, Lakewood, N. J.
Mention the Florists' Exchange when writing.

SOCIETY OF AMERICAN FLORISTS

Sixteenth Annual Convention

and Trade Exhibition at . . .

GRAND CENTRAL PALACE, NEW YORK,

AUGUST 21 to 24, 1900.

FIRST DAY'S PROCEEDINGS.

Tuesday Morning, August 21.

A real late Summer morning ushered in the advent of the sixteenth annual meeting of the Society of American Florists, and old Sol, who had hidden himself behind threatened rain clouds, smiled on one of the largest audiences that ever graced a convention hall in the history of the S. A. F., many of whom were ladies. No place of assembly ever looked grander than the Grand Central Palace, which, under the magic touch of the Hall Decoration Committee of the local club, Messrs. Nugent, Brower, Bogan, Le Moult, Bunyard, T. Lang, J. K. Allen and Sigmund Geller, was transformed into a perfect bower of beauty and loveliness.

Acting Mayor Guggenheimer, of New York city, was on hand punctually, and soon the conventionites were convened in the spacious and beautiful hall.

On the platform were the officers of the S. A. F., ex-Presidents Craig, Smith and Dean, President O'Mara of the New York Florists' Club, ex-Alderman Morris, Councilman Morgan and Edgar Sanders.

President O'Mara at 9.55 called the convention to order and introduced the acting Mayor in the following well chosen remarks:

Mr. Chairman, Ladies and Gentlemen:

A year ago the New York Florists' Club invited you to hold your annual convention in the city of New York. We promised you at that time that we would do our best to make it pleasant for you during your stay here, and would try to show you as good a horticultural exhibit as was capable of being produced here, that we would do everything possible for your comfort; and I desire to say the New York Florists' Club has, up to the present time, carried out their promises made you at that time.

We wish to say to you we welcome you heartily and trust during your stay with us you will enjoy yourselves and that when you return to your homes you will feel rejuvenated, as it were, and your interest in horticulture will be increased tenfold.

I am satisfied that the community of New York will be benefited by your presence, will be benefited by the exhibition which has been made here, will be benefited by everything in connection with the convention.

The chairman then introduced to the meeting acting Mayor Guggenheimer, of New York, who said in welcoming the Society of American Florists to the city:

The Address of Welcome.

Mr. President, ladies and gentlemen: This opportunity which has been given to me in my capacity as Acting Mayor of welcoming the members of the Society of American Florists and Ornamental Horticulturists to the city of New York affords me very great pleasure. Indeed, we have only one complaint to make against an association whose growth and prosperity have always been so closely identified with the Empire State. It is now twelve years since you held your annual meeting and exhibited in this metropolis the perfection of your horticulture and nature's wonderland of flowers. We trust, and in saying so I represent every class in this great community, that your next interval of absence will be materially shortened. The people of New York are proud of the city which you have this year selected for your meeting. In fact, we are never tired of reciting its praises. We are not unaware of the marvelousness of its growth and enterprise. To-day it is the gateway of the wealthiest, because the most productive, country in the world. In a few years it will be the greatest city upon earth in wealth, in area, and in population. That is our manifest destiny. We face the rising sun of promise and prosperity, and turn our backs upon nothing American. (Applause.)

But our great houses of trade, our public buildings and splendid residences—in fact, every home in our enlarged city—would be sordid and unlovely but for the touch of the landscape gardener in unexpected places and the unpainted loveliness of God's flowers, the sweetest things that breathe on earth, and yet have no souls to recognize their own shy or imperial beauty. Such art as yours is universal. It is like the boon air or the sunshine. It cannot be confined to the gardens and conservatories of the rich. It glorifies our public parks with such



RANDOLPH B. GUGGENHEIMER,
Acting Mayor.

natural loveliness that the little children from the tenements who play there in the sunshine learn imperishable lessons of form and color from the exquisite growths of nature that exult everywhere in their spring and summer pride. It beautifies the windows and rooms of all who love the odorous handiwork of nature, and transforms many a poorly furnished home into a place of delight.

Therefore, ladies and gentlemen, I welcome you to this city because the art which you represent appeals to the heart and imagination of every man, woman and child in this community. (Loud applause.)

The Response.

Mr. Edgar Sanders, of Chicago, responded to the Mayor's address of welcome. He said:

Mr. President, ladies and gentlemen: When I was requested to step on this platform I had no idea of what they proposed to impose on me. Coming as I do from that little place by the lakes, I came down here to hear what was to be said and done. I understand that the gentleman who was to reply failed to come, and behold of all the masses I had to be selected to take that position!

I only wish that they had let me know something about it, because then I would have been prepared to have said something that I hope would have been satisfactory to this monstrous, this extraordinary gathering, worthy of the occasion.

As I had the privilege of attending the meetings of the horticultural societies in 1853 up to 1857 in this city from Albany, where I then lived, you will understand that I am not an utter stranger here; but really I did not expect to be thus called upon. I will not take up much of your time, except to say it took a whole train to bring us from the West, and for the object that brought us here I thank you all who have come here for this grand meeting. (Applause.)

The chairman then presented the president, E. M. Wood, to the meeting, who spoke as follows. The reading of Mr. Wood's address occupied over thirty minutes, and he was frequently applauded.

President E. M. Wood's Address.

Ladies and gentlemen, members of the Society of American Florists and Ornamental Horticulturists: I am profoundly sensible of the high honor which has been conferred upon me as the presiding officer of this great convention of American florists, the greatest in the society's existence.

We meet on this our sixteenth annual convention under the most encouraging and hopeful auspices. We meet in Greater New York, the Empire City of America, at the closing and opening of a century. In a city receiving and distributing, as she does, three-fourths of the entire imports of the country, having within her harbor nine-tenths of the tonnage that on this side of the sea seeks an entrance; receiving, housing and caring for seven-eights of the immigration that reaches our shores, her interests are more extended and universal than those of any other city in the land.

The increase in floriculture and horticulture in this city, and indeed throughout the United States, is unparalleled. Here are practically forty commonwealths, trading with each other, without let or hindrance, without custom duties, in climates having products so varied and endowed with such resources natural and acquired as have no parallel anywhere in the world, unfettered by trusts, with opportunities at every hand.

As one of the greatest and grandest thinkers of New England, Emerson, said, "We live in a new and exceptional age."

America is another name for opportunity. Its whole history shows it to be the last, best gift of God to man. Is there anything more uplifting or glorious than those words, or more fascinating to stimulate in floriculture and horticulture the ambitious youth?

"The cultivation of flowers," says a writer, "is of all the amusements of man the one to be selected and approved as the most innocent in itself and most perfectly devoid of injury to others. The employment is not only conducive to health and peace of mind, but probably more good-will has arisen and friendship founded by the intercourse and communication connected with this pursuit than from any other whatsoever. The pleasures, the ecstacies of the horticulturist are harmless and pure. A streak, a tint, a shade, a perfume becomes his triumph, which, though often obtained by chance, or by the honey-bee for him, are secured alone by morning care, by evening caution, and the vigilance of days—an employment which in its various grades excludes neither the opulent nor the indigent, and teeming with boundless variety affords an increasing excitement without contention or ill will."

Flowers usher man into the portals of a higher, nobler and sweeter life.

The growth of flowers, their distribution, their uses are for all, and not for the favored few. It is with pleasure that I witness the advancement, not only in the use of flowers, but in the art and in the broadening influences which they inspire. What credit for the love of them is due to the common school, to the educational influences of colleges and other institutions of learning, I know not; but the rapid increase in the wealth of the community has done its share. Last, and perhaps not least, we are indebted to the honey-bee for a variety of benefits. Few people know or realize that much of the variety of plants, most of the colors in our garden, many of the perfumes on our toilet tables, much of the beauty on many of our canvases, a great deal of the poetry in our language, and even a considerable development of the beauty sense in ourselves results from that rather mythical historical incident, dated an aeon or two back, when the young of the bee organized themselves into families, and became in every sense of the word true vegetarians.

In this great city and State, and in many other States, the business of the florist, of the grower of flowers, and of other horticultural products has graduated from the hap-hazard and shiftless methods of twenty-five years ago into a thoroughly comprehensive and systematic method, where order and executive management are in absolute control. To-day it is not only a pleasure to visit some of the floral and horticultural establishments and see the beautiful plants and flowers, but it is also pleasant and instructive to note the excellent system, thorough organization and strict accountability.

Capital no longer shuns or fears but seeks an investment in these industries as one of safety and profit.

This society has contributed much to educate the florist to more comprehensive ideas and methods, a forerunner of commercial integrity and honor. It has raised the industry from a plodding, groveling one to the dignity of an art and to the equal of any commercial or manufacturing interest. It will compare favorably with mercantile or banking establishments, requiring the highest skill, executive ability and knowledge of the government of men. The florist, the horticulturist of to-day is a man who by nature is a restless, changeful being. Were this otherwise there would be no advance in floriculture or horticulture.

He is tired of much of the old and is fond of the new things, new methods, with brilliant effects; consequently he wants immediate results. We can safely prophesy that as time goes on he will become more and more of an interrogator, and do more and more of his own thinking.

How little people think! This was expressed by a prominent gentleman at a public dinner in this city, when he exclaimed: "There are not two hundred people in New York City who think!" This, however, is a pessimistic view. We come here, many of us, or all of us, thoughtless of what we can best do to promote the welfare of the society. We come for a good time. Now, I do not object to a good time myself, and I infer from your iridescent faces that you do not.

Perhaps we are not unlike the two boys who were saying their prayers together. One started to say the Lord's Prayer, and when he said, "Give us this day our daily bread," the other nudged him, and whispered: "We've had bread long enough. Ask Him for pie." (Laughter.)

The age is intense. It is active in all pursuits. Its people are more sensitive and independent in thought, and it appears to me that some method must be devised to prevent the society from disintegrating into different organizations through devotees and lovers of special flowers by such action as shall provide all that they hope to receive from outside organizations. Unless this is done, it is not unlikely that we may address ourselves to diminished audiences, if not diminished members of the society.

What are the causes and what are the remedies? First, the society is not strong enough financially. This is the most serious cause. It can do little or nothing for its members to carry out their wishes, either by money or by exhibits or by premiums. It would be far better for the Society of American Florists if the devoted followers of special flowers contributed such sums of money as they now contribute or deem necessary for special exhibits to a general fund to be under the auspices and direction of this society. These could be known by such names as the Chrysanthemum Fund, the Carnation Fund, or such fund as any particular contributor or contributors may designate for their special flower.

The Chrysanthemum Society, the Carnation Society, and last, but not least, the brightest jewel in the constellation—the queen of flowers—the rose.

"Loveliest of lovely things are they
On earth that soonest pass away;
The rose that lives its little hour,
Is prized beyond the sculptured flower."

Theodore Parker says: "Every rose is an autograph from the hand of God on this world about us. He has inscribed his thoughts in these marvelous hieroglyphics which sense and science have these many thousand years been seeking to understand.'

Every enthusiast in his love for a special flower wants a special organization. These societies never would have been organized but for the necessity of having means to develop, improve and advance the claims of their favorite flower. It seems to have been thought a necessity, if these flowers were to be improved, at the present time. I have the honor to be a life-member of one of these societies—the American Rose Society. My heart is in the rose.

Yet I do not approve of these special societies if it be possible to care for them in this organization.

The instinctive and universal taste of mankind selects flowers for the expression of its finest sympathies, and the individual heart of man blesses flowers. How much more is this sentiment developed in his favorite flower, the love for which burns with increasing brilliancy and strength. How difficult to hold in check the outside action which he takes to advance and improve its beauty and its variety, when the parent society is powerless to assist.

How sad the spectacle which many of you witnessed of the bold enthusiast for his favorite flower, the rose, taking possession of the society's meeting at Detroit, and appealing to its members to become subscribers for life membership, when the Society of American Florists and Ornamental Horticulturists was in need of funds itself. Not the faintest effort was made to obtain subscribers for this society at that meeting, and yet it is hard to blame the enthusiasts of rose culture.

The remedy for it is to put money in thy purse and expend it freely for the general good.

There are other remedies. First, by organizing the society into an association, national, if possible, otherwise under State laws, with power to hold property. Second, encourage auxiliary societies in every city and large town in the country, which shall obtain their charters from the parent society and for which they shall pay a certain sum, per capita at the time of organization and annually thereafter according to the numbers and strength of the society. By this plan the society will be continually growing financially stronger and in time will be able to co-operate with the auxiliary society. It would be advisable to have a committee to investigate this proposition and report at the next annual convention. Third, by organizing the co-operative department of purchase and distribution into a corporation, which takes nothing from you but gives you money for good fellowship. What, then, is or ought to be our purpose? To co-operate in anything connected with our profession that benefits the greatest number. To co-operate for the diffusion of knowledge of floriculture and horticulture and the happiness of our members, and for the benefit and happiness of mankind. But if we cast a retrospective glance, do we not see that most that has been done has been largely for self-interest?

Has the purpose been broad enough, and if so, have we performed the duties which that purposes imposes? Of the great number of florists and horticulturists and those intimately connected with us by trade, have we as members more than a small percentage? If our society were sufficiently attractive and beneficial as it ought to be we should have thousands join our standard instead of hundreds.

Our membership should be more active, more energetic, take greater interest in the society and band together for the common good.

Our exchequer appears to have had hard-sledding, up-hill and on bare ground at that. Some process should be devised by those who have the welfare of the society at heart and who feel the responsibility which it carries with it by which money shall flow continuously into our treasury, with some assurance to those who desire to promote and advance the claims of their special flowers within the society that it will be done. We are not facing as we ought the problems which this purpose demands of us.

Our members should be constantly thoughtful and active for the society in obtaining new members, soliciting every one who trades with them to become a member of the society, following the example set by that distinguished horticulturist, C. M. Hovey, of Boston, when he was trying to build up and extend the Massachusetts Horticultural Society. He and his superintendent and clerks solicited every person who came to his nurseries or greenhouses to become a member of that society. In this manner I became a member at the age of twenty-four.

We ought to be more resolute, definite and active, and not, Micawber-like, "waiting for something to turn up."

It is said not by one step hath chance fashioned on the infinite stairway of time, nor ever came good without labor and toil in science or art. It must be wrought out through the muscles, born of the soul and heart.

Are we not floating with the current, instead of seizing the oars and with a firm hand and determination rowing up stream? We ought to work with a definite purpose, rather than from impulse, turning aside the thought of self, and laboring solely for the benefit of the society. In this manner only shall we harvest the greatest benefit. It will be found that it is the strength and definiteness of purpose that determine the measure of success. It is said that one of the most gracious features of nature is that it is capable of forming high and noble purposes. The mind overleaps its ignorance and fixes upon the wisest and the best. A clearly conceived purpose strengthens and inspires us, and the success of a purpose is the fulfillment of hope. I would not affirm that a purpose, even if cherished with sufficient will and energy, will always carry a man to a goal, but rather carry him onward and upward to some kind of success, sometimes greater than his first aim. It would be absurd for me to assert that, if you aim and strive with energy, you will be heads of corporations or famous in any industry or undertaking in which you may embark. Human beings have their limitations, and, while you would attain success, it would, or might be, in other fields. Failure, in the sense that it educates, leads to success. Show me the man who has made no failure in an undertaking, and I will show you a man devoid of ambition, energy or purpose. A fixed purpose is the eternal condition of success. It is wisely said that nothing takes its place. Talent, genius, push of circumstances or education will not. The world is bubbling over with educational men, aimless and helpless as the prodigal son who fed on husks, but I am glad to see that you, ladies and gentlemen, have escaped that sorry fate.

You have seen the co-operative department of purchase installed. Many of you have heard the discussions and know the object, the purpose, recommended to the committee appointed by the convention in Detroit; their report was read at the convention; it was printed with the other doings and sayings upon co-operation. The purpose was stated clearly, and the convention believed in the object to be attained by co-operation. The vote at that meeting was that the Executive Committee of the Society of American Florists and Ornamental Horticulturists, in their individual capacity, and without involving this society in any way whatsoever, should organize the corporation, as suggested by the committee. It was the sense of that convention at Detroit, in my judgment, that the corporation should have been organized, without involving the society, but since then, at the meeting of the Executive Committee, it was the opinion of a majority of the committee that the society did not give sufficient sanction for the organization of a corporation, and so voted to continue the co-operative purchase department, as it then existed, until the meeting of this convention.

These several suggestions and recommendations are worthy of your consideration.

As an illustration of the remarkable growth of floriculture and horticulture, we may instance the great West, where in some localities it has increased in population in twenty years, four hundred per cent. The increase of glass in the same time for floriculture and horticulture, is over eleven hundred per cent. No one could have foreseen this enormous and phenomenal growth. We here see some food for co-operation. Could we obtain all the parties who erected the glass as members of this society, and a profit of twenty-five cents a box for glass, it would net a sum of over hundreds of thousands of dollars. This for only one branch of industry. We can scarcely comprehend the magnitude of the uses of glass for floriculture and horticulture. Add to the society's members those interested in floriculture and horticulture and it is impossible to estimate the magnitude of the growth and the wonderful impetus it would give the society. It is said there is a lesson which even co-operation should learn, it has taught us all through nature, as well as in political and commercial combinations; the race which rests, and seeks the happiness of the hermit crab, very speedily decays. It is only in conquest over difficulties as they arise day by day that the solution lies. If co-operation is not to die out, or be choked, it must spread itself wider and wider. It affords the world all the advantages of competition, while it avoids the cruelties which arise from an uncontrolled and unbridled monopoly. The achievements have been so great in the past, the morality of the movement is so true and elevated, and the character of it so suited to the individualistic temper of the Anglo-Saxon race, that we cannot doubt the result, if only co-operators will earnestly work. With opponents so active, it is evident the assiduous propagation of co-operative principles is necessary.

I will trouble you again with a few statistics to remind you what co-operation has done in England and Wales. Up to and including 1893, total sales $2,995,530,380, net profits $256,080,345. To 1895, by the last report, inclusive, $4,070,547,775, net profits $360,075,120. The Leicester Co-operative Society Hosiery Manufacturers commenced in 1887 with a capital of only $150; on December, 1898, the capital had increased to $204,855.

I sincerely hope that you have examined into the merits of co-operation carried on by a corporation, so that the decision here rendered at this convention, when the subject comes up for action, may be voted upon intelligently.

Co-operation ought to be continued by the corporation, with competent officials to manage it. To-day all mankind, as never before, is interested in co-operation, to avoid being crushed body and soul by the colossal trusts. When co-operation is fully installed in the different industries it will sound the death-knell of trusts. Co-operation here will still require the parental, patient and fostering care of its friends, and of those who breathed into it the breath of life and have nursed it since its birth.

Our society had in its treasury, Jan. 1, 1900, $855.55 and a life membership fund of $585—this amount after sixteen years of association. Does this sum seem sufficient and satisfying for all the efforts that have been made for sixteen years of labor? Number of members 553?

It pales in comparison with the association of the Massachusetts Horticultural Society, organized in the year 1829, when floriculture and horticulture were in their infancy, obtaining 250 members the first year and increased to 500 members in the year 1845, with $53,000 in its treasury. This, too, when floriculture and horticulture had hardly begun to climb to the great proportions to which they have grown. (In fact, Mr. Edgar Saunders says that in 1853 the whole country was just beginning.) They have nearly a million dollars to-day. What plausible answer can we make in our defence that we have not accomplished more, when the country is teeming with people and wealth, to which the years from 1829 to 1845 bear no comparison? They established a home. We should have one, second to no other horticultural building in the world. Can we have it? Most assuredly if we will it, and make it a labor of love. A home which shall bring the society an income, with an experimental station in some suburban district, where everything in floriculture and horticulture can be tested and tried, from which we all would receive a great benefit.

This home should be a place where any member can come; it should be the Mecca of the florist, where he can seek and give information; a place for the diffusion of knowledge. I believe the first home of the society should be in the City of Greater New York, it being to-day nearly the center of advanced floriculture and horticulture and which during the life of some members here will increase to ten million inhabitants. When this shall be accomplished, and is on the road to success, it will be time to consider other cities, where it may establish a home.

For sixteen years we have had uncertain existence, and until the Society has a local home, a house it can call its own, its advance will be fitful and uncertain. With a local home, I believe the Society will gain largely in permanency and membership. It will take upon itself a new lease of youth and vigor, and its usefulness will be felt in all parts of the country. Every department of floriculture and horticulture should here be welcomed and find here a congenial atmosphere. We should aid and encourage the science connected with our art, that we may better appreciate the elevating and purifying influence derived from a better and more advanced knowledge, which it is possible for us to obtain in no other manner.

This is the age of rapid progress and development, the accumulation of wealth with means to gratify our tastes for the beautiful. It should be our aim to lead in floriculture and horticulture and to mould public sentiment in our art. We should stimulate it so that it would further embellish and adorn our homes, our private grounds, our public parks and buildings. We have an unparalleled country, with unequaled natural advantages and we ought to be able to give those seeking information the most advanced and practical ideas, so that each and every member of our Society would be better equipped to carry forward this profession and under the most favorable methods. Such are some of the possibilities stretched out before us, and to their accomplishment we should be inspired by a common purpose. We should allow neither discord nor difference of opinion to weaken our efforts, but work together harmoniously and unitedly, that we may be recognized in the community as a powerful influence in every branch of our profession.

The recommendation of the President in relation to a home for the Society has been considered by a committee consisting of Messrs. O'Mara, Rudd and Cartledge, who will make a special report to you on the subject.

It has been suggested that the past presidents of the Society be made honorary members. If you deem it wise to consider this question, it would be well to fix the status of such honorary members.

The interest developed in some of the manly sports connected with our Society is encouraging. Anything which is uplifting, which brings more of us together at our convention, is welcome, and, if twenty or more clubs organized for manly sports will come to our next convention, we will give them all encouragement and a hearty welcome.

The increasing demand for plants, both foliage and flowering, is no doubt due to a taste for something more permanent in homes than cut flowers.

An erroneous idea has gone abroad that cut flowers at some seasons of the year are exorbitantly high, but an analysis of the prices for the year will find that the average is lower to-day than the grower ought to receive. Adverse criticism is occasionally made, which is heralded abroad by the newspapers and periodicals, that extravagant prices for flowers are charged by the grower for the holidays. These criticisms are made by those who know little or nothing regarding the cost of cut flowers. It is the one season of the year in which the grower hopes to receive a remuneration for his efforts. He is obliged, oftentimes, to lose a crop of flowers for which he received nothing, in order that he may obtain the desired crop for the holidays when there is a great demand for them. Did he not do this, not over half the flowers could be offered for sale in the holidays. The high prices which we hear of are only for the few flowers which are called exhibition flowers. If the grower depended for his income upon this class of his product, there would not be a commercial foot of glass in existence for the growth of cut flowers. It is to the vast volume of second, third and fourth class flowers, and that demand which comes from the middle as well as the poorer class of people, who never pay high prices for them, that the grower, and in large measure the florist, depends for his success. Those who want, and will have, the very finest of flowers, select-

ing only the most perfect in form, foliage, size and coloring, and who are thoroughly conversant with these qualities, are willing, as they ought to be, to pay the price which is demanded for them.

Wild flowers, beautiful children of the woods and fields, is there not a future for them in the greenhouse? If made a specialty, would they not find a welcome and a place in every home? Here is another opportunity for youth to seize and develop.

As to the growth of our industry:—Very little commercial glass was in existence in 1810. In 1845, glass was laid in putty and butted, the edges being dipped in copal varnish, but it seemed to have gone in desuetude until recently. Since then the growth of floriculture and horticulture has been phenomenal, beyond even the imagination of the most advanced horticulturist of that day. It may be said that it has kept pace with the increase of railroads, if it has not outstripped them, in its activity and growth, and to-day we are the foremost nation in the growth of flowers and plants and in the extent of our greenhouses and floral establishments.

It was not until 1890 that the Census Bureau made special returns on floriculture and its growth as a distinct feature, and so it is impossible for me to make comparisons with former decades with any degree of accuracy; but let me picture to you what we had accomplished up to that time, 1896, and leave you to imagine what the census now under way will disclose.

The wonderful progress in the world of science during the past few decades, as exemplified in one of many instances in the building and equipment of a railroad, is no more worthy of note than is the advancement which we have made in our own art. The rapid stride in the development of the locomotive—in its speed, its power, its economy in fuel, and in its many novel appliances—is no greater than in our own vast greenhouses of the present day.

The hothouse of twenty years ago is as obsolete as is the small, slow, wood-burning locomotive of our childhood days. To keep abreast of the times we, as well as all progressive people, have been obliged to discard the old for the new. At great cost we have been forced to construct our greenhouses on entirely new plans, involving changes in foundations, frames, roofs, lighting, heating and ventilating, as well as to greatly increase their size.

Is there to-day an undertaking that can show a more glorious advancement than ours?

We are not simply pushing ahead; we are leaping forward with bounds. Our improved methods, our capital invested, and the beauty, the variety and the amount of our product is increasing at a rate which has no parallel in any other art.

To accomplish all this has demaned of us unceasing toil, patient vigilance and the keenest thought that brain can give.

We have a right to congratulate ourselves upon our splendid achievements.

But let us not rest content with our past accomplishments. As we have sown with unremitting toil and honesty of purpose, so we are entitled to reap the benefits which American manhood claims as its birthright.

The silken threads, beautiful in texture and brilliant in coloring, are in themselves a source of delight and of usefulness, but when banded together they become a fabric of a hundred-fold strength and utility.

So with us. Co-operation should lead us to enhanced benefits, to progress in our art, and to every form of success in added measure over what we have already accomplished.

"The multitude which does not reduce itself to unity is confusion."

Ladies and gentlemen, I appeal to you to clasp hands in unity of action, in steadfastness of purpose, and to show to the whole world the triumphs and possibilities of American brotherhood.

Secretary Stewart's Report.

Secretary Stewart was then introduced to the assemblage, and read his annual report, as follows:

One year ago we met at Detroit under circumstances peculiarly encouraging. Confidence and stability had returned to the business interests of our land; we had the advantage of a popular city, centrally located, and it was not unexpected that the convention of 1899 was most successful in all respects and the results highly gratifying to those intrusted with the management of the society's affairs. The usual full official report, a 168-page volume, was published in the fall and mailed to every member, and a detailed account of the proceedings at Detroit having also been widely disseminated through the trade papers at the time, it is not necessary now to make any extended report of that event. Among the strong features of the meeting were the fine trade exhibition, in which some sixty firms were represented, the interesting papers presented and discussed—especially those on "Rose House Pests" by Edmund M. Wood, "Hybridizing Carnations" by C. W. Ward, and the "Development of Public Patronage" by J. F. Sullivan—the very practical report of the work of our legislative committee, the spirited discussion on the subject of co-operative purchase, the unstinted hospitality of the Detroit people, the splendid illuminations in honor of our visit and the large number of flattering invitations received for the next convention. We accepted the invitation from the New York Florists' Club, seconded by the fighting Governor and Mayor Van Wyck, and here we are.

The annual meeting of the Executive Committee was held in New York city on January 16, 17, 18, 1900, all the members of the committee being present except one. Besides the usual convention preliminaries, many other important subjects closely connected with the society's welfare were considered with careful deliberation, among them the organization for co-operative purchase of greenhouse supplies. The committee feeling that, in a matter involving so heavy a responsibility, the society's wishes were not indicated with sufficient clearness in the vote of instructions passed at Detroit, finally left the plan undetermined and the subject will be again brought before the society at this convention.

It being announced that the New York Florists' Club proposed holding a horticultural exhibition in connection with this convention, the committee voted to appropriate twelve silver and twelve bronze medals for distribution thereat, under the direction of the New York Florists' Club. It was decided that the department of nomenclature supervision might now be transferred from the care of a special committee to a regular botanist, and Dr. N. L. Britton of the New York Botanical Garden was appointed accordingly to this office. Sub-committees were constituted to investigate and report to this convention on the matters of society incorporation, and a permanent society home.

The Department of Plant Registration has moved along acceptably since our last report; it has been the means of adding several very influential names to our permanent membership list; its provisions are willingly complied with, it pays well and is evidently approved by those who have had occasion to avail themselves of its advantages. The registrations in this department since our last meeting were as follows:

August 25, 1899, by Lager & Hurrell, Summit, N. J., Cattleya Gigas Atropurpurea and Cattleya Hardyana Robbiana.

September 18, 1899, by Peter Henderson & Co., New York, Canna, Governor Roosevelt.

September 21, 1899, by W. E. Hall, Clyde, O., Geraniums, Little Pink and Clyde.

September 21, 1899, by M. H. Walsh, Woods Holl, Mass., Rose, J. S. Fay.

November 1, 1899, by D. Carmichael, Wellesley, Mass., Carnations, Eleanor Ames and May Whitney.

November 13, 1899, by Conard & Jones Co., West Grove, Pa., Canna, Olympia.

November 17, 1899, by Alex. MacLellan, Newport, R. I., Chrysanthemum, Victoria.

December 4, 1899, by Robert Montgomery, Wellesley, Mass., Rose, Mrs. Oliver Ames.

December 26, 1899, by Benj. Dorrance, Wilkesbarre, Pa., Rose, Sara Nesbitt.

February 1, 1900, by Conard & Jones Co., West Grove, Pa., Rose, New Century.

March 5, 1900, by C. Warburton, Fall River, Mass., Carnation, Cressbrook.

March 7, 1900, by C. H. Gerbig, Archibald, Pa., Geraniums, A. N. Gerbig.

March 13, 1900, by Lager & Hurrell, Summit, N. J., Cattleya Trianae, Nettie Martin.

April 2, 1900, by Nathan Smith & Son, Adrian, Mich., Canna, The Express.

April 2, 1900, by Lager & Hurrell, Summit, N. J., Cattleya, Trianae Aurantiaca and Trianae Fairy Queen.

April 5, 1900, by the Floral Exchange Co., Philadelphia, Pa., Rose, Queen of Edgely.

April 16, 1900, by J. H. Dunlop, Toronto, Ontario, Rose, Lady Dorothea.

April 20, 1900, by Lager & Hurrell, Summit, N. J., Cattleya Labiata, Mrs. W. C. Squier.

June 2, 1900, by Richard Gardner, Newport, R. I., Canna, Bobs.

July 15, 1900, by Arthur Griffin, Newport, R. I., Melons, Griffin's Hybrid and Sea Verge.

July 15, 1900, by M. H. Walsh, Woods Holl, Mass., Roses, Sweetheart and Debutante.

August 9, 1900, by Geo. Wittbold, Chicago, Ill., Nephrolepis Wittboldii.

A number of purchases of glass and rubber hose have been made for parties applying through the department of Co-operative Purchase, a trifling commission being added in each case, the profits therefrom being devoted to stationery, postage and other expenses incurred in the department.

The Secretary's experience during another year strengthens the favorable opinion previously expressed regarding the system of membership assessments now in operation and there seems no room for improvement in this department. The number of individuals who paid in 1898 but not in 1899 and have therefore been dropped from the membership roll is 46 and the number of resignations 2. The full number of members recorded as paid up for 1899 is 553 inclusive of 26 life members, a net gain of 119 over the previous year. The new names added to the list of members in 1899 numbered 148, one each from California, Colorado, Connecticut, Georgia, Iowa, Louisiana, Maryland, Montana, Tennessee and Texas; two each from Kentucky, Massachusetts, Minnesota, New Jersey, Rhode Island and Wisconsin; four from Canada, six from Missouri, seven from Indiana, seventeen from Michigan, nineteen from Illinois, twenty-one from New York, twenty-five from Pennsylvania, and twenty-seven from Ohio. Since our last meeting three members have died: Alfred Henderson, September 5, 1899, J. M. Jordan, February 4, 1900; Harry Dale, July 15, 1900.

The list of plant introductions in America, published in the annual report for 1899, described 189 new things. This included twenty carnations, seven roses, five cannas, twenty dahlias, fifty-six chrysanthemums, eight sweet peas, twenty-five geraniums and forty-six miscellaneous. The list of canna introductions fell off very heavily from the previous year.

We had hopes of securing for this convention a lower excursion rate for our members than the usual fare-and-one-third, but all efforts in that direction were futitle. It is gratifying, however, to know that the concession this time extends over practically the entire country, and, further, that our organization enjoys the good will of the transportation authorities in the fullest sense, no instance of the misuse by our members of their special privileges having yet been recorded.

From a territory so strong horticulturally as that in which we meet this year large additions to our membership are naturally expected. The confident spirit of the times, so well evidenced in the substantial gains made at Detroit, is still with us, and early in the year it became apparent in the Secretary's office that New York's convention would be a record-breaker. It is our privilege now to rejoice that the period of reaction, the days of depression and uncertainty are, at least, behind us, and that once more our honored society is on the high road of prosperity.

The continued co-operation and cheerful assistance which the Secretary has received during the year from the members is not the least among the factors in the Society's prosperity, and he takes this opportunity to acknowledge the same with grateful appreciation.

The secretary's report was loudly applauded.

Treasurer Beatty's report showed receipts of $2,247.05 and expenditures of $1,759.59.

There are now twenty-three life members in the society.

Appointment of Judges.

Plants: Herman Lips, J. F. Huss and Robert Hunnick.

Cut flowers: William J. Smyth, J. N. Champion and A. Gude.

Boilers and heating apparatus: Alexander Montgomery, F. H. Dressel and John Coombs.

Greenhouse appliances and flowerpots; C. W. Ward, A. Wiegand and W. W. Coles.

Florists' supplies: F. C. Weber, A. Gaedeke and Philip Breitmeyer.

Bulbs and seeds: William Plumb, W. H. Siebrecht and Alfred Zeller.

Invitations.

Invitations to the society were received from Mayor's office, City of Niagara Falls; office of Commissioners of State Reservations of Niagara Falls; the Chicago Florists' Club; Saratoga Convention Bureau; Park Commissioners of Buffalo; and the Chamber of Commerce of Detroit.

Then followed the reading of reports of the State vice-presidents:

Reports of Vice-Presidents.

Connecticut.

John N. Champion, State vice-president for Connecticut, reported no increase in membership in the society over previous years in his State. The spring trade was better than any time since 1893 and prices ranged about 10 to 15 per cent. over last year. Florists sold out early. During the holidays the plant trade seemed to take hold of the market, everything in pots sold on sight. Connecticut being so close to New York city the wholesale men reaped quite a harvest from the Connecticut retail men. The weather had been very hot. The glass surface had been greatly enlarged this season, over 200,000 feet being added, and nearly every florist in the State having either built or remodeled their old houses to some extent. Reported increased trade for hardy and herbaceous plants, such as larkspurs, hollyhocks, peonies, etc.

One new seedling was a white carnation, named Elm City. He mentioned the reorganization of the New Haven Horticultural Society and stated the society now had a membership of seventy-five and would be well represented at the convention.

Iowa.

J. I. D. Fulmer, State vice-president of Iowa, reported. They had a large society out there, but the distance to the eastern coast was so great he feared few would be present from Iowa. He reported an increase of 50,000 feet of glass in the State, which meant the shipping in of thousands of dollars worth of cut flowers during the coming season. Very few shows would be made in the State this year, the State fair being the only one of any account.

He could not recommend anything for the betterment of the society but lopping off "Ornamental Horticulturists" from the name of the society, and in meeting in Buffalo in 1901.

New York—East.

To the president and members of the S. A. F.—Once more it is my privilege to report very satisfactory trade conditions existing in Eastern New York, and a most hopeful outlook. This favorable state of affairs is also augmented by the fact that greenhouse builders have been busy during the period that has elapsed since the society last met, orders in this line having been considerably in excess of those for last year, both for florists and private places.

As an indication of the feeling prevalent among growers of florists' stock in this vicinity, I beg to quote the following, received from the proprietor of one of the largest establishments: "The business year just past has been entirely satisfactory. The demand for all sorts of plants has been strong and the supply not overly large. So far as I can see the outlook is good, and indications are that the strong demand will continue. Possibly there

may be a shortage in some few lines of plants, but I believe there will be a good supply of the bulk of commercial florists' stock, and that the demand will fully equal the supply. I expect that up until the 1st of January the presidential election will cause some disturbance in trade, but as soon as the election has been determined upon, business will settle down into the usual lines, and I apprehend that florists will have one of the best presidential election years in their history."

Business in the city itself has also maintained its previously reported satisfactory status, and it is gratifying to record that no business failure of any consequence in this trade, so far as has come under my observation, has occurred in New York city during the past twelve months.

The auction branch of the business has been very well patronized during the period mentioned, large quantities of stock having been disposed of through this channel. A feature in connection with these sales here has been the quantities of Japanese plants and curiosities in the horticultural line disposed of, and the high prices obtained for same in some cases, there having been several individual sales of this class of stock within the year.

A notable fact in connection with the cut-flower market is the earliness in the arrival of chrysanthemums each year. The first to reach this market in the fall of '99 was the variety, "Lady Fitzwygram," on September 5, followed by "Madame Gastellier" on the 10th, and a red variety, comparatively new in this locality, named "Pride of the Market," which arrived Sept. 11th. The demand for chrysanthemums has kept well up to that of previous years, and the prices for same have been well maintained.

During the season the committee of the Chrysanthemum Society of America for this district granted certificates to the following kinds, namely: Walter Molatsch, Eulalie, White Major Bonnaffon, Stellata (Gold-mine), Superba, Margaret Enright and Souci.

In the matter of exhibitions, a very successful show was held in March in Eden Musee by the American Rose Society, at which time, also, occurred the annual meet of that association. That this show was popular was attested by the very large attendance during the days in which the exhibition was held. The quality of the stock shown was a revelation, demonstrating the very high standard of cultural perfection which the American rose growers have reached. Another show was held by the society in June; but, owing to the lateness of the season, many exhibits could not be staged. This exhibition, however, was particularly educational and instructive, evidencing the advance which our rose growers are making in the raising of seedling varieties. Particularly worthy of mention are the crosses of Rosa Wichuriana with the standard varieties of teas and hybrid teas.

As has already been announced, a grand horticultural exhibition occurs in connection with the present meeting, under the auspices of the New York Florists' Club, gotten up particularly in the interests of the private gardeners.

Our neighboring cities and towns have held their usual flower shows, and there does not appear to be any diminution in the popular interest therein.

The obituary for the year just passed contains the names of some of our prominent co-workers, including those of Mr. Alfred Henderson, Mr. E. S. Carman, Mr. Isaac Hicks, Mr. John M. Hodgson, and Mr. William H. Brower.

Among miscellaneous items deserving of notice may be mentioned the completion of the magnificent greenhouse structures in the Botanical Garden at Bronx Park; also the erection of a range of greenhouses in Central Park, New York; an addition of a spacious palm house to the range in Prospect Park, Brooklyn; the establishment of a school of agriculture and horticulture at Briarcliff Farms, near Sing Sing, New York. In this school students are instructed in general horticulture, and a study of the market conditions existing to-day is to be made a specialty.

The agitation continues for the establishment of a general flower and plant market in New York. A petition for the creation of such an institution has been presented to the municipal authorities, has passed the City Council, and been recommended by that body to the Board of Aldermen for favorable consideration. This petition asks that a portion of the building proposed to be erected in connection with the Clinton Market, Canal and Washington streets, be used for the purpose of a plant market.

An effort has been made the past year to establish a society known as as the New York Horticultural Society, its object being to create a greater interest in all matters horticultural among the general public. This institution is still in embryo, but its promoters are sanguine of its ultimate success, judging from the cordial recognition it has received at the hands of some of our leading citizens.

Among the new books issued during the past year by publishers in this city may be mentioned Ornamental Shrubs for Garden, Lawn and Park Making; and an American edition of the Orchid Growers' Guide (Putnam); Landscape Gardening (Orange Judd Company); Commercial Violet Culture, and Plant Culture (A. T. De La Mare Ptg. & Pub. Co., Ltd.); and the Cyclopedia of American Horticulture (MacMillan), the latter of which may be termed the crowning effort in American horticultural literature of the century just ending.

The florists of New York and vicinity feel deeply honored by the presence of the Society of American Florists in the city this year. It is their earnest wish and hope that the stay of the delegates with us may be one of both pleasure and profit, and that it will ever remain with them a pleasant memory.

Respectfully submitted,
ALEX. WALLACE,
Vice-President.

No other reports of State vice-presidents were received.

Report of the Legislative Committee of the S. A. F.

Read by Mr. Patrick O'Mara.

Gentlemen: Since the last convention several matters of importance have been brought before the Legislative Committee.

First was the effort at co-operation with the Conference Committee of the Implement and Vehicle Association. The matters which that association had in hand and which it was trying to reach were:

1. To make the express companies pay the revenue tax on receipts.
2. To get a parcels-post system.
3. A uniform freight classification.

It was contemplated to send a committee to Washington for the purpose of urging these matters upon Congress, and your committee offered to co-operate with said Conference Committee in any effort in that direction. Nothing having been heard from the gentlemen composing that committee as to ways and means to be adopted, correspondence was begun with them, the final result of which was that we learned that after much effort they found conditions in Washington were such that it was impossible to make any progress with the two matters first mentioned, and that they were obliged to postpone action upon them for a more favorable time. The matter of freight classification is still in the hands of the freight committee, and no effort at active co-operation has been sought by them with your committee.

A bill was introduced in Congress by the Hon. James W. Wadsworth, chairman of the Committee on Agriculture, on Dec. 4th, 1899, and referred to the Committee on Agriculture. On Feb. 12th, 1900, it was reported with amendment to the Committee of the Whole House of the State of the Union and ordered to be printed. This was known as H. R. No. 96.

A bill was introduced into the U. S. Senate, known as Senate No. 2571, by the Hon. Geo. C. Perkins on Jan. 19th, 1900, read twice and referred to Committee of Agriculture and Forestry.

Both of these bills were in general effect the same as those introduced in 1898 referred to in the report of the Committee last year and each of them contained a section exempting florists' stock from the provisions of the act in interstate commerce, which amendment was obtained by your Committee at that time. Upon receipt of information that these two bills were pending, the chairman of your committee opened correspondence with the introducers, copies of which with the replies are herewith presented. Neither of these measures was enacted.

A bill was introduced in the New York State Legislature known as Assembly No. 901 relating to insect pests on nursery stock—this bill also contained the amendment which was offered and accepted by your committee at a previous session of the Legislature. The chairman of your committee wrote to the introducer of the bill sending him a schedule of plants the same as sent to Washington. That bill was not enacted.

Information was received that a bill was pending in the Dominion Parliament to remove the restrictions previously imposed upon the importation of nursery stock. Upon receipt of that information, the chairman of your committee wrote to the Minister of Agriculture asking that roses grown in greenhouses be entirely exempt from the provisions of the act; a copy of the letter is presented herewith. Your committee are glad to report that the suggestion was adopted and, by special dispensation of the Privy Council, roses grown under glass and imported in leaf are now allowed entrance into Canada as greenhouse stock. This your committee considers a very important concession.

The chairman of your committee received an appointment on the Executive Committee of the Merchants' Association of New York, which has been doing very good work in an effort to improve the administrative features of the present customs laws. Up to the present time nothing further has been done than to bring matters before the authorities, but from the progress made, it looks as if some objectionable features of the administrative act can be done away with and better service obtained through the co-operation of the officials and the Merchants' Association.

New York, Feb. 21, 1900.

Hon. Geo. C. Perkins,
Washington, D. C.

Dear Sir: We have just been informed that there is a bill before the Senate, No. 2571, introduced by you, which has been referred to the Committee on Agriculture and Forestry. As we are not aware who is chairman of that committee, we take the liberty of writing to you and suggesting an amendment, which we enclose. This, as you will see, aims to provide for the intelligent enforcement of the bill should it become a law. We found on previous occasions that the average executive officer of the government has not sufficient botanical knowledge to distinguish between what is commonly known as "nursery stock" and what is commonly known as "florists' stock," so endless confusion results in the application of such measures in ordinary commercial life.

We trust you will give this matter your careful consideration and refer it to the chairman of the Committee on Agriculture and Forestry with as strong a recommendation for its adoption as you may feel like giving.

Yours truly,
(signed:) PATRICK O'MARA,
Chairman Leg. Com. S. A. F.

(Enclosed.)

Add to section 8 as follows:

A.—Greenhouse plants grown under glass for either flowers or foliage, such as palms, ferns, orchids, cacti, chrysanthemums, azaleas, roses, carnations, violets, heliotropes, begonias, cannas and petunias; but roses which have been grown in the open ground are not exempted by this act.

B.—Herbaceous perennials, the tops of which die down in winter, such as perennial phloxes, paeonias, anemone japonica, aquilegias, delphiniums, dicentras, funkias, helianthi, spirea palmata, and all other herbaceous spireas, tritomas, veronicas, yuccas, etc.

C.—Herbaceous bedding plants such as coleus, verbenas, pansies, alternantheras, echeverias, achyranthes, ageratums, asters, etc.

D.—All conifers.

E.—Bulbs, tubers of all kinds, such as lilies, hyacinths, narcissi, tulips, caladiums, irises, cannas, dahlias, tuberous begonias, gloxinias, water lilies and all aquatic plants, tuberoses, tigridias, etc.

UNITED STATES SENATE
Washington, D. C., Feb. 22, 1900.

Mr. Patrick O'Mara,
35 Cortlandt Street, New York City.

Dear Sir:—I am in receipt of yours of the 21st inst., with copy of proposed amendment to S. 2,571. I will gladly refer it to the chairman of the Committee on Agriculture and Forestry for his consideration and action.

The bill was prepared by a committee of scientific and practical horticulturists and floriculturists from six different States. Yours very truly,
(Signed) GEO. C. PERKINS.

HOUSE OF REPRESENTATIVES.
Washington, D. C.

Hon. James W. Wadsworth,

Dear Sir:—A short time ago I saw in one of the horticultural papers that a Bill was before the House restricting the importation of nursey stock, also that there was a provision in it exempting florists' stock from the provisions of the bill affecting nursery stock. To avoid complications, should the measure become a law, it seems to me that it would be well to have the exemptions explicitly stated, and I beg leave to submit herewith a classification to be embodied in the Bill, which I think would result in having the law administered in a more satisfactory manner when the time comes.

I am writing by this mail to Mr. Benjamin Durfee, of Washington, who is a member of the Legislative Committee of the Society of American Florists, and have asked him to communicate with you in reference to it. Possibly you may remember that I appeared before your committee in relation to the same matter during the last session of Congress.

Hoping this will have your favorable consideration, I have the honor to remain. Yours, very truly.
(Signed) PATRICK O'MARA,
Chairman Leg. Com. S. A. F.

Committee on Agriculture,
House of Representatives, U. S.
Washington, D. C., 16 Feby., 1900.

Mr. Patrick O'Mara, New York, N. Y.

Dear Sir:—Your letter of the 15th inst. has been received and contents fully noted.

H. R. 96, to provide rules and regulations governing the importations of trees, shrubs, etc., etc., is in charge of Mr. Haugen of this committee and on the 12th inst. he—by order of the committee—reported an amended bill to the House, a copy of which (with the report) is enclosed. I have referred your letter to him for his consideration. Very truly yours,
(Signed) J. W. WADSWORTH.

New York, April 13th, 1900.

Hon. Sydney Fisher, Minister of Agriculture, Ottawa, Canada.

Dear Sir:—We have been informed by several of our customers in Canada that there is an act before Parliament now permitting the importation into Canada from the United States of nursery stock after fumigation. We desire to call your attention to the fact that roses are generally included in nursery stock, and yet there is a vast difference between those grown as nursery stock and those grown as florists' stock. It is safe to say that 90 per cent. of the roses distributed in the United States are grown in greenhouses, remote from orchards and almost beyond the possibility of being infested with the San Jose scale or any other insect harmful to orchards. Under these circumstances, we believe it would be wise to make an exception in favor of roses grown in greenhouses, because no danger need be apprehended from their introduction and there are certainly thousands of people in your country who are prohibited from getting new and rare varieties from this country, which can only be had in the growing state.

We have the honor to remain, yours very truly, PATRICK O'MARA,
Chairman Leg. Com., S. A. F.

Ottawa, Apr. 16th, 1900.

Dear Sir:—In reply to your favor of the 13th inst. addressed to the Honorable the Minister of Agriculture, I beg to inform you that a Special Order-in-Council, of which I enclose you herewith a copy, has been passed permitting the importation of greenhouse-grown roses into Canada. Yours obediently,
(Signed) JAMES FLETCHER,
Dominion Entomologist.

New York, Feb. 21st, 1900.

Hon. Alonzo W. Litchard, Albany, N. Y.

Dear Sir:—We take the liberty of writing to you in relation to Assembly Bill No. 901 now before that body, said bill having been introduced by you. We notice that florists' stock is exempted from the provisions of the act, but in case it becomes a law, we fear

that there will be the usual complications unless the exemptions are made so plain that the executive officers of the State can have no difficulty in interpreting the law and applying it intelligently. For this reason, we beg leave to offer you the enclosed amendment, trusting it will receive your careful consideration and meet with your approval. Yours very truly,

(Signed) PATRICK O'MARA,
Chairman Leg. Com., S. A. F.

All of which is respectfully submitted. PATRICK O'MARA,
JOHN N. MAY,
BENJ. DURFEE,
Com.

Committee on Purchase.

President Wood reported for this committee. He said: At the Executive Committee meeting I made a report and had a charter drawn up, and by-laws for incorporation. The charter was rather broad and I suggested limiting it to glass, pipe, hose, paints and oils. There was quite a long discussion in the committee, and there appeared to be an opinion that the convention did not give sufficient sanction to organize a corporation. There were members of the committee who were willing to take stock in the corporation, but they felt that the society had not given sufficient sanction for it; so they voted to continue the Purchase Department.

Now, I can add very little to what I have already said. The department will have to go into incorporation in some form or other if it is to be continued. It would seem unfortunate not to have a corporation because I believe that it would be of great benefit not only to the society, but to each member who avails himself of purchasing of that committee. The report of Mr. Wood was made a special order of business for to-morrow.

There was no response for a report of the Committee on Claims.

The Committee on Establishing a Home.

Mr. O'Mara reported no opportunity had been afforded to meet and discuss plans, ways and means, owing to very serious defect in the appointment of the committee, in that no funds had been placed at its disposal, and as there was some distance between New York, Chicago and Philadelphia, and the railroads would not carry them free, they could not very well meet to show plans to each other. It was intended, however, when here to hold a meeting and try to develop some plan by which the matter could be put in shape for the next committee to take it up, and carry out the work outlined by this committee.

The committee was granted twenty-four hours to formulate and present its report.

Committee on Incorporation.

Mr. Beatty reported as follows:

The necessity of incorporating the Society of American Florists and giving it a legal existence is so obvious as not to require mention at this time.

No progress has been made toward acquiring a national charter, and it does not appear to your committee that further effort in that direction is advisable.

After investigating more or less fully the incorporation laws of the various States, your committee finds that the laws of the State of Indiana are so broad and so liberal that this society can be incorporated under them without changing materially its present constitution and by-laws or altering its present methods of work.

We therefore recommend the appointment of a committee of three with power to incorporate the Society of American Florists, it being understood that before final action on their part, full details shall have been submitted to the members of the Executive Committee of thia society, and have been approved in writing by three-fourths of the members of said committee.

The thanks of your committee are due to Mr. W. J. Vesey, of Fort Wayne, Ind., for legal advice kindly and freely given.

H. B. BEATTY,
W. N. RUDD,
Committee.

The convention adjourned at 11:30 until this evening.

Tuesday Afternoon.

The Ladies' Drive—Brooklyn Division.

At 1.45 o'clock p. m. the members making the excursion to Brooklyn took the "L" trsin to the bridge and then via Fifth avenue "L" to Greenwood Cemetery, where thirteen carriages awaited them. A delightful drive through Greenwood and along Fort Hamilton Parkway to the foot of Prospect Park and along the many roads to the Vale of Cashmere, thence to Sleepy Hollow was indulged in.

Here an enjoyable supper was prepared under the management of the New York Florists' Club, and the ladies of the society, with the members to the number of about two hundred, were entertained, Springer's Orchestra supplying the musical entertainment.

At the conclusion of the banquet Mr. A. H. Langjahr, of Brooklyn, as chairman, in welcoming the the members of the society, said:

Ladies and Gentlemen: As I have been instructed to return you in time for the president's reception and the entertainment this evening, I will not take up your time with a long speech of welcome.

We have with us our talented friends, who, I see by the expression on their faces, have been to see the Muses. I wish to welcome you in the name of the committee, who feel highly honored to have you with them to-day. Their only regret is that they had not had you with them all day. We are but six miles to old ocean, Flatbush, the beautiful mount of homes.

The chairman then introduced Mr. James Dean, who said:

Ladies and Gentlemen: We have been to-day fortunate in having so many ladies with us, but unfortunate in that the Mayor was unable to attend, and also our Park Commissioner, Mr. Brower, but if they had known of the wealth of beauty we have with us they certainly would have been here.

The New York Florists' Club is highly honored with your company, and I hope you have enjoyed yourselves.

We are on historic ground, where one of the battles of the Revolution was fought, and I must say as a citizen of Brooklyn that I was exceedingly well pleased with the park as I drove through it, and we certainly are indebted to Commissioners Brower and De Wolf and Mr. Thompson, who has charge of our greenhouses in the park, for a great many favors. (Applause.)

Mr. Scott, of Buffalo, upon being presented to the audience, was greeted with applause, Mr. Smith, of Washington, no doubt by way of encouragement, saying "Great Scott."

Mr. Scott said:

"Mr. Chairman, Ladies and Gentlemen—I felt honored to-day when your chairman whispered to me I was one of a committee of young men (laughter, oh! oh!) to entertain the ladies to-day or to accompany them. I am sure I speak for you all when I say we are more than pleased with the glorious afternoon we have had. The view of that magnificent cemetery was well worth the journey alone, and then this unparalleled park! There may be larger parks, but for diversity of scenery, for its care and the excellence of its maintenance I doubt if there is an equal in the world. (Applause.)

"Those who were fortunate enough to attend the convention held in New York twelve years ago will remember the open hearted welcome given us, and this is quite in keeping with it. I am particularly proud to see so many ladies here. I wish they had all come here and the men all gone up on the other journey. (Laughter.)

"We owe a great deal to the ladies in the business. No doubt many of the beautiful young ladies around me hardly realize how much their mothers helped their fathers in their business in the earlier days. They have done it and God bless them for it. (Applause.)

"We thank you from our hearts for the royal way you are treating us, and I hope I will see every one of you and many more in our beautiful city of Buffalo a year from now." (Applause.)

Mr. Smith, of Washington, being introduced, said:

"I think we ought to pass a vote of thanks for the excellent manner in which we have been treated to-day by the management. One of the grandest memories of our visit will be the trip around this magnificent park. My friend, Mr. Scott, or Great Scott, has seen many European parks, and I have seen them later, perhaps, and Brooklyn can well be proud of its magnificent park. There are few parallel, none superior. (Applause.)

The chairman, in presenting to the audience Mr. Carmody, of Indiana, said: Florists as a rule always have something peculiar; Mr. Carmody is in the nature of a saint. (Laughter.)

Mr. Carmody, on being requested to stand on a chair, as he was short, said he was simply short of breath. His extreme modesty, he said, commended him to veil himself, whereupon he placed a huge vase of flowers before him, saying: "Hence, I disappear behind this beautiful veil."

Joking aside, however (removing the vase of flowers), the remark of my friend, Mr. Smith, is a most sensible one, the last one he made that it is getting late and we all want to get home, and I think, agreeing with me in that remark, you will excuse me from saying anything further. (Laughter and applause.)

There were 202 participants in this enjoyable outing, and all returned in time for the president's reception and the evening's entertainment.

At 7 p. m. the members dispersed.

New York Division.

About 125 ladies, with their escorts, enjoyed the drive through Central Park, Morningside Park and the Riverside drive, stopping at Grant's Tomb. Everybody had a most enjoyable time.

Tuesday Evening, Aug. 21.

President's Reception.

Led by Mr. Jos. Forsyth Johnson, the president's escort, consisting of Secretary Wm. J. Stewart, Treasurer H. B. Beatty, President Patrick O'Mara of the New York Florists' Club, accompanied Mr. and Mrs. Wood, to the platform while the cornet soloist charmed the assemblage with the beautiful strains of "Jernsalem." Other ladies assisting Mrs. Wood and the president to receive were Mrs. Beatty and Miss Stewart.

The vast assemblage passed in front of the platform, where President Wood and President O'Mara gave each one a hearty handshake, the orchestra discoursing sweet music the while.

The sight was indeed inspiring; the happy faces of the ladies and the smiles of the sterner sex reflecting the evident pleasure experienced and the good fellowship existing.

The reception lasted nearly an hour. Over 1,000 people were present at the President's reception.

The music provided by the orchestra was first class in every particular and commanded applause at the finish of every selection rendered.

Mr. Robert Kift, of Philadelphia, then gave an illustrated lecture, entitled

Floral Decoration.

The title of my paper covers the whole field of floral arrangement, the principal divisions of which are church, house and table decorations. Any one of these could be but touched upon in the limited time at my disposal. I shall consider them, therefore, in the broad sense, as in the views which I have here collected, examples of all classes of decorative work will be found.

We read of the splendors of ancient Roman and Egyptian banquets where flowers were said to have been so lavishly used; unfortunately I have no photographic views of these to offer you, and it may be that newspaper reporters were also abroad in the land, then as now.

While we may not hope to rival these celebrated fetes for some time to come, there is no doubt that the use of plants and flowers in decorations at all social functions is rapidly becoming more general.

Large private entertainments or balls are now given by individuals that for lavish display far exceed the former united efforts of the entire four hundred. Wedding festivities are also, if possible, made greater society events, and at times tax the resources of the florist to the utmost.

Perhaps the greatest factor for the increasing recurrence of these elaborate displays is the occasional "carte blanche" order that, falling into good hands, is carried out with judgment and discretion, thereby producing a floral effect that delights all and encourages other patrons to even greater efforts when the occasion arises.

On the other hand, money expended for flowers is too often considered wasted, or of least moment. Editorials even, have been written in the daily press, deploring the extravagant and senseless waste for such lavishment of flowers upon these occasions. The reverse is the case, however, as the delicacies and the music, considered so absolutely essential, are soon forgotten, while the decorations, greatly admired at the time, make a deep and lasting impression.

When an architect plans a house he sees in his mind's eye just how every room will look before a line is drawn. The floral decorator should be able to do the same with his work. A look over the ground and a study of the color effects of the furnishings and permanent ornamentations will show him just where the special features that he has in his mind can be displayed to the best advantage.

Every arrangement of flowers or plants, be it ever so small, should have some little touch to distinguish it, some individuality. Every room should have a point to which special attention is given so that on account of its novel or tasteful arrangement it attracts attention. It is these special features that call forth admiration; they make a



ROBERT KIFT.

lasting impression that is carried away; they are the life of the work.

Every decorator should provide himself with neat wooden and wicker pedestals of various heights. Iron stands, some adjustable and fitted with tipping devices to hold a plant securely on its side, are also useful. Pot covers in good assortment of sizes are indispensable.

All the above, except a few for special occasions, should be painted a foliage green, as it is the plants that add beauty and grace, the covers and pedestals are merely accessories, and should be concealed as much as possible.

Tall floor vases for chrysanthemums or American beauty roses, are almost a necessity. These can now be had in silvered wicker with zinc lining, not better than glass, but much more lasting.

If the order calling for a house decoration is elaborate, have a base of operations; put your boxes in the laundry or other cool room in the basement, and work from there; this confines the litter mostly to one place and keeps the stock in better form.

The foliage and flowers for each room should be selected and boxed separately from a list previously made out, showing the different points where each lot is to be used, which when ticked off, makes the order complete. This should follow with all plants, pedestals, pot covers, vases and other accessories, which when checked again, insures the safe return of all that had gone out, and means a great saving in the course of a season's work.

Those of the trade who make a specialty of large decorations, soon become more than mere florists, and appropriate the word "decorator." They also add to their force upholsterers,

carpenters and electricians, and are obliged before long to hire storage room for the properties that accumulate, and which, by re-arranging, can be utilized time and time again. Their use will be demonstrated in the views later on.

I must also speak of the kneeling stool or prie dieu. Some form of this useful article should be found in every decorator's stock, it being indispensable at a house wedding, and is also often an essential feature at the church.

Within the past twelve to fifteen years the decorator has called to his aid the evergreens of the woods. Laurel branches and wreathing made of their sprays were first used; then that grand Southern vine, the wild smilax, was introduced by A. C. Oelschig, of Savannah, Georgia, in 1888. I have an interesting letter from Caldwell, the woodsman, who, while he does not claim to be the original smilax man, is without doubt the genius who found out its commercial value, and having faith, devoted his whole time to collecting and getting it before the public. He invented the light packing case and obtained special express rates; so that now the material can be had in almost any city of the Union and Canada during its season. He thinks the entire output of last season would probably reach over 3,500 cases. Palm leaves and crowns, as well as leucothoe sprays and galax leaves, are also used extensively. Wild smilax adapts itself to almost any kind of wall or suspended form of decoration; each spray seems as if especially selected for arranging over this picture or mirror, or over that doorway, as the case may be. The only danger lies in its too promiscuous use, as then its naturally irregular and graceful form is lost in the mass of foliage.

I could describe a number of beautiful effects made by combinations of flowers and foliage, but think you will be able to get a better idea from the pictures about to be thrown on the screen, nearly all of which have one or more features to commend them.

I will only say try and let your individuality show in the work; do not rest satisfied with something that any one who had the material at hand could do. The mere setting a few plants about in the corners, crowding some ferns together on the mantel, and hanging strings of smilax in which a few carnations have been wired will not build up a reputation. Customers rarely know what is required; they expect the florist to have ideas; they look to him to tell them what they should have, the rest being merely a question of price.

In conclusion, I believe that one of the most important elements in a decoration is to be on time. Many an otherwise faultless job is spoiled from lack of time in which to carry out all that was promised. What should have been a brilliant victory, so to speak, was turned into defeat, the florists retreating in confusion through the rear door while the guests were entering the front. There should be time, indeed, for a final inspection and, if necessary, a touch here and there that, while not in the contract, adds much to the work and leaves nothing to be desired. Then what a satisfaction there is in going about with the host and hostess and hearing from them that they are well pleased and that everything is exceedingly satisfactory. You may be very tired, but you go away from their presence with a light heart and feeling of gratification that amply repays for all your efforts.

Mr. Kift's lecture was accompanied by quite a number of views of church, hall, table and other decorations, and was a most instructive effort, for which he deserves great credit.

A vaudeville entertainment followed.

SECOND DAY.

Wednesday, August 22.

Morning Session.

The convention opened punctually at 10 o'clock this morning, with a large and enthusiastic attendance. President Wood announced the first business of the session as the reading by the secretary of the report of the judges.

(See page 819.)

Certificates to Unnamed Varieties.

In regard to awarding certificates to unnamed varieties: Having ascertained that the bylaws of the society contained no provision thereanent, Mr. Rudd, Chicago, moved that where awards are made to unnamed varieties, the owners thereof be requested to name the same, and the certificate be withheld until such names be furnished. The motion was seconded by Mr. O'Mara and carried.

Co-operative Purchase.

Mr. O'Mara took the chair while the president read the constitution and by-laws, as formulated by him, on the proposed "Co-operative Society of the Horticulturists of America."

As an introductory, the president said: "There seems to be some erroneous idea about the co-operative department of purchase and distribution. Some think it is going to injure the several trades—the members that belong to this society. Now, it is not the object of the co-operative department of purchase to sell any particular one thing of a man's make. The only position they will assume is the position of a dealer who receives a commission for doing the business. The profit which they may make is distributed—50 per cent. of it to the purchaser. That makes him a willing purchaser of the co-operative department he can buy at the same price at which he can buy of the maker or dealer, and the co-operative department gives him one-half of the net profits that are made by them. This, of course, obviates the necessity of having any salesmen, and all that large expense is done away with.

"I prepared papers of a corporation which embody my ideas, and I will read them to you. It was proposed to organize a corporation under the laws of the State of New Jersey to avoid taxation."

Mr. Wood then read the proposed constitution and by-laws, adding that the papers were drawn up by Mr. Morefield Storey, of Boston, one of that city's ablest lawyers.

CERTIFICATE OF INCORPORATION, OF THE
PROPOSED CO-OPERATIVE SOCIETY OF HORTICULTURISTS OF AMERICA.

The undersigned hereby associate themselves into a corporation under and by virtue of the provisions of an act of the Legislature of New Jersey, entitled "An Act Concerning Corporations (Revision of 1896)" and the several implements and amendments thereof.

The name of the corporation is Co-Operative Society of Horticulturists of America.

The location of its principal office in the State of New Jersey is No. 60 Grand street, in the city of Jersey City, county of Hudson, and the said office is registered with the Corporation Trust Company, of New Jersey, and the name of the agent therein and in charge thereof and upon whom process against this corporation may be served as the Corporation Trust Company of New Jersey.

The objects for which the corporation is formed are:

(a) To buy, sell, manufacture and deal in machinery, boilers, piping equipment, implements, tools, furniture, glass, lumber, bones, guano manure and fertilizers, including all articles, supplies and equipment used by horticulturists and florists, or for the construction of greenhouses.

(b) To do all such other things as are incidental or conducive to the attainment of the above objects.

The total authorized capital stock of the corporation is $25,000 (twenty-five thousand dollars) divided into 2,500 (twenty-five hundred) shares of the par value of $10 (ten dollars) each.

The names, postoffice addresses of the incorporators, and the number of shares subscribed for by each, the aggregate of which being $1,000 (one thousand dollars) is the amount of capital stock with which the corporation will commence business are as follows:

Name and Residence.	Shares
Reginald H. Johnson, 60 Grand street, Jersey City, N. J.	98
——— ———, 60 Grand street, Jersey City, N. J.	1
——— ———, 60 Grand street, Jersey City, N. J.	1

And the undersigned respectfully agree to take the number of shares of stock set opposite their names.

The duration of the company shall be unlimited.

Without limiting or restricting by reference, inference or otherwise the objects and powers of the corporation hereinbefore set out, the corporation may use and apply its surplus earnings or accumulated profits authorized by law to be reserved to the purchase or acquisition of property or to the purchase or acquisition of its own capital stock from time to time to such extent and in such manner and upon such terms as its board of directors shall determine, and neither the property nor capital stock so purchased and acquired nor any of its capital stock taken in payment or satisfaction of any debt due to the corporation shall be regarded as profits for the purpose of declaration or payment of dividends unless otherwise determined by a majority of the stockholders.

The number of directors at any time may be increased up to the number of five by vote of the board of directors, and in case of any such increase the board of directors shall have power to elect such additional directors to hold office until the next meeting of the stockholders, or until their successors shall be elected.

The board of directors shall have power, without the assent or vote of the stockholders, to fix the amount to be reserved as working capital, and from time to time to sell, transfer, or otherwise dispose of any or all of the property of the corporation, provided that except in the ordinary course of business the board shall not exercise the power to sell, transfer, or dispose of real estate without the consent of at least two-thirds of all the stockholders.

The board of directors from time to time shall determine whether and to what extent, and at what times and places and under what conditions and regulations the accounts and books of the corporation or any of them shall be open to the inspection of the stockholders, and no stockholder shall have the right of inspecting any account or book, or document of the corporation except as conferred by statute or authority by the board of directors, or by a resolution of the stockholders.

The board of directors shall have power to hold its meetings, to have one or more offices, and to keep the books of the corporation (except the stock and transfer books) outside of this State at such places as may be from time to time designated by them.

In witness whereof we have hereto set our hands and seals this day of ——— 1900, at Jersey City, in the State of New Jersey.

Signed, sealed and delivered in presence of

State of New Jersey } ss.
County of Hudson. }

Be it remembered that on the ——, day of ——— 1900, before me, a commissioner of deeds of New Jersey, personally appeared who I am satisfied are the persons named in and who executed the foregoing certificate, and I having first made known to them the contents thereof, they did each acknowledge that they signed, sealed and delivered the same as their voluntary act and deed.

Commissioner of Deeds for New Jersey.

At the conclusion of the president's remarks Mr. O'Mara said: Referring to the report of last year, this matter was brought up at that time and by vote was referred to the Executive Committee with an amendment by Mr. Wood, which reads as follows:

"That the Executive Committee of the S. A. F., in their individual capacity and without involving the society in any way whatever, do organize the corporation as suggested by the committee."

I think it is pertinent to inquire whether this is the report of the Executive Committee, to whom the matter was referred.

The President—As Mr. O'Mara has read, the vote of the society was, that the Executive Committee put this co-operative department into a corporation without involving the society in any liability in any manner.

On motion of Mr. Dean, seconded by Mr. Sanders, the matter was laid on the table.

The president then called upon J. D. Carmody, of Evansville, Ind., to present his paper on "What I Think I Know About Greenhouse Construction."

In his opening remarks Mr. Carmody said: I fear I am going to give you a sad surprise, and I will tell you why. I am a foolish old fellow, full of fun. I am one of those who would rather be the instigator of one smile than the manufacturer of a barrel of tears. (Applause.) I notice that wherever I go people laugh at me. (Laughter.) Well, that pleases me. (Renewed laughter.) I would rather they would meet me with a smile which opens their mouth from ear to ear than with a scowl upon their forehead. (Laughter.)

But I am going to disappoint you. I have not got a single word of fun or frolic in this whole paper. This is a matter of business, and for a man who goes into the florist's business it is a solemn thing to him, for he does not know where he is going to come out. (Laughter.)

A number of years ago Friend Kift sang a very plaintive hymn, the refrain of each verse was something like this: "It all goes into sash." (Laughter.)

That is a serious business, and now this is a serious business I am about to undertake; and I have laid fun aside.

With these few opening remarks I will proceed to the serious subject:

Mr. Carmody's paper will be found reported in full elsewhere.

Selection of Place of Meeting.

The invitations to the Society, mentioned in yesterday's proceedings, including an additional one from Mayor Carter Harrison, of Chicago, having been read by Secretary Stewart, the various supporters of the competing cities were each heard.

Professor Cowell spoke on behalf of Buffalo, as did Wm. Scott. Mr. Scott pointed out the earnestness with which the invitation had been extended by the Buffalo florists, the attractions of the city, and of the Pan-American Exposition, and the reduced railroad rates sure to be obtainable.

Mr. Rudd, after a few pleasantries regarding the sensitiveness of the Chicago people, and their desire to be guided by advice and suggestions of visitors to their city, even to the extent of spending twenty-six million dollars to remove the offensive odor emanating from the Chicago river, moved that an unanimous ballot be cast in favor of Buffalo, a motion which was received with hearty applause.

Mr. Craig commented on the magnanimity of the Chicagoans, as exemplified by the motion, and paid a grand tribute to that city's progressiveness, adding that, had the S. A. F. O. H. decided to go there, good care would certainly have been taken of the delegates. One solitary negative voice was heard, the voter, however, afterward withdrawing same. So that the city chosen is

BUFFALO FOR 1901.

Milwaukee's invitation was received after Buffalo had been chosen as the next meeting-place.

Action on Proposed Amendments to Constitution and By-Laws.

The motion of Mr. Rudd to "amend by striking out, wherever they occur, the words 'and ornamental horticulturists,'" was lost, the vote on same standing as follows: Affirmative, 59; negative, 46; a two-thirds vote being necessary to effect the change.

The retention of the present title found a warm advocate in ex-President William F. Gude, who believed that, search the whole encyclopaedia no better name for the society could be secured, or one that would add more dignity or be more helpful to the association in the way of securing membership and otherwise, than that now applied.

To Change Nominating System.

Lawrence Cotter, Dorchester, Mass., gave notice of motion to amend the section of the by-laws referring to the nomination of officers. He proposes that Section 6 shall read as follows:

"The nomination of officers of the society shall be made orally.

"2. A majority of all the votes cast shall be necessary for election."

Nomination of Officers.

The following names were put in nomination:

For President,
PATRICK O'MARA and ERNST ASMUS.

For Vice-President,
J. F. COWELL, W. F. KASTING.

For Secretary,
W. J. STEWART, E. A. SEIDEWITZ.

For Treasurer,
H. B. BEATTY, W. W. COLES.

The Sander Cup.

A committee was then appointed by the Chair to award the Sander cup for "the most creditable exhibit in the trade exhibition department. The special committee of judges for this class will be selected from the ex-presidents of the S. A. F. who may be present at the convention. The exhibit which shows the greatest enterprise in its contents and its arrangement, and is calculated to attract, in the opinion of the judges, the greatest amount of attention from trade visitors, will be entitled to the cup. All classes of trade exhibits are eligible for competition."

Ex-Presidents Wm. Scott, Wm. F. Gude and W. N. Rudd were the gentlemen selected.

Meeting adjourned, 1.45 p. m.

Wednesday, August 22.

Evening Session.

Was opened promptly at eight o'clock, President Wood in the chair.

The first paper on the program was that of Prof. Galloway, Chief of Division of Vegetable Physiology and Pathology, U. S. Department of Agriculture, Washington, D.C., which was entitled "American Floriculture, Retrospective and Prospective."



PROF. B. T. GALLOWAY.

The speaker traced the development of horticulture from earliest times, showing its wonderful growth, and bettered condition in these later days. He presented some valuable statistics, taken from the Year Book of the Department of Agriculture (these have already appeared in our columns) showing the magnitude of the industry to-day.. He believed the Society could accomplish good work by assisting in the creation of organizations, which would have for their object, not only the improvement of the members, but the encouragement of all lines of horticultural work in their communities. The paper will appear in full in a future issue.

At the conclusion of the reading, Prof. Galloway was given a vote of thanks by the Society for his very able and valuable effort.

Dr. Britton's Lecture.

The New York Botanical Garden was the subject of a lecture, illustrated by stereopticon views, by Dr. N. L. Britton, of the New York Botanical Garden.

In presenting his paper Dr. Britton expressed the pleasure it gave him to come before the meeting on account of the honorable position he held of botanist for the Society for the last year. The New York Botanical Garden had been under organization about five years.

A number of sketches were given, showing the museum, the conservatories, and road system, the arboretum, fruticetum and bog gardens.

A series of sketches showing a party taking a stroll through this tract in the early days proved highly diverting.

Many very beautiful colored photographs of border scenes and flowers, the work of Mrs. Van Brunt, among which were the German iris, native iris, Lilium superbum, orange red milk weed, the cardinal flower and many others, were greatly appreciated.

The many beauties of the Bronx River were produced, showing a diversity of woodland scenery rarely met with.

About a hundred sketches were thrown on the screen.

A hearty vote of thanks was tendered the Doctor by the meeting for his very interesting and charming lecture.

Dancing was engaged in by the young folks till a late hour. Refreshments were served. Edgar Sanders rendered "Little Brown Jug" in his own inimitable way.

THIRD DAY.

Thursday, August 23.

Morning Session.

Session opened at 9 o'clock, President Wood being on hand early. The first business of the meeting was the reading of Mr. Frazer's paper on "Come to Baltimores." In the absence of the author, on account of sickness in his family, Richard Vincent, Jr., presented the paper to the meeting, at the conclusion extending a most cordial invitation to all to come to the Carnation Society's meeting in the Monumental City in February, 1901.

Come to Baltimore.

I regard it a very pleasant duty and a great honor to be accorded this opportunity of addressing you, especially on a subject which is, I assure you, very congenial to me. Now I am expected to show you the best side of Baltimore, and at the same time to prove to every carnationist in America that it will be both a duty and a pleasure to be present with us at the annual meeting of the American Carnation Society in February, 1901.

It is our supreme desire to have that meeting the greatest, numerically, scientifically and socially, that has yet been held, and we want you all to help us attain the full measure of our ambition.

We Baltimoreans are a very modest people, and we do not aspire to more than we are sure we can accomplish. Only once since the organization of the Society of American Florists have we



WM. FRAZER.

made a modest effort to have it meet in our city; when we next decide to invite the society to meet with us we expect to be successful, because we hope that when the Carnation Society separates, you will leave us so happy and well pleased with Baltimore that you will all vote to hold the convention of the Society of American Florists at an early date in our city.

I suppose I ought to tell you something about the attractions of Baltimore. Well, we believe we have all the attractive features common to great cities. We are proud of our parks, our monuments, churches, universities, schools, hospitals, theatres, hotels, and last, but not least, our beautiful Chesapeake Bay, which in summer gives us great pleasure and health by the many fine excursion steamers that ply on its waters, carrying thousands of our people daily down almost to the ocean, and in winter supplies us with the dainty oyster, the finest and most abundant supply of fish; and from its shores the terrapin, of which Maryland boasts.

We are easy of access, either by boat or rail; with the great systems of the Pennsylvania and the Baltimore & Ohio railroads we can be reached from any part of this great continent, and also by the noble steamers that reach us from seaboard cities and foreign ports.

Now a word about the personnel of those engaged in horticultural pursuits in and about our city. A few of them are known to you all, some to many, and the others are well worth knowing. At Buffalo you honored us by electing our Mr. Robert Halliday president of the American Carnation Society, and for that I thank you most cordially. Mr. Halliday represents one of the pioneer families in horticulture in Baltimore, he being of the third generation of that name. I need not mention his many grand qualities, as I know his extreme modesty would disapprove; you all know him, that is enough. While we have Hallidays we have also Feasts, the grandsons of Samuel Feast, worthy representatives of another pioneer family in the business. Then we have a Moss, a man of enterprise, a permanent fixture, and unlike the rolling stone, he gathers moss.

We have a Burger, but not a Boer, a man of peace, active and alert, always busy and an enthusiast in the profession. Then there is Rider, not a rough rider, nor a man with political aspirations, but a man who aspires to grow the best carnations and violets, and we think, successfully. Then comes Akehurse an A I grower of carnations, and the originator of some fine new sorts which we hope he will send out, which, no doubt, he will do, if he can find a "Lawson." Then there is Binder well known among the chrysanthemum men. But he is not only a "mum" man, but tries his hand on carnations; if his seedlings of this season continue to flourish he may surprise some of the specialists. In our capital city, Annapolis, we have Seidewitz, the popular Mayor of that city, known to all men as enthusiastic, genial and ambitious. In connection with our parks we have an artist in Mr. Seybold, who has done much in the decoration of our public domains. The bedding in all our parks is under his care, and we are proud of them. I must also mention a firm whose products are quite a factor in supplying Baltimore florists. I allude to Henry Weber & Sons, of Oakland, Md., away up in the Alleghanies. They produce grand stock, and while we of the low lands swelter in the summer heat, trying to produce flowers of medium quality, they, from their mountain home, send a fine grade of flowers. Personally, I must not speak of these gentlemen, since they are all well known to you, Mr. William Weber being vice-president of the Carnation Society.

One other name, and then I am done particularizing. I want to mention Mr. Richard Vincent, Jr., who represents our State as vice-president in the Society of American Florists, and a most enthusiastic member of the Carnation Society, a regular attendant at all the conventions, an honor to the trade and an all around good fellow.

We have too many men in the trade for me to attempt to give them personal mention. I will only say "come to Baltimore" and meet them; come and see for yourselves; come to make the meeting of 1901 the best yet; come and do us good, and get some benefit for yourselves; come and see if you wont be pleased and say, every one, when you go away, "well, I am glad I came to Baltimore."

Committee on Incorporation.

The report of the Committee on Incorporation was again read by the secretary.

Mr. Beatty explained that since making the report the committee had received information that led them to believe there is yet a chance of getting a national charter, and therefore the committee would like either to change its report or to have its recommendation amended or stricken out.

On motion of Mr. O'Mara, seconded by Mr. Wood, it was resolved that the report of the committee be referred back to them for further consideration.

Method of Nominating Officers.

The secretary then read the proposed amendment to the by-laws relating to the nominations of officers of the society.

In discussing the amendment Lawrence Cotter said he wished to urge the adoption of this amendment, and that no further argument was required than yesterday's occurrence, which showed no one could tell who was running for any office. He moved the adoption of the amendment.

Mr. May, in seconding the motion, said he did so with the idea of facilitating business, as oftentimes it was very materially delayed by occurrences such as those of yesterday, and the trouble should be remedied.

Mr. Dillon desired to know whether it was the intention that speeches and eulogies of candidates should accompany the nominations, as much time in the past had been thus consumed.

Mr. Hauswirth was of the opinion that any one attending the convention should have an opportunity of eulogizing his favorite candidate for office.

The amendment on being put to the meeting was carried.

William Weber then read as follows his paper on

The Improvement of the Carnation.

When we contrast the carnation of to-day with the carnation of fifteen years ago we behold a difference so vast that, had it been foretold at that time, the would-be prophet would have been made light of. Very naturally we all expect to advance continuously, but at that time we scarcely thought



WM. WEBER.

we would accomplish more in fifteen years than had been done in the preceding fifty. Yet, when we look at the world in general, we are after all forced to admit that we have merely done what could naturally be expected; had we not made such strides, we would not deserve to be called progressive, or co-equal in animation with the spirit which pervades all other branches of trade and industry.

I am charged with the mission of telling you the story of "The Improvement of the Carnation." The whole story, while very simple, would be of such length as to prove irksome did I attempt to tell it to you in detail as it occurs to me. I will therefore be as brief as possible, leaving the hundred and one little things which always form a part of the whole to your imagination.

Improved methods of culture stand out in bold relief as being the most important item of our subject. How different are those we use now when compared to those methods of a decade or more back. We house our plants now from six to eight weeks earlier than we used to do. Then we merely tried to get them all in before damaging frosts would arrive. The result was usually very large plants with an abundance of shoots. Leaving out the Winter culture in the greenhouse, and presuming they were to be grown in their natural way, these large plants were good subjects to Winter over, and produce and abundance of flowers the next year; in other words, they were ready for their Winter's sleep.

What happens when large plants are planted late in the season is this: The

time left for them to become established on the benches is decidedly too short. It will take two weeks in September or October to accomplish what one week in July or August would do in the way of filling up the soil with roots. When this is accomplished the plants are ready for work, and not before.

The product of a poorly or partially established plant cannot approach perfection. When we plant late there is no time left for thorough establishment to take place, and the result will, in nearly every case, be a large crop of medium grade flowers at best. And where the culture is indifferent quality as well as quantity will be inferior.

The merits of early planting are not as fully recognized as they should be. Early planting is one of the bulwarks of the present high standard the carnation of to-day enjoys. The reason is very simple. When we plant in July and August we are giving the plants ample time to become thoroughly established before the days are so short, and consequently less light available to help them along. Then we have our plants in good working condition, and the carnationist with advanced ideas can commence feeding his plants judiciously, and with the exactitude and nicety of one who thoroughly understands his subject.

Early planting may mean a few less flowers, but this will be more than made up in the better quality and greater length of stem than could be expected from the late planted stock.

A careful study of our soil, what it contains, and what it lacks; what constitutes plant food, and how plants feed, are matters which demand the fullest consideration. We cannot hope to accomplish anything of real value unless we work along these lines.

The grower who will stop trying to do as well this year as he did last year, and instead make a systematic effort to each year eclipse last year's record, will soon be in line with the best growers in the land. What we need is to stop guessing, and become so infused with our task that we will soon have all the ideas of our own we can manage and put to the test. In this manner, each one working along his particular line of thought will evolve some points, perhaps, which his neighbor in the field may not; and in this way help to contribute to the store of knowledge which is being steadily collected, and which will doubtless be preserved in history.

As soon as we learn to depend on ourselves, we begin forthwith to improve. What matters if we do make a few mistakes? Is there any one here who hasn't made them? I believe not. They simply serve to guide us in our work, and teach us the value of proceeding with our eyes open, to never experiment on a scale so large that failure of the experiment would swamp us. If we manage it carefully the results will inspire us with a confidence known only to those who thoroughly understand their calling, be he florist, engineer, merchant, soldier or what not; it is all the same.

Great as has been the improvement of the carnation in recent years, all indications point to a still greater improvement in the near future. No small factor is the modern houses which are building. One would think that we had nearly reached the limit in perfect greenhouse construction, but each year shows some little defect, and a way to overcome it. The palatial houses now used form one of the greatest contrasts to the methods of a few years back, and no small portion of the carnation's improvement is directly due to this one thing.

Everybody knows the absolute necessity of careful selection of stock, and doubly so in the selection of cuttings, and their proper care, so that I can say nothing new along this line. One of the evils of to-day is a tendency to bite off more than we can chew; it is poor policy and had better be abandoned, as it means only a loss of reputation and money.

I have thus far said nothing of the seedling man—the hybridist. Certainly a very large slice of the credit and the honor the carnation now enjoys is due to his efforts. We are wont to kick and to cuff him for the indifferent and poor varieties he has burdened us with, but through it all shines the fact that he is a most deserving fellow, and has labored hard for the advancement of the carnation.

We have passed the era when any medium good variety may be disseminated. We now expect some special feature in a new candidate for honor. Hybridists understand this fact very well, and we are promised some sensations at our annual meeting in Baltimore next February.

There is only one real practical way by which we can judge a carnation, and that is its ability to make money for the grower. It would be unfair to seedling raisers did we intimate that this fact is not always kept in view. We cannot expect to scale the ladder at a single bound, and must therefore be content with a gradual ascent.

The foregoing I believe will cover in a general way the practical part of the improvement of the carnation, but there is another side to be seen, another force to be reckoned with. The various trade journals must come in for their share; the different florists' clubs and societies which give exhibitions from time to time, and award prizes, thereby stimulating interest, as well as a friendly rivalry.



PRESIDENT-ELECT PATRICK O'MARA.

It must be admitted, however, that the greatest of these forces is the S. A. F.'s biggest and proudest baby, the American Carnation Society. The mother society may well feel proud of her offspring. We are accomplishing in a systematic way things which would be impossible were not the American Carnation Society in existence. This organization brings together annually the carnation lovers from all parts of the country. That these meetings and exhibitions accomplish great things must not be doubted for an instant.

The practical fruits which resulted from the great advertising the carnation received as a result of the deal which made the Lawson carnation the property of Mr. Thos. W. Lawson, were largely brought about by the Carnation Society. If there had been no Carnation Society there would have been no Lawson fund, and likewise no Lawson medals. That interest in the society on this account has increased a hundred-fold is certainly true. Mr. Lawson has been a potent factor in the advancement of the carnation, and the beautiful flower which bears his wife's name is a fitting example of the up-to-date carnation.

To sum up every detail, and give due credit to each for the part played by it in bringing the carnation to its present standard, would make a long story. I will leave this to you, and believe that you agree with me that the small as well as the large items are necessary to complete the list, the whole forming one grand pyramid.

A glance at the future is always interesting. During the next ten years we may expect many great changes in the cultivation of the carnation. Perhaps, even, a revolution.

Professor Arthur and others have started many of us to experiment with sub-watering, the ultimate success of which will be fraught with incalculable benefit to the grower, and at the same time reduce very largely the labor connected with the daily care of the plants. The principle of sub-watering is all right, and out of the experimenting now going on some good must certainly come. That a good many failures are being met with in these experiments is very natural. We cannot hope to be successful to any great degree at the very outset. We must first become very familiar with the idea and the principle of sub-watering, and the effect under varying conditions it has upon the plants before we shall be in a position to reap the benefits of our experiments.

A few years ago when indoor culture was first suggested for carnations, the idea was received in anything but a favorable light. In spite of this, however, we have been gradually drifting toward indoor culture. Many now house their plants as early as the first week in July. Thus half the distance between outdoor and indoor culture has been traversed. Whether the remaining distance between the two systems will be covered remains to be seen.

One of the most important matters in connection with indoor culture is thorough ventilation. When we have mastered this fully we may expect some good results from indoor culture.

What the hybridist will bring forth in the near future is always interesting to conjecture.

There must be some law or system in Nature regarding color, etc. Possibly by degrees, study, work and practice, these secrets will be gradually unfolded to us. At any rate, we know that these things will not come to us unless we make some effort.

Election of Officers.

The election of officers resulted as follows:

President, PATRICK O'MARA, New York City (unanimously).

Vice-President, WILLIAM F. KASTING, Buffalo.

Secretary, WILLIAM J. STEWART, Boston (by 120 to 35 votes).

Treasurer, H. B. BEATTY (unanimously).

The first ballot for vice-president resulted in a tie, necessitating a second ballot. Again the vote was a tie, the final ballot standing: Cowell, 63; Kasting, 86.

Speeches by Newly Elected Candidates.

President-elect O'Mara said: I desire to thank you most heartily and kindly for electing me to the high office of president of this Society. I am not good at issuing promissory notes; I try to do all I can without making any promises in advance of just what I will do. All I can say to you is this, that if God spares me for the year to come, what energy I have, whatever little talent I am possessed of, will be expended for the Society of American Florists. (Applause.)

I do not know as yet who are going to be my co-laborers in office; but I trust in the wisdom of this body to elect men who will be a credit to the organization—in fact, I know they will. It will hardly be in place for me to express any desire as to who shall be my assistants, so to speak; but I know we have men of experience who have been conducting the affairs of this Society, and I know it would give me pleasure to go along with them for the year to come.

In regard to the New York Florists' Club, I have heard it said very kindly, here and there, throughout the Convention Hall that much of the success of this convention was due to me. I want to say right here, ladies and gentlemen, that the success of this convention is not due to any one individual of the New York Florists' Club. The success as far as it has gone, and, I trust, to the end, is due to every member of the New York Florists' Club. From the moment that the invitation was extended to you at Detroit up to the present moment, every individual member of the Club has felt it to be his own personal duty to do all that he could to make this Convention a credit to the Society and to New York, and I think I can say at this stage, we have succeeded. (Applause.)

With anything like the support that was given to me this year in the City of New York by our local club, I have no reason whatever to doubt but that the record made here this year, grand as it is up to the present time, will be surpassed in Buffalo in 1901. (Loud applause.)

Secretary Stewart: No one can look over the audiences we have had in this hall the last few days and go through that vast exposition of horticultural industries beyond, without being easily impressed with the vastness and importance of this event in which we have all been privileged to participate this week. To be associated in any capacity, officially, with an organization that makes such an occasion possible, is, I think, a very high honor, and to me it is doubly so, doubly appreciated from the fact that it has been repeated so many times.

The great success that we have chronicled this week is due to the earnestness of our officers and our members, but without the co-operation that we have received from the New York Florists' Club, under the tactful leadership of the man whom you have elected to-day as your president, it would not have been possible. The coming year under his leadership will be, we all know, one of the highest successes for this Society, and I promise you, on my part, to do all I can to hold up his hands, to co-operate with him, to make it, if possible, an occasion equal to, if not even greater

than, this which we have been participating in here.

Thank you again, as I have done so many times in the past, for the honor you have conferred on me. (Applause.)

Then followed Mr. Robert Craig's paper on

The Welfare of our National Society.

I have been appointed to open a discussion on the "Welfare of the National Society," and while I am fully aware that, in view of the large amount of work to be done in a very short time such discussion must be necessarily brief, I think it is well that we should hear the views of the members on this most important question. We all appreciate now that our society has been and will continue to be a great educational force; that it has stimulated and developed floriculture along many lines, and it is quite proper that we should consider now, at this, the largest and most important meeting we have ever held, how we may improve the workings of the society itself, which has done so much for us all.

We are impressed with the fact that the society is at this time stronger than it has ever been before, and we are delighted with the evidences of the many warm and powerful friends the society has here in the metropolis of our country. We have the greatest trade exhibit we have ever had, and the finest exhibition, and the New York Florists' Club has given us a delightful and valuable Souvenir Book, particularly interesting in its history of floriculture in its earlier stages in the vicinity of New York, as well as in the forcible facts presented relative to its present status—truly a marvelous development. The editor of this work deserves our gratitude and praise as do all those who have so ably assisted him. The book is worthy of the great city it represents, and will long be treasured as a memento of this great meeting. As long as we have such workers as our New York friends have proven themselves to be, the welfare of the society is assured.

I find it difficult to suggest any new features likely to be of benefit to the society. Its management has been in the hands of many of the most capable men in the country and their time and thought have been freely given to it. Its annual reports show that they have had at our yearly meetings valuable essays on cultural methods; on building and heating greenhouses, and on almost everything pertaining to the business, by practical men who had given these problems much study, as well as scientific papers from college professors and other specialists on plant diseases, insecticides and fertilizers, which contained information that the practical florist had neither the time nor the necessary apparatus to obtain for himself. I do not hesitate to say that these annual reports constitute the most valuable business library a florist can use. I think, therefore, we should do well to continue working along much the same lines as heretofore; cultivating closer and more cordial relations between the government experimental stations and the botanical departments of our great colleges, both of which have shown repeatedly a disposition to aid us in every possible way. I understand there will be a proposition at this convention from Purdue University, Lafayette, Ind., for this society to appropriate a small sum of money for experiments in subwatering, the result to be reported at our next meeting. I hope this society may do this, and also earnestly consider all like propositions which may come before it.

It might perhaps be well for the society to hold a meeting and exhibition during Lent for the purpose of showing, particularly, cut flowers and novelties in plants at a more favorable time than is the month of August, which is a very unfavorable time for a meeting, having for its only advantage the fact that it is the vacation time of the year when florists can best afford the time to attend. But an exhibition in Winter or early Spring would be very attractive and would undoubtedly be well attended.

Another feature, already established, which deserves encouragement is that of life membership. I can think of nothing which would more greatly benefit the society than an increase of the life membership list. It has been wisely determined that the money received from life members shall be invested permanently, the interest therefrom only being available to the use of the society, so that in becoming a life member one may feel that even after being removed by death his subscription will continue to benefit the society. We should have at least one thousand members in a country like



VICE-PRESIDENT ELECT,
WM. F. KASTING.

this, and could have that many if the present members should take hold of this matter in the right spirit. I hope the younger members of the society will take a greater interest. We need the vigor and enthusiasm that belongs to youth, and there is no way by which a young man can benefit himself more, as well as the society, than by taking an active part in the proceedings and by studying the problems which concern us all, and thus qualifying himself to take part in the proceedings. Every man should do what he can on the Baconian principle that "every man is a debtor to his profession."

In discussing this subject Mr. Scott said:

"It is very encouraging to hear a man of Mr. Craig's ability and disposition speak of the national society as he does when he takes a roseate view of the status of the present society. There is no prouder moment in the history of the society than at this very moment. I entirely agree with him on the life membership question. I am not one myself, but I think I will go home and make up my mind to send my check at once. We are very numerous in this country, and it is strange; I believe the membership is but 600, and there 3,000 commercial florists in the country.

"Mr. Craig referred to a proposition from Professor Arthur, of Purdue University. Professor Arthur, on his way to the seashore for a much-needed rest, called on me about two weeks ago. He is not the originator of the sub-watering system, but he is an enthusiast. He believes it is the correct method of watering our carnations particularly, and also violets. He requested me to write to a number of the leading lights in the profession. I wrote to Mr. Gurney Hill, Mr. E. M. Wood, Mr. May and others, asking them whether they would be in favor of appropriating a small amount of money, to be given into the hands of a committee of three or five, to be appointed by the president, and to cooperate with some experimental station—for instance, Purdue University, which would be a good one, and it would be willing to spend an equal amount, and the system of sub-watering would be given a thorough scientific test. Professor Arthur believes it is the plan, and, although at present apparently expensive, it is going to be the method.

"In response to those letters two-thirds of them read something like this:

" 'In reply to your letter, I am entirely in favor of a small sum of money being appropriated to test the principle of sub-watering.'

"The only unfavorable reply to that was from Mr. C. W. Ward, whose letter reads something like this:

" 'My whole place is practically under the experiment of this system of sub-watering, the results of which will be given to the Society of American Florists.'" (Applause.)

A National Charter.

Mr. Rudd moved that the president-elect be empowered to appoint a committee of five to continue and carry out the project of obtaining a national charter for the society.

Mr. Craig, in seconding the motion, said it was very important to get the national charter, as it would give the society a standing in this country and among the nations of the world that could not otherwise be obtained. In the previous endeavor to get the charter it passed both houses of Congress without opposition, but was vetoed when presented to Mr. Cleveland for his signature. He understood Mr. Wilson, the Secretary of Agriculture, was favorable and that many Congressmen were favorable, and if it were properly managed the charter could now be got.

Mr. Dean expressed the hope that the charter would be obtained, and that a home was greatly to be desired. He stated that a member of the society had told him that, as soon as the charter was obtained and everything was in line for a permanent home, he (the member) would put up $5,000 or $10,000.

The motion being put to the meeting, it was unanimously carried.

Mr. May heartily endorsed the sentiment of Mr. Craig's paper. There were many things the members could advance for the benefit of the society, and he looked for the day when not only a national charter would be obtained, but a home also for a headquarters, where an experimental garden could be established, and not only sub-watering could be experimented on, but every other evil and benefit which appertained to the business. With one of the best men to be found placed in charge, the young assistants could be put there for a nominal sum to learn the business and study the diseases appertaining to our plants, which would very much improve the young men's ideas and make of themselves successful florists and gardeners.

Mr. Dean was much gratified, he said, by a statement made by the secretary to the effect that there was an increase in membership, and that the membership had increased very nearly four hundred since the commencement of the convention, which was wonderful and most gratifying. (Applause.)

A Committee on Sports.

A resolution, signed by Theodore Roehrs and Robert Kift, was presented, seconded by Mr. Stewart, and carried, as follows:

Whereas, The bowling and shooting tournament and other sports have for the past few years become some of the standing features of our conventions, without interfering whatsoever with the work and objects of our Society, and,

Whereas, We, the undersigned, deem it proper and advisable to have the above mentioned sports under the control of the officers of our Society, we beg to offer the following resolution:

That a Committee on Sports be appointed by the president at the time of the Executive Committee meeting in the convention city, to take full charge of all bowling, shooting and other contests, with the understanding and special instruction, that their arrangements must be made so as not to interfere with the regular work of the Convention.

Mr. Hill, in his opening remarks, referred to Mr. Wood's criticism in his address upon the champion of the American Rose Society, adding the sting was entirely taken out of the criticism because President Wood was the first man to come down with $50 for the Rose Society. Mr. Hill spoke of his own loyalty to the S. A. F., and he wanted every one to be loyal to the mother society. He hoped that every one of its offsprings—the various auxiliary societies—might see it to be wise and the right thing to come under the parental roof, and hoped this remark would atone for his over-zeal at Detroit.

Mr. E. G. Hill then led the discussion on "The Rose," as follows:

Discussion on the Rose.

Led by E. G. Hill, Richmond, Ind.

My nomination to this function, I believe, is at the instance of the members of the American Rose Society. I consider it a double honor to be thus chosen and permitted the privilege of opening this particular discussion before our national society. As time is precious, what I say must necessarily be brief.

The rose as grown in American gardens, and the same flower as cultivated under our American forcing methods, are two quite distinct phases of this important subject.

In order that the rose may rise to its proper place in American gardens—a place similar to that which it holds on the continent of Europe and in England—it is absolutely necessary that it may be freed from the dread fungus disease known as "black spot," which so cripples it in America, but which is practically unknown across the water. It is to be sincerely hoped that some heroic remedy, or some preventive measure, may be found which is as yet unknown to practical rose growers. By rose growers I mean both amateurs and professionals.

The rose as seen and grown in Europe is quite different from its development in this country. Abroad you may see roses at every turn, in every dooryard, growing in the healthiest and most luxurious fashion. These very same varieties growing in our Northern States, in all save a few favored localities, look like mere ghosts of their prototypes in Europe. This is noted by all who have had opportunity to compare growths as seen on the two continents.

I hold that in order to popularize the rose, and to give it the supreme place that it deserves in our gardens, a remedy must be found for the fungus growth referred to, and which has played with such destructive force upon our rose stocks. When I was a young man I well remember with what vigor and luxuriance old varieties like Malmaison, Giant of Battles, Mme. Laffay, Bourbon Queen, and a host of others, grew and flourished; but it is no longer so. Even these old varieties, at the present day, are only shadows of their former selves. If this remedy cannot be found which shall restore our out-door roses to perfect vigor, then we must breed a new race that shall prove immune from the dread disease. This same disease was not many years since a serious menace to our indoor-grown forcing roses, but at the present time where black spot is prevalent it is generally conceded to be due to incorrect culture and improper methods.

This is the situation as now presented, whether we relish the fact or not. We may ask in all seriousness, what has caused this remarkable deterioration in the growth and vigor of our garden roses? Are our indoor-propagated roses responsible for a lack of vitality sufficient to withstand the disease? Are our under-glass methods of propagation responsible for the enfeebling of the rose? Your speaker waits for an answer.

What we want in this country are varieties of roses that shall flourish and bloom as do La France, Mme. Testout, Mme. Jules Grolez, l'Innocence, Pres. Carnot, and the like, in France and England.

If it is necessary to breed a distinct class of roses for our country, whither shall we turn—to what section of the family shall we look for the sturdy parents? In the Rugosa section notable advance has been made by European raisers, and possibly we may find varieties adapted to American climatic conditions along this line as the work progresses. In the section of Rugosa Hybrids we have Mme. Georges Bruant, Blanc Double du Courbet, Souv. Cochet, and I noted in the garden of Victor Lemoine two sorts, the result of crossing tea varieties with the Rugosa; one of these was a beautiful bright pink in color, and M. Emile Lemoine stated that it flowered continuously; the other quite as attractive, but blooming only once a year.

In the gardens of Mr. P. Lambert of Trier, of Soupert and Notting of Luxemburg, as well as in many others of both commercial and private rosarians, this work of experiment in the Rugosa section progresses, and something of note in beauty, vigor and hardiness is sure to develop, and it may be that we are just on the eve of having placed in our hands a class, a set, a type which shall prove the nucleus of a new race that shall inaugurate a new era in the cultivation of roses in our gardens. In this connection we must not forget the two novel developments of M. Bruant—Fee Opal and Rosa Belle; these were obtained from crosses of the tea section with the old variety Fortune's Yellow.

I saw them in bloom and am glad to testify that they were strikingly beautiful.

Probably the most noteworthy result of these recent experiments is M. Jh. Pernet's Soleil d'Or, which was obtained by crossing the Persian Yellow and the H. P. Antoine Ducher. This variety is distinct enough to merit the type name of Pernettiana as bestowed upon it by the raiser.

While recognizing the good work of our friends across the water, we must not forget to commend also the efforts of our own hybridizers, who are also experimenting on the line of the hardier types—Messrs. Walsh, Manda, Dawson and others.

A more widespread effort in this particular line of work should be inaugurated over our own country; we need more Ramblers, equaling the Crimson and in different tints and colors; these can certainly be had by proper and systematic effort.

To sum up: We must make an earnest effort to either free our roses used for garden purposes from the blighting effects of black fungus; or we must, with intelligence and energy, seek to form and build up a new race of roses by crossing the hardier species with our present highly developed tea and hybrid tea varieties. American hybridists must keep in mind the hardy, vigorous characteristics required by varieties that are to succeed in our climate, nor stay their efforts until the new type is produced; the reward will be ample.

Regarding new sorts for forcing purposes, we need new colors in forcing varieties—say, like Gen. Jacqueminot or Rodocanachi, or a variety with the tint and fragrance of a Marechal Niel combined with the fine practical qualities of Bride or Bridesmaid; a fortune awaits the producer of such a rose, and if you will allow prophecy, I will venture to predict that within a very few years we shall have roses rivaling American Beauty, Bride and Bridesmaid, but covering a good range of color. The speaker has no knowledge of such undisseminated novelties being in existence at the present moment, but with the number of workers in the field and the crying need of such varieties apparent to every rose forcer, they are certainly among the probabilities.

In conclusion, I believe that the American Rose Society will prove the instrument that shall revolutionize the status of the rose, and that will make plain to the rose grower, professional and amateur, the need of the rose from our American standpoint, and with this hope in view may I ask—and urge—that you give to this young and growing society your name and your helpful encouragement and support.

At the conclusion of the reading of Mr. Hill's paper, President E. W. Wood said: I am very glad that the sting which my friend Hill speaks of has not entered deep into his heart. I would not scratch him for the world. (Laughter.) But it does not change my mind. When we have a home, to Mr. Hill and everybody else who loves a flower that home will be so attractive and so congenial that they never will leave it. We want to retain every flower that we grow to-day in this Society, and every flower that we can produce in the future. And when we have a home, as I have suggested, Mr. Hill, for the rose or any flower, will never want to leave it.

Question Box.

A question as to the culture of gardenias under glass remained unanswered.

S. B. Parsons, Flushing, N. Y., inquired if any one had had experience with Gardenia Veitchii, and been able to grow it without its being affected with mildew. He believed the gardenia was not so well known as either G. Radicans or G. Fortunei. The latter is a superb flower; the blooms are very much larger than the common, but the variety is sparse in flowering and will, therefore, never be a commercial flower, yet every man who has a bit of glass should grow it. The Gardenia Veitchii has a larger flower than G. Radicans, not quite as large as that of Fortunei, but is a most abundant bloomer—as abundant as any gardenia grown; yet the disease is so fatal to it that its culture has had to be given up. It does not pay.

The Convention adjourned at 11:35 a. m. to meet in Buffalo in 1901.

President-Elect Patrick O'Mara.

President-elect Patrick O'Mara has been engaged in horticulture all his life, and is a pupil of the late Mr. Peter Henderson. His first work for Mr. Henderson was done when only in his eleventh year. This work was planting onions, and from that beginning he passed gradually through all the various departments, including the market garden and greenhouse, obtaining in a period of about 17 years daily friction with one of the brightest and soundest practical gardeners and florists the country has ever seen, a fund of thorough knowledge which could not be obtained in any other direction. About 15 years ago Mr. O'Mara was transferred from the greenhouses to the New York store, to take charge of the business of the plant department—a most important position, which he ably fills.

Mr. O'Mara is an ardent florist in every sense, taking a very active interest in everything that tends to the betterment of the industry. He has been a member of the Society of American Florists for 12 years, and of the New York Florists' Club for 11 years. He was appointed one of a committee in 1892 to try and effect a lower rating on plants conveyed by the express companies. Previous efforts in this direction had proven futile, but there is no such word as fail in Mr. O'Mara's vocabulary if he believes he has right and justice on his side. After negotiations, which lasted nearly a year, he triumphed, alone and unaided, and secured for the plant buyers of the country the most valuable concession that has ever been granted to them. In recognition of his valuable services, and as a tribute to the firm he represented, President Wm. R. Smith appointed him one of the Executive Committee of the Society of American Florists, vice Mr. Charles Henderson, resigned. The matter of Custom House delays was also placed in his hands, and the result of his earnest work is given in last year's proceedings of the S. A. F.

Mr. O'Mara was elected president for the 1894 term of the New York Florists' Club, and again for the 1900 term, an honor which rarely falls to young men, and he is justly proud to preside over the deliberations of such a body of veterans in every line of horticulture. He is an enthusiastic bowler, is president of the New York Florists' Bowling Club at present, and was captain of the "dark horse" team that swept the field in St. Louis in 1893, an honor of which he is extremely proud.

As a presiding officer the president-elect has few equals in the craft. He is a fluent and ready speaker, quick to penetrate into the intricacies of the most difficult problems, grasping at once the salient points of all matters brought before him, and never failing to render a common-sense decision thereon. He has wonderful executive ability, is an indefatigable worker, and it is largely to these excellent characteristics that the success of the present convention is due. He is also a brilliant and polished writer; bright articles from his pen from time to time have appeared in our columns and elsewhere. A series of articles in the New York Herald commanded wide attention, although the writer was unknown; an article entitled "Landscape Gardening—A Retrograde Movement," written in answer to Mr. McMillan, superintendent of Buffalo parks, and which he signed "Observer," was admitted to be one of the best bits of literary work of the period in horticulture.

Under his guidance the affairs of the S. A. F. will be well looked after, and the society will surely prosper—if hard and conscientious work can contribute to that consummation.

Vice-President-Elect Wm. F. Kasting.

Wm. F. Kasting, of Buffalo, the vice-president elect, was born in Germany, coming to this country with his parents when he was four years of age. He first started in the florist business in 1886, in the greenhouses at the Niagara Hotel and has followed that vocation ever since at various points, including Cleveland, St. Louis, Steubenville, O., and Erie, Pa. About seven years ago Mr. Kasting entered the employ of Dan'l B. Long, then doing a wholesale commission business, and three years later bought out that gentleman. Since he began business on his own account Mr. Kasting's trade has almost doubled in volume.

The present year Mr. Kasting was appointed by the Mayor of Buffalo a Park Commissioner of that city for a term of six years.

The vice-president elect is a very popular young man, a hard worker and will prove a very valuable aide to President O'Mara.

The Trip to Glen Island.

Over fifteen hundred souls enjoyed the beautiful trip up the Sound to Glen Island on the Starin steamer "Glen Island." The arrangements for dining this large crowd were perfect, and everything passed off without a hitch. The Reception Committee worked indefatigably to make the affair the success it surely was, and Chairman Sheridan and his aides are deserving of the highest credit.

The boat arrived about 3.30 p. m., returning at 8 o'clock.

The many features of this favorite resort were very much appreciated.

Presentation to the President.

On the invitation of ex-President Adam Graham, of Cleveland, a large number of the delegates assembled in the saloon on the main deck of the "Glen Island" on the homeward journey, to listen to an address by Robert Craig, Philadelphia, whom the speaker characterized as "the silver tongued orator whom everybody knew and loved."

Mr. Craig, mounting a chair, said: Ladies and gentlemen—I feel very much elevated in several ways, and flattered. A title like silver tongued orator is enough to swell any ordinary individual's head. We have had a very pleasant day; we have had a succession of pleasant things happen to us all day long and now comes the pleasantest episode of the whole occasion. Before telling you what my principal purpose is here, I want to express what I think we all feel, and that is gratitude to the New York Florist Club for their grand treatment of us on this occasion. (Applause.)

We have had a most magnificent time ever since we landed in New York; everything has been managed so judiciously, the work has been so earnestly done that there has been no hitches anywhere—just a succession of delights all the way through.

And such a result could only be accomplished by great co-operation on the part of everybody. Under the leadership of Mr. O'Mara, in whom they all have such faith and confidence (applause), they have done more for the S. A. F. than has ever been done before at a convention. (Applause and hear, hear.) They have given great strength to the Society—a great impetus to the Society—so that I feel satisfied that as a result of this meeting, when we meet next year in Buffalo we shall have another grand convention, because we have gained great strength at this one. There is a great feeling of courage in the heart of every one in regard to the affairs of this Society, because of the work of the New York Florist Club.

We have had a delightful day. Nothing more judicious could have been done than to bring us to this beautiful place—Glen Island. The sail up the river was charming and the Island in all its departments appealed to us by its beautiful arrangements. I had the pleasure of an hour's talk with Mr. Starin himself—a most delightful hour—and I took the liberty of saying to him that every member of this Society felt personally grateful to him for his grand entertainment to-day. I understand that the use of this boat was a gift by him, and that in other ways he has been very generous to the Society. (Applause.)

You know that Mr. Starin is a very busy man. He has done in his lifetime more work than a hundred ordinary men.

He said to me that the work of building up this beautiful resort, which has really made him a public benefactor in the city of New York, has been the greatest pleasure of his life; and that the special feature which has gratified him most has been the cultivation of flowers and the planting of trees which ornament that island.

He is really one of us in heart, and we shall never forget his kindness on this occasion.

Now, ladies and gentlemen, I won't detain you much longer. I have been asked on behalf of the members of this association to present to our retiring president, Mr. E. M. Wood, a token of their appreciation and esteem, something that comes to him with the good wishes and the good will of every member of the society. Those who know him best know him to be one of the largest hearted of men. Just a few minutes ago, my neighbor said: "His heart is bigger than his body," and I guess it is. (Applause long continued.)

Turning to Mr. Wood, the speaker said: It gives me very great pleasure, sir, on behalf of the people here assembled—you are a friend of every one of them—to hand you this token of their good will. (Loud applause.)

President Wood was received with cheers, and standing on a chair he replied as follows, his voice trembling with emotion: Ladies and gentlemen: I see that you have watched me. (Laughter.) When I look in its face, which I shall have occasion many times to do, it will remind me of the pleasant associations which have been mine, and the very many pleasant acquaintances and friends I have made, since I have become an active member of the S. A. F.

This token of your esteem and regard indicates to me that you believe that my efforts in behalf of the S. A. F. have been unselfish and honest. (Applause.) I thank you, again and again, and I shall cherish this token as long as I live. (Great applause.)

The audience then joined in singing "He's a Jolly Good Fellow."

The gift was a handsome gold watch and guard of Tiffany workmanship.

The Shooting Contest.

WEDNESDAY AFTERNOON.

Shooting commenced at 2 p. m. The Philadelphia team proved the winners of the Lockland Lumber Co.'s trophy by score of 92 bluerocks. Buffalo was second with a score of 59. Cleveland came in third with a score of 53. The New York team was made up more as a complimentary team than anything else, no previous practice having been had, and the low score is not to be wondered at, seeing that some of the team were making their first efforts at blue rocks. The tournament passed off smoothly and a pleasant half day was spent, the whole party being back at the Convention hall in time to take in the evening's entertainment. The $5.00 stylographic pen put up by the New York Florists' Club was won by John Burton, of Philadelphia, Pa.

The scores are as under:

NEW YORK.	
E. Steffens	13
D. Y. Mellis	3
A. Schultheis	7
W. J. Elliott	5
Theo. Roehrs	4
L. Schmutz	1
Total	33

PHILADELPHIA.	
W. K Harris	17
W. Taplin	9
J. Burton	16
Geo. Anderson	16
E. Reid	17
A. B. Cartledge	17
Total	92

BUFFALO.	
Wm. Scott	10
T. B. Braik	7
W. B. Scott	9
W. F. Kasting	6
W. Webber	8
F. Beard	19
Total	59

CLEVELAND.	
A. Graham	9
H. M. Alteck	11
John Burns	11
J. Warneke	6
T. Meehan	12
G. A. Rackham	4
Total	53

In the contest for the pen the scores were as follows: Anderson, 7; Harris, 8; Reed, 7; Graham, 5; Alteck, 5; Cartledge, 7; Beard, 3; Breck, 5; Scott, 4; Kasting, 3; McClellan, 1; W. B. Scott, 5; Burton, 9; Burns, 4; Schultheis, 0; Meehan, 2; Warneke, 3; Rackham, 0.

About fifty visitors accompanied the shooters to Dexter Park and much interest was taken in the affair.

FOUNDED IN 1888.

FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00.
Payable in advance. The date on the address label indicates when subscription expires.

CHANGES OF ADDRESS.

When notifying the publishers to send the paper to a new address, give both old and new addresses.

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The publishers can supply binders which will hold the papers for one complete volume, keeping them in perfect order for ready reference. Price, postpaid, $1.00.

ADVERTISEMENTS, $1.25 PER INCH.

Special positions extra.
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Copy must reach this office not later than Thursday in order to secure insertion in issue of the following Saturday.
Orders from unknown parties must be accompanied by cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

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ENERGY AND ENTERPRISE.

ISN'T a trade paper that shows these two qualities, as the FLORISTS' EXCHANGE has during the past week, worthy of the fullest support of every member of the trade.

If you want to know who registered at the convention, and many other features not in any other paper, send for a set of the FLORISTS' EXCHANGE DAILIES, four issues complete, for ten cents.

Group Portraits.

At Glen Island, Thursday, two group pictures of the delegates were taken by Prince of Washington. Mr. Prince informs us these photos will be sent C. O. D. to any one desiring them.

Presentation to Manager Cleary.

The exhibitors in the Trade Exhibit, showed their appreciation of Manager Cleary's services on their behalf by presenting him on Friday forenoon with a purse of gold amounting to $100, the presentation speech being made by Secretary Stewart. Mr. Cleary was deeply affected by the generosity of the exhibitors, and feelingly accepted the gift.

The S. A. F. Convention, 1900.

Well, it's all over, and has passed into history, as we said it would do, as the greatest Convention in the life of the Society of American Florists. The immense and enthusiastic gathering, the large augmentation to the membership roll and other factors were an inspiration, and surely augur well for the future prosperity and consequent increased usefulness of the national society.

Mr. Edmund M. Wood made an acceptable presiding officer, opened the proceedings punctually, and conducted the duties of his office with commendable judiciousness and celerity. The officers and members of the New York Florists' Club are deserving of the highest credit for the clock-work-like regularity with which every detail connected with the Convention so far as devolving upon them was carried out; and an extra meed of praise is certainly due to the Reception Committee for the masterful manner in which the recreative features were handled. (We feel sure we shall be pardoned for this particularization, because we think it is highly deserved.) In short, let us say that from the moment Acting-Mayor Guggenheimer opened the proceedings, Tuesday, to the close of the Convention, there was not a single hitch.

Now, as to the practical work accomplished. The president's address was a scholarly one, and carefully prepared, its only fault being, perhaps, its extreme length. That Mr. Wood has the welfare of the S. A. F. at heart is evidenced by the frequent appeals for its support throughout his paper. His statement that "our membership should be more active, more energetic, take greater interest in the society, and band together for the common good" should be laid well to heart by everyone. Not only do these words apply to the rank and file, but also to those who guide the society's affairs, for to quote the president again: "if we cast a retrospective glance do we not see that most that has been done has been largely for self-interest?"

It is to be sincerely hoped that the movement which has been set on foot to secure a home for the S. A. F., and which appears to receive the endorsement of its membership will result in something tangible along this line being effected.

The status of the society is such and its importance as an educational factor in the country is so great, that the day has long since passed when its office, metaphorically speaking, can be carried around in the secretary's hat. Invest the association with the dignity it richly deserves by providing it with a home.

It was gratifying to learn that the possibilities of securing a national charter for the Society are greater now than at any time heretofore. The acquisition of this instrument may, and assuredly will, form an incentive toward the establishment of permanent offices for the Society.

The introduction into the program of illustrated lectures, not of a mere diverting character, but of a practical and instructive nature, calculated to assist our craftsmen, should be continued. The lecture of Robert Kift was worth many times more to the retailer for the suggestions and hints it contained, combined with the demonstration of these, than 10 years' dues to the S. A. F. So also do these remarks apply to the grower in connection with Mr. Carmody's paper. Give us more of such features.

We hardly think that any one will regret the disposal made of the proposition to incorporate the "Co-operative Society of Horticulturists of America;" neither will they condemn Mr. Wood's enthusiasm in the matter. That it was well-meant cannot be gainsaid, but the practical carrying out of the suggested scheme is prevented by the facts that you cannot successfully hitch an educational society and a commercial organization to the same wagon pole, and the extent of the territory, the interests of the florists in which the Society seeks to cover. Local bodies of the craft, however, might, and should, give the matter attention—the only possibility of its successful operation lies among them.

The graceful retreat of Chicago before the onslaught of Buffalo in the contest for next year's meeting will go down to future generations as a master-stroke of diplomacy, worthy of the statesman florist who engineered it. "And Ornamental Horticulturists" is to remain yet awhile; although a majority were not in favor of it. Are we, however, right in our selection of the word "ornamental?" Probably the Encyclopedia could furnish us with a term more expressive of our *work* than of our good selves, and it is "by their deeds ye shall know them."

The change in the system of nominating officers was desired, not so much by the method that has prevailed for the past few years as the lack of a proper study of its value and application by those putting it in operation. However, the "dog has returned to its vomit," and no more need be said thereupon.

We would strongly urge a careful perusal of Robert Craig's address on "The Welfare of our National Society." There does present itself an urgent need that the S. A. F. make its influence felt by some ocular and practical demonstration thereof, more than once a year. An exhibition, conducted under the Society's auspices, at a time that seemeth most opportune, is an excellent suggestion worthy of heed. To seek further co-operation with the experiment stations and other governmental institutions of the country, should also be the Society's aim. The florist's trade is indebted to these stations for some most practical and beneficial hints; and to assist in the further conduct of the work, such as these institutions undertake, would result in ten-fold benefit.

Is it coming near the time when all auxiliary societies shall be under the "parental roof"? The rumblings are heard, though faintly yet, perhaps. Let its supporters present the applicability and usefulness of such a proposition in its fullest force. Mere generalizations demonstrating nothing tangible, will not receive the earnest consideration given to well thought out, practicable plans.

Unstinted praise is, we think, due to the managers of the trade and horticultural exhibitions respectively. Their efficient services tended to most magnificent results.

And now, one word about the part played by THE FLORISTS' EXCHANGE in this Convention. Our efforts to furnish a daily report of the proceedings culminated most successfully, and, to us, most creditably, if we are to judge by the numerous encomiums bestowed upon our enterprise. That it necessitated hard work, we are willing to affirm, but the consciousness of having done that work well, and the appreciation of such are surely sufficient reward. Each day's proceedings, right up to the hour of closing were chronicled, and read with intense interest, the following morning by the delegates, all the four editions containing respectively 20, 24, 22, and 20 pages, of the same size as those in our usual weekly issue, being in the Convention hall before the morning sessions began.

We think we may be pardoned for this little bit of self-praise, especially in view of the fact that the proceedings recorded were gleaned by members of our own staff, and the composition and printing of the daily editions done in our own press rooms.

The full success of our week's work was due entirely to the active co-operation of the staff and employees of the printing establishment, without whose cheerful and willing assistance it would have been impossible to perform, what is generally believed to be a most remarkable feat—for a florists' trade paper.

Society of American Florists and Ornamental Horticulturists.

DEPARTMENT OF PLANT REGISTRATION.

N. Studer, Anacostia, D. C., registers Nephrolepis washingtoniensis erecta, a seedling originated in Anacostia four years ago. Fronds thick and leathery, with metallic lustre, five feet and upwards in length and 12 inches or more in width. Habit upright.

Nephrolepis washingtoniensis pendula. Seedling originated in Anacostia about four years ago. Fronds thick and leathery, with metallic lustre, five feet and upwards in length, and 12 inches or more in width, with dark brownish midrib. Habit drooping.

WM. J. STEWART, secretary.

The Seed Trade Outlook.

The seed trade was never more at sea than at the present writing. The question usually is, where can we sell at a profit? but now where can we buy a reliable article, not at a price that, under usual conditions of trade, would afford a profit, but one that will satisfy the consumer without regard to price. There is no disguising the fact that in nearly all lines there is a shortage, and in many lines, one for which there is no relief. We take, for instance, American-grown seeds; formerly we could get from Europe something of the same name that could be used in place of home-grown stock, even though not of as high standard of excellence. This year the case is different, the kinds grown in Europe for the American trade have more generally failed there than here. Let us go into detail.

The pea crop in both countries is short; in some kinds very short. At the same time there are hold-over stocks sufficient to meet legitimate demands—quite enough to warrant a good profit to both the wholesale and retail dealers, unless some of the adventurers, without a climate, hope to sell or give away seeds in hopes that the customers once secured can be retained. These sharks did a vast amount of damage last year, when, but for their methods, a good profit could have been made on all sales, by every one in the trade.

Let us say one word to those who offer to give the consumer nearly all the profits that justly belong to them: Your plans won't work. We have seen them tried repeatedly, and the customers you make this year will buy next year of the man that adopts your practice, unless you continue to sell at a price that affords you *not* profit, and impoverishes your honorable competitors. It may seem very well to offer A. B. all your profit for the sake of his influence, but some one else is doing just the same with C. D., and so all through the trucking districts of the country. Do not think your arguments and confidential quotations will be kept sacred, for they will not. The men you bought will sell you out next year, and make a good profit. But more along this line some future day. There will be peas enough for the planter—but there should and will be a good profit to all who handle them.

Cabbage is not in sight to fill more than from 50 to 75 per cent. of contract orders for American-grown seed, which alone is used for the most critical trade, and the shortage cannot be made from Europe, as they have not sufficient for their own trade. The box and packet trade must suffer this year. At the same time they will clean out old stocks in a way they fully understand, which will make a good demand for future crops. In this country there is more than the usual amount put for another year, but the outcome is a game of chance. It is safe to say, however, that the wise dealer has already made his contracts for his next year's supply. As for the foreign crop for 1901, no one can tell anything about it, as the growers there do not begin to tell half they know, and supplies are apt to come from unexpected places. What is true of cabbage is true with all other of the Brassica family, if we except Brussels sprouts, for which there is but little demand.

The shortage of turnip seed will enable all holders to close out old stocks at a profit.

Spinach for Autumn sales is in short supply. Prices should rule high, at least high enough to afford a good profit.

The present year's crop in Europe is not large enough to bring prices down below a good profit.

Kale is short beyond the fears of the pessimist—20 per cent. is a high estimate of what will or can be delivered on contracts.

Onion seed is short—Many kinds very short. Every one except the grower should make a good profit and have no fear of a surplus.

Bush beans, a moderate crop, the drought in some places and the blight in others, have injured the crop materially.

Lima beans, both bush and pole promise fairly well.

Tomato seed will probably be in good demand, at firm prices; the same is true with beets, although, of some varieties, there is quite some stock in the dealers' hands.

Carrot seed will be very high for garden sorts, fully 50 per cent. above last year's prices.

Radish will be high, at the best, less than half a crop, which will give the dealers an opportunity to close out old stock, and give them an opportunity to dictate prices.

In conclusion let us say, if the trade

does not do a satisfactory business the coming year, it will be their own fault. Some of the early adventurers have become sickened of their old methods, and the new ones will not be able to secure supplies that will enable them to injure the legitimate trade by low prices.

Classification of the Sweet Pea.

One of the most practical papers presented before the recent Sweet Pea Conference in London, was that of Mr. W. P. Wright, dealing with the classification of the sweet pea. He said, in part:

When we consider the parts of the sweet pea flower, we survey magnificent raw material for floricultural excellence. In the first place, we have the standard, the principal part of the bloom. What clay is there for the moulder's hand! He can fill it with substance and perfect its outline. Teaching himself beforehand what perfection is, he can set himself to approach it with all the tenacity of his race. And when he has his ideal flower he can paint it with a score of lovely hues. Many of the flowers which we have to-day are pleasing to the eye, but not satisfying to the mind. At a distance, the gay, fluttering blossom is as winsome and enchanting as a butterfly, but a near inspection often reveals unevenness of outline, raggedness, notching, and kindred abominations, all of which must be swept away.

With respect to hooding, I must speak in almost equally uncompromising terms. While freely granting that some of the varieties which hood persistently are pleasing and pretty, I cannot but regard them as imperfect. Hooding is inherently an imperfection, because most varieties hood while immature, and again when past their best. In a complete state of development certain varieties have enough substance to stiffen up the folding segment, while others, more flimsy, fail to do so. The hooded flower is a flag at half-mast.

As the hooders are a fairly numerous race, and include some of our prettiest peas, we must make a section of them, but in my humble judgment they are floriculturally on a lower grade than the erect flowers. It is doubtful whether posterity will find itself burdened with others than these two sections. It is true that there are numerous varieties at the present time which only hood slightly, and give many erect flowers, such, for example, as the beautiful whites Blanche Burpee and Sadie Burpee, and these might be termed half-hooders or intermediates; but I think that once we decide to set up erectness as a standard of excellence, we shall soon find ourselves getting closer to it by selection. Slightly altering an old tulip phrase, we shall get erectified flowers, not only of these whites, but of many other exquisite peas.

Then there is Recurvation, or Reflexing, but this is almost bound to go. It is characteristic of the old Invincibles and Bicolors.

There is also notching. This is a serious disfigurement. It is a feature of the old sorts—a relic of the black barbaric days when there was no Eckford. Let us get away from it.

Some person has suggested that in the future we shall get fringed flowers. When I survey a variety like the fluted form of primrose I can well believe it. But it is not to me an agreeable prospect. What person, having in his veins one drop of the blue blood of the old aristocracy of florist, can ever wish to see a fringed sweet pea?

To sum up, we want in the ideal standard a large, bold, erect segment, firm, substantial, and leathery, smooth at the edge, even in outline, and symmetrically rounded. We will be fairly satisfied if it is the size of a half-crown, so long as the shape is right, but we shall get it bigger, and with the quality, too. Such varieties as Senator, America, and Stanley are noteworthy for excellence of standard, but there are many more. Let us turn to the next pair of petals—the wings. These should not be erect, like the standard, or the tip of the keel would become unduly prominent. In the variety Golden Gate, which is not a yellow, the wings are vertical and open, giving a resemblance to a pair of half-open gates; but this we must suppress with the strong hand. We will pass through the gates and away. The wings should be closed at the top, and slightly folded or hooded, so as to hide the tip of the keel. This likewise gives full exposure to the standard. Well set, well formed wings are a great adornment to a flower, and in the Bicolors give us many choice harmonies of color. The wings of Stanley cover the keel well; those of Senator do not.

In the keel we have another pair of segments, cohering so as to form a small pouch. We need not worry after form here. If the wings do their duty only the front of the keel will show. The amateur hybridizer will not fail to note that by the time the flower is expanded the pollen is shed and the flower self-fertilized. To secure cross-fertilization the anthers must be removed while the flower is still in the bud stage.

Mr. Wright's summary of the points of a perfect sweet pea is as follows:

The standard of erect flowers must be quite flat, well-rounded, smooth at the edge, free from notch or serrature, and not less than 1¼ inches across.

The standard of hooded varieties must be well-rounded and smooth.

The wings must be about half the size of the standard, spreading at the base, but slightly folded and hooded at the top, so as to hide the tip of the keel.

The colors, whether self or parti, should be clear and well defined.

There should be at least two perfect flowers on a stem.

The plant should be of a strong, free habit.

Color, he said, must play an important part in a system of sweet pea classification; indeed, I should not be surprised if the future allots to it the leading position in view of the few variations that there are likely to be in form. By the exercise of a very little ingenuity we can get nearly all the leading varieties into one of several well-defined groups. We have:

(1) SELFS. This is a large, important, and beautiful class, and perhaps no better example of a pure self could be found than Salopian. Many of the bright red "Selfs" have a distinct tint of magenta in the wings, but Salopian has not. In this section natural subdivisions occur to the mind. Thus we have Countess of Radnor as the type of lavender Selfs, Navy Blue of blue Selfs, Dorothy Tennant of mauve Selfs, and so on.

(2) FLAKES. A fairly large class, and one likely to increase in popularity. We have crimson Flakes, such as America, mauve Flakes like Gaiety, rose Flakes like Aurora, blue Flakes like Grey Friar, and maroon Flakes like Senator.

(3) BICOLORS. In one sense flakes are Bicolors, but it would be logical to adopt a system of classifying as Bicolors those varieties which have one well-defined color in the standard and another in the wings. Sub-sections come naturally if we take as the distinguishing color that of the standard. For instance, in Little Dorrit and Empress of India (rose standards with white wings) we have rose Bicolors; in Orange Prince, Countess of Powis, etc. (salmon standards and pale wings), we have Salmon Bicolors, and so forth.

(4) FANCIES. There are, and must be, no inconsiderable number of varieties which refuse to be disposed of so easily as the rest. Take, for example, the lovely Lottie Hutchins, which is lightly splashed with pink on an ivory ground. It is not a true Self, nor is it a true Flake. Such varieties might be classified as Fancies, with the subdivisions White Fancy, Yellow Fancy, etc., taking the ground color as the distinguishing feature.

(5) PICOTEE EDGES. A very small class at present, but one that may increase.

Mr. Wright, in his paper, enumerated and described 165 varieties. He then tabled lists of these peas classified according to form. The following are types which serve to show his arrangement:—Erect-flowered varieties—Emily Henderson, Painted Lady, Boreatton, and Countess of Powis.

Hooded varieties.—Colonist, Imperial Blue, Sensation, and Oriental.

Partially hooded varieties—Navy Blue, Sadie Barpee, and Salopian.

Revolute varieties.—Invincible Scarlet, Peach Blossom, and Daybreak.

He also furnished lists of varieties classified according to color. This color classification is almost identical with that adopted by the English growers for carnations—selfs, flakes, bicolors, white-ground fancies, rose fancies, and picotee-edged as detailed above.

The classification committee hopes to reduce the number of varieties to 50.

The Florists' Exchange Dailies

Were a great success, and contained a lot of matter that has not been printed elsewhere. The publishers have reserved a limited number of copies, which **will be mailed** at **10 cents for the set.**

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The Exhibition of 1900

TRADE AND HORTICULTURAL.

Plant Exhibitors.

H. A. DREER, Inc., Philadelphia, Pa., displayed a full line of ferns, both in small and medium sizes, also seedling palms and fancy caladinny. Among their collection of mixed plants are kentias, latanias, cycas, dracænas (including specimens of D. godseffiana), and some large specimens of Kentia Forsteriana. This firm also has a collection of blooms of their double fringed petunias, which are very handsome.

C. W. WARD, Cottage Gardens, Queens, L. I., had a splendid collection of geraniums in pots, including many new varieties. There are nearly one hundred varieties all together, and they showed all the varied forms and colors known to this family. Begonias, also, were represented, as were those two excellent cannas, Pres. McKinley and Black Beauty.

J. M. KELLER, Bay Ridge, Brooklyn, N. Y., had a fine collection of specimen palms, Dracæna Massangeana and Boston ferns, also a collection of orchids, including cattleyas and cypripediums.

J. A. PETERSON, Cincinnati, put up a nice exhibit of adiantum in 5-inch pots, fine plants; also plants of dracæna and Pandanus Veitchii.

FRITZ DRESSEL, Weehawken, N. J., had a large collection of Dracæna Massangeana, which are exceedingly fine, together with specimens of Boston ferns, ficus, palms and aspidistras.

CLUCAS & BODDINGTON CO., New York, make a fine showing of palms, medium sizes predominating. In their exhibit phoenix, kentias, latanias and arecas were represented, also araucarias.

HIRAM T. JONES, Elizabeth, N. J., had an exhibition of evergreens in good shape.

ROBT. CRAIG & SON, Philadelphia, Pa., had a display of crotons that is excellent; about thirty-five varieties are included in the list. Araucarias, dracaenas in variety, ficus, latanias and some magnificent Boston ferns and specimens of kentias, phœnix, etc., were in this exhibit.

SIEBRECHT & SON, New York, made a very large display. Some fine specimens of kentias, phoenix, &c., we staged. Adiantum Farleyense is used as a setting for the oncidiums that are in bloom. Many anthuriums are also shown, together with other choice plants, including such as Dieffenbachias, Platycentra grande, birdnest ferns, Dracaena Sanderiana.

LEMUEL BALL, Wissinoming, Philadelphia, Pa. displayed a nice collection of young palms and decorative plants, Pandanus Veitchi, Livistonas, arecas, araucarias, latanias and kentias are among them; the kentias especially are strong and vigorous.

DALY BROS., Granton, N. J., sent a batch of their new geraniums, Paunpeck.

A. B. HOWARD & SON, Belchertown, Mass., made a fine showing of single petunias of the New Star variety; also dish of the Liliputian Zinnias.

C. H. JOOSTEN, New York City, put up a display of small palms and rose plants, both grafted and on their own roots.

H. A. BUNYARD, as sole agent for John Peed & Sons, London, England, made a nice display of fancy-leaved caladiums, named varieties.

P. OUWERKERK, Jersey City, N. J., had a splendid collection of evergreen shrubs and trees, among which are some specimens of Cedrus deodora, taxus and holly in varieties; also buxus, abies and thuyas in variety.

N. STUDER, Anacostia, D. C., had a nice collection of palms and ferns, the most notable among which were the Neprolepis Washingtoniensis pendula and N. W. erecta. Included in his collection were plants also of pandanus utilis, cocos, seaforthias, latanias, chamaerops, Boston ferns and dracaenas in variety.

CHAS. D. BALL, Holmesburg, Pa., had a collection of cycas, Pandanus Veitchii, araucarias latanias, livistonas and Dracæna Sanderiana.

JULIUS ROEHRS, Carlton Hill, N. J., made a magnificent display both of specimen stock and in smaller grades. Orchids are one of the features and plants in bloom of Vanda coerulea, Dendrobium formosum, D. phalaenopsis, Cattleya Eldorado and Oncidium citrosmum are to be seen. There were also a few plants of Acalypha Sanderi. The large kentias and phoenix palms are fine subjects, while among the lesser stocks anthuriums, ardisias, oranges, Adiantum farleyense and fern balls helped to make a fine exhibit.

A. ROLKER & SONS, New York, showed a nice collection of palms, ferns and usparagus.

ELIZABETH NURSERY CO., Elizabeth, N. J., had a fine display of evergreen and deciduous trees and shrubs, also herbaccous plants and flowers.

WM. MOON CO. NURSERIES, Morrisville, Pa., had a collection of conifers, spruce, etc.

ARTHUR COWEE, Berlin, N. Y., had an exhibit consisting entirely of gladiolus; many fine varieties among them.

R. DREYER, Woodside, L. I., had a fine collection of palms and decorative plants, among which were specimens of Livistona sinensis, phœnix, araucarias, dracaenas, cycas and Boston ferns.

LEHNIG & WINNEFELD, Hackensack, N. J., had on view a choice collection of their finely marked foliage cyclamens. These were excellent specimens, showing plenty of flowers.

J. C. VAUGHAN, New York and Chicago, displayed a number of nephrolepis ferns.

GEO. WITTBOLD CO., Chicago, Ill., had a nice display of their new fern, Nephrolepis Wittboldii, in various stages of growth.

BOBBINK & ATKINS, Rutherford, N. J., made a very creditable display of evergreen shrubs and trees, among them being fine specimens of retinospora cupressus, buxus, podocarpus, abies, etc., in varieties. They also showed small ferns in flats, some Arundo donax and a batch of well-grown Eurya latifolia.

LAGER & HURRELL, Summit, N. J., had a fine display of orchids in bloom, among them Cattleya chrysotoxa, C. Harrisoniæ, C. granulosa, C. velntina C. bicolor, Dendrobium formosum giganteum, Miltonia Roezlii and M. R. album, Oncidium incurvum, O. Kramerianum, O. Papilio. There were about 150 plants in the collection.

Miscellaneous Exhibits.

AMERICAN FLORIST, Chicago, Ill., had specimen copies of their paper for free distribution.

AMERICAN GARDENING, New York City, a collection of books on matters horticultural.

H. BAYERSDORFER & CO., Philadelphia, Pa., had a very elaborate display of florists' supplies, including metal designs, china fern dishes, paper pot covers, chenille and cape flowers in colors, and new importation of immortelles, moss wreaths and other designs. Prepared cycas leaves and wheat sheaves are made a specialty, as also are fancy baskets, of which a very full line is on view.

HENRY BIRD, Newark, N. J., made a showing of his new Acme Flower Pot.

JOS. KIFT & SON, Philadelphia, showed their glass flower holders, also mirror decoration, demonstrating the utility of the holders for that purpose. Also handsome jardinieres.

BOBBINK & ATKINS, Rutherford, N. J.—This firm showed a fine line of bulbs, including hyacinths, tulips, crocuses, all in named varieties; also palms, both medium and small sized. They also had a fine exhibit of the Hasselt Belgian Pottery, for which this firm are the sole agents for America.

BOSTON FLORIST LETTER CO., Boston, Mass., had a fine display of florists' letters of all descriptions.

JOHN LEWIS CHILDS, Floral Park, N. Y., showed 141 varieties of gladiolus and over 100 varieties of herbaceous flowers.

CLUCAS & BODDINGTON CO., New York City, made an excellent display of bulbs, including Lilium Harrisii, L. longiflorum (Bermuda); L. longiflorum giganteum, L. longiflorum from Japan, and a fine collection of French bulbs generally. All these bulbs were in their original packages, the Japanese longiflorums were from cold storage, having been preserved in perfect condition for over ten months. Also longiflorum bulbs grown in the Azores. These are said to be as early as Harrisii, being also procurable a month earlier than the Japanese bulbs.

W. J. COWEE, Berlin, N. Y., exhibited a line of machine-made stems for florists.

DAYTON FRUIT TREE LABEL CO., Dayton, O., showed a complete line of labels. This includes labels of every description, from the smallest plant to the largest tree.

THE DEAN BOILER CO.'S (Boston) exhibit went astray en route to New York. The firm had a desk in the exhibition hall.

DETROIT FLOWER POT MFG. CO., Detroit, Mich., had an exhibition of their red pots and pans; also of their bottomless pots.

HENRY A. DREER, Inc., Philadelphia, Pa., had two tanks filled with aquatics which were very beautiful. Among those shown were Nymphae rosea, Nelumbium album striatum, Nymphaea O'Marana, N. gloriosa, N. delicatissima, N. sub-rosea and N. Zanziharensis. This exhibit was not entered for competition.

WM. ELLIOTT & SONS, New York, exhibited seeds, bulbs, implements, fertilizers, insecticides and other horticultural specialties; also palms and ferns. The exhibit covered 400 square feet, and was arranged in a hollow square with an arched entrance covered with cork bark, entwined with evergreen sprays, flanked with pillars of mushroom spawn. A number of vases of gladiolus spikes were appropriately placed throughout the exhibit with very good effect. With this exhibit were shown nikoteen and aphis punk from Skabcura Dip Co.

JOHN G. & A. ESLER, Saddle River, N. J., exhibited sections of their new hose pipe in three different grades.

EXCELSIOR PLANT CO., New York City, exhibited naturally prepared cycas leaves, Japanese moss, Japanese blue ware, including some handsome large vases.

FINLEY LAWN RAKE CO., Joliet, Ill., made an exhibit of their rotary lawn rake.

FLORISTS' EXCHANGE, New York City, had a full line of the latest works on horticulture; copies of the Special Daily Edition, and maps of New York City for gratuitous distribution.

THE FLORISTS' REVIEW, Chicago, had an exhibit of the book issued by them, Scott's Manual.

GEORGE M. GARLAND, Desplaines, Ill., had on exhibition a section and piece showing method of construction of the Garland Gutter.

SIGMUND GELLER, New York City, made a fine showing of florists' supplies, including metal designs, wheat sheaves, plant stands, fibre vases, immortelles. A large vase of red immortelles with pampas plumes and milkweed balls was very effective. Also French baskets made of wood shavings for violets and centre pieces; these were in all colors. In this exhibit was also a novelty in statice wreaths, silver and bronzed cycas wreaths.

HENRY W. GIBBONS, New York City, exhibited the standard sectional boiler, the chief points of which are the very extended flue area and convenience for cleaning.

GORTON & LIDGERWOOD CO., New York City, showed one of their side-feed boilers for hot water or steam. They also had on exhibition a placard showing sections of soft coal boilers.

THE IVES KROMSKOP COMPANY, Inc., Philadelphia, Pa., showed color photography to perfection. This exhibit was inspected by many visitors to the convention, and its value noted as a practical demonstration of the color value of them.

BENJ. HAMMOND, Fishkill, N. Y., had samples of his paints and putty, slug shot, grape dust and other insecticides.

HELLER & CO., Montclair, N. J., exhibited their unique seed cases. These are mice-proof and well adapted for florists' and seedsmen's use.

PETER HENDERSON & CO. occupy 400 square feet with a particularly well set exhibit of seeds, bulbs, jardinieres and general horticultural requisites particularly adapted to florists' use. Models of their specialties in vegetables made in papier mache are shown, and give a very clear idea of the articles represented. Florists' insecticides and fungicides, also Henderson's ball bearing, spade handled, lawn mower and horticultural books.

THE HERENDEEN MANUFACTURING CO., Geneva N. Y., showed the Furman new model boiler. A placard stated that the boiler had received "the highest award and medal of honor at the Paris Exposition."

A. HERRMANN, New York, showed metal designs, sheaves of wheat, plant stands, Cape flowers, white and colored cycas wreaths, plain and with porcelain flowers, and cycas leaves and fancy imported baskets, artificial flowers and leaves. This was a very extensive exhibit.

A. H. HEWS & CO., No. Cambridge, Mass., had a very full line of flower pots and vases; many different styles were shown in the latter. There was also a full line of seed pans.

ISAAC HICKS & SON, Westbury Station, N. Y., showed photographs of trees in various stages of removal, in which their Tree Remover was being employed.

HILFINGER BROS. POTTERY, Fort Edward, N. Y., had an exhibit of standard flower pots.

E. HIPPARD, Youngstown, Ohio, showed section of greenhouse with standard ventilating machine.

HITCHINGS & CO., New York, exhibited their well known corrugated firebox boiler; also new cast iron sectional tubular boiler; also two standard sections of even-span iron frame construction greenhouse with wood and iron construction benches. Also self-locking sash raising apparatus.

IONIA POTTERY CO., Ionia, Mich., showed a complete line of pots, pans and saucers.

ED. JANSEN, New York City, showed a complete line of baskets, including all the latest novelties in shapes and colors.

JENNINGS BROS., Philadelphia, Pa., made a display of their greenhouse specialties; their patent iron gutter, ventilating apparatus, inside drip bar, etc.

C. H. JOOSTEN made a very neatly arranged display of bulbs shown in small baskets arranged in classes. Over the table is a set of about fifty colored plates in frames, showing the blooms of the principal varieties. There is also shown here Fostite Insecticide and Joosten's Magazine Bellows and samples of fibreware vases and saucers.

W. F. KASTING, Buffalo, N. Y., had three soil pulverizers on exhibition.

WM. H. KAY, New York, exhibited a sectional boiler, a tubular boiler, fittings and hose; also pumping machine and windmill.

WM. C. KRICK, Brooklyn, exhibited his perfect adjustable flower stand.

W. C. KRICK, Brooklyn, N. Y., has a fine display of letters, monograms, etc., in immortelles; adjustable plant stand for displaying plants in a tilted position or otherwise; pot-holders, for hanging of plants, etc.

LEHMAN BROS., New York city, exhibited their wagon heaters, together with samples of fuel for same.

S. J. LIMPRECHT, New York, had a fine line of baskets, pot covers and wheat sheaves; also doves and plant stands.

LORD & BURNHAM CO., New York city, section of a modern greenhouse, including iron benches, with tile and wooden bottoms; also sectional boiler, a hot water heater, hot bed sash, patented ventilating machine, self oiling; the mechanism is inclosed, retaining the oil after applied.

DANIEL B. LONG, Buffalo, N. Y., had an exhibit of florists' photograph albums, newly designed specialties in the florists' trade, including new designs for tags, cards, envelopes and catalogues.

W. A. MANDA, South Orange, N. J., had an exhibition of gold, silver and bronze medals that had been captured for new and rare plants in previous years.

JOHN C. MEYER & CO., Boston, Mass., exhibited a complete line of silkaline, the principal tying material of the florists' trade of the country.

N. F. M'CARTHY CO., Boston, Mass., had a display of wheat sheaves, metal designs, hose couplings, wire cutters and fine Japanese chinaware for holding cut flowers.

THE MACMILLAN CO., New York, had an exhibit of books pertaining to horticultural matters.

WM. H. MOON CO., Morrisville, Pa., had an exhibit of evergreens, including retinosporas, Oriental spruce, Colorado blue spruce and others.

NEW JERSEY MOSS & PEAT CO. had an exhibit of their moss and peat.

Miscellaneous Exhibits.

POLLWORTH, C. C., CO., Milwaukee, Wis., showed the Klokner high vase flat.

THE QUAKER CITY MACHINE CO., Richmond, Ind., showed a section of greenhouse and the Evans challenge ventilating machines.

REED & KELLER, New York city, a general line of their specialty, wire designs and florists' supplies, a novelty shower bell, extension arch wedding design. The bell is pulled by a string and a shower of roses or other flowers falls on the bride. Also plant stands, sliding pedestals, rings, bars and standards, with glasses for flowers, and some beautifully lettered ribbon designs, casket cover sheaves and casket designs of various kinds.

A. ROLKER & SONS, New York city, a fine display of plant stands, baskets, cycas leaves, plant stakes, Neponset paper pots, Cape flowers, raffia, fern dishes and covers, etc.

RUSTIC CONSTRUCTION COMPANY, 19 Fulton street, New York city, had a display of rustic settees, tables, baskets, etc.

SCHLOSS BROS., New York, showed a very complete line of ribbons.

JOHN A. SCOLLAY, Brooklyn, showed samples of patent plant sprinkler, putty bulbs, and the Aeolipyle, a coal saving apparatus, utilizing the gas from the coal. It is attached to the smoke pipe, can be used where either steam or hot water heating is employed. Also the Invincible boiler, conical boiler, and patent expansion joint for pipe connecting without threads—a handy appliance.

EMIL STEFFENS, New York city, made a good showing of wire designs—wreaths, crosses, gates ajar, harps, horseshoes, etc.

STEVENS & CO., 107 Chambers street, New York, a collection of sprayers and sprinklers, including an air compression sprinkler.

STUMPP & WALTER CO., New York, showed bulbs, mushroom spawn and requisites, including many brands of concentrated fertilizers and insecticides; also hyacinth glasses, plant tubs, hose, florists' thread, plant stakes and fibre ware.

SULTAR CO., New York city, showed a line of disinfectants, oils, etc.

J. M. THORBURN & CO., New York, cover 400 square feet with an exhibit of seeds, bulbs and implements, neatly set off with small decorative plants. The exhibit included blooms of the firm's specialties and novelties: Salvia splendens, Silverspot, improved strain of coxcomb; specimens of gilt edge cauliflower, Thorburn maximum lettuces, bags of Thorburn's Lawn Grass Seed, and ball-bearing lawnmowers; also newly imported French, Dutch and Bermuda bulbs.

J. H. TROY, New York, made a creditable exhibit of bamboos, palms, etc.

VAUGHAN'S SEED STORE, New York and Chicago, showed a collection of bulbs, with specimens in glasses in bloom. The exhibit was set off with plants of nephrolepis.

THOS. W. WEATHERED'S SONS, New York, exhibited their sectional boiler, two conical boilers and two self-feeding boilers; also a section of a greenhouse, showing their new gutter, part cast iron and part wrought iron.

WHILLDIN POTTERY CO., Long Island City, Philadelphia and Jersey City, made a fine exhibit of florists' pots in all sizes, ranging from one inch to sixteen. The one inch pots were fixed with a wire and used for boutonnieres. The design, "The Whilldin Pottery Co.," was made with one inch flower pots on a green live moss background.

THE WHITE ENAMEL REFRIGERATOR CO., St. Paul, Minn., exhibited a refrigerator having the Bohn patent syphon system.

The Sander Cup

Was awarded to Julius Roehrs, of Carlton Hill, N. J.

The Horticultural Exhibition.

The judges of the Horticultural Exhibit were:

Plants.—Wm. Falconer, I. L. Powell and George Smith, of Orange, N. J.

Cut Flowers and Vegetables.—C. H. Allen, Floral Park, N. Y.; Leonard Barron and George McWilliams, Whitinsville, Mass.

D. WILLIS JAMES, Madison, N. J. (W. Duckham, gdr.), was first for group of foliage plants covering 100 square feet, consisting principally of crotons, diffenbachias, palms, dracaenas.

E. W. BLISS, Brooklyn (E. Wolz, gdr.), was second in this class. This exhibit was composed of palms, pandanus and cycas.

For collection of new and rare plants D. Willis James, Esq., was again first. These included fine specimens of Acalypha Sanderi, Dracaena Godseffiana, Geonoma Pynaertiana, Kentia Sanderiana, Kentia Forsteriana, Thrinax Jamesii and Licuala jeanenceyi, also Rhopaloblasta hexandra.

E. W. BLISS, Esq. (E. Walz, gdr.), got special prize for group coleus—a collection of very fine plants.

J. B. DUTCHER, Esq., Pawling, N. Y. (A. L. Marshall, gdr.), took second prize for six cannas, six varieties, including Pawling, red; Mrs. James Wood, Gloriosa, President Cleveland and others. G. E. Dickinson, Esq., Irvington, N. Y. (J. Boshard, gdr.), first.

H. M'K. TWOMBLY, Esq. (A. Herrington, gdr.) was first for specimen cycas, with a handsome plant. J. P. Trevors, Yonkers, N. Y. (H. Nichols, gdr.), second.

Mr. Twombly was also first for group of foliage plants covering 200 square feet, including very large specimens of Caryota urens, Cocos plumosa and others.

H. M'K. TWOMBLY, Esq., was also first for six palms, six distinct varieties.

DEAF AND DUMB INSTITUTE, New York (A. K. Petit, gdr.), first for collection of rex begonias; E. W. Bliss, Esq., third.

H. L. TERRELL, Esq., Seabright, N. J. (James Dowling, gdr.), third for group of foliage plants covering 100 square feet.

L. STEIN, Esq., Irvington, N. Y. (Thomas Cockburn, gdr.), took first for Asparagus Sprengeri.

E. D. ADAMS, Seabright, N. J. (Geo. H. Hale, gdr.), first prize specimen croton.

Group of flowering and foliage plants covering 100 square feet. First prize, Mrs. J. B. Trevor, Yonkers, N. Y. (H. Nichols, gdr.). Some very fine colored crotons were staged in this group.

For the best six distinct dracaenas, D. Willis James, Esq., Madison, N. J., was first, with Dracaena, Lindenii, D. Sanderiana, D. cantleyi, and D. Charles Dissel.

OAKES AMES, Esq., North Easton, Mass. (R. M. Grey, gdr.), made an exhibit of pond lilies and sedges.

HENRY F. MICHELL, Philadelphia, Pa., showed a plant of the new begonia Triumph of 1900, introduced by Godfrey Aschmann.

S. THORNE, Esq., Millbrook, N. Y., showed a collection of aquatics.

E. D. ADAMS, Esq. (Geo. H. Hale, gdr.), was first for group of fancy leaved caladiums.

E. D. ADAMS was second for group of foliage plants, covering 200 square feet.

D. WILLIS JAMES, Esq., Madison N. J., took first for specimen plants of Acalypha Sanderii.

WM. BROWN, Esq. (P. Riley, gdr.), Brooklyn, N. Y., took first prize for 12 Crotons. This exhibit was very well colored.

W. J. CLEMSON, Esq., Taunton, Mass. (Ed Powell, gdr.), was second for collection of hardy perennial and bulbous plants, 25 species.

D. WILLIS JAMES took first prize for collection of vegetables, 25 kinds.

W. J. CLEMSON was first for collection of vegetables, 6 kinds.

W. J. CLEMSON was first for 6 heads of celery.

The second prize for twenty-five kinds of vegetables went to F. O. Matthieson, Esq., Irvington, N. Y. (A. A. Taaffe, gdr.)

The first prize for gladiolus, 12 varieties, was captured by D. Willis James.

CHAS. A. ATKINS, Madison, N. J., took the first prize for flower garden design.

E. D. ADAMS, Esq., was second for a collection of Asters.

MRS. J. B. TREVOR, Yonkers, N. Y., got second prize for group of ferns covering 100 square feet.

H. M'K. TWOMBLY, Esq., was second for three ferns distinct.

The third prize for specimen fern went to E. D. Adams, Esq., Seabright, N. J.

MRS. CHAS. PRATT, Brooklyn, N. Y., (W. S. Rennie, gdr.), took second prize for specimen palm.

E. D. Adams, Esq., Seabright, N. J., took third prize for specimen cycas.

D. WILLIS JAMES, Madison, N. J., took first for twelve stove and greenhouse plants.

E. J. ADAMS, Seabright, N. J., took first prize in the class for six ferns dissimilar.

MRS. J. B. TREVOR, Yonkers, N. Y., (H. Nichol, gdr.), was first for three ferns, distinct varieties.

MRS. J. B. TREVOR took first prize for specimen fern with a fine plant of Adiantum Farleyense.

For the group of ferns covering 100 square feet, the first went to H. L. Terrell, Esq., Seabright, N. J., (J. Dowlen, gdr.)

JAS. EASTMAN, Esq., Tarrytown, N. Y., (Wm. Scott, gdr.), took first prize for collection of vegetables; twelve kinds.

C. N. BLISS, Esq., Oceanic, N. J. (N. Butterbach, gdr.), took second for collection of twelve varieties of vegetables.

C. C. WORTHINGTON, Irvington, N. Y. (L. A. Martin, gdr.), took third prize for 12 kinds of vegetables.

MAYOR HOPKINS, Tarrytown, N. Y. (R. Angus, gdr.), took second prize in the class for 6 varieties of vegetables.

For collection of cut canna flowers, G. E. Dickinson, Esq. (John Bochard, gdr.), was first.

In class for six dracaenas, six distinct varieties, H. McK. Twombly was second.

E. S. CONVERSE, Malden, Mass., was second for collection of rex begonias.

MAX NATHAN, Esq., Hastings, N. Y. (R. Astley, gdr.), exhibited a plant of Oncidium Krameri.

D. WILLIS JAMES, Esq., was first for three nepenthes in flower.

D. WILLIS JAMES, Esq., was first for fancy-leaved caladiums with a fine collection.

F. O. MATTHIESON, Esq., Irvington, N. Y. (A. A. Taafe, gdr.), was first for collection of asters.

MISS E. J. CLARK, Pomfret, Conn. (John Ash, gdr.), took first prize for 6 bunches of grapes in three varieties, some magnificent bunches being shown.

J. EASTMAN, Esq. (Wm. Scott, gdr.), Tarrytown, N. Y., took first for two dishes of hot house peaches. Also first for dish of same fruit. Perry Belmont, Esq., Newport, R. I. (W. Barth, gdr.), being second in latter class.

D. WILLIS JAMES was first for six varieties of tomatoes, five of each; E. D. Adams, Esq., second; F. O. Matthieson, Esq., third.

E. W. BLISS, Esq. (Ed Walz, gdr.), Brooklyn, was second for six ferns.

PERRY BELMONT, Esq., was first for three varieties of tomatoes; Major Hopkins, Tarrytown, N. Y. (R. Angus, gdr.), second; Jos. Eastman, Tarrytown (Wm. Scott, gdr.), third.

AMERICAN GARDENING, New York, showed handsome specimens of a new seedling tomato.

WM. H. S. WOOD, Esq., Greenwich, Conn. (John W. Duncan, gdr.), was first for pair of frame cucumbers; W. J. Clemson, second; Mrs. J. B. Trevor, third.

WM. ROCKEFELLER, Tarrytown, N. Y. (Wm. Turner, gdr.), was second for four bunches of grapes. The same exhibitor had also a collection of fruiting trees—apples and plums—in pots.

JOS. EASTMAN, Esq., Tarrytown, N. Y., was second for six bunches of grapes.

The Awards.

Report of the Judges.

Class A—Plants.

Robt. Craig & Son, Philadelphia, splendid lot of well-grown crotons; certificate of merit. Fine specimen Boston fern; certificate of merit.

Henry A. Dreer, Philadelphia, very fine collection of palms and ferns.

Cottage Gardens, Queens, N. Y., fine display of cannas and geraniums. New geranium "Little Pink;" certificate of merit. New dark leaf Canna "Black Beauty," very effective.

J. M. Keller, Bay Ridge, collection of palms and orchids.

Daly Bros., Granton, N. J., new pink geranium, "Paunpeck."

Wm. H. Moon Co., collection of evergreens.

Lager & Hurrell, fine collection of orchids in flower.

Bobbink & Atkins, a large collection of hardy evergreens; certificate of merit.

P. O. Ouwerkerk, well grown collection of specimen evergreens.

Elizabeth Nursery Co., Elizabeth, N. J., grand collection of evergreens and samples of deciduous shrubs and H. P. roses.

Fritz H. Dressel, fine collection of dracaenas and decorative plants.

Bobbink & Atkins, Eurya latifolia, a plant of special merit and rare in the country; certificate of merit.

Siebrecht & Sons, New Rochelle, N. Y., splendid collection of palms and decorative plants; specially noticed.

J. A. Peterson, Cincinnati, Ohio, collection of Adiantum Farleyense and Pandanus Veitchii.

Jno. F. Cowell, collection of hybrid dracaenas; certificate of merit.

A. Rolker & Son, fine collection of ferns and foliage plants.

R. Dryer, Woodside, L. I., fine collection of foliage plants; certificate of merit.

C. H. Joosten, New York, collection of palms.

H. A. Bunyard, New York, fine collection of well grown caladiums.

Thos. Roland, Nahant, Mass., exhibit of begonia Gloire de Lorraine.

Geo. Wittbold Co., Chicago, Ill., a fine exhibit of the new form of fern, namely, Nephrolepis Wittboldii.

Vaughan's Seed Store, New York, a fine lot of well grown Boston fern in all sizes.

Julius Roehrs, Carlton Hill, N. J., fine collection of palms and foliage plants, interspersed with specimen plants of Dendrobium Phalaenopsis in full bloom.

Clucas & Boddington Co., New York, collection of well grown, healthy palms and decorative plants in popular sizes.

Lemuel Ball, splendid collection of palms and decorative plants; well grown specimen dracaenas; especially noticeable.

N. Studer, Washington, D. C., fine collection of palms.

(Signed) HERMAN LIPS,
J. FRANCIS HUSS,
ROBERT HUNNICK.
Judges.

Class B—Cut Blooms.

Henry A. Dreer, Philadelphia, choice collection of double fringed petunias.

A. B. Howard & Son, Somerville, Mass., collection of new star petunias; considered fine for bedding plants; also collection of dwarf Liliputian Zinnias, considered useful bedding plants.

John Lewis Childs, Floral Park, N. Y., a large exhibit of gladioli.

Meadow Vale Farm, Arthur Cowee, Berlin, N. Y., fine collection of hybrid gladioli; awarded certificate of merit. Special mention of white gladiolus "White Lady," for splendid form, large size and perfect color.

The Floral Exchange, Philadelphia, new rose "Queen of Edgely," sport of American Beauty; awarded certificate of merit.

Henry A. Dreer, Philadelphia, fine collection of Nympheas; certificate of merit awarded for general collection. Special mention for two new seedlings, Nympheas.

Class C—Boilers.

Lord & Burnham Co., Irvington-on-Hudson, N. Y., improved No. 5; awarded honorable mention. Lord & Burnham sectional boiler, awarded certificate of merit.

Herendeen Mfg. Co., Geneva, N. Y., the Furman new model boiler; awarded certificate of merit.

Henry W. Gibbons, New York, standard steam or hot water boiler; special mention.

John A. Scollay, Brooklyn, Invincible new sectional hot water boiler; special mention. Scollay patent pipe joint for either wrought or cast iron pipe; special mention.

Wm. H. Kay, New York, Palace Queen sectional hot water boiler; honorable mention. Palace Region cast iron hot water boiler; honorable mention.

Thomas W. Weathered's Sons, New York, sectional hot water boiler; special mention.

Hitchings & Co., New York, cast iron tubular sectional boiler; special mention.

Gorton & Lidgerwood Co., New York, magazine steam boiler; honorable mention.

Class D—Greenhouse Appliances and Flower Pots.

Jenkins Bros., Philadelphia, iron gutter for greenhouses, very strongly constructed; drip bar on gutter, substan-

tially packed expansion joints; highly commended.

G. M. Garland, Desplaines, Ill., iron gutter, strong construction; the manner of supporting the gutter by means of two-inch pipes is commended.

Lord & Burnham Co., Irvington, N. Y., automatic air valve and patent pipe headers for water system of heating; honorable mention. Iron greenhouse construction and ventilating machine.

Quaker City Machine Co., Richmond, Ind., ventilating machines.

E. Hippard, Youngstown, O., new chain ventilating machine.

Stevens & Co., 107 Chambers street, New York city, cheap insecticide sprayer, made in several different forms. Very desirable for private places; honorable mention.

W. H. Kay, 42 Dey street, New York, exhibit of greenhouse hose; also ball-bearing steel windmill, bearing being on both pivot and thrust, making a very easy running mill; honorable mention.

T. W. Weathered's Sons, New York, new styles of manufacturing expansion iron gutter. New extension wire support for graperies, which seems very practical.

Hitchings & Co., 233 Mercer street, New York, exhibit of iron-frame greenhouse.

Ionia Pottery Co., Ionia, Mich., an assortment of flower pots and pans.

Whilldin Pottery Co., Philadelphia, Pa., exhibit of flower pots.

Detroit Flower Pot Mfg. Co., bottomless flower pot, highly commended for violet and fern culture.

A. H. Hews & Co., North Cambridge, Mass., fine exhibition of artistic and commercial flower pots.

Florists' Supply Co., N. Tonawanda, N. Y., sod-crushing and pulverizing machine; apparently a good, practical machine.

Dayton Fruit Tree Label Co., Dayton, O., fine exhibition of wooden labels.

Lager & Harrell, Summit, N. J., exhibition of orchid baskets and peat and moss for orchid growing.

Hilfinger Bros.' Pottery, Ft. Edward, N. Y., exhibition of flower pots.

J. G. & A. Esler, Saddle River, N. J., fine exhibition of greenhouse hose.

(Signed) C. W. WARD,
W. W. COLES,
ANTHONY WIEGAND,
Judges.

Class E—Florists' Supplies and Fancy Earthenware.

Alexander Klokner, Milwaukee, Wis., exhibit of vase stands of considerable merit.

J. A. Scollay, Brooklyn, exhibit of Scollay's Sprinkler.

Lehman Bros., New York, Wagon Heating Apparatus for heating florists' wagons, apparently a very practical device.

Finley Lawn Rake, Lawn Rake Co., rotary lawn rake, deserves special mention.

White Enamel Refrigerating Co., very practical ice box, special mention.

Rustic Construction Co., excellent exhibit of rustic baskets and stands.

A. H. Hews & Co., North Cambridge, Mass., handsome new design in earthenware urns; special mention.

Heller & Co., Montclair, N. J., mice proof seed boxes; special mention.

J. M. Thorburn & Co., New York city, one of the finest exhibits of florists' necessities.

Schloss Bros., New York, excellent exhibit of florists' ribbons.

Peter Henderson & Co., New York city, very fine display of rustic baskets and garden tools.

A. J. Cowee, Berlin, N. Y., exhibit of wired toothpicks.

Stumpp & Walter Co., New York city, fine display of wire florists' supplies.

New Jersey Moss & Peat Co., fine exhibit of Sphagnum moss.

Bobbink & Atkins, Rutherford, N. J., exhibit of Hassalt pottery imported from Berlin; special mention.

John C. Meyer & Co., Boston, fine display of Silkaline.

A. Hermann, New York, metal designs in baskets; special mention.

Ed. Jansen, New York city, finest display of novelty baskets.

H. Bayersdorfer & Co., Philadelphia, complete collection of florists' supplies; special mention.

W. C. Krick, Brooklyn, Immortelle emblems; special mention.

N. F. McCarthy & Co., Boston, Mass., florists' vases and Boston letters; special mention.

S. J. Limprecht, New York, beautiful decoration in sheaves of wheat and Mountain Laurel; original and artistic.

Excelsior Plant Co., New York, exhibit of jardinieres and plant stands; special mention.

Emil Steffens, New York, wire designs; special mention.

A. Rolker & Sons, New York city, beautiful display of cycas designs and wreaths.

Reed & Keller, New York, wire designs and adjustable iron arches; Lowpha vases and hanging baskets; special mention.

Sigmund Geller, New York, exhibit of wheat sheaves and French baskets, made of wheat and shavings; special mention.

Class F—Bulbs and Seeds.

Clucas & Boddington Co., New York city, general display of bulbs, excellent Lilium longiflorum from cold storage; very good.

Wm. Elliott & Sons, New York city, very fine collection of excellent bulbs; also extensive exhibit of grass seed.

J. C. Vaughan, Chicago and New York, excellent display of Roman hyacinths, assortment of Dutch hyacinths and tulips and Harrisii bulbs; a very creditable exhibit.

Peter Henderson & Co., New York, excellent large display of Dutch bulbs, lilies, seeds and decorative plants; a fine and extensive exhibit of superior quality.

Stumpp & Walter Co., New York city, general assortment of Dutch bulbs; very creditable display of superior quality.

C. H. Joosten, New York city, collection of Dutch bulbs and exhibit of fostite.

J. M. Thorburn & Co., New York, a fine and extensive exhibit of seeds, bulbs and vegetables and implements of superior quality.

Bobbink & Atkins, Rutherford, N. J., very fine exhibit of Dutch bulbs of superior size and quality.

(Signed) WM. PLUMB,
WM. H. SIEBRECHT,
ALFRED ZELLER, Judges.

Class G—Miscellaneous.

Wm. H. Kay, 42 Dey street, New York, complete line of boiler house tools and fixtures. A display of garden hose; especially recommended.

A. T. De La Mare Ptg. & Pub. Co., Ltd., New York, complete collection of horticultural literature.

J. G. & A. Esler, Saddle River, N. J., exhibit of garden hose.

Benj. Hammond, Fishkill, N. Y., exhibits an attractive display of slug shot and insecticides.

The Sultare Co., New York, fine display of antiseptics, disinfectants, insecticides and germicides; especially recommended.

N. F. McCarthy & Co., Boston, display of hose menders and hose couplings. Committee compliments novel method of holding down exhibits.

Henry Bird, Newark, N. J., the acme pot, a new seed pot, including an ingenious method of supplying moisture by means of capillary attraction and assisted with wicking.

The Rustic Construction Co., exhibit of a varied collection of rustic work; awarded certificate of merit.

The Finley Lawn Rake Co., Joliet, Ill., exhibit of a rotary lawn rake; awarded certificate of merit.

Geo. T. King, Nicholson's Dictionary of Gardening.

The Macmillan Co., New York, exhibit The Encyclopedia of American Horticulture and other horticultural works.

Daniel B. Long, Buffalo, N. Y., exhibit of floral photographs and advertising novelties; special mention.

Isaac Hicks & Son, Westbury, L. I., N. Y., exhibit of photographs of their tree remover, which the committee says can talk.

Jos. Kift & Son, Philadelphia, attractive display of Kift patent adjustable flower holders; also rubber capped flower tube; awarded special mention.

W. C. Krick, Brooklyn, N. Y., exhibit flower pot handle and hanger; a very useful device.

Snap Shots.

President Wood, in his address, called attention to the paucity of the funds in the S. A. F. treasury. The S. A. F. seems to have reached a point where Ben Franklin's maxim applies: "A penny saved is a penny earned." The maxim, in this instance, might be modernized to read, "Spend less, earn more," or, what is better, devise some means whereby the S. A. F. treasury might be replenished.

Co-operative purchase by the S. A. F. through sub-committees of the Florists' Club might be practical.

Murray Hill was headquarters.

Among the faces that we missed in the great 1900 convention is that of the genial "Canna" from the banks of the great father of waters. He is the Pooh-Bah of the Iowa K. of P., and his official duties prevent him from joining the members of the S. A. F. in their annual merry-go-round.

The secretary of the Florists' Hail Association says he was treated to the roar of a hailstorm that passed three miles to the eastward of his domicile last Saturday; Pearl River was the scene of destruction.

The patriarchs in the Chicago push: Edgar Sanders, age 73, in Chicago since 1857; Samuel Garland, age 70, in Chicago since 1845; George Wittbold, age 67, in Chicago since 1857.

The ex-presidents present were E. G. Hill, Wm. R. Smith, James Dean, Adam Graham, W. N. Rudd and W. F. Gude.

The carriage drive was a great success, and Chairman Walter F. Sheridan of the reception committee scored his first success.

President Wood's reference to holiday prices of cut flowers was timely, and was needed, as a public refutation of the many fake stories that at various times have been foisted upon the public.

The Florists' Hail Association bobbed up serenely with 934 members, 13,025,762 square feet of glass insured and a reserve fund of $7,526.87, and an emergency fund of $5,896.57.

W. N. Rudd, extensively decorated with Buffalo badges, was several times mistaken for the Shah of Persia.

President O'Mara of the New York Florists' Club has reason to be proud of the success of his lieutenants who have assisted him in managing the convention. The successful general deserves great credit for putting the right men in the right place.

Mr. C. W. Ward, as a press agent, was a dandy. With typewriter assistance he had everything in shipshape for the newspaper men.

And the horticultural exhibition, what a magnificent display! Seldom have we looked upon its like. Manager Herrington is to be complimented on such a successful culmination to his efforts.

Julius Roehrs and others who have donated plants, etc., for the decoration of Convention Hall, stairways and vestibule deserve special thanks for the liberal manner in which they responded to the calls of the committee for decorative material.

J. D. Carmody, he who halleth from Posey County, gave florists who intend to build greenhouses solid chunks of information. It might be well to say that the essay was not in Posey County orthography.

E. Haentze, of Fond-du-Lac, Wis., is one of the old-timers present. Last year Mr. Haentze lost $160 and was lucky enough to find it again. This year his pocketbook is buttoned up and strapped fast, locked and barred.

Lewis Ulrich, of Tiffin, Ohio, is one of those prosperous florists who is enlarging his establishment every year.

Albert M. Herr, treasurer of the Florists' Hail Association and secretary of the Carnation Society, is one of the most unassuming men in the convention. Treasurer Beatty of the S. A. F. O. H. is a good second. This modesty is no doubt due to the influence of the two estimable ladies whom they have selected as their partners in life. No bouquets, please.

Lecturer Carmody, with a map and rod, was the veritable type of a Posey County "skule marster."

President Woods' co-operative scheme was hit on the head by an especially long and strong club from an especially long-headed and far-seeing man.

There is nothing narrow about Rudd, of Chicago. He is capable of wearing a Buffalo badge, multiplied indefinitely, and still voting for Chicago.

The vote on location of next year's convention was the most exciting episode of the convention.

Ex-President Graham is still the same "Old Adam."

Joseph Heacock, the Man of Palms, from Wyncote, Pa., is the new man on the Hail Association's Board of Directors.

J. C. Vaughan, the firm friend and admirer of Michael Dooley, is ever on the wing, but he yesterday found that it was impossible to be in two places at the same time. This is about the only thing Mr. Vaughan ever failed to accomplish.

Mayor Seldewitz, of Annapolis, is a good type of political florist. He left the political portion of the outfit at home, and is now what we have always known him to be—one of the jolly, good florists.

The vaudeville show was a laugh-and-grow-fat affair. Those who are disposed to look upon the entertainment as being a trifle loud must remember that they are in Greater New York, and not in an interior Presbyterian town.

The critics who are always shouting "What can be learned at an S. A. F. meeting," ought to have been present to hear "Kift's lecture," and see "Kift's pictures." They could have learned how to put up an up-to-date decoration instead of being back numbers.

Henry Eichholz rooted for Buffalo by printing his circulars, headed by a line, "Vote for Buffalo."

Edwin Lonsdale's presence at the Convention was greatly missed. Many and frequent were the expressions of sympathy heard about this genial man on his recent very sad bereavement.

A Hard Tackle to Get His Hard Tack.

The genial treasurer of the New York Florists' Club, "Our Charlie," had an exciting experience at Glen Island, Thursday, which is worth relating, as showing the excellent order prevalent at the dinner in that well-regulated resort.

When asked to show his ticket at the dining room door, Charlie had not one in his possession and called upon Alex. S. Burns to prove his identity. Mr. Burns, however, could not make it clear to the manager, as he himself was not known. Finally Chairman W. F. Sheridan was found and through his instrumentality Charlie got his dinner.

Carmody's Flashings.

Always go to a bachelor for a pin, and to a nigger for a match.

An automobile will not drag from its place a post set in water lime cement. There is nothing like water lime cement as a preservative for wood.

In speaking of the gutters, showing an inside width of seven inches, he said: "All florists have not small feet. Many are of the claw-footed variety, and oblong. Of course, it is a good thing to have in soft ground—you don't go down so deep." (Laughter.)

In describing the cap at the ridge of the house, "it shuts like a lid," he said; "like one of those chests many came over from the Old Country with—my friend Coles, and some of those other foreigners. Great Scott came over with his box, too." (Laughter.)

After explaining the position of the rafters, he remarked, on taking a drink of water, "I am not altogether a windmill—I run by water a little. I drink to your health." (Laughter.)

A drop in boiler grates on Thursday resulted in a damaged shoe and sore foot on one of the heating experts.

What I Think I Know About Greenhouse Construction

Paper read by J. D. Carmody, of Evansville, Ind., before the Society of American Florists, New York; August 22, 1900.

To attain the best results in any branch of industry the best methods must be employed. Especially is this true of plant culture under glass. Never until good houses were constructed was it possible to grow such roses and carnations as now gladden the eyes of



J. D. CARMODY.

mortals and make the business of floriculture a financial success. But it took many years to attain the perfection in plant houses which enables the florist to produce these perfect flowers. Those of us on whom time has carved fantastic wrinkles and ornamented with silver locks can well remember the makeshifts, the dugouts, heated by brick flues, that were dignified by the name of greenhouses. They bore the same relation to the present commercial houses that the stage coaches of that day do to the present railroad palace cars. The progress of transformation was exceedingly slow from the fact that not every one who has the requisite ability to grow good flowers possesses also the mechanical genius to plan and build a structure especially adapted to their best development. And it was only when the florist and mechanic combined their efforts, resulting in greenhouse building becoming a special industry, that perfection in floriculture under glass was approached.

Be it understood I am not writing this article for those who are able to employ the specialist to place the house in position ready for occupancy, but rather for those of moderate means who go into the business of growing flowers for the love of them, and with a desire if successful to make a living by their production.

I desire also to assist the vegetable grower to put a roof of glass over his lettuce and cauliflower, and relieve him of the inconvenience of the cold frame and hot-beds which are now rapidly giving way to plant houses.

The ordinary village carpenter has not the first correct idea as to the construction of a plant house, but if furnished a few sectional drawings and watched by the gardener who has seen or read up on some structures, a great many mistakes can be avoided, and greenhouses can be put up by home labor and out of home material, and the proprietor by doing a share of the work can save not a little of the expense. At the present time, thanks to machinery, the sash and sash-bars can be gotten from the factories fully as cheap and in better shape than formerly, and I would advise proprietors to patronize greenhouse builders to that extent.

The first thing in building a greenhouse is to have the ground to put it on, and right here let me say if possible have a deed for the ground before you commence building. You may think the price too high, but you may be sure, as a rule, the improvements you put on the ground will not reduce the value. If the ground selected is on the outskirts of the city, as it should be, in a short time the city will build out beyond the location, and the price will go higher rather than lower. I know of many florists who, by the sale of their greenhouse property late in life, were able to retire with a competency, making more out of the rise in real estate than they saved in all those years of labor by the sale of plants and flowers.

I would not advise to build in a city among high buildings or near smoky factories. A leaking gas main will in a few hours ruin a house full of plants. (The writer has experienced loss in this way.) In an atmosphere of dust and smoke good flowers cannot be grown.

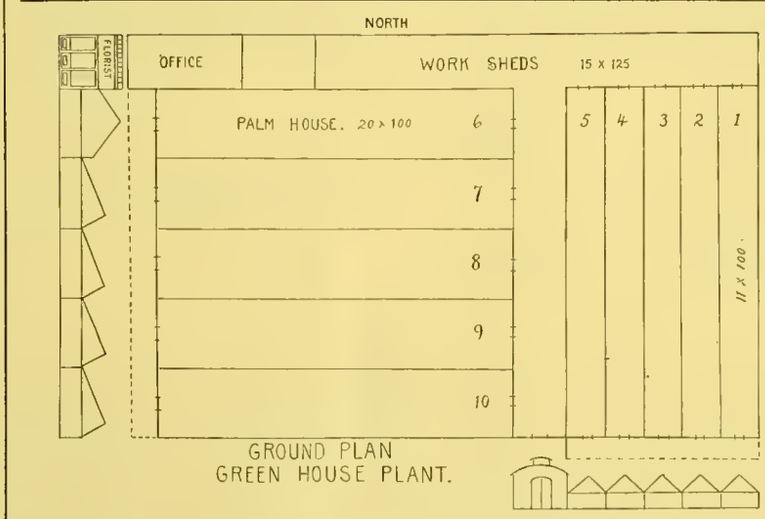
Locate your house so that it cannot be shaded by anything, and if you have several houses locate them so they do not shade each other. Nothing is so desirable in growing cut flowers as clean glass and sunshine.

In drawing your ground plans study convenience of getting your fuel dropped from the wagon directly beside your heat generator. Do not have a deep cellar for your boiler or fire-place, as it makes it inconvenient to get the ashes away.

On the character of the plants intended to be cultivated largely depends the plan of the houses, and by all means settle on a plan and have a complete drawing of same, both ground plan and sectional, before commencing the work.

Most persons starting in this business expect to increase their range from time to time as occasion demands. Therefore, the first house should be located so that it can be enlarged or built by the side of and remain as part of the plant without remodeling. If it is desired to grow principally bedding plants at the start, I would recommend the houses to stand with the length north and south.

The first thing to build on starting a greenhouse is a shed not less than fifteen feet wide and as long as the plant house is in width; this will furnish a workshop and shelter to keep the new lumber dry and a place to paint the material before it is put up. (See diagram.)



GROUND PLAN
GREEN HOUSE PLANT.

I will now call your attention to this diagram as a ground plan of a range of houses I would build were I to embark in business to grow a general assortment of plants and cut flowers and had an open piece of ground.

Here we have the first shed located along the north side of the plant, with a range of five glazed houses opening into it from the south. These houses are 11x100 feet each.

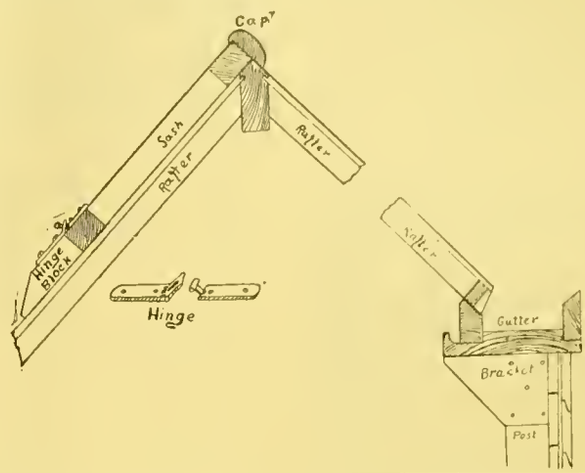
Now, we will suppose the plant, as you see it here laid out, represents several years of moderately successful labor of the new beginner, who, years ago, bargained for one or two acres of ground in the suburbs of the thriving city of Poseyville, Posey County, Indiana. He had worked in a grocery store for several years and handled flowers for the proprietor, who sold them for a florist on commission. By handling these he got a liking for flowers, and finally decided to go into the business. Having little money, but a good deal of sense, the first year he built 50 feet of houses, Nos. 1 and 2, and the potting shed across the end as a beginning. He bought sash and rafters ready made from the planing mill, and with the help of a carpenter for a few days put up the houses, doing the glazing and most of the work himself. Not having the price of a boiler and pipe, he resorted to the cheaper method of brick flues under the benches for the first year.

Having good success, the next year he builds fifty feeet more on each house and gets a few sections of a cast-iron boiler and pipes to heat by water. I recommend water heating for small places, especially as it requires less attention and holds heat longer than steam. The third year he builds house No. 3 and increases the size of the boiler by adding more sections. And so on each year he adds more plant space until, finding a greater demand for cut flowers, a different style of house is needed, also a different aspect, as good roses and carnations require more sun. A house for their growth should be so located as to get all the sun rays possible, so he changes the houses to stand east and west, and No. 1, 20x100 feet, with shed to cover entrance, is his next labor.

Providence, in the shape of industry, economy and good management, favoring him, he finally has this plant complete without the loss of a single house by mistake of location or error in construction—a thing that seldom occurs with new beginners.

Having completed the plant, the new beginner will proceed to explain some of the whys and wherefores of the construction. He built two 50-foot houses at first, instead of one of 100 feet, because, having to use flues to heat with, they give better satisfaction than if the houses were 100 feet long.

The houses are 11 feet wide, to allow a center walk of 3 feet, with 4-foot side benches. The walks in most single houses are only 2 feet in width, which is too narrow for comfort and convenience. The shed should not be less than 15 feet wide, the roof not high and nearly flat, with a tin or tar paper covering; 16 feet boards will make the roof. The shed is at the north, first,



not to shade the houses and, secondly, to protect from cold northerly winds. The office is put at the corner as nearest to the thoroughfare, the cut flower room in the rear of office for convenience.

Having laid out our ground plans we will now proceed to construct our houses. The first step after building the shed is to set the posts for the side walls. These should be set not more than 6 feet apart (4 feet would be better) and be made of material least subject to decay. I have found red cedar the best of all woods. I have also used catalpa, chestnut, locust and heart of white oak with good results. If the posts are charred on the lower end when they go into the ground, it will add many years to their existence; or if after the post-hole is half filled with earth properly rammed, the rest is finished to the ground level with a grout of one part water lime cement and three parts sand and gravel, it will save from rot for many years. The ingredients should be mixed dry, and wet up in batches for each post-hole. This cement will also keep the posts firm in position. After the posts are set in a line and the cement is hardened (if cement be used, which is highly recommended), measure up from the ground level about 4 feet on the middle post and from 3 to 6 inches lower at one end, and the same space higher at the other, so as to give the gutter a pitch of from 6 to 12 inches in 100 feet toward the end where you wish the water discharged; then stretch a line tight and tack on two horizontal lines of very straight boards to conform with this line, one on the outside and one on the inside of the line of posts. Then saw the top off the post just at the top of these boards. These strips form a rest for the saw and are a gauge to cut by. They also stiffen the posts, so that they do not work loose and get out of line in the sawing. Now, on top of the posts, spike on the bottom of your gutter. The best lumber should be used here, and be sure there are no sappy places in it. Clear cypress is good, but if the redwood of California can be obtained it is more durable, though in absence of either, white pine, free from sap, if kept painted, will last many years. We will call your attention to this drawing, which shows a style of gutter which gives me the best satisfaction. This is a full size cross section sketch with the dimensions as follows:—

Full width of gutter bottom 12 inches, thickness when dressed 1⅞", gutter sides 1¾" space between 7", depth inside 3". Bevel top edge the same as the sash bar, the lower end of which is tacked on top of gutter sides, and space between the sash bars is filled with a block, on top of which the lower light of the glass will rest. We prefer to have the sash bar lay on top of gutter

rather than be tacked to the side, as many do, from the fact that this way is stronger and the bar will last longer. Furthermore the drip water will run outside the house through the grooves in the sash bars. No; it will not let in the cold air, for, when freezing, this small apperture will close up with the ice. Sash bars tacked to side of gutter have nothing but the small nails and the narrow ½ inch pasting between the glass to hold the lower end up. Again, the water of condensation running down keeps the end of the bar wet, and the nails will rust out and the bars soon get rotten. You will notice the bottom of the gutter is philistered out to receive the side pieces, which are spiked on from the side, and also from below, while the outside edge is left standing, forming a gutter to catch drip and conduct same out along the main gutter. We show an outside wall and water table, also valley gutter for the latter. We deem it best to spike on cross heads of plank 2" thick by 6" or 8" wide to better support the wide gutter. The differently constructed outside wall will not need this extra member. If desired the outer wall can be made with gutter, omitting the narrow gutter shown in the other sketch.

The side walls should be constructed with two thicknesses of board lumber with tar paper between. The inside lumber may be of common rough boards, while that outside should be of dressed flooring, tongue edge up, or, what is better, what is called ship-lap lumber, as shown in the sketch. Good weatherboard, the same as is used on frame houses, may be employed when other material is not obtainable. If it is desired to make a nice finish, stamped sheet iron representing brick work may be used. This should be well painted inside and outside, and frequently coated outside to prevent rusting. In fact, paint is a good thing to have about a greenhouse, and every joint in constructing should be painted before putting together and each year some portions, particularly the gutter, should be looked after with a view to painting if needed.

We now call your attention to the gable construction. You will observe the top of ridge pole is just flush with the top of the sash bars or rafters and comes to a ridge in the center, conforming on both sides to the pitch of the house.

The ventilating sash rests on top of the sash bars, or rafters, as the case may be, and the top rail is shaped to conform to the slope of the opposite side of the house. Now, on top of the sash is spiked or screwed a cap piece as shown, which shuts over the ridge pole, making the joint air and water tight when the sash is closed.

The sash is hinged at the bottom to a tapered block shown here and elsewhere of same thickness as the sash, and spiked or screwed on to the sash bars or rafter and header, close up against the lower edge of the sash.

My sketch shows a full side view of a section of a well-built 11-foot house.

In a house of this size we prefer to use glass 12 or 14 inches wide, and every fifth sash bar is of extra size. These are of same thickness as the other, but 2 inches wide, and extend from the gutter to ridge pole. Between these sash bars or rafters is fitted in a cross header and the lighter sash bars, 1¼ inches wide, extend only from the gutter to this header, leaving an open space when the sashes are lifted.

In a house 20 feet wide, and larger, I would use a rafter 2x4 to every fifth row of glass, in the same manner as here shown. The joints between the sash will come over this rafter.

My reasons are: This plan makes a much stronger house than to have all the sash bars extend to the ridge pole, and it is no more expensive, for the material in the sash bar that in the other plan is hid under the sash, will more than pay for the extra size of the rafters. Again, you have the full space of the open sash for ventilation, and less shadow. Where the sash bars are long, I bore an inch hole through these rafters, where support to the bars is needed, and run a ¾-inch pipe through the length of the house; this stiffens the whole structure and supports the sag of the bars better than a wooden purlin.

I advise the center posts to be of 1½-inch pipe as looking neater and being more lasting. One every 10 or 12 feet is sufficient, but never be without them if the house is more than 11 feet wide, and even in this size it is a good plan to set up every 25 feet a ¾-inch pipe each side of the walk under the heavy sash bar, or, better, bend the pipe into an arch and let the ridge pole rest on the center of arch.

If iron pipe is not obtainable, use 3x3 oak or cedar posts. All posts should rest on a firm foundation, like a flat stone, or a square of artificial stone, made by digging a shallow excavation at the desired place in the ground and filling same with water lime cement, gravel and sand, same as used in setting the posts. Set a spike up endways in the center of this concrete, and when solid the spike will serve to hold the bottom of post in position, be it iron or wood.

If of wood bore a hole in bottom of post and set it over the nail.

The outward pressure of the roof on the sides of the building is very great, and without center support the ridge pole will in time sag down and the sides bulge out.

We advocate ventilating sash about 3 feet deep up and down the roof, hinged at bottom, and continuous, being bound together at the top as shown in illustration, for several reasons:

First, in union there is strength. Secondly, it gives ventilation without draught from side currents that blow in when single sash is used. Thirdly, when hinged at the bottom they are easier raised, as there is less weight on the lifting appliance.

In houses running east and west the sash should be located on the south side, because, when open, the sun will still shine through the glass instead of directly on the plant, which is a great advantage when the house is shaded.

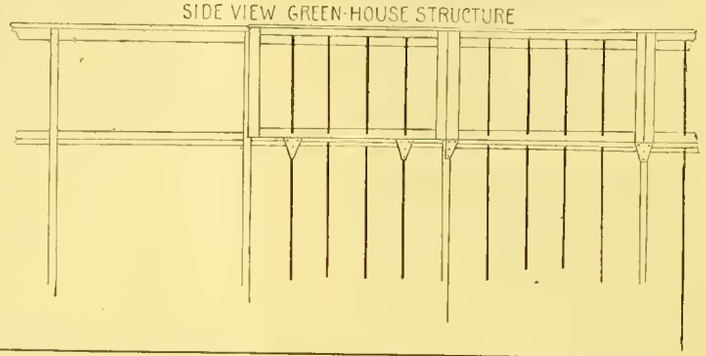
If the house stands north and south, put sash on west side. If sash opens at the bottom, cold winds and scorching sun rays have direct access to the plants when the sash is open. Without an appliance of some sort that will lift a number of sashes with one operation, continuous sash cannot be used, but whether sashes are single or continuous, I contend there is nothing about a greenhouse more useful or that pays for itself quicker than a ventilating appliance. To open and ways in the centre of this concrete, and close sashes by hand, one at a time, is a tiresome and vexatious labor, and takes much time that could be better employed.

With a machine, air will be given and taken off when needed, and not put off on account of a lack of time, and at all times the sashes are secure from being blown open or off the house, resulting in expensive destruction that shows poor economy in doing without the much needed apparatus.

You will observe in the ground plan of the plant I have some of the 20-foot houses constructed on the long slope to the north. I have done so because it is the only way to avoid one house shading the other, when high houses stand east and west and are close together. This plan of building is recommended by some of the best florists in this country who grow cut flowers of superior quality. My own experience is limited, but I am willing to be guided by such men as Fred Dorner, C. W. Ward, George Miller and many others who give their testimony in favor of this method.

Now, as to the better way to put in glass, butt or lap, I have proof that it largely depends on the pitch of the roof. If steep, say, for instance, on the short span south side, butt the glass; on the long and flatter slope, lap it. As to details of puttying or not puttying, caps over the sash bars to hold in the glass or no caps, we will leave everyone to decide for himself.

SIDE VIEW GREEN-HOUSE STRUCTURE



There are some few things in building benches that are worth noticing. If you are putting side benches in a narrow house with narrow center path, put together your benches as shown in sketch No. 1.

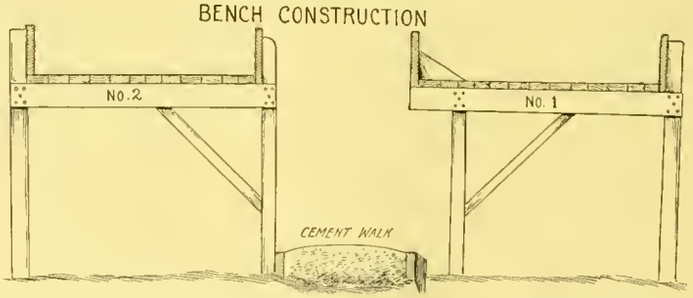
Here notice the front part sits back about 6 inches from the face of the bench; the face board is nailed to end of bed piece and bottom board. After bottom is on, a right angle bracket, 2 inches thick, is spiked down over every bed piece, and top of face board is nailed thereto.

This prevents the top of face board from warping out of shape. Always make bench frames independent of the side of the house. Some make the gutter posts answer the place of one bench post by spiking the bed piece to it. This helps to rot out the posts and damages the building. If the walk is 3 feet wide, make the bench frame as shown in cut No. 2.

The object in setting the front leg back is to give more room in the walk, so that a box or barrow may pass without obstruction. When there is room I deem pattern No. 2 the better, as the front leg extends above the bottom boards, and makes a support for the face boards. An occasional brace should be put in to stiffen a line of benches. It is generally economy to use good lumber in benches. I have found a coat of water lime cement applied every season inside the bench to be a great preserver of the wood and to keep sow bugs away. Mix cement with water and apply with a whitewash brush. The bottom boards should never be more than 6 inches wide, and if used for planting in 3-inch slats a half-inch apart are better.

One of the best evidences of a thrifty gardener or successful florist is a neat, well kept greenhouse, the walks of which are a very important part. Wet and muddy walks should not be tolerated and need not be, when by adopting the following directions good pathways may be had at a small outlay of money and labor:

BENCH CONSTRUCTION



First, level the walk and on each side lay a line of 2x4 inch scantling, fill in between with cinders and coal ashes saved from the winter's firing; pack down until within 1 inch or 1½ inches of top of scantling. Fill the remaining space with a mixture one part water lime cement and three parts sand or sifted coal ashes, wet up into a stiff mortar, round up in center, and smooth off with a trowel, using a thin layer of dry cement on top; sprinkle with water while slicking over. This walk will last as long as the house and be a joy for a lifetime.

I would not advise to build houses of any width between 11 and 20 feet, say 12, 14, 16 or 18 feet, for the reason that any size over 11 feet will require two walks to properly care for the plants. Having these two walks, it is a waste of glass if all the bench room possible to reach comfortably is not provided along these walks. A 4-foot bench is as wide as the average man can properly reach over, and is about the proper width. Now, in a 20-foot house there should be 8 feet of bench room in the centre and 4 feet on each side, with two walks, each 2 feet wide, making a total of 20 feet in the clear, and less will not be economical.

Greenhouses, like other buildings, are each year subject to changes and different methods of construction. Some are improvements, while others may not be. We now have iron frames, iron pipe benches, with tile or slate bottoms, iron gutters, all of which are good in their way if one has the money to buy them, but the poor man will always commence business in wooden structures, and for this class I have penned these instructions, and if they benefit or aid any fellow-being I am fully rewarded for the labor spent.

Discussion.

On motion of W. W. Coles a vote of thanks was tendered to Mr. Carmody for his interesting paper.

Mr. Scott, in discussing the paper, said: I think Mr. Carmody will not object to a few criticisms of his paper. He said when he got to the serious part of his paper he would leave out all the jokes. But I am glad to say he did not. He also said "string a line one hundred feet." I have never seen any line by a builder that was ever strung one hundred feet in a true line. There is a much better method than that. My plan is to get a twelve foot straight edge that is absolutely straight. Level it at the end of the house, then sight along it to the further end, and that you can get to a fraction of an inch to a dead level; then you can either rise or fall as you like.

I also object to the rise of six inches. If the house is heated with steam it may make but little difference, but if heated with hot water it is an inconvenient rise, especially if down hill.

I also do not like that piece Mr. Carmody puts up between the bars. He described to you the bar on the edge piece of the gutter and that necessitates an additional piece being tacked on to the gutter. Now, that is a bother and a nuisance, and if there is any place a house will rot, it is where there is a joint.

Mr. Carmody also spoke of the long slope to the north. There may be some good cultivators who adopt this house yet, and you have only to go to Toronto to see Mr. Dunlop's and those of the late lamented Harry Dale, who had a number of those houses; but I have them side by side, and I hope nobody will adopt that plan. To me the equal span is the house.

I recommended water lime many years ago. If used on new lumber it will lengthen the life of the lumber double the time.

Mr. Carmody recommends 20 feet for the width of a house. This is a most inconvenient width to make a house. With two side benches an 18 foot house is more convenient or a 22 foot house with three benches. I either build 22 or 18 feet.

J. L. Dillon—I wish to emphasize one thing Mr. Carmody brought out in reference to the fact of buying your land and getting your deed. This renting of ground I do not believe in. I believe every florist ought to buy his land, getting it near a town that is growing. He is sure to get a good income from his investment.

Exhibition Echoes.

J. P. Cleary made a very efficient manager. The work to be accomplished was a heavy task and called for much tact and executive ability. Mr. Cleary was equal to all emergencies, however, and this, the greatest trade exhibit ever put together, was steered in straight lines by our popular auctioneer, to whom great credit is due.

A. Herrington is also to be commended upon the efficient manner in which he engineered the horticultural exhibition.

The very fine specimens of rhapis that graced the stage in Convention Hall, were kindly lent by David Clark & Sons, the up-town florists.

Siebrecht & Son were also generous in lending fine plants for use in the Convention Hall.

The American Carnation Society.

This Society met at 4.30 p. m., ex-President Wm. Nicholson in the chair. Suggested subjects for essays for next meeting were the principal themes for discussion, and the following were selected:

Hybridizing Carnations—Essayist, Peter Fisher, Ellis, Mass.

A Discussion on the Naming of Carnations, by some member to be selected by the president of the Society.

The secretary was instructed to write Mr. Albert F. Woods, of the Division of Vegetable Physiology and Pathology, Department of Agriculture, Washington, asking him to give a talk on the results of his recent investigations with the carnation or any other subject that might suggest itself to him.

Mr. E. G. Hill, Richmond, Ind., will be asked to say something on "Carnations Abroad," as seen on his recent European visit.

John Cook, Baltimore, will be asked to write a paper on "Hybridizing the Marguerite and Remontant Carnations," and Mr. Eisele will also be applied to for one on the same subject.

A practical demonstration of how to take cuttings, how to cut and pack flowers, and, possibly, a paper on cool rooms for storing carnations, will occupy the attention of the delegates at the Baltimore meeting, in Februrary, 1901.

Florists' Hail Association of America.

The annual meeting of this association was held at 4.30 p. m., E. G. Hill, vice-president, presiding. Elected: Stephen D. Horan, Bridgeport, Conn.; William F. Dreer, of Philadelphia, and Joseph Heacock, of Wyncote, Pa., directors.

The secretary reported an aggregate insurance upon 13,025,762 square feet of glass. He also reported cash balance on hand of $6,823.44, and the total reserve fund as $7,526.87. Upward of 74,000 square feet of glass, last year, broken by hail, was paid for by the association during the past year.

At a meeting of the directors, J. C. Vaughan, of Chicago, Ill., was elected president; E. G. Hill, of Richmond, Ind., vice-president; John G. Esler, of Saddle River, N. J., secretary, and Albert M. Herr, of Lancaster, Pa., treasurer.

Report of the Secretary.

On the first day of August, 1900, the 934 members comprising the Florists' Hail Association of America insured an aggregate of 13,025,762 square feet of glass, subdivided as follows: 3,130,059 square feet of single thick; 6,908,043 square feet of double thick; 137,282 square feet of single thick at extra one-half; 326,107 square feet of double thick at extra one-half; 740,917 square feet of single thick at extra whole, and 1,783,354 square feet of double thick at extra whole.

The receipts for the year ending August 1, 1900, have been: From liquidation of Du Page bonds, $1,000; from tenth assessment, $7,400.53; from new business as per treasurer's report, $2,260; from interest on investments, $259.06; from re-insurance of glass broken by hail, $79.55. Total receipts for the year, $10,999.14.

Disbursements for losses for the year have beeen $5,570.42; for expenses, $1,340.16; investment on account of reserve fund, $1,600, making a total of $8,510.58.

The cash balance on hand at the close of the year is $6,823.44, of which $926.87 belongs to the reserve fund and $5,896.57 is available for use in the emergency fund. The reserve fund of the Florists' Hail Association now consists of $6,600 invested as per treasurer's report, and $926.87 cash in hand. Total reserve fund August 1, 1900, $7,526.87.

Fifty-six thousand four hundred and fifty-two square feet of single thick glass and 18,104 square feet of double thick glass belonging to insured members has been paid for during the past year.

A careful study of the appended table will prove interesting:

STATES.	No. of hailstorms from June 1, 1887, to August 1, 1901.	No. of losses paid from June 1, 1887, to August 1, 1901.	No. of hailstorms for year ending August 1, 1900.	No. of losses paid for year ending August 1, 1900.
Maine	3	..	..	..
Vermont	3	..	..	..
New Hampshire	4	1	..	..
Rhode Island	3	..	..	..
Connecticut	6	1	..	1
Massachusetts	9	..	..	..
New York	70	8	9	1
New Jersey	45	8	7	3
Pennsylvania	46	23	6	1
Delaware	2	1	1	..
Ohio	40	31	3	3
Indiana	12	5	1	1
Illinois	54	38	6	4
Michigan	12	4	..	..
Wisconsin	21	22	2	3
Minnesota	19	11	1	4
Iowa	36	45	7	10
Missouri	38	60	3	2
Kansas	39	61	1	2
Nebraska	27	32	8	7
Arkansas	2	..	..	..
Colorado	27	32	5	10
North Dakota	6	1	..	..
South Dakota	8	4	..	..
Montana	1	..	..	..
Wyoming	3	3	..	..
Maryland	8	3	2	..
Virginia	2	1	..	..
West Virginia	11	3	..	..
North Carolina	3	..	..	..
Kentucky	7	2	..	..
Georgia	3	..	..	..
Texas	5	1	..	..
Louisiana	2	..	..	..
Tennessee	1	1	..	..
Florida	1	..	..	..
Mississippi	1	..	..	..
Oklahoma Terr'y	6	7	1	1
Indian Territory	1	..	..	..
Dist. of Columbia	4	..	1	..
Canada	2	..	..	..
New Mexico	2	2	1	1

The secretary especially requests that members furnish him with information concerning all hail storms in their vicinity, whether they are personally interested or not, as such information will materially assist in the compilation of statistics.

The Florists' Hail Association of America during its thirteen years of existence, has won an enviable reputation for prompt payment of claims, and straightforward dealing, and both officials and members have reason to feel proud of its present financial and moral standing.

Chrysanthemum Society of America.

The annual meeting of the Chrysanthemum Society of America was held Wednesday afternoon in Grand Central Palace, E. G. Hill in chair, E. A. Wood, of Boston, acted as secretary pro tem., in the absence of Elmer D. Smith.

The secretary's report, setting forth the varieties certificated by the society last year, a list of which already has been published, was adopted.

The following gentlemen were elected officers for the ensuing year: President, Arthur Herrington, Madison, N. J.; vice-president, Eugene Dailledouze, Flatbush, N. Y.; secretary, Edwin Lonsdale, Philadelphia; treasurer, John N. May, Summit, N. J. Mr. Smith positively declined to stand for secretary again, and a vote of thanks was given him for his efficient services on behalf of the society during the seven years he has been its secretary.

The society decided to donate to the National Chrysanthemum Society of France the sum of $25 to be used toward securing a suitable trophy to be competed for at the forthcoming chrysanthemum show of the French society, to be held in Paris this Fall.

It was also decided to offer a cup, value not exceeding $20, to be offered for the best ten blooms, new or old, at the exhibition in Chicago this Fall, to be given under the auspices of the Chicago Horticultural Society, the judges in this competition to be appointed by the Chrysanthemum Society of America.

The society also voted that the president of the Chrysanthemum Society of America be permitted to appoint committees to pass on seedling chrysanthemums each year without any of the restrictions thereanent that have prevailed. The committees will inspect seedlings at the same five cities as heretofore.

The following communication from S. J. Mitchell, of Texas, was read and ordered acknowledged.

We publish Mr. Mitchell's letter, and although the subject is outside the province of the Chrysanthemum Society of America, the suggestions contained in the communication may be of service to local societies holding exhibitions:

Elmer D. Smith, Esq.—

Dear Sir: I have for a long time been of the opinion that a scale should be formulated for the judging of emblems, designs, etc., and as yet have not learned that the Society has adopted any.

I will have to act as judge at two shows in Texas this year and do not consider my work as authentic unless it is in line with your Society. For this reason I will submit a scale for the consideration of the Society, which, if it meets with approval, I will use this year; if not, please send me a scale authorized by the Society.

Suggested Scale.

EMBLEMS.

	Points.
Originality of Conception	30
Mechanical Construction	10
Finish and Artistic Effect	30
Quality of Material	10
Adaptability and Color Harmony	20
Total	100

DECORATIONS.

	Points.
Excellence in Mechanical Execution and Construction	15
Finish and Artistic Effect	40
Quality of Material	15
Adaptability and Color Harmony	30
Total	100

Several new members joined the society at this meeting.

The Jansen Reception.

At the reception tendered by Ed. Jansen, at his warerooms, 112 West 18th street, to visitors of the convention, which commenced at 2 and lasted until 7 p. m., there were several hundred people who enjoyed the hospitality offered. Refreshments were served and a Hungarian orchestra enlivened the collation with sweet music. The many ladies among the visitors were well taken care of by Mrs. Jansen.

During convention week, H. H. Berger & Co., 47 Barclay street, had a special display of bulbs at their offices, where they have welcomed visitors and sent them away with free samples of the stock and other good things as souvenirs.

Euclid, Ohio.

The Cushman Gladiolus Company has purchased a tract of land embracing 106 acres at Sylvania, near Toledo, Ohio. This is new soil, admirably adapted for the culture of bulbs of all kinds, as well as herbaceous plants. The firm proposes to enlarge its business to the fullest extent under most favorable circumstances. Mr. Cushman and wife arrived in New York Sunday night, and spent Monday visiting the gladiolus fields located at Floral Park, N. Y., and points of interest in and around the metropolis.

ENERGY AND ENTERPRISE.

ISN'T a trade paper that shows these two qualities, as the FLORISTS' EXCHANGE has during the past week, worthy of the fullest support of every member of the trade.

A Letter Home From Hubbie to Wifee.

Dear Jane:

'Tain't no use talking, New York is the biggest town yet. Why, Buffalo can't stand no chance. I'm glad I'm here; it does a fellow good to see all those new kind of greenhouses they have in the show. My, my! if we only had a little more money we'd fix our house up all right.

You know, this is a real different kind of convention than they had up in Buffalo that time; much more stylish; put on much more airs than they did up there. Last night they had what they call the president's reception. My, they did things fine. All of them big florists had on swallow-tail coats, and I thought they was going to have a kind of party, because the programme said "refreshments." Now, after they all got done shaking hands with President Wood, some feller came out and cut up on the platform just like our crazy Tom, and everybody laughed. I couldn't see why they laughed, because the man was acting so crazy, and every time he said a cuss word people would clap their hands.

I almost fergot to tell you before they had this man dress up in woman's clothes. A man named Kift from Philadelphia showed some picters about some way of fixing fine flowers for weddings.

My! there was some fine views they fixed up; but that didn't do me no harm, them picters, even if I don't get a chance to put up any like them up in our town. I got very tired of all the talk of that man in woman's clothes, hut as the programme said "refreshments" I thought I'd stay, and, what do you think? After I waited all the way after 11 o'clock a big man with a swallow-tail got up and tells the people there was to be no refreshment this evening. I was real mad. They say that man's name is O'Mara. He wants to be president. I ain't going to vote for him.

More next time. Your affectionate husband, JOSH.

(THE SAME TO THE SAME.)

Dear Jane:

It's getting finer and finer, but I got to watch out for myself. My! my! they do drink down here! Why, don't you know, Jane, that man that comes along and sells us some bulbs and seeds from down East; you know he was always such a nice, quiet man, and said he didn't drink a drop. He's real different down here. I saw him last night in a very bad way. I went in the place where they hold the Convention to hear some of the men say something about the business; I only heard one man say something about greenhouses; but then they voted on the place to go next year. They made speeches and read dispatches and don't you know, that man Scott from Buffalo, he got up and talked the most. He wanted the Convention to go to Buffalo. My! my! He must he awful anxious to have it there. I wonder why that is? Well, you can go to see the Convention next year, then it won't be far from home.

I got some cream and cake all right last night. I saw the fellow come in with the things. I watched for him, and then I got a front seat and the waiters brought me the refreshments all right. This is the biggest kind of picnic I have ever been to, they are always on the go, but you don't hear them talk much about any flowers. I thought at a florists' convention they would talk about flowers, but, my! my! Jane, they talk about awful things sometimes.

People don't go to bed here at all, for they are always on the street. I looked out of my window and saw them all times of the night. I couldn't sleep, they make so much noise, the street cars!

You ought to see these big florists, they look like real rich men, wear diamonds. I wonder whether they are all so rich as they look?

Will write again. Going on an excursion to-day. Your good husband, JOSH.

The most unkindly cut of all—police headquarters notified the Boat Committee that they would have representatives on the trip, although this was only customary on Sunday school excursions!

National Florists' Bowling League

ANNUAL TOURNAMENT.

At Palace Alleys, 125th Street and Third Avenue, New York.

The National Florists' Bowling League held its meeting on Thursday afternoon on the boat going to Glen Island. Representatives were present from the cities of Milwaukee, Buffalo, Detroit, Cleveland, Philadelphia, Brooklyn (Flatbush), Chicago, Pittsburgh, Boston, New York, Baltimore and Providence. Officers were elected as follows: William Scott, President; Phil. Hauswirth, Secretary; J. F. Wilcox, Treasurer.

It was decided to refund the $10 paid by the five different clubs this year, so that there is no sweepstake prize this time.

The Contest.

The bowling tournament commenced exactly at 10 o'clock. Six teams rolled in the first round, in the following order: On alleys No. 1 and 2, Providence and Cleveland; alleys No. 3 and 4, New York and Milwaukee; alleys No. 5 and 6, Cleveland and Boston.

In the list of clubs and their captains in yesterday's issue, the Chicago team's captain should have read Ed. Winterson instead of Mr. Hauswirth.

The teams changed alleys after each game, so that one game only was rolled on each alley by each team. Providence team was only represented by two members, so were out of the tournament. There were many lady spectators and they did their share of rooting and cheering for their friends. The room was uncomfortably warm, but the liquid refreshments served, helped to allay the discomfort to a great extent.

CLEVELAND.

PLAYERS.	1	2	3	TOTAL
J. Eadie	135	156	153	444
A. Graham	85	107	131	323
H. Hart	97	125	97	319
E. H. Cushman	100	149	141	390
B. Hart	106	167	113	386
C. Graham	169	159	159	487
Totals	692	863	794	2349

BOSTON.

PLAYERS.	1	2	3	TOTAL
L. H. Foster	101	112	74	287
F. W. Fletcher	115	117	98	330
Wm. Martin	84	102	126	322
T. Butterworth	71	80	92	233
W. Molloy	78	101	101	280
G. Sutherland	138	124	162	424
Totals	587	636	653	1876

NEW YORK.

PLAYERS	1	2	3	TOTAL
O'Mara	135	138	150	423
Traendly	151	143	134	428
Manda	145	141	132	418
Roehrs	150	185	160	495
Thielmann	144	161	175	480
Lang	143	130	169	442
Totals	868	898	920	2686

MILWAUKEE.

PLAYERS	1	3	3	TOTAL
Pollworth	139	120	128	387
Ed. Gesson	168	142	103	413
Zweigel	126	103	142	371
Klokner	162	166	124	452
Kennedy	106	135	117	358
Hunkel	156	117	142	415
Totals	857	783	756	2396

PITTSBURG.

PLAYERS	1	2	3	TOTAL
T. W. Ludwig	167	141	126	434
E. C. Ludwig	165	139	129	433
L. C. Neff	125	198	103	426
W. Loew	120	167	110	397
John Baldinger	85	123	152	360
G. Schmerbush	151	126	82	359
Totals	813	894	702	2409

DETROIT.

PLAYERS	1	2	3	TOTAL
P. Breitmeyer	156	150	134	440
J. Pantke	144	120	142	406
F. Beard	145	99	154	398
J. Dunn	167	132	132	431
A. Ferguson	132	115	159	406
F. Holznagel	127	144	153	424
Totals	871	760	874	2505

BUFFALO.

PLAYERS	1	2	3	TOTAL
J. Bruik	89	118	168	375
J. McClure	125	123	133	381
W. F. Kasting	181	175	228	584
W. B. Scott	176	131	143	450
W. Webber	150	187	202	539
W. Scott	152	147	147	446
Totals	873	881	1021	2775

PHILADELPHIA.

PLAYERS	1	2	3	TOTAL
G. Moss	155	109	122	386
Connor	149	141	167	457
Harris	143	167	125	435
Anderson	132	165	110	407
Habermehl	149	107	131	381
Walker	185	143	165	493
Totals	907	832	820	2559

FLATBUSH.

PLAYERS	1	2	3	TOTAL
Mellis	139	177	150	466
Zeller	127	148	127	402
Schmutz	129	179	116	424
Raynor	146	165	167	478
Dalliedonze	134	145	150	429
Riley	149	129	189	467
Totals	824	943	899	2666

CHICAGO.

PLAYERS	1	2	3	TOTAL
F. Stollery	177	152	152	481
G. Stollery	178	149	112	439
Hauswirth	122	145	145	412
Degnan	126	167	150	443
Winterson	118	152	181	451
Asmus	203	153	147	503
Totals	924	918	887	2729

BALTIMORE.

PLAYERS	1	2	3	TOTAL
Richmond	125	213	136	474
Boone	134	189	154	477
Lehr	147	155	98	400
Weber	152	159	156	467
Binder	104	118	207	429
Seybold	154	132	151	437
Totals	816	966	902	2684

The Trophies.

The Lord and Burnham Co. cup awarded to the team making the highest total in the three tournament games, won by Buffalo, with a score of 2775 pins.

The cup given by Hitchings & Co. to the team making the highest score in the third game, was captured by Buffalo, score 1021.

The Queen of Edgeley cup awarded to the team having the highest scores in the first two games. Winner, Chicago, with 1842 pins.

Each of the above prizes has to be won twice before becoming the property of the winners.

The Edmund M. Wood cup given to the club having the highest total score in the three games. This prize becomes the property of the winning team when won the first time, and was captured by Buffalo, with 1021 pins.

The Detroit trophy was awarded the club making the highest score in any one of the three games. This prize has to be won twice; it was captured last year by the Philadelphia team. This year the winner is Buffalo, with 1021 pins.

The list of individual prizes offered was as follows:

Silver cup, presented by Theo. J. Lang, for the highest average in the three games, won by Kasting, Buffalo, average 194.6.

A gold medal for the second highest average in three games, won by Wm. Webber, Buffalo; score 189.6.

A gold medal for the third highest average in three games, captured by G. Asmus, Chicago, score 167.6.

These were donated by Theo. Roehrs.

Silver cup, donated by Traendly & Schenck, for the highest score in any one game. Winner, W. F. Kasting, score 228.

The list of other individual prizes was not available at time of going to press. These will be announced next week.

Different Methods of Orchid Culture.

(Continued from page 789.)

The proper resting of the orchids has long been recognized as the key to the production of flowers. If we can induce a cattleya to produce a fine large pseudobulb, we must ripen it oft; we must allow the energy of root action to decrease and stop for a certain length of time; allow the bulb to transform the food matter which has accumulated in it into such food as the flower requires before it will be produced. There is no doubt but the flower needs food different from the green parts of the plant and the transformation of this food, or as it is generally called, the ripening of the bulbs, does not generally take place while the roots are actively growing.

In regard to resting, the different kinds of orchids require somewhat different treatment. Some, such as cattleyas, need only a slight rest, while others require more severe drying off. (For Odontoglossum citrosmum, for instance, it has become a popular rule to starve them until the flower spike pushes out of the new growth.)

Again, we know, that the resting of orchids does not necessarily mean the withholding of water, nor, on the other hand, that such is the only attention needed. There is no absolutely dormant state in the life of orchids; as stated above, the work of transforming the accumulated food matter is carried on during the period we term the resting time. This transformation causes heat, and thus the evaporation of a certain amount of moisture, which the plant must be able to replace, lest the bulbs, stems or leaves will shrivel and, in extreme cases, perish.

A liberal supply of direct sunlight seems to be of great importance during this period, and, in order to keep the temperature and saturation of the air in the house moderate, adequate ventilation likewise. As far as the purification of the air is concerned, the needs of ventilation on that score have been much exaggerated; the many little cracks and openings of a greenhouse roof allow, as a rule, sufficient change of air without the opening of the ventilators. What seems to be very beneficial, if not absolutely necessary, for the healthy development of orchids, as well as of nearly all other plants, is the circulation of the air enclosed in the house. Every cultivator knows, that as soon as artificial heating of the houses is begun, the danger of disease is minimized; it accelerates the circulation of air. Practical experience in low houses, and in frames, has taught us, that the closer the plants are to the glass, the better they will thrive, because that is the only position where there is a congenial air circulation. Large, spacious houses are preferable for the same reason and nothing will produce mealy bug, scale and other defects on the plants, like a low, tightly-closed house, and this kept in a stagnant atmosphere. Of all plants, orchids, while resting, need a spacious, light house, in which the danger of overcharging the air with moisture and undue changes of temperature are easily avoidable; but they need, then, as well as during their growing season careful attention as to the proper state of moisture at the roots, however little it may be.

The potting material which, since the beginning of orchid cultivation until the present day, and in different countries and nurseries, has been employed presents an interesting diversity of compositions. When the writer first came to Chicago, he found a nice little collection of orchids all nailed to blocks, growing and even producing flowers. Among them were Odontoglossum crispum and cypripediums. They improved rapidly when put into pots, pans and baskets, with a liberal supply of fern fiber and moss. At another commercial place, when large importations of orchids arrived from Mexico and Central America, a lot of them, and principally lycastes, were potted off into broken-up German peat. These plants did very nicely, the receptacles being well drained. The root fiber of the Osmunda Claytoniana ferns, with an addition of sphagnum, seems to be the favorite material for orchids throughout America. In a large orchid nursery in England, where it was tried principally with cattleyas, it has been declared a failure, perhaps for the reason of inadequate treatment having been given the plants.

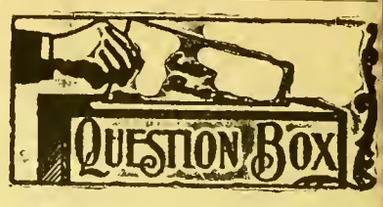
The orchid peat is, in the majority of English nurseries, very carefully prepared and mixed in a great many ways to suit the different kinds of orchids and growers. Still, if otherwise the treatment of the orchids be good, the difference in the formulæ (and they sometimes are mysteriously complicated) is not traceable on the plants. The continental growers have, up to a few years ago, used the lycopodium fiber altogether, and with so much success, that the English growers have imitated their methods in many instances. Lately, the practical men in Belgium have discarded all the red tape business, and pot orchids like a common plant in leaf mould, and again this change is crowned with signal success.

T. E.

(To be continued.)

Courtesies Extended.

All the prominent houses in the vicinity of New York kept open house for the week and were kept busy entertaining their friends.



(175) **Carnations.**—I would like to know what three varieties of carnations will stand the most heat? Is White Cloud a free bloomer?—F. S.

—Carnations are so much alike in their requirements as to temperature that to designate the three varieties that will stand the most heat is impossible. White Cloud is a good variety for the Fall and Spring, but is not so free through the Winter, though some growers might find it just the reverse.

(176) **Packing Cut Flowers.**—Will you please give the method of how to pack cut flowers for shipment, through the Question Box. Also inform me whether there is a work on this subject. —H. V. B.

—Cut flowers should be packed in long, shallow trays. Place the buds close together, and only one layer deep; then they do not bruise each other. The trays must first be lined with soft paper and the flowers also covered with the same material. The trays should be made so that several can be placed in a stronger box, in which are partitions to rest the trays upon.

The book "How to Grow Cut Flowers," by M. A. Hunt, gives instructions as to how to pack and grade flowers.

Price $2, and can be had from this office.

(177) **Propagating Acalypha Sanderi.**—Acalypha Sanderi is easily propagated from cuttings. Take the little side shoots that form and they root the same as coleus, and just as easy.

David F. Day.

David F. Day, one of the Park Commissioners of Buffalo, died Wednesday last. He was an excellent botanist, being considered one of the best in Western New York, and had a first-class herbarium. Deceased was particularly fond of herbaceous stock, of which he had an excellent collection. Mr. Day stood high in the estimation of his fellow citizens.

E. J. Townsend.

Edmund J. Townsend, the oldest florist of Hamilton, Ont., died at his home there August 16. For six months past he had been under treatment for serious throat trouble.

Deceased was a native of England, and had recently turned 60 years of age. He came to Canada about 42 years ago, and after living a while in Toronto, went to Hamilton 30 years ago. He started business as a florist for himself, in 1872, on Park street, and carried it on at the same place till the time of his death. He was a reserved man, strictly attentive to business, and had the respect of the whole community. He leaves a widow and family of five—four daughters and one son.

If you want to know who registered at the convention, and many other features not in any other paper, send for a set of the FLORISTS' EXCHANGE DAILIES, four issues complete, for 10 cents.

TOBACCO STEMS
"Good Strong Kind."
60 CTS. PER 100 LBS.
BALES WEIGH 500 LBS.
TOBACCO DUST
"THE BLACK STUFF."
Fine or Coarse to Your Order.
50 to 1000 lbs., 2 cents per pound.
H. A. STOOTHOFF,
110 WEST STREET, NEW YORK CITY.
Mention this paper.

New York.

The market has been about the same as in our last report, so far as prices are concerned. Roses of the better grades are coming in rather more plentifully, and carnations from outside are also more in evidence. In outdoor flowers there has been no change except an increase in their numbers. There is just about enough regular business to clean up the best of the stock, while the rest is disposed off to the street man at whatever can be obtained for it.

The Convention has, of course, been the center of attraction, and for this week all other subjects are brushed to the one side.

Cincinnati.

Market News.

Everybody's trylog to keep as cool aad quiet as possible. Business is at a standstill. Stock is coming in ia limited quantities.

The St. Louis contingent passed though our city Sunday on their way to the Convention as did the Lexington party, both delegations going by different routes.

The weather here for the past week has been almost unbearable, the thermometer trying to beat all records.

George & Allen are remodeling the greenhouses they recently purchased. This will be their retail plant, and as they are the only greenhouses on Walnut Hills, the firm will undoubtedly do a fine business.

Fred. Lodder is building a large house, 150 feet, for growing vegetables.

R. Witterstaetter has his new house completed, and will soon have all planted.

Wm. Murphy is also getting ready for housing his stock.

E. G. GILLETT.

Cleveland.

Trade Notes.

This week seems to be the dullest week experienced by our florists this Summer. Funeral orders have been coming in quite freely all through the season, until the past few days, and have furnished an outlet for much of the product of the growers; at the present time even work in funeral designs is very slack, and flowers are in abundance. There is no change in market rates since former writing, and retail prices remain the same as last reported. Carnations, outdoor blooms, are offered in considerably larger quantities, but the flowers are still small and show the effects of the hot weather of the past few weeks. Recent heavy rains have benefited all outdoor crops. Asters seem to be doing better this year than they have done for many seasons past, and some fine blooms are offered; growers realize $1.50 per 100 for the best flowers, and inferior stock moves at figures considerably below this mark.

Japanese lilies are very abundant; the same is also true of gladiolus. Rudbeckia flowers are seen on every hand, and these with golden rod, hellanthus and coreopsis make some very effective "yellow" window displays. G. A. T.

St. Paul.

Notwithstanding the intense heat, trade is fairly good. But the weather has had its effect on stock, and but few good roses are being cut. Inside carnations are about all gone and but few are grown outside, so that the "divine flower" is a very scarce commodity at the present time. Some very good asters are being cut and these with roses, constitute the bulk of the stock. Funeral flowers comprise the bulk of the demand at the present time.

Vacations have been in order and nearly all of the store men have been out rusticating, but Sept. 1 will find most of them at their accustomed places, and trade resuming its normal condition, unless the weather should continue on its hot and sultry course.

So far as I have learned Mr. A. S. Swanson is the only delegate to the convention from the Twin Cities. The writer, with others in our State, would like to see Buffalo chosen for next year's convention. Besides being a cool summer resort itself, the Pan-American Exposition offers so many attractions, as well as nearby trips to Niagara Falls, Toronto, etc., that the majority would prefer that city to Chicago, where they can go any time. By all means let the convention be held at Buffalo, and Minnesota will send twice as many delegates as she would to Chicago.

VERITAS.

SMILAX 5000 extra strong plants, from 2½ inch pots, $1.25 per 100; $10.00 per 1000.

CHAS. W. THOMPSON, 676 Avenue E, Bayonne, N. J.
Successor to ALOIS LANGER.
Mention the Florists' Exchange when writing.

ED. JANSEN,
Importer and Manufacturer of
NOVELTIES IN BASKETS AND FLORISTS' SUPPLIES.
Extensive Show Rooms.
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KNIVES! KNIVES!
Am sole agent for Eastern States of S. Kunde's celebrated pruning, budding and grafting knives. Send for illustrated price list.
The O. K. Hasemender, sample 10 cts.
JOS. F. RUZICKA, Madison, N. J.
Mention the Florists' Exchange when writing.



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Honorable Mention
AT
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AUGUST, 1900.



CYCLONE SPRAY PUMP
THE GREAT INSECT EXTERMINATOR. Sprays as fine as mist. Just the thing for Roses, Palms, Potatoes, Tobacco, Small Fruits, Hen-Roosts, etc. All tin, 50c.; all polished copper, $1.00. *Cash with Order.* Weighs, boxed, about 5 pounds. Buyer pays express.
STEVENS & CO., 107 Chambers St., N. Y. City
Mention the Florists' Exchange when writing.

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SAGO LEAVES.

	Per 100	Per 10		Per 100	Per 10
6- 8 in....	$3.00	.40	24-30 "	....$7.00	.85
8-14 "	4.00	.55	30-36 "	....11.00	1.20
14-18 "	5.00	.60	36-42 "	....16.00	1.75
18-24 "	6.00	.75	42 in. & ov'r	20.00	2.40





No. 7200 PALMS.

	Lvs.	Hgt.	Doz.	
7204	3	24in.	$2.40	Metal Wreaths,
7204a	3	36 "	3.60	
7200	5	36 "	5.40	From
7201	6	40 "	7.20	
7201a	10	40 "	ea 1.80	25 cents up.

PALM TREES.

	Lvs.	Hgt.	Es.	Natural Prepared
7206	9	7 ft.	$3.50	Palm Leaves, 100
7208	16	9 "	4.50	Medium size..... $6.00
7209	24	10 "	$6.00	Large size..... 10.00

FRANK NETSCHERT,
CHICAGO: 187 S. Clark Street.
NEW YORK: 7 Barclay Street.

Our Convention Exhibition

REPORT OF COMMITTEE.

Bobbink & Atkins, Rutherford, N. J., very fine exhibit of Dutch bulbs of superior size and quality.

(Signed) WM. PLUMB,
WM. H. SIEBRECHT,
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Send us your List of Wants for Prices.

Bobbink & Atkins, Rutherford, N. J.
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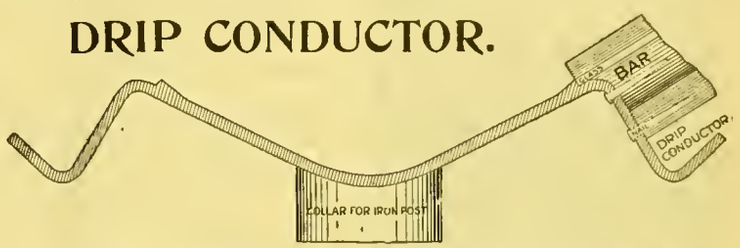
GARLAND'S IRON GUTTER AND DRIP CONDUCTOR.



NO SNOW OR ICE. Waterway Capacity for 6,000 feet of Glass.
Length of section, 5 feet; weight, 65 lbs.; carrying capacity, 4070 lbs.
This Gutter will save money in cost of construction as well as in rebuilding. Parties contemplating using iron gutters will do well to note the wording of **Patent No. 616,781**, issued to GEO. M. GARLAND, as published in previous issues.
Iron Plate and Drip Conductor for Outside Walls of Disconnected Houses.
GEO. M. GARLAND, Des Plaines, Ill.
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CHINESE PRIMROSES
50,000 Finest large-flowering fringed, per 1000, $15.00; per 100, $1.75.
Obconica Grandifl. and Rosea, ready Sept. 1st, per 100, $2.00.
ASPARAGUS SPRENGERI, $3.00 per 100. PLUMOSUS, $4.00 per 100. | **PANSY SEED** Large Flowering, per ounce, $4.00.
CINERARIA, August 20, $2.00 per 100.
Cash, please. **JOS. H. CUNNINGHAM, Delaware, Ohio**

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Young healthy stock of the following decoration plants, fit for 4 and 5 inch pots, to grow on for next winter's use.

Palms, Arecas, Latanias, Phœnix, Cocos Weddelliana, Corypha, 10, 12 and 15 cts. each.

Pandanus Utilis, Dracænas Fragrans, Terminalis, Massangeana, Lindeni, 10, 15 and 20 cts. each.

Anthuriums, Marantas, Alocasia, Dieffenbachia, 10 and 15 cts.

Ferns: Bastonieasis, Washingtoniensis, Exaltata, Lomaria Gibba, 10, 15 and 20 cts.

Smaller plants of foregoing, such as used for fern dishes:
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20,000 Large Palms, Ferns, including **Davallioides Furcans, Pandanus,** etc., from 6, 7, 8 and 9 inch pots, for 75 cts. to $3.00 each.

Ficus, from 4 inch pots, fit for 6 inch, 25 cts. each.

Stock in excellent condition, and on exhibition at the S. A. F. Convention in New York, and in the Nursery here. 10 per cent. discount for cash with order.

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50,000 BOSTON FERNS
I Make a Specialty of
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Small plants, $4.00 per 100 or $35.00 per 1000; large plants, $6.00 to $50.00 per 100; taken from the bench.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 in. pots, $3.00 and $4.00 per doz.

Asparagus Plumosus, 2½ in. pots, $5.00 to $6.00 per 100; 3½ in. pots, $12.00 per 100.

Asparagus Sprengeri, 2½ in. pots, $5.00 to $6.00 per 100.

Araucaria Excelsa, 14 to 16 ins. high, 4 to 5 tiers, 6 in. pots, $1.00 and $1.25 each; 20 to 24 ins. high, 5 to 6 tiers, 6 in. pots, $1.50 each; larger size, $2.00 and $2.50 each.

Rubber Plants, 12 to 15 ins. high, $4.00 per doz., and 20 to 24 ins. high, $6.00 per doz.

Chinese Primroses, 2½ inch pots, $3.50 per 100.

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Summer Shipping a Specialty. TELEPHONE, 2066 MADISON SQUARE.

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Mention the Florists' Exchange when writing.

...Wholesale Prices of Cut Flowers...

	Names and Varieties	New York Aug. 24, 1900	Boston Aug. 23, 1900	Philadelphia Aug. 23, 1900	Baltimore Aug. 25, 1900	Buffalo Aug. 15, 1900
	A. BEAUTY, fancy—special	10.00 to 25.00	12.50 to 20.00	15.00 to 25.00	.... to	20.00 to 25.00
Roses	" extra	5.00 to 10.00	8.00 to 10.00	12.00 to 20.00	.... to	15.00 to 20.00
	" No. 1	3.00 to 5.00	4.00 to 6.00	12.00 to 15.00	6.00 to 10.00	10.00 to 15.00
	" Culls & ordinary	.50 to 1.00	1.00 to 4.00	2.00 to 6.00	3.00 to 6.00	.... to ....
	Bride, 'Maid, fancy—spc'l	3.00 to 4.00	.... to 6.00	6.00 to 6.00	.... to	.... to ....
	" extra	2.00 to 3.00	.... to 4.00	4.00 to 6.00	2.00 to 4.00	5.00 to 6.00
	" No. 1	1.00 to 2.00	2.00 to 3.00	3.00 to 5.00	2.00 to 4.00	3.00 to 4.00
	" No. 2	.50 to 1.00	1.00 to 2.00	1.00 to 2.50	.... to	.... to ....
	K. A. Victoria	3.00 to 6.00	3.00 to 6.00	2.00 to 6.00	2.00 to 5.00	4.00 to 6.00
	La France	1.00 to 3.00	.... to	2.00 to 6.00	2.00 to 4.00	.... to ....
	Meteor	1.00 to 4.00	2.00 to 3.00	2.00 to 5.00	2.00 to 4.00	3.00 to 6.00
	Papa Gontier	.... to	.... to	.... to	.... to	.... to ....
	Perle	1.00 to 2.00	1.00 to 4.00	2.00 to 4.00	2.00 to 3.00	.... to ....
	Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
	ORCHIDS—Cattleyas	.... to	.... to	.... to 50.00	.... to	.... to ....
	Cypripediums	.... to	.... to	.... to	.... to	.... to ....
	Dendrobium formoseum	.... to	.... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	.50 to .75	.50 to	.25 to .50	.50 to .60	.... to ....
	STANDARD VARIETIES White	.60 to .75	.... to .50	.75 to 1.00	.75 to 1.00	.75 to 1.00
	STANDARD VARIETIES Pink	.50 to .75	.50 to 1.00	.50 to 1.00	.75 to 1.00	.75 to 1.00
	STANDARD VARIETIES Red	.60 to .75	.50 to 1.00	.7 to 1.00	.75 to 1.00	.75 to 1.00
	STANDARD VARIETIES Yel.&Var	.60 to .75	.50 to 1.00	.7 to 1.00	.... to	.... to ....
	*FANCY— White	1.00 to 1.25	.... to 1.00	1.00 to 1.50	1.00 to 2.00	.... to ....
	*FANCY— Pink (*The highest grades of standard var)	1.00 to 1.25	.... to 1.00	1.00 to 1.50	1.00 to 2.00	1.00 to 1.50
	*FANCY— Red	1.00 to 1.25	.... to 1.00	1.00 to 1.50	1.00 to 2.00	1.00 to 1.50
	*FANCY— Yel.&Var	1.00 to 1.25	.... to 1.00	1.00 to 1.50	.... to	1.00 to 1.50
	NOVELTIES	1.00 to 1.25	1.00 to 1.50	.... to 2.00	.... to	.... to ....
	ADIANTUM	.... to .50	.... to .60	.50 to 2.00	.... to 1.00	.75 to 1.00
	ASPARAGUS	35.00 to 40.00	30.00 to 50.00	35.00 to 50.00	25.00 to 75.00	50.00 to 60.00
	ASTERS	.20 to 1.00	.20 to .50	.75 to 1.00	.30 to .50	.60 to 1.25
	CALLAS	.... to	.... to	.... to	.... to	.... to ....
	DAISIES	.... to	.... to	.... to	.... to	.... to ....
	GLADIOLUS	.75 to 1.50	3.00 to 6.00	2.00 to 4.00	2.00 to 3.00	2.00 to 3.00
	IRIS	.... to	.... to	.... to	.... to	.... to ....
	LILIES	1.00 to 4.00	2.00 to 2.50	3.00 to 5.00	2.50 to 6.00	4.00 to 12.00
	LILY OF THE VALLEY	1.50 to 2.00	1.50 to 4.00	2.00 to 4.00	.... to	3.00 to 4.00
	MIGNONETTE—ordinary	.25 to 1.00	.50 to 1.00	.... to	.... to	.... to ....
	" fancy	.... to	.... to	.... to	.... to	.... to ....
	PÆONIES	.... to	.... to	.... to	.... to	.... to ....
	SMILAX	6.00 to 10.00	.... to 10.00	10.00 to 15.00	10.00 to 20.00	12.00 to 15.00
	SWEET PEAS	.10 to .25	.10 to .20	.... to	.... to	.35 to .40
	TUBEROSES	3.00 to 4.00	.... to	4.00 to 6.00	.... to	.... to ....

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

BOSTON, MASS.
Asparagus Plumosus, Mignonette, Pink Pond Lilies, Brides, 'Maids, American Beauties
WELCH BROS.
PROPRIETORS
CITY HALL CUT FLOWER MARKET,
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Kaiserins, Meteors, Carnots, Orchids, Valley, Carnations
Can furnish at short notice. Price according to quality of goods. Long Distance Telephone, 2161 and 2071.

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We have a fine grade of everything in market at present. Send us a Trial Order and we will do the rest.
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Receiving Daily Fine PRES. CARNOT, KAISERINS, METEORS, BEAUTIES, Etc.
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THE NEW YORK CUT FLOWER CO.
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All Business is Running to Specialties
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Fine VALLEY in stock at all times.

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Greenhouses at Hinsdale, Ill.
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McKELLAR & WINTERSON,
Wholesale Commission Jobbers
In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work.
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...Wholesale Prices of Cut Flowers...

	Names and Varieties	Chicago Aug. 15, '00	St. Louis Aug. 13, '00	Cincinnati Aug. 21, '00	Milwaukee Aug. 13, '00	Pittsburg Aug. 21, '00	Toronto Aug. 21, '00
Roses	A. BEAUTY, fancy—special.	18.00—20.00	....—	....—	15.00—20.00	20.00—25.00	....— ....
	" extra	12.00—15.00	....—	....—	10.00—12.50	10.00—15.00	....—20.00
	" No. 1	8.00—10.00	4.00— 8.00	4.00— 8.00	8.00— 8.00	5.00— 8.00	....—15.00
	" Culls & ordinary	2.00— 3.00	....—	4.00— 5.00	2.00— 4.00	2.00— 4.00	....— 5.00
	Bride, 'Maid, fancy-spec'l	....—	2.00— 3.00	2.00— 4.00	4.00— 5.00	....— 6.00	....— ....
	" extra	3.00— 5.00	2.00— 3.00	....—	3.00— 4.00	....— 4.00	1.00— 6.00
	" No. 1	2.00— 4.00	2.00— 3.00	....—	....— 2.00	....— 4.00	1.00— 6.00
	" No. 2	....— 1.00	....— 1.00	....—	....— 1.00	....— 2.00	1.00— 4.00
	K. A. Victoria	2.00— 5.00	....—	....—	4.00— 6.00	2.00— 0.00	....— ....
	La France	....—	....—	....—	....—	....—	....— ....
	Meteor	2.00— 4.00	2.00— 3.00	2.00— 4.00	4.00— 6.00	2.00— 5.00	1.00— 8.00
	Papa Gontier	....—	....—	....—	....—	....—	....— ....
	Perle	2.00— 3.00	....— 2.00	2.00— 3.00	3.00— 4.00	2.00— 4.00	1.00— 4.00
	Souv. de Wootton	....—	....—	....—	....—	....—	1.00— 6.00
	ORCHIDS—Cattleyas	....—	....—	....—	....—	....—	....— ....
	Cypripediums	....—	....—	....—	....—	....—	....— ....
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	Inf'r grades, all colors	.40— .50	.50— .75	....— .50	....— 1.00	.50— 1.00	.30— .75
	STANDARD VARIETIES White	.75— 1.00	....— 1.00	.75— 1.00	....— 1.00	....— 1.00	1.00— 2.00
	STANDARD VARIETIES Pink	.75— 1.50	....— 1.00	.75— 1.00	....— 1.00	.50— 1.00	1.00— 2.00
	STANDARD VARIETIES Red	.75— 1.50	....— 1.00	....— .50	....— 1.00	.50— 1.00	1.00— 2.00
	STANDARD VARIETIES Yel. & Var.	.75— 1.00	....— 1.00	....—	....— 1.00	....—	1.00— 2.00
	*FANCY— White	....—	....—	....—	1.50— 2.00	1.00— 1.50	....— ....
	(*The highest grades of standard var) Pink	....—	....—	....—	1.50— 2.00	1.00— 1.50	....— ....
	(*The highest grades of standard var) Red	....—	....—	....—	1.50— 2.00	1.00— 1.50	....— ....
	(*The highest grades of standard var) Yel. & Var.	....—	....—	....—	1.50— 2.00	1.00— 1.50	....— ....
	NOVELTIES	....—	....—	....—	....—	....—	....— ....
	ADIANTUM	.40— .75	....—	....— 1.00	.75— 1.00	.75— 1.00	.40— .80
	ASPARAGUS	40.00—50.00	....—	....—	....— 2.00	35.00—50.00	....—50.00
	ASTERS	.15— 1.50	.75— 1.00	1.00— 2.00	.50— 1.00	.50— 2.00	.40— 1.50
	CALLAS	....—	....—	....—	....—	....—	....— ....
	DAISIES	.10— .15	....—	.50— .75	....— .50	....—	....— ....
	GLADIOLUS	1.00— 3.00	....—	....—	2.00— 3.00	1.00— 3.00	1.50— 4.00
	IRIS	....—	....—	....—	....—	....—	....— ....
	LILIES	4.00— 8.00	....—	....—	....— 5.00	1.00— 5.00	6.00— 7.00
	LILY OF THE VALLEY	3.00— 4.00	....—	....— 5.00	....—	2.00— 4.00	....— ....
	MIGNONETTE—ordinary	....—	....—	....—	....—	....—	....— .50
	" fancy	....—	....—	....—	....—	....—	....— ....
	PÆONIES	....—	....—	....—	....—	....—	....— ....
	SMILAX	8.00—10.00	10.00—12.50	....—15.00	12.50—15.00	12.50—15.00	....— ....
	SWEET PEAS	.10— .20	....—	....— .25	.10— .15	.10— .25	.15— .40
	TUBEROSES	4.00— 8.00	3.00— 5.00	2.00— 4.00	....—	....—	....— ....

H. G. BERNING,
Wholesale Florist
1322 Pine Street,
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454 AND 456 MAIN STREET,
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Manufacturers of Wire Designs.
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Galax Leaves Brilliant Bronze or Green, $1.50 per 1000.
FANCY FERN, DAGGER FERN, Etc., at Market Prices.
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Mention the Florists' Exchange when writing.

GALAX LEAVES
For latest prices green and bronze Galax Leaves and Leucothoe, address the introducer,
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Tremont Bldg., BOSTON, MASS.

The Boston Co-Operative Flower Growers' Association.
Boston, Sept. 1, 1900.
The Annual Sale of Stalls in the Boston Flower Market will take place at the Market, Park Street, Saturday, Sept. 15, 1900, at 9 a.m.
GEORGE CARTWRIGHT, Treas.
Mention the Florists' Exchange when writing.

WIETOR BROTHERS
SUCCESSORS TO
ROGERS PARK FLORAL CO.,
Wholesale Growers of Cut Flowers
OFFICE AND SALESROOM,
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4c. to 6c. a yd.
Best goods always.
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I PAY EXPRESS OR POSTAGE ON MY
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and deliver anywhere in U. S. for
One Dollar Fifty per 1000
Write for particulars
LILLIAN ALLEN DEXTER,
Washington, D. C.
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Roses Up to Date.

Abstract of paper read before the Canadian Agricultural Association, by John H. Dunlop, of Toronto.

The up-to-date roses I can only speak of from a florist's standpoint, and they are comparatively few. I will enumerate them as they suggest themselves to me. To my mind there is no rose that will compare with the American Beauty, with its magnificent foliage, grand stem, flower, and exquisite fragrance. We all know it. It was one of the sights, never to be forgotten, at the first exhibition of the American Rose Society, held in New York last March, when some two thousand magnificent blooms were staged—tall, stately, perfect flowers.

The Bride.—The rose par excellence of its color; as its name suggests, purity, whiteness. The white rose of commerce, without a peer.

Bridesmaid.—The pink rose that has superseded all others in popularity. We have had others, but they have quickly given the place of honor to the Bridesmaid, of that deep, rich shade of pink so much sought after.

Meteor up to the present has held the place of honor in its color; its rich, velvety crimson always appealing to the customer, but lacking that very essential of quality in a rose—fragrance. If we could only produce a rose with the good points of Meteor, with odor, we would be loath to give it up, but there is another crimson of which I will speak later that will probably supersede it.

Perle des Jardins, the pure golden yellow rose of the day. This we find declining in popularity through some of the caprices of fashion. It is a grand rose of its color, and I think will be more largely grown than previously.

Sunset is a good rose, but of a dull shade, not having the brightness of Lady Dorothea, a saffron yellow, shaded with rosy pink.

Madame Hoste is a good, light-colored yellow, having many good qualities. Its fine, long, pointed buds are always attractive.

Golden Gate is a fine rose of a peculiar combination of soft pink and creamy white; long, pointed buds, exquisitely sweet; a strong grower.

Mrs. Pierpont Morgan is of the Cusin type, but of a more pleasing color. Very popular with the flower buyer, and has the advantage of showing to good advantage under artificial light.

Clara Watson in color is a combination of pink and white. A good strong grower, very sweet scented.

I will now speak of the rose that we have heard so much about, and for which many of us paid a good price for a few plants, that we may test its good points and prove some of the assertions that have been made in its favor. I speak of Liberty, that grand, crimson rose, that has been ushered into the floral world this season. Who does not remember the magnificent vase of Liberty roses that were exhibited in Toronto last March at the first carnation exhibition of the Gardeners and Florists' Club. Its glowing Jacqueminot crimson and sweet perfume were the attraction of that show. I cannot speak of it from a grower's standpoint, but will give some of the figures given by Mr. Asmus in comparison with other varieties in point of productiveness. The test was made with a house of Liberty against Bride, also one of Liberty against Bridesmaid, during the past season. Each house was given equal treatment in all respects. In each of the houses of Liberty there were eight hundred plants, but in each house of Bride and Bridesmaid seven hundred and eighty plants, or twenty less than the Liberty.

Bridesmaid, House No. 11.		Liberty, House No. 15.	
Nov.	1,288	Nov.	3,145
Dec.	2,058	Dec.	3,179
Jan.	1,329	Jan.	1,900
Feb.	1,425	Feb.	1,895
	6,100		10,119
Bride, House No. 12.		**Liberty, House No. 16.**	
Nov.	2,307	Nov.	5,507
Dec.	2,052	Dec.	1,707
Jan.	1,731	Jan.	2,042
Feb.	1,445	Feb.	2,260
	7,535		11,516

These figures will tell the tale better than any guesswork of the flowering qualities of this rose, as we have here the four severest months on the blooming qualities of any rose or plant that is treated contrary to the laws of nature.

As to the color, I am given to understand that during the Winter months it is much brighter than late in the season, and not guilty of producing that beautiful purple tint so often seen in crimson roses. I saw Liberty growing at Mr. Asmus's place last March, and could only find words of commendation for the appearance of it at that time. It was certainly producing good crops, although it had been very severely cut for propagating the enormous stock that was disseminated this spring.

I have also had a letter from an esteemed rosarian. I refer to Mr. Robert Simpson, of Clifton, N. J., whose opinion I prize very highly, being, as he says himself, prejudiced at the beginning, but by watching it he was gradually won over by its many good points. To use his own words:

"I have been to Mr. Asmus's place a good many times to see it (Liberty) during the past two seasons, and would say that, beginning with a prejudice against it, I have been won over completely by its many good qualities. I am naturally very conservative and critical, and when I speak in favor of a new rose, you may be sure I have good reasons for doing so."

Now it remains with us to try and bring out the many good traits we have heard of this grand, new rose. We have not heard of any of its faults. We may know more of them by another season, as it is scarcely possible that all will have the success of those that have pioneered its entry into the floricultural world.

There is another new rose, but I have not been able to learn much of its history or good points. No new rose has ever been guilty of coming before the public with a single blemish or fault. All are perfect until we find them out. This one is Sunrise. It was sent out from England as a sport, I think, from Sunset. In color it is a deep apricot yellow, almost a red, very bright in summer, and is said to be a free bloomer. I have a few plants of this variety, but for some reason it will grow a short time, and then die off. The plants are grafted, and I am not aware of the stock they are worked on which may influence the growth of the plant, or, more properly speaking, the lack of growth. I hope to be able to report more favorably of the variety later.

Lady Dorothea.—This rose is of Canadian origin; I think the first that has been originated in the Dominion, and not the least to be proud of. It is a sport from Sunset, of good habit, a free grower, profuse bloomer; losing some of the bad qualities of its parent in that it is free from imperfect flowers in midwinter; color brighter and more beautiful in the four months of dark weather, when most sought after and appreciated.

The color is a soft shade of peach pink, deepening to a red at base of petals outside and a bright flesh pink inside—a beautiful harmony of color. This rose is becoming very popular, and I feel confident it will take a leading place in the list of standard varieties from the excellent reports I have had from sections of the continent far removed from each other.

These are the only varieties I can speak of at present, as the new varieties are very limited; but, judging from the number of rosarians who are hybridizing, there should be no lack of meritorious new varieties in the near future. And I would here suggest to some of our own Canadian growers, if they can afford the time and patience to await results, to experiment in this line. It does not follow from this that some are not already making the attempt, but I would commend all who have the ability and inclination to try hybridizing the rose. The room occupied will not be great—only a few feet would be necessary—and if carefully and thoughtfully worked out, who knows what the results might be? I feel confident that he who can produce a first-class rose in this country will add a lasting monument of his ability and keep us with roses up to date.

A Newark (O.) local paper contains a sketch of George L. Miller's establishment, which consists of 14,000 square feet of glass. Mr. Miller is 24 years of age, and has already built up an extensive mail trade in bedding stock. He is also devoting himself to the seed business.

Asparagus Plumosus Nanus

Transplanted seedling plants, for July and August delivery, ready for 2½ inch pots, at $3.00 per 100; $25.00 per 1000; 500 at thousand rates. Express prepaid.

Cash with Order, Please.

R. ASMUS, - New Durham, N. J.

Mention the Florists' Exchange when writing.

HARDY FERNS

FOR CULTIVATION.

40 varieties. Try them in your planting. They will thrive and increase in size and beauty where other plants fail. Catalogue of these and other herbaceous perenolals.

EDW. GILLETT, Southwick, Mass.

Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.

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FINE PALMS.

Kentia Belmoreana and Forsteriana—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, from $2.50 upwards.

Phœnix reclinata, 4 in. pots, $20 per 100; 5 in. pots, $40 per 100; 6 in. pots, 35c. each; 7 in. pots, $1.25 each; specimen plants, $2.00 upwards.

Areca Lutescens, 3 in., $15 per 100; 4 in., $25 per 100.

Latania Borbonica, 4 in., $20 per 100.

JOHN BADER, Troy Hill, Allegheny, Pa.

L. D. TELEPHONE 872A.

Mention the Florists' Exchange when writing.

JOSEPH HEACOCK,

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GROWER OF

ARECA LUTESCENS, KENTIA BELMOREANA, and KENTIA FOSTERIANA.

Mention the Florists' Exchange when writing.

ARAUCARIA EXCELSA 5½ inch pots, 3 tiers, from 9 to 11 inches high, 80 cts.; some for 70 cts., a little smaller.

Ficus Elastica (Rubbers), 6 inch pots, from 18 inches upwards, 40 cts. each; $5 00 per doz. (very fine).

Boston Ferns, 4 inch pots, $2.00 per doz.

Umbrella Plants, 3 inch pots, $5.00 per 100.

Tuberous Rooted Begonia, 4 inch pots, mostly white, etc., 75 cts. per doz.

Heliotropes for winter-blooming, fine plants $5.00 per 100.

Godfrey Aschmann, 1012 Ontario St., Rising Sun, PHILADELPHIA, PA.

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FERN BALLS

Many thousand sold last season. Now is the time to place importation orders. Write for special prices for December delivery.

JAMES VICK'S SONS,

ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

FERNS, ETC.

CHEAP FOR CASH.

	Inch pots	Price each	Per 10	Per 100
Adiantum Capillus Veneris,	2½	$0.04	$0.30	$2.50
" " "	3	.05	.45	4.00
A C.V. Imbricatum or Hardy Farleyense	3	.15	1.50	
" " "	4	.30	3 00	
Selaginella Emmeliana	2	.04	.30	2.50
" "	3	.06	.50	4.50
" "	4	.10	.90	8.00

For other varieties and sizes see wholesale list, from which 10 per cent. discount will be given on all orders accompanied with cash.

W. J. HESSER, Plattsmouth, Neb.

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BOSTON FERN—A Specialty

L. H. FOSTER, 45 KING STREET, Dorchester, Mass.

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CRYPTOMERIA JAPONICA JAPAN CEDAR.

THE NOVELTY DECORATIVE PINE.

Everybody wants it. There is money in it. Strong plants, from 2 inch pots, $5.00 per 100, or 20 for $1 00 by express. SMILAX, from 2 in. pots, $1.25 per 100

SATISFACTION GUARANTEED.

E. I. RAWLINGS, Quakertown, Pa.

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ASPARAGUS PLUMOSUS

2½ in., $5.00 a 100; $50.00 a 1000.

Large and bushy, ready for 3 inch.

JOHN F. HORN, 20 North 6th Street, Allentown, Pa.

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ASPARAGUS TEN. NANUS

2¼ inch ..... per 100, $4.00
3 " ..... " 6.00
5 " ..... per doz., 1.00

FORGET-ME-NOT Winter-flowering, true strong, 3 inch, $3.00 per 100; strong, 4 inch, $5.00 per 100.

J. G. EISELE, Florist,
20th and Ontario Sts., PHILADELPHIA, Pa.

Mention the Florists' Exchange when writing.

BOSTON FERNS

Out of 10 inch pans ..... $1.50 each.
Out of 8 inch pans ..... 75 cts. to 1.00 each.
Out of 4 inch pots ..... $25.00 per 100.

PTERIS CRETICA ALBO LINEATA

From 2¼ inch pots, $3 00 per 100; Cash with order. $25.00 per 1000.

PETER DENYSE, JR., BROOKLYN, N. Y.

79th Street and 6th Avenue.

Mention the Florists' Exchange when writing.

Adiantum Cuneatum

2½ in. pots, $4 per 100; 3½ in. pots, $6 per 100; 3½ in. pots, large plants, $10 per 100; selected plants, 3½ in. pots, $12 per 100.

Asparagus Sprengeri

2½ in. pots, $4 per 100; $30 per 1000.
3 in. pots, $5 per 100.

EDW. J. TAYLOR, Southport, Conn.

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Nephrolepis Wittboldi

Do not fail to procure some of the first stock, for which we are booking orders.

THE GEORGE WITTBOLD CO., 1657 Buckingham Pl., Chicago.

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A Few Good Things You Want

KENTIA BELMOREANA and FORSTERIANA, 2¼ in., 10c.; 3 in., 18c.; 4 in., 35c.; 5 in., 50c. each.

ARECA LUTESCENS, 3 in., 3 plants to pot, 18c.; 4 in., 25c. each. All cool grown, nice clean stock, and cannot be duplicated anywhere for the money.

ROSE BRIDESMAID, 3 in., $5.00 per 100.

SWORD FERN, Nephrolepis Cordata Compacta, 2½ in., $3.00 per 100.

SMILAX, 2 in., $2.00 per 100.

REX BEGONIA, finest varieties, 2½ in., $4.00; 3 in., $6.00 per 100.

GERANIUMS, double and single, Grant, Mme. Bruant, Mrs E. G. Hill, Poitevine, Honnat and S. A. Nutt, 3 in., $5.00 per 100.

CAMPBELL VIOLET and VINCA VAR., 2½ in., $3.00 per 100.

PRIMULA CHINENSIS, 2 inch, $3 00; 3 inch, $4.00 per 100.

CINERARIA, 2 inch, $2.00; 3 inch, $4.00 per 100.

CYCLAMEN GIGANTEUM, 2½ inch, $4.00; 3 inch, $8.00 per 100.

ASPARAGUS Sprengeri and Plumosus, 2 in., $5.00; 3 in., $8.00 per 100 Cash with order.

Will exchange any of above for good field-grown plants of Flora Hill Carnation.

CEO. M. EMMANS, Newton, N. J.

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Asparagus Plumosus Nanus, EXTRA STRONG, from 3 in. pots; about ready for a 4-in. shift.

$1.00 per doz.; $8.00 per 100; $70.00 per 1000.

Orders amounting to $5.00 and over, f. o. b. New York City; these, from unknown correspondents, will be sent C. O. D.

SEAWANHAKA GREENHOUSES, W. L. SWAN, Proprietor, Lock Box 227, OYSTER BAY, NASSAU CO., N. Y.

Mention the Florists' Exchange when writing.

BOSTON FERNS Largest and finest stock in the country. 2 in. pots, $5.00 per 100; $40.00 per 1000. Fine plants from bench, $2.50 per doz.; $20 per 100; all sizes of pot plants from 6 in. up. Prices on application.

ASPARAGUS PLUMOSUS NANUS Fine strings, 10 to 12 ft. long, 60c. each, in any quantity. Extra strong plants in 2 in. pots, $5.00 per 100; $40.00 per 1000. **Asparagus Sprengeri,** 2 in. pots, $4.00 per 100.

FRESH FERN SPORES Mixed varieties. Package sufficient for 3000 to 5000 ferns, $1.00, postpaid.

EMERSON C. McFADDEN, United States Exotic Nurseries,

Telephone, 10 B Short Hills. SHORT HILLS, N. J.

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ASPARAGUS PLUMOSA

STRONG PLANTS, IN GOOD CONDITION

2 in pots, $5.00 per 100; $45.00 per 1000

3 in pots, $8.00 per 100; $70.00 per 1000

CASH WITH ORDER.

C. W. COX,

2nd and Bristol Streets, PHILADELPHIA.

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FOR SALE OR EXCHANGE Maiden Hair Fern. Fine, large plants, 3, 4, 5, 6 inch pots, $6.00, $8.00, $12.00 and $25.00 per 100, or will exchange for Carnations, Boston Fern or Palms. Cash with order.

WAVERLY GREENHOUSES, Tuckahoe, New York.

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Now ready. $5.00 per 100.

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BOSTON FERNS—2½ inch, $5.00 per 100; 3 inch, $8.00 per 100.

CRIMSON RAMBLER ROSES We will have a fine lot of field plants for winter forcing. Orders taken now.

THE CONARD & JONES CO., West Grove, Pa.

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WRITE TO US FOR PRICES BEFORE BUYING ELSEWHERE.

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PALMS AND OTHER DECORATIVE PLANTS At Greatly Reduced Prices.

Stock large and in fine condition. Send for new Wholesale list. Special prices on large orders. Send in list of your wants.

W. J. HESSER, Plattsmouth, Neb.

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CHOICE FERNS IN FLATS.

100,000 at One Cent.

JOHN H. LEY, Good Hope, Washington, D. C.

Can supply very good, hardy plants, which, potted now, will fill a 2½ in. pot in a few weeks, best market sorts. Have sent by mail and express to every State and Canada, and have given universal satisfaction.

Sample 100 mailed, $1.25
1000, in 10 Sorts, by Express, $10.00.

Pteris Cretica Alba, P. Adiantoides, P. Longifolia, P. Hastata, P. Sulcata, P. Tremula, Adiantum Grandiceps, Nephrodium Cristatum, Lygodium, Lomaria Gibba, Selaginellas, &c., &c.,

POST ORDERS, GOOD HOPE, D. C.

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ASSORTED FERNS $10.00 per 1000.

BOSTON FERNS $5.00 per 100; $40.00 per 1000. Larger plants, $10.00, $20.00 and $50.00 per 100.

ARECA LUTESCENS Extra large plants, from $1.50 to $4.00 each.

KENTIA BELMOREANA Ready for pots, $2.00 per 100; $18.00 per 1000.

PANDANUS VEITCHII 2 inch pots, $6.00 per 100.

PANDANUS UTILUS Fine, large plants, in 8 inch pots, $2.00 each.

JOHN SCOTT, In 8 inch pots, $1.50 each.

Keap Street Greenhouses, Brooklyn, N. Y.

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KENTIA BELMOREANA.

ARECA LUTESCENS.

A fine, clean, thrifty lot of this popular graceful variety.

			Doz.	100
2¼ in. pots,	1 plant in a pot,	8 to 8 in. high,	$1.00	$6.00
3 "	2 plants " "	10 to 12 "	1.25	10.00
4 "	3 " " "	12 to 15 "	3.00	25.00
6 "	3 " " "	24 "	12.00	100.00

KENTIA BELMOREANA.

Inch pots.	No. of Leaves.	Height.	Per doz.	Per 100	Per 1000
2¼	3 to 4	8 in.	$1 50	$12.00	$100.00
3	4 to 5	10 to 12 "	3.00	25.00	200.00
4	5 to 6	15 "	4.50	35.00	
5	5 to 6	18 " light	7.50	60.00	
			Each.	Dozen.	
6	6	24 "	$1 25	$15.00	
5	6 to 7	26 to 28 "	1.50	18.00	
6	6 to 7	28 to 30 "	2.00	24.00	

KENTIA FORSTERIANA.

Inch pots.	No. of Leaves.	Height.	Per doz.	Per 100	Per 1000
2¼	3	8 in.	$1 50	$12.00	$100 00
3	3 to 4	12 "	2.50	20.00	180.00
4	4 to 5	15.00	4.50	35.00	
			Each.	Doz.	
6	5	24 to 26 "	$1.00	$12.00	
6	5 to 6	30 "	1,25	15.00	
6	6	28 to 32 "	1.50	16.00	
6	6 to 7	30 to 36 "	2.00	24.00	
7	6	36 to 42 "	2.50	30.00	

COCOS WEDDELIANA.

Indispensable in filling Fern Dishes, Jardinieres, or for decorative purposes where a specially graceful plant is required.

	Per doz.	Per 100
2¼ in. pots, 4 to 5 ins. high,	$1.25	$10.00
3 " 8 to 10 "	2.00	15.00

5 in. pots, 4 plants in pot, 18 ins. high, 75 cents each; $9.00 per dozen.

COCOS PLUMOSUS.

2¼ inch pots.....$1.00 per doz.; $8 00 per 100
3 " ..... 1.25 " 10.00 "

ARECA BAUERI.

5 inch pots, 2 plants in a pot, 18 inches high, 75 cents each; $7.50 per dozen.

CALAMUS INTERMEDIUS.

A pretty decorative species, with dark green foliage, the stems of which are clothed with long dark spines. 5 inch pots, 15 inches high, $1.00 each.

CARYOTA URENS (Fish-Tail Palm).

2¼ inch pots.....$1.00 per doz.; $8.00 per 100
3 " ..... 1.25 " 10.00 "
4 " ..... 2.50 " 20.00 "

CARYOTA SOBOLIFERA.

2¼ inch pots, $1.00 per doz, $8.00 per 100; 3 inch pots, $1.25 per doz., $10.00 per 100.

LATANIA BORBONICA.

Inch pots.	No. of Leaves.	Height.	Per doz.	Per 100	Per 1000
2¼	3		$0.60	$5.00	$40.00
3	4 to 5		1.00	8.00	75 00
4	4 to 5	12 to 15 in.	2.50	20.00	

6 inch pots, 5 to 6 leaves, 15 inches high, $6.00 per doz., $50.00 per 100.

LIVISTONA ROTUNDIFOLIA.

2 inch pots.....$1.25 per doz.; $8.00 per 100
3 " ..... 2.00 " 15.00 "

PHOENIX RUPICOLA.

This variety is always scarce; we offer a limited lot of finely-developed plants.

2 inch pots.....$1.00 per doz.; $8.00 per 100
3 " ..... 1.25 " 10.00 "
4 " ..... 3.50 " 25.00 "

Finely characterized specimens as below:

6 inch pots, 18 inches high .....$1.50 each
8 " 24 to 26 " ..... 2.50 "
9 " 30 " ..... 3.50 "

PHOENIX RECLINATA.

2 inch pots.....$0.75 per doz.; $6.00 per 100
3 " ..... 1.00 " 8.00 "
4 " ..... 3.00 " 25.00 "

ARAUCARIA EXCELSA (Norfolk Island Pine).

Our stock of these is exceptionally large, especially in small and medium sizes, for which there is always a strong demand.

4 inch pots,	6 to 8 inches high,	2 to 3 tiers,	$0.50 each	
4 "	8 "	3 "	.60	"
6 "	12 to 14 "	3 "	1 00	"
6 "	16 to 18 "	4 "	1.25	"
7 "	20 to 24 "	4 to 5 "	2.50	"

PANDANUS VEITCHI.

6 inch pots, 15 to 18 inches high.....$1.00 each

Large Decorative Plants of Kentias.

WE have a large stock of Belmoreana and Forsteriana, in both single and made up plants, the most of them growing in light wooden tubs, 12, 15 and 18 inches in diameter, which can be supplied in excellent value at $7.50, $10.00, $12.50, $15.00, $20.00, $25.00, $30.00, $35.00 and $50.00 each.

The smaller sizes from $7.50 to $20.00, are somewhat damaged in the foliage, but for decorative purposes they are the best value we ever offered.

For a Complete List of Palms, Ferns and other Seasonable Stock, see our current Wholesale Catalogue.

INVITATION. Florists attending the Convention in New York are cordially invited to visit our establishment at RIVERTON, N. J.

HENRY A. DREER, 714 CHESTNUT STREET, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

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These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

SITUATION wanted in general greenhouse work, by single young man. Gus Miller, 136 Avenue C, New York.

SITUATION wanted by a grower of fine carnations and general stock, also fine designer. Address X. B., care Florists' Exchange.

SITUATION wanted as foreman, 14 years' practical experience in all branches; good decorator; single; age 30; English. X. C., care Florists' Exchange.

GARDENER, single, German, 30, thoroughly understands growing roses, carnations and general stock; good references. Gardener, 228 East 14th street, New York.

SITUATION wanted by a German, single, 18 years' experience, 6 years' in English Nurseries; well up in general stock, 'mums, roses, carnations, smilax, asparagus, etc. Good references. X. A., care Florists' Exchange.

GARDENER, florist and landscape gardener, also understands growing of any kind of vegetables; 23 years' experience in all branches of a gentleman's place or estate; age 37, German, single. J. O. S., 431 Second ave., New York City.

WANTED—Position, by young German florist, thoroughly experienced in all lines as roses, carnations, mums, and general greenhouse stock; A No. 1 designer and decorator, 14 years experience, age 28 years, single, sober, honest and temperate. G. Gottschlich, care Lakeview Flower Store, Lexington, Ky.

ROSE AND CARNATION SPECIALIST —'mums and violets if required; age 30; good references. W. Y., care Florists' Exchange.

SITUATION WANTED AS FOREMAN by a man of 26 years' experience in roses, carnations, violets, 'mums, decorative plants, etc.; has had charge of leading places; first-class references. Foreman, 249 N. 10th St., Philadelphia, Pa.

FLORIST—OPEN FOR ENGAGEMENT, understands all work pertaining to greenhouses, good grower, propagator and designer; understands boilers, pipeing and repairing; sober and industrious; good references. H. A. Pinney, Windsor Locks, Conn.

AN ENERGETIC AND THOROUGHLY reliable young man, 23, of good address; 3 years' experience in growing; wants situation to learn designing, bouquet-making, etc.; wages no object; can wait some time for opening if necessary. W. W., care Florists' Exchange.

HELP WANTED.

A YOUNG man wanted for general greenhouse work; German preferred; state wages. H. Schoelzel, 537 Fulton St., Union Hill, N. J.

SALESMAN wanted, in our flower seed department; must be thoroughly familiar with flower seeds and bulbs. Also acquainted with the florist trade. W. W. Rawson & Co., 12 and 18 Faneuil Hall Square, Boston, Mass.

WANTED—Superintendent, to have entire charge of gentleman's place, comprising about 150 acres, at Morristown, N. J.; must be first-class gardener, thoroughly experienced in all branches of gardening, and be familiar with stock and farming. Reply, stating terms, to O. H. K., P. O. Box 1193, N. Y.

MISCELLANEOUS WANTS.

WANTED—25 or 50 boxes of 11x14 or 10x14 D. glass, second-hand, and 1,000 feet 2-inch pipe. John McGowan, 9 Park St., Orange, N. J.

WANTED—A SECOND-HAND HOT Water Boiler, to heat about 1000 ft. of 4 in. pipe. Must be in good condition and cheap. Give name of boiler, size, condition and price. Riverside Gardens, Binghamton, N. Y.

MISCELLANEOUS.

FOR SALE, some extra good second-hand 3-inch pipe, at 6c. per foot; also some 4-inch; secure it while it lasts. W. H. Salter, Rochester, N. Y.

FOR SALE—2500 feet of 4 in. cast iron pipe, 8 cts per foot. First-class order. F. O. B. J. G. Pfordt's Sons, 839 Broadway, Albany, N. Y.

VIOLET MARIE LOUISE. Fine healthy clumps, out of bench for immediate delivery, $3.00 per 100, $30.00 per 1000. Your money back if stock is not A1

WM. S. HERZOG, Morris Plains, N. J.

Mention the Florists' Exchange when writing.

CHINESE PRIMROSES 2½ and 2¾ in. pots, mixed, $2.00 a 100. FORBESII, magenta red new, $5.00 per 100; 75 cts. per dozen. Cash, please.

JOHN E. DE WALT, Box B2, CARLISLE, PA

Mention the Florists' Exchange when writing.

VIOLETS. VIOLETS.

Marie Louise, clean and healthy in every particular 3 in. pots, $5 00 per 100; ready

Cash with Order.

WM. J. CHINNICK, - Trenton, N. J.

Mention the Florists' Exchange when writing.

BUSINESS OPPORTUNITIES.

MUST be sold at once, 9 greenhouses, with 30,000 ft. capacity, situated 25 miles east of Buffalo, on the N. Y. Central; terms easy, and will be sold at half cost of building. D. Dimock, Corfu, N. Y.

SIX GREENHOUSES to let on lease, close to trolly and station, well stocked with roses, carnations, violets and chrysanthemums; a good chance for man with small capital. For full particulars, apply Stanley, Plainfield, N. J.

OWING to ill health, the City Greenhouse, Hutchinson, Kan., is offered for sale; stock, buildings and land, 2060 feet glass, 30,000 feet land; location two blocks from post office; good opening for a hustling young man. Address S. G. Johnson, Hutchinson, Kan.

FOR SALE—14,000 feet of glass, used mostly for roses, 4 acres of ground and 2 dwelling houses; 3 minutes from station, city improvements, hot and cold water, and good forcing water in greenhouses supplied by Summit Water Co. On account of illness with rheumatism, will sell whole or part interest. A. Harth, Milburn, N. J.

TO LEASE, on excellent terms, a fine acreage of land situated within one hour of New York. Very accessible, with large and commodious greenhouses, flower gardens, dairy, large brick buildings for cows and horses. Land capable of raising all kinds of products, shrubs, trees, etc. Will lease whole, or in part, to suit. Owner having a piece of land within easy reach of the above is willing to pay for the care and work on the same if terms can be agreed upon. Particulars may be had by addressing Talbot Root, 27 Pine street, New York City.

FOR SALE—1200 FEET 4-IN. CAST iron hot water pipe, in 5 ft. lengths, at 9c. per foot, f. o. b. cars. F. Hahman, Harrowgate Lane, Sta. F, Philadelphia.

L. USSING'S GREENHOUSE PROPERTY Exchange, 53 W. 28th St., New York (with O. E. Bradshaw). Telephone, 1239 Madison Sq. Sell, rent or exchange at all times.

FOR SALE OR RENT—SIX GREENhouses, 12000 feet glass, well stocked with chrysanthemums and roses, located on Jersey City Heights. Terms easy. For particulars and price, or terms, address W. J., care Florists' Exchange.

FOR SALE OR RENT, CHEAP TO RE-sponsible party, on account death, a first-class place, built last year, New Jersey, 6 miles from New York; size, 200x300 feet; splendid soil and sod; one 3-4 span house, 150x20; one house 115x10; frames, heatable; small dwelling, city water; houses and outdoor well stocked with cut flowers. Sold on easy terms. Rent $25 per month. W. O., care Florists' Exchange.

VIOLETS

6000 March Struck **Farquhar**, 3 inch pots, fine healthy stock.

500 DRACÆNA SANDERIANA, 3 inch, ready for a shift.

State Quantity. Price on Application.

J. R. FREEMAN, 612 13th St. N. W., **Washington, D.C.**

Mention the Florists' Exchange when writing.

VIOLET PLANTS

Strong, healthy stock, 3½ in. pots.

MARIE LOUISE, FARQUHAR, IMPERIAL, $3.00 per 100.

JOHN JONES, Convent Station, New Jersey.

Mention the Florists' Exchange when writing.

VIOLETS From pots, A1 stock, free from disease: **Lady Campbell, M. Louise and Farquhar,** $2.50 per 100; $20.00 per 1000. **New Imperial,** $3.00 per 100; $25.00 per 1000. 3-inch pots of **L. Campbell, Farquhar and M. Louise,** $4.00 per 100; $35.00 per 1000.

ROSES Fine plants of **Meteors and Perle,** from 3-in pots, at $3 per 100, $25.00 per 1000; also 3-inch **'Maids and Brides,** same price.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

Marie Louise Violets

Strong Healthy Plants,

$3.00 per 100, $25.00 per 1000.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

VIOLETS MARIE LOUISE

Strong, clean, healthy plants, from flats, for immediate planting, $2.50 per 100; lot of 2000, $45.00. This is a great bargain. Also a small lot of

CINERARIA Ready for 3 inch pots, strong and well-grown, $3 00 per 100.

CASH WITH ORDER.

EMILY S. CONCKLIN, Amenia, Dutchess Co., N. Y.

Mention the Florists' Exchange when writing.

VIOLETS!

5000 Marie Louise

From 4 inch pots.

Positively free of all disease and single crowns $5.00 per 100; $40.00 per 1000.

2000 SELAGINELLA

Strong plants, from 3½ inch pots, $6.00 per 100.

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

PLANT CULTURE

Hitherto Advertised as

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A two hundred page book, of inestimable value to all, for only **$1.00.**

A. T. DE LA MARE PTG. & PUB. CO., Ltd.

P. O. Box 1697, New York.

BEAUTIFUL ESTATE AND FLORIST BUSINESS, EXETER, N. H., TO BE SOLD AT AUCTION, on the premises, Wednesday, September 5, at 10:30 A. M. (if rainy, the next fair day), unless previously sold at private sale. An ideal home or investment. Don't lose this chance. About 50 acres fine tillage land, fronting on Portsmouth avenue; large 12-room dwelling, hot-water heat, slate roof, etc.; large slate-roof barn, carriage house and carpenter shop, all conveniently and attractively arranged. Live stock, hay, wagons, carriages, all working tools and appliances, and many personal household effects. An extensive and profitable florist business—wholesale growing—long established, included; practically no competition; 15,000 square feet of glass, six large greenhouses, grand soil; sales limited by production only; 5 minutes from business district, electric and steam cars near; adjoins compact part of the town; delightfully situated; town famous for its beauty, refinement and rare educational advantages; Rye, Hampton and Salisbury beaches in easy distances and with electric connections; property should be seen to be appreciated; inspection may be made at any time; present owner to retire from business and remove from town; $500 cash deposit at sale, balance on easy terms. Descriptive and illustrated booklet mailed upon request. Address HAYES ESTATE, Exeter, N. H.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Roschouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.

Mention the Florists' Exchange when writing.

Third Annual Meeting of the Canadian Horticultural Association.

Held at Montreal, Aug. 16, 17 and 18, 1900.

The Third Annual Convention of the above society was opened on Thursday morning, August 16, in the hall of the Natural History building. The address of welcome to the delegates was delivered by Acting-Mayor Cagnon, to whom Mr. Millar, of Toronto, replied in a very happy manner.

James McKenna, of Montreal, president of the Association, in delivering his address, spoke of the honors lately won by Canadian florists all over the continent. Alluding to the Canadian duty on plants, he advocated a committee being formed to suggest to the government what, he thought, would be some advantageous amendments to the existing laws.

The suspension of the clause in the San José scale act, by the Canadian Government; thus allowing the entry of the newest of the varieties of roses grown under glass, he considered to be quite a boon to our rose growers.

W. Scott, of Buffalo, being invited to address the meeting, dwelt at length on the subject of horticulture at the coming Pan-American Exhibition at Buffalo, assuring the Convention that a visit to that exhibition would be of the utmost importance to all growers of plants and flowers. Mr. Scott thought the Canadian Government should have a building at that exhibition and should be officially represented.

A resolution moved by S. S. Bain, seconded by W. Gammage, was adopted, asking the Dominion Government to arrange for official representation at the Pan-American Exhibition.

A resolution by the same gentleman was also adopted, urging the advisability of the Dominion Government giving Toronto the grant of $100,000 asked, to help enlarge the Toronto Exhibition of 1901, from a provincial to one of national importance, when it would attract many of the visitors to the Buffalo Exhibition. The resolution was sent to the manager of the Toronto Exhibition, and will be forwarded to the government by him, with like resolutions from other important bodies.

The actiag mayor took occasion to remark that the matter of Montreal's representation at the Pan-American should be brought up in public discussion.

Messrs. Thos. Manton, of Eglinton; W. Scott, of Buffalo; S. S. Bain, of Montreal, were appointed a committee to report on the trade exhibit.

The report of the secretary was then read, and showed an increase for the year in membership of over 100 per cent.

The afternoon was devoted to seeing the city, the delegates boarding special electric cars at Domiuion Square at 3 o'clock.

The evening session was opened by the Rev. Dr. Campbell, who called the attention of the Convention to the neglected wild flowers of Canada. No horticultural collection could be considered complete without specimens of many Canadian orchids and ferns.

S. S. Bain read a paper on "The Advantages of Organization in Our Business." He considered a very great many of our troubles arose from the lack of this most important essential. Among the many points, he enumerated a system by which plants, especially such varieties as are used in large quantities for bedding purposes, could be classified as to quality which would be a great help. He advocated the formation of a society on the lines of the S. A. F. Buyers' Association. This, he argued, might not be a success in every line, but it would effect a great saving in such lines as bulbs, and standard varieties of plants, that must be imported in large quantities.

In the discussion following, the majority inclined to the opinion that while organization on general lines would be beneficial, the details must always be governed by individual opinion.

President McKenna expressed the view that lack of education more than lack of organization was the root of many of the evils to which the craft was subjected. Judging from local conditions, the prices of the larger and educated growers were always up to the level of a fair profit; the trouble is with a lot of petty growers, who never take the trouble to ascertain what is the cost of production, what is a living profit on the plants sold, or if the plants are of the quality and varieties to give satisfaction.

A vote of thanks to Mr. Bain was moved by Mr. Gammage, seconded by A. Martin, and carried unanimously.

Mr. Dunlop read a paper on "Roses Up to Date." (This paper is given elsewhere.) A lengthy discussion on the variety Liberty followed, many who were present and had seen it growing were as enthusiastic in its praise as was Mr. Dunlop. In the discussion Mr. Scott recommended Katherine Augusta Victoria and President Carnot as excellent summer-flowering varieties, either grown under glass, or planted in the garden. The thanks of the Association were heartily accorded Mr. Dunlop.

Geo. Robinson, Outremont, read a paper "How to Make a Private Place Attractive." Trees and shrubs planted thickly to secure immediate effect and ignorance of the best and most suitable varieties, and of their natural characteristics, were the principal causes of failure at present. To secure the employers' interests, make the place attractive, grow a good selection of the best varieties and have one specialty for each season.

Friday.

Friday morning the first paper taken up was Prof. Fletcher's "Hints on the Treatment of Plants," which in the regrettable but unavoidable absence of the professor was read by the treasurer, Mr. Simmers. This paper was full of practical hints, and included several formulas to be used in treating diseased plants and trees. Tar paper discs around the stem, as a preventive of injury by the cabbage worm, were strongly recommended, as was also the burning of all waste and refuse material in the Fall, instead of leaving the same until Spring, in which latter case it becomes the breeding place of all sorts of fungus diseases. The paper closed by inviting all members of the Association to submit to the Agricultural Department at Ottawa questions concerning troubles they might experience with plants and did not understand, and where possible, enclose specimens of the subjects affected.

In the discussion, the subject of the bordeaux mixture's lack of keeping quality was considered its chief fault. Some advised preparing its ingredients separately, and mixing in proportion as required. Some of the delegates were also of the opinion that the mixture could be prepared in paste form, all ready for mixing with water.

Mr. Findley's (Exhibition Park, Toronto) paper was read by Mr. Manton. Mr. Findley always propagates his violets from cuttings. Experience has taught him that by this method he secured an increase in the cut of 25 per cent. over other methods of propagation. The plants are planted direct from the sand bed, and the glass removed until the bed is frozen solid enough to bear a man's weight without showing the impression of the heels of his shoes, when the glass is replaced and plants are started to grow.

T. Manton read a paper on "Herbaceous Plants," enumerating many of the varieties that he had tried and found suitable to our northern climate. He especially recommended the clear and bright varieties, many splendid sorts being useless for commercial purposes, owing to lack of this essential. Mr. Manton found that this portion of his business was growing far more rapidly than the section devoted to annual and soft-wooded varieties.

In the discussion, Mr. Nott, St. John N. B., made some very interesting remarks concerning the park system in that city, of which he is the superintendent. Contrary to the usual custom, the system is not the property of the civic authorities, but of the St. John's Horticultural Society. It consists of 600 acres of formerly waste and swamp lands, which being taken in hand by this society, is now, after a very few years, a splendid park, assessed at $100,000 value. It now contains miles of splendid roads, a chain of lakes, scores of acres in extent, filled with aquatics; hardy perennials are mostly used as flowering plants, as the society lacks the greenhouse facilities for growing soft-wooded stock. It is the intention of the society, as soon as the system is complete in every respect, to present the entire park to the City of St. John which city will then be in the unique position of owning a fully equipped park, on which not one cent of public money has ever been expended.

Place of Meeting.

The place of meeting for 1901 was next considered. Mr. Gammage, of London, Ont., on behalf of himself and brother florists, extended a cordial invitation to the society to make London their place of meeting in 1901. Mr. Gammage also read letters addressed to the association from the Mayor and Board of Trade of London, in support of his invitation. Mr. Scott, of Buffalo, endorsed London as it was near Buffalo, and he wanted all the Montreal members to see the horticultural display at that exhibition. After other western members had added their quota, the vote was called and London was unanimously selected as the next place of meeting.

In the Question Box, among others, "What should a florist pay his assistants," was assigned for answer to Messrs. Dunlop, Bain and Scott. The unanimous opinion was that the right man and not the money was the essential. A good man was worth all his employer could afford to pay him. The best men were the men who had grown up with the place and who often started in the most menial positions.

The afternoon was spent in a visit to Joseph Bennett's commercial place at Lachine and the grounds of Mr. T. A. Dawes (C. A. Smith, gardener), where refreshments were served. After a vote of thanks to the donor, the party boarded the steamer Sovereign, and many for the first time experienced the novelty of a trip down the rapids and to the city.

The concluding session opened with a very important paper, entitled "Modern Heating and Ventilation," by R. W. King, C. E., Toronto. This gentleman has made a very exhaustive study of steam heating as applied to horticultural establishments, and installed the entire plant at the place of the late Harry Dale, of Brampton. Steam heating and automatic ventilating were the portions treated on, and many comparative tests were given and with instruction for installing an entire plant. Some of the delegates were in favor of printing this paper, as they thought its length would render its publication in full in the trade papers improbable. Mr. King, however, said the paper was already bespoken by two of the leading engineering journals, who had undertaken to print it in full; and in event of its abbreviation in the horticultural press, any number of copies containing the full text could be supplied.

A paper entitled "Commercial Orchids," by Mr. Goodier, Exhibition Park, Toronto, was read. The best sort for commercial work was the cattleya, and full instructions for the care of the same were given.

Mr. Gammage, on "Carnations Up to Date," came next. He considered the best of the commercial varieties of 1900 to be Ethel Crocker, Lady Van Horne and Genevieve Lord.

Election of Officers.

Election of officers for the year beginning January 1, 1901, resulted: President, J. H. Dunlop, Toronto; first vice-president, Joseph Bennett, Montreal; second vice-president, G. W. Rennie, London, Ont.; secretary, A. H. Ewing, Berlin, Ont.; treasurer, H. Simmers, Toronto; executive committee for three years, George Robinson, Outremont; C. G. Nott, St. John, N. B.; W. Gammage, London. For one year, F. C. Miller, Toronto.

The Exhibit.

The judges' report on trade exhibits were: J. Campbell, Simcoe, 250 spikes of gladioli, very highly commended.

W. Gammage, for carnations in pots, Gloire de Lorraine begonias, violets in pots, and small ferns. Highly commended.

C. A. Smith, two vases zinnias, two vases double dahlias, plants of Acalypha Sanderi. Highly commended.

Graham Bros., Ottawa; collection of commercial ferns. Highly commended.

C. A. Scrim, Ottawa, collection of commercial ferns and plants of ericas, in pots. Highly commended.

Saturday.

Saturday the delegates were the guests of the City of Montreal. Entering the carriages provided at 9:30 a. m., a visit was paid to the principal private establishments in the city, followed by an inspection of the fine bedding surrounding Park Superintendent Henderson's house, on Mount Royal. A short time was spent at the "Lookout," from where the city, river and surrounding country, 900 feet below, is spread out like a huge panorama. At the park restaurant refreshments were served, followed by a drive to Mr. Joyce's (George Robinson, gardener) fine place at Outremont, where, after the entire party had been photographed, luncheon was served. After thanks to Mr. Joyce, George Trussell was visited with more refreshments, arriving back at the Windsor at 5:30 p. m.

The Banquet.

The banquet tendered to the visiting delegates by the Montreal Gardeners and Florists' Club was held in the Wulford Hall in the evening; 70 covers were laid. A most enjoyable evening was spent. W. Ewing was toastmaster.

The singing of "Auld Lang Syne" and "God Save the Queen," completed three of the most instructive and enjoyable days ever spent by the craft of Montreal.

B.

GRALLERT & CO.
Carnation Growers,
Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.
COLMA, San Mateo Co., CAL.
Mention the Florists' Exchange when writing.

WM. MURPHY,
Wholesale Carnation Grower.
Sta. F., CINCINNATI, O.
Mention the Florists' Exchange when writing.

CARNATION PLANTS
Field-grown carnation plants of the following varieties, now ready: Mrs. Francis Joost, Triumph, John Young, Flora Hill, and Victor. Price, $5.00 per 100. Cash with order.
GEO. R. GEIGER, Nazareth, Pa.
Mention the Florists' Exchange when writing.

FOR SALE. TEN THOUSAND
Model Extension Carnation Supports
Good as new. A Bargain.
No reasonable offer refused.
F. L. HART, Flushing, L. I., N. Y.
Mention the Florists' Exchange when writing.

Extra Fine Field-Grown
CARNATION PLANTS
Let us figure on your wants.
CHICAGO CARNATION CO., Joliet, Illinois.
Mention the Florists' Exchange when writing.

FIELD-GROWN CARNATIONS
Glacier, Evanston, Jubilee, Armazindy, Victor, A. Wenh, F. Hill, Daybreak, Dana, Meteor, Morello, Cartledge, McGowan, Bridesmaid, Eldorado, Portia, John's Scarlet, Scott. Fancy stock, $5; ordinary, $3.
CASH.
DANA R. HERRON, Olean, N. Y.
Mention the Florists' Exchange when writing.

CARNATIONS
WM. SWAYNE, Kennett Square, Pa.
Mention the Florists' Exchange when writing.

CARNATIONS
Field Grown MARQUIS.
First size, $15.00; Second, $10.00.
L. E. Marquisee, Syracuse, N. Y.
Mention the Florists' Exchange when writing.

CARNATIONS
Field-Grown Plants.
F. DORNER & SONS CO.,
La Fayette, Ind.
SEND FOR PRICE LIST.
Mention the Florists' Exchange when writing.

25,000 MAUD ADAMS
Wm. Scott, McGowan and Portia.
In the best of health. This is not surplus stock. Plants will be sent just as they run in the field. I do not plant any carnations this season. Write for prices.
FRANK NIQUET, Florist, Patchogue, L.I., N.Y.
Mention the Florists' Exchange when writing.

FIELD-GROWN
CARNATIONS
Daybreak, McGowan, Scott, White Cloud, etc.
Prices and Samples on Application.
THE BOOL FLORAL CO.,
ITHACA, N. Y.
Mention the Florists' Exchange when writing.

GENEVIEVE LORD
Another year's trial convinces us that it is not only a worthy successor to Wm. Scott, but far superior to that variety in every way. In short, it is the finest pink carnation to date, all things considered. We offer a limited number of field-grown plants as follows: First size, $12.00 per 100; Second size, $10.00 per 100. Also a few other varieties. Write for prices, etc. Delivery September 1st.
H. WEBER & SONS, Oakland, Md.
Mention the Florists' Exchange when writing.

60,000 FIELD GROWN CARNATION PLANTS.
Argyle, Pingree, Tidal Wave, Evelina, Gold Nugget, Flora Hill, Triumph, Scott, McGowan, Armazindy
Per 100, $3.50; Per 1000, $30.00.

ROSE PLANTS.
Meteor, Bridesmaid, Bride: 2½ and 3 inch pots, per 100, $3.00; per 1000, $25.00.
American Beauty, 3 in. pots, Per 100, $5.00; per 1000, $45.00.
GEORGE REINBERG,
51 Wabash Ave., CHICAGO, ILL.
Mention the Florists' Exchange when writing.

30,000 Field Grown Pinks, Twenty-three Varieties, Scott's and John's Scarlet,
At $4.00 PER HUNDRED,
Price of Other Varieties on application.
C. L. HOWE, Dover, N. H.
Mention the Florists' Exchange when writing.

Asparagus Plumosus Nanus Fine young plants $5.00 per 100.

Begonia Rex Strong, 3 in. pot plants, in good assortment, $6.00 per 100.

Cyperus Alternifolius 2¼ inch pots, $3 00 per 100.

Cyclamen Dry Bulbs, finest strain mixed, $6.00 per 100.

Carex Japonica Variegata An excellent decorative grass. Extra strong plants, from 2½ in. pots, $5.00 per 100,

Nephrolepis Cordifolia 2½ in. pots, $3.00 per 100.

Smilax Field-grown, stroog cimmps, $3.00 per 100; Extra heavy, $5 00 per 100.

NATHAN SMITH & SON,
ADRIAN, MICH.

Mention the Florists' Exchange when writing.

AT A BARGAIN.

500 Bridesmaid Roses, 3-in., good stock, at $4.00 per 100; the 500 for $18.00 cash.

Palms, Kentia, Belmoreana, 2-in., per 100, $7.00; 3-in., per 100, $20.00.

Latania Borbonica, 3-in., per 100, $15.00.

Dracæna Sanderiana, 2-in., per doz., $1.50.

Selaginella Emmeliana, 2-in., per 100, $3.00.

Asparagus Sprengeri, fine, 2-in., per 100, $4.00.

Grevillea Robusta, 3-in., per 100, $5.00.

Rex Begonias, 3 in., in 10 good varieties, per 100, $7.00.

SMILAX.
Good Stock, from Pots, at $1 25 per 100; $10 per 1000.
Satisfaction Guaranteed. Cash with Order.

GEO. L. MILLER, Newark, Ohio.

Mention the Florists' Exchange when writing

XXX STOCK For Immediate Shipment.

Cyclamen Persicum Splendens Giganteum, finest strain in the world, in 4 true colors, a splendid stock of plants, from 2½ in. pots, $5.00 per 100; $40.00 per 1000; from 3 in. pots, $7.00 per 100; $60.00 per 1000.

Chinese Primroses (fringed), single and double, in the finest market vars., from 2¼ in. pots, $2.50 per 100.

Begonia Rex (rooted cuttings), in 15 vars., mixed, $1.50 per 100; assorted, $2.00 per 100

Cinerarias Hyb. Maxima Grandiflora Nana, from flats, $1.50 per 100; from 2½ in. pots, $2.50 per 100; $20.00 per 1000.

Carnations (field-grown), stroog, healthy plants—Daybreak, Wm. Scott, McGowan, White Cloud—first size, $1.00 per 100; $35.00 per 1000; second size, $3 per 100; $25 per 1000.

250 plants of any the above at the 1000 rate.

ALL STOCK GUARANTEED A No. 1.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

ORCHIDS

Arrived fresh from the woods in fine condition. **Lælia Anceps, L. Autumnalis, L. Crispa, L. Flava, L. Grandis, Tenebrosa, L. Perrinii, Oncidium Varicosum Rogersii, Cattleya Percivalliana,** and **C. Mossiæ.**

CORRESPONDENCE SOLICITED.

LAGER & HURRELL, Summit, N. J.

Mention the Florists' Exchange when writing.

PRIMULA CHINENSIS

In six colors, mixed, stroog plants, out of 2 in. pots, $2.00 per 100. Out of 3 in. pots, $3.00 per 100.

PANSY PLANTS

Cassier and Trimardeau, large flowering, 35 cts. per 100; $3.00 per 1000. (Cash with order.)

H. STAHLHUT, New Lots Road and Shepherd Ave., BROOKLYN, N. Y.

Mention the Florists' Exchange when writing.

ALTERNANTHERAS

P. Major and **A. Nana,** 2 in. pots, $1.50 per 100.

COLEUS.

Crimson Verschaffeltii and **Golden Queen or Bedder,** or mixed, 2 in. pots, $1.50 per 100.

Giant Sweet Alyssum and **Variegated Alyssum,** 2 inch pots, $1.50 per 100. Cash with order

C. A. HARRIS & CO., Delanson, N. Y.

Mention the Florists' Exchange when writing.

Dracæna Indivisa 2 in. pots, per 100, $3 00; 1000, $25.00. **Hollyhock,** Double Royal, white, trd. pkt., 25c.; oz., $1.00; fine mixed, pkt., 20c.; oz., 75c. **Carnation,** hardy double Grenadin, trd. pkt., 25c.; oz., $1.50; Early Double, white, hardy, trd. pkt., 25c.; oz., $2.00. **Wall Flower,** double brown flower, trd. pkt., 50c. **Bellis Perennis,** Longfellow Daisy, double red, trd. pkt., 25c.; oz., $1 75; double white, trd. pkt., 25c.; double mixed, trd. pkt., 10c.; oz., $1 00. **Myosotis,** dwarf Victoria, blue, extra trd. pkt., 25c.; oz., $2.00. **Sweet William,** dwarf, mixed, trd. pkt., 10c.; oz., 75c. **Scotch Pink,** double, mixed, trd. pkt., 20c. N. B.—All these seeds are of 1900's crop, guaranteed to give satisfaction, or no pay. Sample free.

BEAULIEU, Walker and Belmont Aves., **Woodhaven, N. Y. City**

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CINERARIAS We grow an immense quantity of a superb strain; transplanted in flats, $1.50 per 100, 400 for $5.00; 2¼ in., $2.00 per 100, 300 for $5.00; 3 in., $3.00 per 100, 400 for $10.00.

Cineraria Seed, trade packet, 50 cents.

Chinese Primula, 2¼ in., $2.00 per 100; 3 in., $3 00 per 100.

Cyclamen Persicum Giganteum, 3 in., $6.00 per 100; 4 in., $8.00 per 100.

Pansy Seed, our own superior mixture, largest trade packet, 50 cents; ounce, $3.00; ½ ounce, $1.75.

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Wholesale Florists,
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Improved Chinese, ready for 3 in. pots. Well known throughout the U. S. and Canada as the finest large-flowering fringed varieties grown. **Singles,** named, $2.00 per 100; $17.00 per 1000. **Doubles,** named, $3.50 per 100. Extras added to help pay expressage. **Primrose Seed,** of best 15 vars., single and double, mixed, 500 seeds, $1.00; half packet, 50 cts.

Primula Obconica Grand Hybrida, The very finest hybrid varieties, of various shades; large flowering and truly grand, $3.00 per hundred.

Cinerarias, Finest large flowering dwarf varieties; mixed colors, $2.00 per 100.

FINEST GIANT PANSY SEED.

The very best of mammoth varieties; no finer ever offered; all the seed plants critically selected. **Sow the Best.** Packet, 3500 seeds, $1.00; half pkt., 50cts A packet of the grand new dwarf Forget-Me-Not, "Blue Beauty," added to every seed order. Strictly cash prices.

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	Per 100
Asparagus—	
Plumosus, 2¼ in.	$5 00
Sprengeri, 2 in.	3.00
" 2¼ in.	4.00
Begonia, Rex, 2¼ in.	4.00
" " 3 in.	6.00
" " 3½ in.	8.00
Baby Primrose, 2¼ in.	4.00
Cyperus (Umbrella Palm) 2¼ in.	4.00
Dracæna Ind., 3 in.	6.00
" " 5 in.	25.00
" " 6 in., extra	50.00
Fuchsia, 2¼ in.	$3 00
" 3 in.	4.00
Palm, Washingtonia Filifera, 2¼ in.	4.00
3 in.	6.00
Geraniums—	
Ivy, 3½ in.	4.00
S. A. Nutt, Dbl. Grant, La Favorite, Eliza, Gloire de France, etc., 2¼ in.	3.00
Happy Thought 2¼ in.	4.00
Dbl. New Life, 2¼ in.	6 00
Heliotrope, 2 in.	3 00
Heliotrope, 4 in.	$6.00
Hydrangea, pink and white, 2¼ in.	5.00
Impatiens Sultani, 2¼ in.	3.00
Lemon Verbena, 2 in.	3.00
Var. Trailing Abutilon, 2¼ in.	4.00
Violets, Farquhar, 2¼ in.	2.50
" 3 in.	3 50
Vinca, 2¼ in	3.00
" 3 in.	5.00
" 4 in.	10.00
" 5 in	15.00

ROOTED CUTTINGS.

	Per 100
Anthemis Cor., Dbl. Yellow Marguerite	$1.50
Begonia Rex	2.00
Forget-Me-Nut, (Winter-flowering)	2 00
Geraniums— Sweet, in variety	1.50
Named	1.50
Vinca, per 1000, $10.00;	1.25
Snow Crest Daisy	2 00

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ASPIDISTRA, Green, $5.00 per 100.
" Variegated, $8.00 per 100.
SMILAX, strong, 2 in., $1.50 per 100.
JERUSALEM CHERRY, 2 in., $1.50 per 100.
FICUS, top cutting, fine, $18.00.

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Rooted Cutting Specialist,
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Dbl. Petunias, Echeveria Secunda Glauca Cannas, Dahlias, Pansies, Carnations.

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A Business Paper FOR Business Men: The FLORISTS' EXCHANGE

TWELFTH ANNUAL

Horticultural Exhibition

TO BE HELD AT

Ridgewood Park, L. I.,

Sept. 2d, 3d, 4th, 5th and 9th, 1900,

UNDER THE AUSPICES OF THE

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Ardisia Crenulata, fine strong plants from 2 inch pots, ready for a shift, $5.00 per 100.
Cash, please.

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Very fine lot in 3 in @ $7.00 per 100.
Smilax strong, 2¼ in @ $2.00 per 100.

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25,000 SMILAX That will grow and make strings this fall From 2 inch pots, $1.50 per 100; $13 00 per 1000. From flats, by mail, 50c. per 100; $4.00 per 1000 Send for samples.
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Fine Plant, from 3 in. pots, cut back, $2.50 per 100.
Cyperus Alternifolius, 2½ in. pots, $2.50; 3 in. pots, $3.50; 4 in. pots, $8.00 per 100.
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Coleus, from soil, fine plants, in variety, 60c. per 100; sample 10c. Low express rates.
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Primula Forbesi (Baby Primrose), extra fine plants from 3 in. pots, ready for 4s and 5s, only $5.00 per 100.

Primula Obconica Grandiflora, 2 in., $2.50 per 100.

Primula Obconica Grandiflora Rosea, 2 in., $2.50 per 100

Begonia Rex, 15 varieties, 3 inch, $5.00 per 100.

Cyperus Alternifolius, 3 in., fine, 5 to 8 stems, $5.00 per 100. Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

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Philadelphia.

Pennsylvania Horticultural Society.

Contrary to all expectations, the meeting of this society, on Tuesday last, was the best so far of this year, for not only was there a good attendance, but there was also a very large exhibit, over 300 vases being required to hold the outdoor cut flowers, which were staged for the prizes offered by Henry A. Dreer, Inc.

There were six exhibitors, Joseph Farley, gdr. to James M. Rhodes, Esq., Ardmore, Pa., took first and John McClenry, gdr. to Wm. Weightman, Esq., School Lane, Philadelphia, second for the Dreer prizes for cut flowers of aquatics.

Wm. Fowler, gdr. to Mrs. Chas. Wheeler, Bryn Mawr, Pa., took first and Wm. Robertson, gdr. to Jno. W. Pepper, Esq., Jenkintown, second for the prizes offered by Henry F. Mitchell. Francis Canning, gdr. to Samuel T. Bodine, Esq., Villa Nova, took first for Magnus tomato, and Joseph McGregor, gdr. to Mrs. Thos. A. Scott, Landsdowne, Pa., second. John McCleary first for sugar corn, and Francis Canning second.

For the prizes offered by H. Waterer, for 12 best tomatoes, any variety, Robt. G. Carey, gdr. to Thos. C. Price, Esq., Chestnut Hill, took first, the variety selected being Stone, the seed being carefully selected by the exhibitor from a few plants three years ago, which showed superior quality from others. The fruit staged was far superior to any other on exhibition. Second prize was taken in this class by Wm. H. Carey, gdr. to Mrs. Allen B. Rorke Ardmore. There were eight other exhibitors in this class, the varieties staged were, in addition to the one above, Stone, selected trophy, Magnus and Ponderosa. John Hobson, gdr. to Edw. A. Schmidt, Esq., Radnor, exhibited a well-grown plant of Allamanda Williamsii, also six vases of Allegheny hollyhocks. Alphonse Pericat, gdr. to Mrs. Geo. B. Wilson, was awarded a silver medal for new hybrid orchid, Laeliocattleya velutina elegans, also a certificate for cut flowers of laelias and cattleyas.

At the September meeting of the Society the chief attraction will be dahlias; prizes will also be offered again for outdoor cut flowers.

Hail visited this vicinity on Saturday afternoon, August 18; no damage has been heard of among florists, but 12 miles out, at Bryn Mawr, the suburban place of Geo. W. Childs Drexel, Esq., caught the full force of the storm; all the glass in the large greenhouses was smashed, doing considerable damage to the choice collection of plants; much damage was also done to the valuable collection of trees on the lawns.

DAVID RUST.

Baltimore.

Cut-Flower Market.

Outdoor roses and carnations are coming in quite good. The recent rains and cooler weather has helped all outside plantations along. Aster bugs are doing some mischief. Violets, as a rule, look well. A few of the stores have closed for the hot months.

Among Growers.

John Cook's place, on Edmundson's avenue, is always very interesting to visit. Mr. Cook's new rose, "Baltimore," is to establish its reputation this season. Three or four benches were planted in June, and have made magnificent growth. A hybrid seedling—American Beauty x white seedling—has produced very fine flowers. Mr. Cook predicts a grand future for it, and the fine, delicate, salmon-colored flowers, the size and perfume of the American Beauty, certainly seem to justify the raiser's ambition. Another notable seedling has been raised from Earl of Dufferia x white seedling. Mr. Cook uses his own seedlings for hybridization.

A new white carnation is to be cultivated for the third season. It is larger and finer than any other white in the market. There are some 400 plants in cultivation now, and it will probably be offered to the trade next Spring.

Among the many interesting foliage and flowering plants, an Aucuba Sieboldi was noted. It has very beautiful leaves, of a dark green color, with the central area of bright golden yellow. No croton is prettier than this aucuba, and it should prove very valuable for decorations and floral compositions. A collection of the finest lilac is found very useful for forcing and outdoor cultivation.

Princesse Alice de Monaco (Weber) blooms very profusely outside; Mr. Cook considers it one of the best bedding roses.

The public squares and parks are in very good condition at present; in artistic bedding Patterson Park (superintendent, Chas. L. Seybold) leads, a fine cactus bed, near the main entrance, and a tropical croton bed, near the Casino, are masterpieces in their respective style. If this gifted landscape gardener would only be allowed the necessary freedom of action, the public parks would derive lasting benefit from it. Seybold is an admirer of conifers, and has a knack of grouping them to produce the most pretty effects.

The City's bulb contracts have been awarded. Fred. Burger, bidding for H. F. Michell, got the bulk of the tulips, and Ed. A. Seidewitz, the hyacinths. The prices were quoted very low.

It turned out that the secretary of the park board had made a mistake in his specifications, and it will be necessary to furnish 22,000 Chrysolora instead of 2,000, as was originally listed.

The weather has radically changed; it is quite cool now and showers prevail. The recent storms have done little damage to florists, as far as is know, in town.

T. E.

Toronto.

Business is still about the same, little but funeral work doing, and not very much of that. Roses are somewhat more plentiful but of no better quality; carnations are also poor; asters are good and plentiful. Lancifolium and Auratum lilies have also been plentiful. Most of the boys have their carnations planted, and many of them are very good. Young roses are generally looking well. Violets in the fields are growing freely. 'Mums are also beginning to move along rapidly. A house of Liberty roses at John Dunlop's is looking very well and, by its appearance, is likely to be a money-maker. The news of the death of Mr. Ed. Townsend, of Hamilton, came as a blow to the boys here; he was a great favorite in Toronto, and had many friends among the older members of the profession, and his family have our deepest sympathy.

From various causes there were but few of the boys from the West down to the Convention at Montreal, and those who stayed at home can never know what they missed. The railway rate was high and the weather hot, but one day, among the genial crowd of Montreal gardeners and florists was enough to recompense for both time and trouble. The Convention was a great success; the city is a grand one; the florists kind, smart and up-to-date, and the private gardeners there, splendid exponents of the profession; their plants, flowers and fruits being as near perfection as possible. On Saturday we were treated to a drive by the city, and we visited a great number of the private gardens of Montreal, and while all were grand, each in its own way, those presided over by Messrs. Geo. Robinson, W. Wilshire Smith and Geo. Trussel took my fancy most. Two of them had splendid collections of herbaceous plants, and the others had fine orchids, while all had fine general collections. The gardeners of Montreal are proud of their places, and have good reason for their pride.

The next year's convention is to be in London, and it is to be hoped there will be a full attendance. Great Scott was at this one, and his bright remarks and genial personality made many friends, both for himself and for the Pan-American Exposition.

THOS. MANTON.

Worcester, Mass.

Trade is first rate for this time of the year. Gladiolus and asters are coming in plentifully; they are in fine shape.

There was a very fine exhibit of Gladiolus, perennial phlox and nearly all varieties of asters at our weekly show, Thursday last. Much dissatisfaction was expressed by exhibitors, owing to the very poor judgment of the judge in making his awards on pompon asters, he giving first premium to 30 vases of a mixed lot, consisting of Victoria, Jewell and several other varieties.

Owing to the rain we have had for the past few weeks, flowers are much better in quality.

J.



Evans Improved Challenge

Roller bearing self-oiling device, automatic stop, solid link chain makes the IMPROVED CHALLENGE the most perfect apparatus in the market.

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For Sale by the Trade.

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Holds Glass Firmly

See the Point

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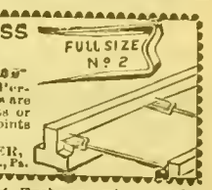

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LOWEST PRICES

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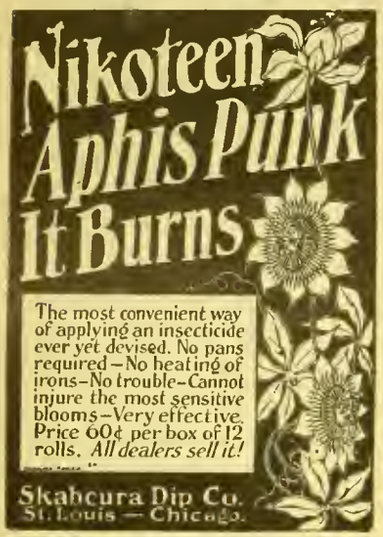

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Very respectfully,
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1500 2½	"	5.25	60 8 "	"	3.00
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100 3	"	5.00	48 10 "	"	4.80
800 3½	"	5.80	24 11 "	"	3 60
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144 6	"	316	6 16 "	"	4.50

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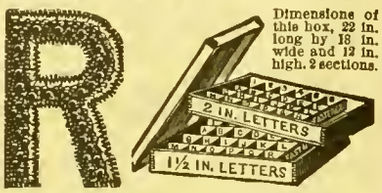

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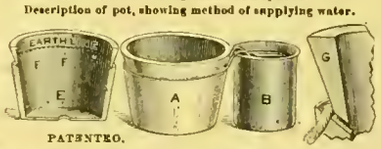
Description of pot, showing method of supplying water.



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A, indicates the pot; B, a reservoir for water; E, section of pot showing earth line and perforations or water passages F F F below. G, full size section, showing groove, with cord siphon. Several pots may be arranged around one reservoir, each connected therewith by a cord, through or over which the water is conducted by a pillary attraction.

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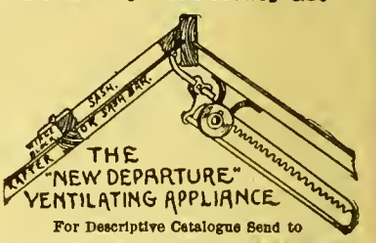

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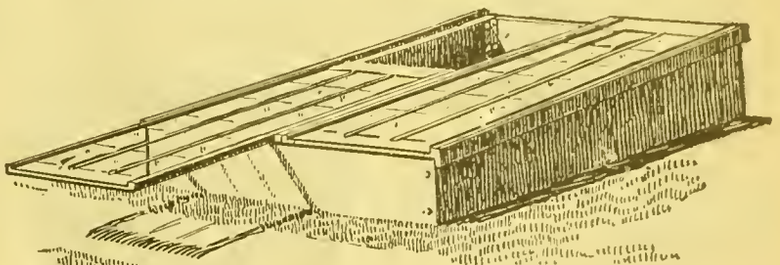

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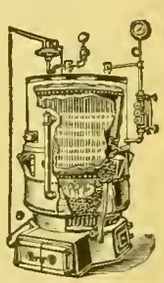

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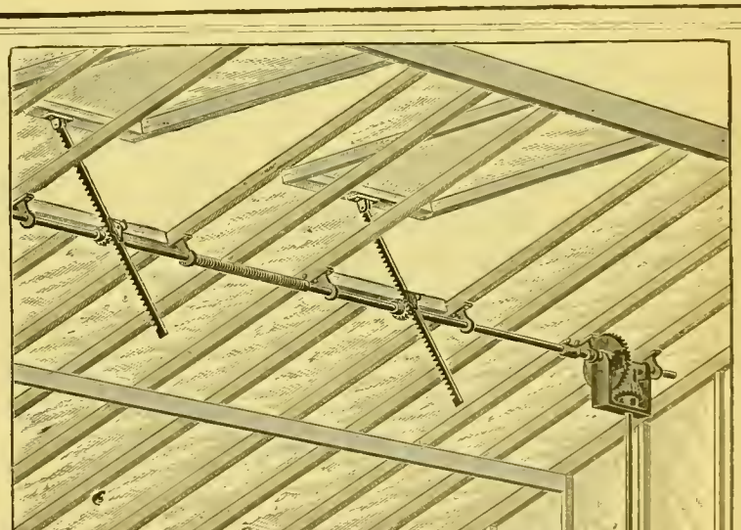

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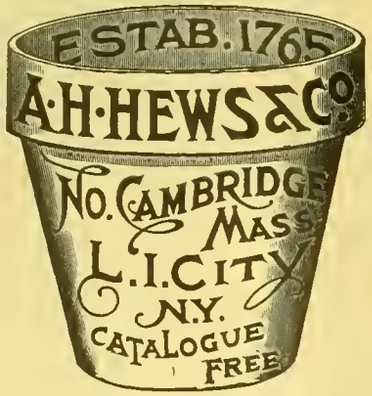

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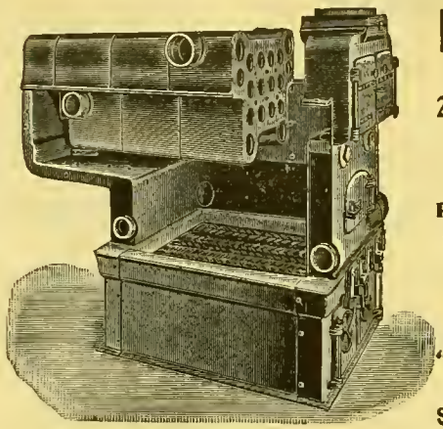

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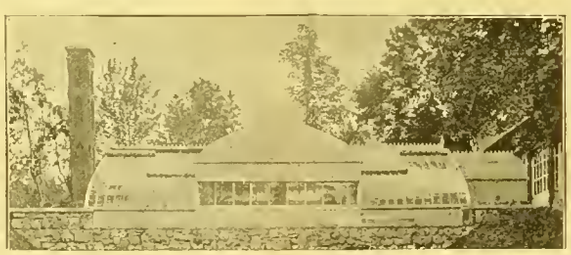

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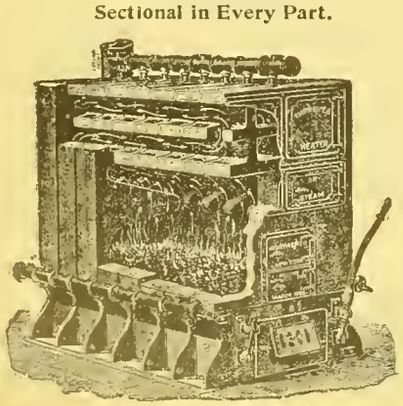
For Water or Steam Heating. Absolutely Sectional in Every Part.



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Simplicity of construction.
Sectional headers.
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Direct or indirect draft.
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Grates on level with fire-door opening.
Greatest amount of boiler surface exposed to radiant heat.
Heating surfaces so arranged in fire-box that the hot gases must strike every part before entering combustion chamber.

Each section is complete in itself, and can, if broken, be replaced very quickly, as it is only necessary to take out the bolts in the flanges, when the damaged section can be taken out and a new one put in. Should it not be convenient to put in a new section, the header can be plugged and the broken section left in place until a more convenient time, and this can be done with less trouble and expense than with any other sectional boiler in the market.

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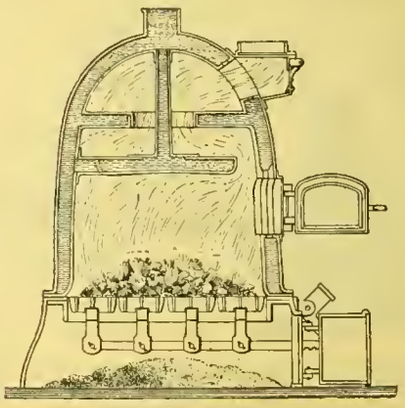

Sectional View.

SUPPLEMENT WITH THIS ISSUE.

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Bulbs 5 to 7 in. in circumference, $18.00 per case of 400 bulbs.
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We have a fine stock of all the leading varieties—first-class, A No. 1 plants—which we can offer as follows:

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Bride, Bridesmaid, Perle, Meteor, La France, Bon Silene, Papa Gontier, $8.00 per 100.

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Never Wilts!

Cut Strings, 10 Feet Long, 50 cts.

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WHITE ROMAN HYACINTH BULBS

Measuring 11 to 15 ctm., equal to 4½ to 6 inches around, $15.00 per 1000; Box of 2500 for $35.00; 4 boxes (10,000 bulbs), for $135.00.

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4⅛ to 5 inches around.....$5.00 per 100; $45.00 per 1000.
5¼ to 6 inches around..... 6 50 " 55.00 "

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And there is nothing that will give you more pleasure and quicker returns than

Our French, Holland and Japan

BULBS.

	Per 1000
Roman Hyacinths, white, 11 to 12 ctms.,	$14.00
" " " 12 to 15 "	18 00
Lilium Longiflorum (Japan), 6 to 8 in.,	30 00
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The richest mixture ever sent out, and containing the **Blotched** and **Giant** varieties in greatest proportion; very effective. Per packet, 1000 seeds, 25 cts.; per ⅛ ounce, 75 cts.; per ounce, $4.50.

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(New Crop) Spawn,

10 lbs.,	$1.00
100 "	7.00
1000 "	65.00

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Brahea Edulis (Erythea edulis)	50	4 00	
" Glauca (" armata)	per pound, 75 cts.		
Chamærops Excelsa	per pound, 40 cts.		

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25 New Large Flowering Varieties, 50c. per trade packet; $6 00 per oz.
Large Flowering, Splendid mixed, 25c. per packet; $2.50 per oz.
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Pure White	$2 00
Pink	2 00
Magenta, flamed with scarlet	3 00
Scarlet, with white eye	1 25

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Souv. de Mirande	$2 00
Mme. Brunant	100 seeds, $0 30
Dark Crimson	" 30
Fleur Poitevine	" 30
Scarlet	per oz., 75
Double Splendid New Mixed, 25 seeds,	50

CHRYSANTHEMUMS, California Fantasies, Splendid Mixed, 50c. pkt.; $10 00 oz.
ASPARAGUS SPRENGERI, $3.00 per 1000 seeds; $25.00 per 10,000 seeds.
FRESH SMILAX, $2.00 per lb.

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FORCING BULBS NOW READY

LILIUM HARRISII	5 to 7, $5.00 per 100;	7 to 9,	$10.00 per 100	
WHITE ROMAN HYACINTHS	12 to 15, $1.75 per 100;		$16.00 per 1000	
PINK " "	12 to 15,	1.75	"	16.00 "
BLUE " "	12 to 15,	1.75	"	16.00 "
PAPER WHITE GRANDIFLORA, true		1.00	"	8.50 "
FREESIA REFRACTA ALBA, selected, 1st size				6.50 "
" " " mammoth bulbs		1.00	"	
NARCISSUS VON SION, double, 1st size		1.75	"	16.00 "
" " Holland-grown, 2d size		1.25	"	10.00 "

Ask for prices on large quantities.

For Boston Ferns, Palms, etc.,

See former issues of this paper. We have extra good values in these.

Bobbink & Atkins, Rutherford, N. J.

Mention the Florists' Exchange when writing.

NOW IS THE TIME TO BUY

SMILAX SEED

NEW CROP.
25c. per oz.; $3.00 per lb.
EVERY SEED WILL GROW

HENRY F. MICHELL
1018 Market St., Phila.
WHOLESALE PRICE LIST OF SEEDS, BULBS &c. ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS.

No More Onion Sets. Now sow my

HARDY ONION SEEDS.

They will come three weeks sooner than the sets, and don't go to seed the first year. lb., $2.00; oz., 15c. Sample free.

BEAULIEU, WOODHAVEN, N. Y.

Mention the Florists' Exchange when writing.

CALIFORNIA-GROWN BULBS

Send for our Special Trade List. Address

California Nursery Company, Niles, Calif.

Mention the Florists' Exchange when writing.

CALLA BULBS

8 inch circumference ..... per 100, $5.00
6 " " ..... per 100, 6.00
4 " " ..... per 100, 4.00
Sets, 25 cts.; 100 by mail 10 cts. extra.

Cash with Order.

J. BOLL, Jamaica, N. Y.

SILVER PALM SEED

(THRINAX ARGENTEA.)

Florida Grown Crop, 1900. A beautiful slow-growing fan palm, with leaves silvery on under side.

100 seeds, postpaid....$0.50 1000 seeds, postpaid..$3 50
5000 seeds, postpaid, $2.50 per 1000; sample doz., 10c.

A. L. HATCH, Rockledge, Florida.

Special Consignment Sale

L. HARRISII

5-7, fine healthy-looking bulbs, per 1000, $35.00. Not less than original packages of 400 bulbs at this price.

NET, SPOT CASH.

HULSEBOSCH BROS., Englewood, N. J.

LILIUM HARRISII

Early Roman Hyacinths

Special prices on application.

Sure Crop Mushroom Spawn NEW CROP, $3 per 100 lbs.

WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., NEW YORK.

Mention the Florists' Exchange when writing.

CALLA ÆTHIOPICA

Just Arrived in Fine Condition. { Tubers, 1⅜ to 2 inch diameter, $6.00 per 100
Tubers, 1⅝ to 2½ " 9.00 per 100

Prices on all other bulbs, roots and plants for forcing cheerfully given by

F. W. O. SCHMITZ, Jersey City, New Jersey.

Mention the Florists' Exchange when writing.

DELIVERING THIS WEEK:

Narcissus, French Von Sion FOR CHRISTMAS FORCING.

A MONEY MAKER! TRY IT! Per 100, **$2.00**; 1000, **$16.00.**

L. Longiflorum (Japan) 9 to 10 inch, per 100, $8.75.

Freesias, Choice Bermuda Per 1000, $5.00.

Lilium Harrisii Selected; Healthiest Stock Grown on the Island. Ask for Prices.

Callas, Sound Stock

	Dozen	100
First size, 1¼ to 1½ inch	$0 75	$5 00
Select, about 1½ to 2 inch	1 25	7 00
Extra select, about 2 to 3 inch	1 50	9 00

VAUGHAN'S SEED STORE,

84 Randolph Street, CHICAGO. 14 Barclay Street, New York.

Mention the Florists' Exchange when writing.

Ready for Delivery NOW at

Free Samples Sent of Bulbs on this List for One Week.

FAIREST PRICES, FINEST CONDITION, FULL SIZE AND COUNT.

HYACINTHS.

	100	1000	Case, 2200
Early White Roman, select, 12-15 cm.,	$1.75	$16.00	$32 00
Single Blue " " "	1.50	14.00	
" Rose " " "	1.40	13.00	
Double " " " "	1.40	13.00	

DUTCH HYACINTHS.

	12	100	1000
Extra Size, separate colors	$0 60	$4.50	$40.00
A grand lot of **Named Sorts,** all popular florists' varieties	1 00	100 $6.00 to $7.00	

MINIATURE or DUTCH ROMANS

	12	11-12 cm. 100	1000
In named sorts or separate colors	$0.40	$2.75	$24 up

Produce flower spikes equal to 2d size Hyacinths. Great for growing in pans for Xmas.

NARCISSUS.

	100	1000
Paper White, Giant Flowering, 1st size	$1.00	$9.00
" " " " 2d size	.85	7.50
Early Double Roman, fine forcer	1.00	8.00

	Doz.	100	1000
Golden Sun, orange cup	$0.25	1.75	14.00
Trumpet Major, favorite forcer	.20	1.00	8.50
Von Sion, Dutch grown, XXX, giants	.40	2 00	17.00
" " " XX, select	.30	1 60	14.00
" " " X, fine	.20	1.25	10.00
Mixed Trumpet Narcissus, choice	.20	1.00	8.00

TULIPS Are in—Get the first choice. We have them, fine large bulbs, mixed or separate colors, all forcing sorts.

We give you a few sample prices:

	12	100	1000
La Reine, the unexcelled forcer	$0.20	$1.25	$10.00
Belle Alliance	.20	1.25	9.50
Keizerskroon	.20	1.25	10.50
La Candeur	.20	1.10	8.50

CROCUS Should be planted now. We have whoppers in size, 1–1½ ins. diameter, all sorts and colors.

5 PER CENT. CASH DISCOUNT ON ABOVE LIST FOR ONE WEEK.

JAPAN FERN BALLS Florists' great money-maker. Our firm was the first to import these in this country in 1873. Now is best time to order for December delivery.

We book orders for these now at **10 Per Cent. Discount** up to October 1st. Address

H. H. BERGER & CO. (ESTABLISHED 1878), 47 Barclay Street, New York.

Mention the Florists' Exchange when writing.

FREESIA Refracta, True White 2 sizes.

	100	1000
1st size, 100, 75c.; 1000, $6.00. 2d size, 100, 50c.;	1000,	$3.75
	100	1000
White yellow throat, 1st size	$0.50	$4.00
" " " " 2d size	.40	2.50

CALLA Æthiopica.

	12	100	1000
3-5 inches circumference	$0.50	$4.00	$30.00
4-6 "	.75	5.50	50.00

LILIES Harrisii, as healthy as Best Bermudas.

5-7, 100, $4.25; 1000, $40.00. 7-9, 100, $9.50; 1000, $90.00.

Lil. Candidum, strong bulbs 12, 60c.; 100, $4.50

LONGIFLORUM Are in from Japan. First advance shipment. **Earliest** ever arrived in New York. As long as unsold:

	12	100	1000
6–8	$0.60	$3.75	$31.00
7–9	.75	5.50	50.00
9–10	1.25	8.50	80.00

BULBS, 25 at 100 rates; 250 at 1000 rates.

SEEDS Do you want to see satisfactory results? Give us a trial. You will remain with us. We offer, for seasonable planting:

KENTIA Belmoreana or Forsteriana, fresh 1900 crop, 100 seeds, postpaid, 75c.; 1000, $4.00; 5000, $17.50.

SMILAX SEED, fresh crop, pkt., 10c.; oz., 25c.; lb., $2.50.

CYCLAMEN Persicum Giganteum, brilliant colors, mixed, 100 seeds, 60c.; 1000 seeds, $5.00.

PANSY SEED We pride ourselves on the quality of ours. We offer separate or mixed Bugnot, Odier, Cassier, Trimardeau, 1000 seeds, 25c.; 5000 seeds, $1.00. Also any known color, separate or all sorts mixed, at same price.

FRESH ENGLISH MILLTRACK MUSHROOM SPAWN.

Our celebrated English Milltrack braod is made by the best maker in England specially for our trade; per brick (1¼ lbs.) 15c., by mail 25c.; 10 lbs., $1.25; 25 lbs., $2.00; 100 lbs., 6.00; 1000 lbs., $55.00 (250 lbs. at the 1000 lb. rate).

Fresh Smilax Seed, per oz., 20c.; per lb., $2.25; per 5 lbs., at $9.00 per lb.

Allen's Defiance Mignonette, per ¼ oz., 20c.; per oz., 75c.

Johnson & Stokes' Kingly Pansy, trade pkt., 50c.; ¼ oz., $1.25; per oz. $5.00.

Freesia Refracta Alba: first size, 40c. per 100; $3.00 per 1000; selected, 60c. per 100; $5.00 per 100.

White Roman Hyacinths and Paper White Narcissus now ready for delivery.

WRITE US FOR PRICES.

JOHNSON & STOKES, Seedsmen, 217 & 219 Market St., PHILA., PA.

Mention the Florists' Exchange when writing.



Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. BOX 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Cincinnati, O., President; F. W. BOLOIANO, First Vice-President; S. G. COURTEEN, Milwaukee, Wis., Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

Early Arrivals of Lilium longiflorum.—An advance shipment of Lilium longiflorum bulbs has reached New York, consisting of about 100,000 bulbs. This is the earliest arrival of longiflorum on record, the transportation from Yokohama to New York taking only four weeks. Early orders are already being filled by H. H. Berger & Co., Wm. Elliott & Sons, J. C. Vaughan, Clucas & Boddington Co., C. H. Joosten, Hulsebosch Bros. and Hagemann & Myer. The bulbs are very fine, clean and sound, and on account of their quality and early arrival should give excellent satisfaction. The next consignment is expected about September 18. On account of the Japanese Government having impressed into service, as transports, a number of merchant vessels, some difficulty is experienced in securing transportation, and freight rates are likely to advance.

Holland bulbs have also arrived, and are a week ahead of the usual time. These bulbs are particularly fine this year. The indications are that Roman hyacinths will be scarce.

New York.—F. W. O. Schmitz, with his family, has returned from Europe.

Mrs. J. C. Vaughan and her son Leonard arrived from Europe, Sunday last. Mr. Vaughan himself will remain in this vicinity for a week or more, and they will spend most of the time at local Summer resorts.

Vaughan's Seed Store has been headquarters this week for Western Convention delegates.

The crop of immortelles is this year considerably shorter than usual, owing to unusual frosts in the south of France, and prices abroad have already advanced over 50 per cent., the market here being affected accordingly. The foreign market is bare of good cape flowers, and the new crop will not be in before January next.

Among the successful firms exhibiting at the Paris Expostion who have received awards in the Department of Agriculture is T. W. Wood & Sons, of Richmond, Va.

Seed Crops—Since our last report on the seed crops, and the conditions of the trade in general, we have received valuable information from many of the seed growing sections, which not only confirm all we said, but make the situation more seriously critical than we had reason to suppose. Some of the most reliable growers have reduced their estimate to 50 per cent. on contracts. Now, this is a very serious matter, not only for the dealer, but for the grower who has to set aside about one-eighth of a full average crop for stock seed for the next season; and it follows that when there is but half a crop, one-quarter of this must be set aside for their own planting next season.

The most serious aspect of the case is that the insect enemies, so destructive this year, will be ready for their deadly work next year. The plant louse has been very troublesome in the vine growing sections of the West; in some localities the loss to the cucumber seed crop will be fully 50 per cent, and other vines have also suffered badly.

The loss of the ruta bagas and turnips now begins to be felt, when foreign dealers are asking a price fully as high as the retail price has been of late years.

The Long Island cabbage seed crop is becoming beautifully less, as much seed was injured and lost by the rains after it was cut. One grower lost 600 pounds at least. The seed is unmarketable, because of its appearance, not to mention the fact that much of it began to sprout while wet, and, after drying, the seed is shrunken and unfit for sale.

But there is no loss without some small gain, and the trade, however much they may suffer from shortage of stocks, will in the end be gainers, as the "adventurers," who sell before they have the slightest idea of what the crop is to be, fully expecting the seed will turn up somewhere, as it always has done, will be disppointed in getting their supplies, which will be a disappointment to their customers, who will gladly return to the trade that has ever treated them as strictly first-class business men always do.

Baltimore.

The Market.

The cut flower supply just about meets demands. There seems to be a large stock of fine, though somewhat small, carnation plants. Housing is well under way. Some out-of-town roses are shipped here, but arrive in bad condition.

Echoes of the Convention.

Wm. Fraser mourns the loss of his father-in-law, on account of whose illness he had to forego the pleasure of attending the Convention.

Everybody speaks enthusiastically of the successful meeting and the hospitality of our New York brethren. Seidewitz thinks that he ought to repay the national society for the many benefits he has derived from it. He will be ready to serve it if his friends will give him the opportunity he looks for.

Combining Carmody's and Scott's advice, growers can hardly make a mistake in greenhouse building. Clipper bars and butted glass have many advocates hereabouts; they are the features of all the new structures. Messrs Feast, Moss, Anderson, Madsen, etc., all prefer them to the putty-glazing and lapping system.

Great relief is felt in the certainty that we still are "ornamental horticulturists."

HELLER'S MICE PROOF SEED CASES.

SEND FOR CATALOGUE.

HELLER & CO., Montclair, N. J.

Robert C. Reeves & Co., 187 Water St., N. Y. City.
Chas. F. Soul, Syracuse, N. Y.
McKellar & Winterson, 45 Wabash Ave., Chicago, Ill.
Perry Watson & Co., Sacramento, Cal.
Johnson & Son, Goshen, Ind.
J. M. McCullough's Sons, Cincinnati, Ohio.
Jas Keeves & Sons, Shoreditch, London, England.

Changes in Business.

Harry Ekas has purchased the greenhouse establishment of the late Wm. Ekas on the Frederic Road for $1,700. There are three greenhouses and a dwelling house on the place.

Paul W. Binder has raised a fine, dark purple, double violet seedling. The flowers are considerably larger than those of Marie Louise and very fragrant.

T. E.

CATALOGUES RECEIVED.

JOHN PEET & SON, West Norwood, London Eng.—Bulb Catalogue for 1900.

HENRY F. MICHELL, Philadelphia.—Catalogue of Bulbs, Seeds and Supplies for Florists. Illustrated.

WM. ELLIOTT & SONS, New York.—Autumn Catalogue of Flowering Bulbs, etc. Illustrated.

P. J. BERCKMANS CO., Augusta, Ga.—Illustrated Catalogue of the Fruitland Nurseries.

E. H. HUNT, Chicago.—Trade List of Ribbons for Florists' use, etc.

E. H. KRELAGE & SON, Haarlem, Holland.—Catalogue of Dutch Bulbs. Fall 1900. Illustrated.

D. LANDRETH & SONS, Philadelphia.—Autumn Catalogue of Bulbs, Imported and American.

T. W. WOOD & SONS, Richmond, Va.—Catalogue of Seeds and Bulbs for Fall planting.

WM. ELLIOTT & SONS, New York.—Catalogue of selected Bulbs, Seeds, etc.

Zirngiebel Giant Pansy

PLANTS NOW READY.

Giant Market, $5.00 per 1000. Giant Fancy, $10.00 per 1000. Also Seeds of the above strains, trade packages at $1.00 each.

DENYS ZIRNGIEBEL, Needham, Mass.

Mention the Florists' Exchange when writing

Pansies Worth Raising

Seed, ⅛ oz., $1.00; 1 oz., $4.00

Nice Stocky Plants, 500 for $2.50; 1000 for $4.00

Per express at buyer's expense. Cash with order.

CHR. SOLTAU, 199 Grant Avenue, Jersey City, N. J.

Mention the Florists' Exchange when writing.

VAUTIER'S MAMMOTH PANSY

New crop seed now ready. This is the largest and finest Pansy ever offered. We have testimonials from florists from all parts of the U. S praising its size and merits. Trade packet, $1.00; oz., $4.00.

H. G. FAUST, 64 and 66 N. Front St., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

XXX PANSY SEED

If you want the finest large and fragrant Pansy flowers, try Woodbury's Noted Seeds.

SEVEN PKTS. (700 seeds), FINE ASSORTED, 50c.

Finest German and Giant Flowered French strains, blended or either separate, 2000 seeds, 50c.; ¼ oz., $1.00; oz., $4.00. List free.

DAVID B. WOODBURY, South Paris, Maine

Pansy Specialist.

PANSY PLANTS

Giant, fine mixed, very strong, per 1000, $3.00.

Orders not solicited for less than 5000. Special prices on 10,000 or more, buyer to pay express charges.

JOHN LAPPE, - Maspeth, L. I.

The Largest Pansy Grower in America.

Mention the Florists' Exchange when writing.

PANSIES

From Seed Bed, $3.50 per 1000.

A Good assortment of Hardy Plants in Spring and Fall, such as Coreopsis, Veronica, Iris, Funkia, Lemon Lily, Aster, Phlox, Helenium A. Superbum, Lychnis, Larkspur, Digitalis, Antirrhinum, Myosotis, Mist and other hardy stock. Cash with order, please.

W. C. JENNISON, Natick, Mass

Mention the Florists' Exchange when writing.

PANSY SEEDS

Giant Trimardeau, fine mixed, trade packet, 20c.; oz., $1.75; lb., $15.00.

Fine mixed, Mme. Perret, Cassier, Bugnot, Parisian, trade packet, 25c.; oz., $2.25. Crop of 1900.

Cecile Davy, packet, 25c.; oz., $4.00.

Also the other varieties, at lowest prices.

SAMPLE FREE.

BEAULIEU, Walker and Belmont Aves. Woodhaven, N. Y.

Mention the Florists' Exchange when writing

ROSES!

Roses on their own roots, also budded. 40,000 roses in pots. Send for price list.

Ampelopsis Veitchii, in large quantities. Field grown.

Clematis Paniculata, two and three years old. Largest stock in the United States.

Yellow, White and Crimson Ramblers.

Honeysuckles and Clematis Paniculata, in pots.

Fifteen varieties of Phlox, field-grown.

Herbaceous Plants, in large quantities.

PRICE LIST ON APPLICATION.

ELIZABETH NURSERY COMPANY,

ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

Roemer's Superb Prize

PANSIES

PLANTS READY NOW.

Free by mail, 65 cts. per 100; 250 for $1.50. By express, $4.00 per 1000; $7.00 per 2000; $10.00 per 3000; $15.00 per 5000.

CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.

Grower of Extra Fine Pansies.

PANSIES

The Jennings Strain

Of large flowered show and fancy Pansy Seed. New crop now ready. My 1900 Strain cannot be excelled, and is sure to give the highest satisfaction.

Finest Mixed, pkt., $1.00; ½ oz., $2.50; 1 oz., $5. Yellow, White, Blue and Black, in separate colors, 50c. per pkt., postpaid. Small Pansies, 60c. per 100, by mail.

Cash with order.

E. B. JENNINGS, Lock Box, 254. Southport, Conn

Grower of the finest Pansies.

HERR'S PANSIES

ALWAYS THE BEST and better every year.

They sell themselves. Try a hundred as an experiment.

Plants only, and ready October 1st to January 1st. Free by mail, 75c. per 100; 250 for $1.50; 500 for $2.50.

By Express, at your expense, $4.00 per 1000.

ALBERT M. HERR, Lancaster, Pa.

ESTABLISHED 1802

THORBURN'S SEEDS

We have still left some fresh seeds of the following PALMS in fine condition:

KENTIA FORSTERIANA

per 1000, $4.00; 5000 to 10,000, $3.50; 10,000 and over, $3.00.

—ALSO—

CYCAS REVOLUTA STEMS in assorted sizes, 3 lbs. to 12 lbs., $3 per 100 lbs., while unsold.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Mention the Florists' Exchange when writing.

STRAWBERRIES Pot-grown. Immediate delivery. Prices upon application.

EVERGREENS For August planting, in fine assortment.

MANETTI For grafting for December delivery.

HARDY NURSERY STOCK Of selected quality.

ROSES For forcing.

Correspondence a Pleasure.

HIRAM T. JONES, Union County Nurseries, **Elizabeth, N. J.**

Mention the Florists' Exchange when writing.

F. & F. NURSERIES

SPRINGFIELD, NEW JERSEY.

Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.

TREES

Fruit Trees, Small Fruits, including grapes. **Ornamental Trees, Evergreens** and **Shrubs** for public and private grounds. **Shade Trees** for streets. **Hardy Roses, Hardy Plants, Climbers,** etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, Mt. Hope Nurseries, 61st year. **Rochester, N. Y.**

ANDORRA NURSERIES

Red and Pin Oaks, 10 to 14 feet
Hemlocks, 4 to 6 feet

TRANSPLANTED SPECIMEN TREES.

WILLIAM WARNER HARPER, Prop., Chestnut Hill, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

ROOT PRUNED EVERGREENS

For Autumn Planting. Finely Rooted.

5000 NORWAY SPRUCE, 3½ to 5 feet.

5000 HEMLOCK SPRUCE, 3 feet and over, very bushy, compact and fine.

25,000 RETINOSPORAS in variety, from 1 to 6 feet.

COLORADO BLUE and ORIENTAL SPRUCE PINES and ARBOR-VITAEAS in Great Variety.

In good condition for transplanting, either in **Lawns, Parks** or **Cemeteries. Large Specimens,** for immediate effect.

SMALL EVERGREENS and EVERGREEN SHRUBS For **Window Boxes** a Specialty.

The **Success** with which our root pruned **Evergreens** have been moved is proverbial. **Failures** seldom occur. A personal inspection is invited.

THE WM. H. MOON CO., Morrisville, Pa.

60 miles from New York City.
30 miles from Philadelphia.

And 702 Stephen Girard Bldg., **PHILADELPHIA, PA.**

THE STORRS & HARRISON CO., Painesville, Ohio.

Desire to call the attention of Florists and Nurserymen to their 40 acres of **HARDY ROSES,** their complete assortment of **FRUIT** and **ORNAMENTAL TREES** and **SHRUBS,** and their 44 Greenhouses of **ROSES, PALMS, FICUS, FERNS, ETC.**

Correspondence and personal inspection solicited. Trade List and Catalogues free

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN.

THEODORE J. SMITH, Geneva, N. Y., President; N. W. HALE, Knoxville, Tenn., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

Ames, Ia.—A recent important change has been made at the Iowa State College in the horticultural department. Prof. John Craig, who took the chair after the resignation of Prof. J. L. Budd, has resigned to take a position under Prof. Bailey at Cornell University at Ithaca, N. Y. His time will be largely devoted to the preparation of the Cyclopedia of American Horticulture. John I. Schulte, now connected with the Department of Agriculture, and formerly assistant to Prof. Budd here, has been elected to fill the vacancy. Mr. Schulte is an Iowa boy of great promise, and a graduate of the Iowa State College, in the class of 1895. He is at present in charge of the exhibit of the horticultural display of the Department of Agriculture at the Paris Exposition. He has been cabled the announcement of his election, and his friends here think he will accept.

Newport, R. I.

As reported in my last week's notes, the season is on in earnest. In addition to the regular work in the cut flower trade, the past week has witnessed a round of dinners, dances, housewarmings, etc. The "Goelet Ball," on the 28th, was the grandest affair this season, and while there are several affairs of the kind being arranged for, to take place in the near future, yet this is not likely to be eclipsed. The floral decorations were by Hodgson.

The "Harvest Home," given by Mrs. Stuyvesant Fish, on the 22d ult., was also an elaborate affair of its kind; this was also arranged by Hodgson, who, besides bringing into use large quantities of roses for the tables, used immense quantities of farm products in great variety, intermixed with which were artificial sunflowers and poppies, which made a brilliant effect. Varl-colored electric globes also played an important part.

The decorations for the housewarming at the home of Mrs. Herman Oelrichs, on the same evening, was also a grand floral event. They were executed by Small & Sons, of New York, Arthur Merrit being in charge of the work.

By the death of Prof. Fairman Rogers in Vienna, a week ago, horticulture has lost a leading patron. It was he who gave the Newport Horticultural Society a lift in its early days, enabling it to give exhibitions when the state of the finances would not otherwise have admitted.

MAC.

Buffalo.

Market Conditions.

A full week of unusual humid weather at a continuing temperature ranging above 80 degrees has been the recent experience, now however, being succeeded by cooler conditions. It placed business at the lowest ebb, and absentees to the convention last week were not missed as regards the need of their help at home.

Flowers, in growing kinds, are amply abundant, gladiolus being noticeably plentiful and lancifolium lilies make some window displays that are almost inspiring.

Jottings.

Louis Rapin, of Pine Ridge, who was in a local trolley car accident that proved fatal to several persons, and which occurred over three months ago, is now up and about, but still confined to his home, the result of a spinal injury then received.

Sunday last was made the last general or open and free admission day to the Pan-American grounds. The local papers give out that 20,000 people visited the grounds on that day. Admittance for the present can be secured only through passes. The management decided on this step through so many visitors interfering with working progress.

VIDI.

Pittsburg.

Business Bits.

Trade has been a little slower the past few weeks, but as most of the florists were away from home they had no great expectations, so were not disappointed. Stock is not very choice; the supply is sufficient, mainly asters and gladioli. Some fair roses are seen occasionally; but carnations are mighty scarce. Carnations in the field are pretty good, considering the dry, hot Summer, and are being housed now.

Convention Aftermath.

One after another the delegates who attended the S. A. F. Convention in New York are getting home again, all very much pleased with their trip and the treatment received at the hands of the New York florists. The trip to Glen Island was a great treat to all.

The few days spent in Atlantic City were very much enjoyed. The boys and men took to the water like ducks, some of them having their first bath in salt water.

L. Lamborn and wife, of Alliance, Ohio, John Young and family, and F. C. Weber, of St. Louis, Mo., were among the visitors to Atlantic City before attending the Convention. W. C. Beckert, the seedsman of Allegheny City, with his family, also spent several weeks there.

E. C. REINEMAN.

Port Chester, N. Y.

The Westchester County Gardeners' Association held a rather hurried session for their August meeting on Saturday, the 25th, owing to the oppressive heat. Thos. France and John Johnson were elected members. Arrangements were completed for meeting in a new hall with ample facilities for the holding of exhibitions. The society now meets in Knights of Columbus hall, Ryan building, Port Chester, N. Y., fourth Saturday evening of each month.

J. W. D.

Oceanic, N. J.

A very well attended meeting of the Monmouth County Horticultural Society was held August 17. It was decided to have the chrysanthemum show in the Town hall at Red Bank on the 9th, 10th and 11th of November.

A communication from the Pan-American Exposition was read, and after discussion a legislative committee was appointed to attend to the latter communication at once.

B.

SURPLUS FOR SPRING 1900

Can yet do **PEACHES** and **JAPAN PLUMS** in limited quantity; also **MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY STRAWBERRIES** from best leading varieties. Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.
ALEX. PULLEN, PROPRIETOR.

AMERICAN TREE SEEDS.

Our Descriptive Catalog of American seeds is just out.

Ask for it and secure trade discount on advance orders.

Our Forder, "How to Make Tree Seeds Grow," free with every order.

PINEHURST NURSERIES, Pinehurst, N.C.
Otto Kaizenstein, Mgr.

RHODODENDRONS

Native Rhododendrons; well furnished plants, all sizes. Prices on application.

A. E. WOHLERT, Altoona, Pa.

CABBAGE PLANTS

H. Succession, early and late Flat Dutch, 15c. per 100; $1.00 per 1000; $8.50 per 10,000

CELERY Plants. Pink Plume, New Rose and other varieties, 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

LETTUCE Grand Rapids, Curled Simpson and other varieties, 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

PARSLEY Extra strong plants, 25c. per 100. $1.50 per 1000.

If wanted by mail, add 10c. per 100 on Cabbage, Celery and Lettuce. 25c. per 100 on Parsley. Cash with order

R. VINCENT, JR. & SON, White Marsh, Md.

P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM,
PÆONIES, BLEEDING HEART,
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and **H. P. ROSES,** in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing.

Send for our price list. We have a fine stock for Fall delivery of

FIELD-GROWN ROSES

CLEMATIS, two-years-old, strong.
FLOWERING SHRUBS fine assortment.
ORNAMENTAL TREES. CONIFERS.

To avoid disappointment, order now a supply of

ROSE STOCKS FOR GRAFTING

(Prices, delivered in this country).

Rosa Manetti .....$12.00 per 1000
Rosa Polyantha ..... 8.00 per 1000
Rosa Laxa (Froebeli).. 8.50 per 1000

The stocks most largely used by European growers for grafting Tea Roses.

Our representative, **Mr. J. Austin Shaw,** will be at the Convention, and will be pleased to quote prices upon any wants in our line.

JACKSON & PERKINS CO., Newark, New York

Mention the Florists' Exchange when writing.

FRUIT and ORNAMENTAL TREES, Shrubs, Vines and Roses

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., Geneva, N. Y.

Yucca Filamentosa

Fine, large plants, **$10.00 per 100.**

SAMUEL C. MOON, Morrisville, Pa.
BUCKS CO.

Mention the Florists' Exchange when writing.

KOSTER & CO.

Hollandia Nurseries, - BOSKOOP, HOLLAND.

Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Paeonies, Pot-grown plants for forcing, Rhododendrons, H. P. Roses, etc.

No Agents. Catalogue free on demand. No Agents.

Mention the Florists' Exchange when writing.

AMERICAN ROSES
ON OWN ROOTS.

In the following varieties:—American Beauty, Anna Diesbach, Coquette des Alpes, General Jaqueminot, Jules Margottin, La France, La Reine, Mme. Geo. Bruant, Magna Charta, Mrs. John Laing, Paul Neyron, Prince Camille de Rohan, Victor Verdier.

STRONG TWO-YEAR NORTHERN FIELD-GROWN PLANTS. SEPTEMBER DELIVERY, if order is placed at once, in the select trade varieties.

Florists desiring to be supplied are advised to Order Immediately before the Limited Supply is Sold Out. FIRST COME, FIRST SERVED.

SPECIAL OFFER TO CASH-WITH-ORDER BUYERS LILIUM LONGIFLORUM (Bermuda), 5-7 inch circumference, sound, healthy bulbs, per case of 400 bulbs, $14.00; per 1000, $32.50. Per 5000 to 10,000, inquire for prices.

Fine Collection of SEEDLING PALMS, ARECAS, LATANIAS, KENTIAS, from 2 to 4 inch pots; also collection fine RUBBERS. Write for prices.

C. H. JOOSTEN, WHOLESALE BULBS AND PLANTS, **85 Dey Street, New York.**



(178) **Tulip Tree Scale.**—The twig sent by you is affected by the common tulip tree scale (*Lecanium tulipiferæ* Cook), a species which affects not only the liriodendron, but also the magnolia. When occurring in great numbers, this scale may seriously affect the health of a young tree, or may kill a branch or two on a large tree. A certain amount of pruning, accompanied by a spray or wash of a dilute kerosene soap emulsion, applied, preferably, in the early Summer, when the young lice are hatching, will be efficacious.—(Prof.) L. O. HOWARD, Govt. Entomologist.

(179) **Duranta Plumieri.**—At what time should seed of Duranta Plumieri be gathered? Should seed already two months on the bushes, apparently ripe, be picked? Should it be planted soon after picking, to obtain best germination?—B. S.

—Duranta Plumieri is so easily grown from cuttings that it seems a waste of time to raise them from seed. Pick the seeds, and if not thoroughly dry, spread them on papers and dry them out, then sow them in a mixture of leaf soil and sand; and keep them in a warm situation, never allowing the soil to become dry after the seed is sown.

Rose Queen of Edgely.

The new rose, Queen of Edgely, has added another to its numerous victories. It was awarded a certificate of merit at the Convention of the S. A. F. last week, and the endorsements it is receiving wherever shown place it in the front rank as a coming rose.

On March 27th of this year a certificate of merit was awarded at the show of the American Rose Society in New York. On the 8th of April the Philadelphia Florists' Club gave a written and signed report, setting forth its many good qualities. On April 17 the Pennsylvania Horticultural Society awarded the rose a silver medal, and also reported that the variety was a great acquisition. On May 5 a silver medal was gained at Boston, from the Massachusetts Horticultural Society, and again, on May 9, a silver medal was awarded to it by the American Institute of New York.

Hail News.

Wm. Murphy, of Station F, Cincinnati, Ohio, is one of the latest sufferers from a hail storm. He is insured in the Florists' Hail Association.

A couple of storms in the vicinity of Lancaster, Pa., also did some damage. Amos N. Rohrer, of Strasburg, and H. B. Weaver & Bro., of Wheatland Mills, being the injured ones. Both were insured. E.

A neatly printed pamphlet entitled "A Garden Talk" informs us that Edwin A. Seidewitz, of Baltimore and Annapolis, Md., has added a landscape department to his business, to be under the supervision of Theodore Eckardt.

St. Louis.

Trade News.

Business has been pretty good the past week, consisting almost altogether of funeral work. The great trouble is to get decent flowers. Owing to a long continued hot and dry spell, the stock hereabout is simply miserable. The only blooms coming in are very small roses, smaller carnations that look wilted and off color on receipt, a few ragged looking hydrangeas and poor asters. Of the latter there are not nearly enough to supply the call; they seem to have gone to pieces all of a sudden.

The weather has broken, however, with some rain, and indications of more, and the chances are that the worst is over.

About Town.

The Beyer boys have the decorations of the harvest feast of the Suabian Society again this year. This, by the way, prevented one of them from attending the Convention. They have a splendid lot of market chrysanthemums in the field, also some for cut bloom. Their place looks in first-class order, especially the palm house, which is no doubt the best of its kind in the city.

Mrs. M. M. Ayers has gone East to buy stock, as well as to recuperate after a very busy season. Her representative, Mr. Adels, reports an excellent Summer business.

Wm. Kalish & Son are building an additional house. This firm has not been very long in the business, but seem to have their share of the trade of the west end.

H. G. Berning is very busy making up carnation supports, in which he is interested. Judging from the quantities of orders he has received for it, it must be the ideal support.

The regular meeting of the Florists' Club will take place on September 6, instead of the 13th.—C. C. S.

We acknowledge receipt from the Herendeen Manufacturing Co., of Geneva, N. Y., of a placard illustrating the firm's specialties, the Furman boilers, and showing details of their mechanism.

BOSTON FERN—A Specialty

L. H. FOSTER, 45 KING STREET, Dorchester, Mass.

Mention the Florists' Exchange when writing.

LARGE RUBBER PLANTS

FOR SALE OR EXCHANGE.

Good Condition. ONLY THIS AD.

CLIFFE'S GREENHOUSES, Germantown, Pa.

Mention the Florists' Exchange when writing.

SPECIAL OFFER UNTIL OCT. 1st.

Phœnix Canariensis.

Elegant stock. Fully characteristic.

4½ inch pots ..... $25.00 per 100
5½ " " ..... 35.00 "

This is surely a Bargain.

J. B. HEISS, The Exotic Nurseries, Dayton, Ohio.

Mention the Florists' Exchange when writing.

ASPARAGUS TEN. NANUS

2½ inch ..... per 100, $4.00
3 " ..... " 5.00
3 " ..... per doz., 1.00

FORGET-ME-NOT Winter-flowering, true strong, 3 inch, $3.00 per 100; strong, 4 inch, $5.00 per 100.

J. G. EISELE, Florist,
20th and Ontario Sts., PHILADELPHIA, Pa.

Mention the Florists' Exchange when writing.

ASPARAGUS PLUMOSUS

2½ in., $5.00 a 100;
$50.00 a 1000.

Large and bushy, ready for 3 inch.

JOHN F. HORN, 20 North 6th Street, Allentown, Pa.

Mention the Florists' Exchange when writing.

ARAUCARIA EXCELSA 5½ inch pots, 3 tiers, from 9 to 11 inches high, 80 cts.; some for 70 cts., a little smaller

Ficus Elastica (Rubbers), 5 inch pots, from 18 inches upwards, 10 cts. each; $5.00 per doz. (very fine).

Boston Ferns, 4 inch pots, $2.00 per doz.

Umbrella Plants, 3 inch pots, $5.00 per 100

Tuberous Rooted Begonia, 4 inch pots, mostly white, etc., 75 cts. per doz.

Heliotropes for winter-blooming, fine plants $5.00 per 100.

Godfrey Aschmann, 1012 Ontario St., Rising Sun, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.



Nephrolepis Wittboldi

Do not fail to procure some of the first stock, for which we are booking orders.

THE GEORGE WITTBOLD CO., 1657 Buckingham Pl., Chicago.

Mention the Florists' Exchange when writing.

A Few Good Things You Want

KENTIA BELMOREANA and **FORSTERIANA,** 2½ in., 10c.; 3 in., 18c.; 4 in., 35c.; 5 in., 50c. each.

ARECA LUTESCENS, 3 in., 3 plants to pot, 18c.; 4 in., 25c. each. All cool grown, nice clean stock, and cannot be duplicated anywhere for the money.

ROSE BRIDESMAID, 3 in., $5.00 per 100.

SWORD FERN, Nephrolepis Cordata Compacta, 2½ in., $3.00 per 100.

SMILAX, 2 in., $2.00 per 100.

REX BEGONIA, finest varieties, 2½ in., $4.00; 3 in., $6.00 per 100.

GERANIUMS, double and single, Grant, Mme. Bruant, Mrs E. G. Hill, Poitevine, Bonnat and S. A. Nutt, 3 in., $5.00 per 100.

CAMPBELL VIOLET and **VINCA VAR.,** 2½ in., $3.00 per 100.

PRIMULA CHINENSIS, 2 inch, $3.00; 3 inch $4.00 per 100.

CINERARIA, 2 inch, $2.00; 3 inch, $4.00 per 100.

CYCLAMEN GIGANTEUM, 2½ inch, $4.00; 3 inch, $8.00 per 100.

ASPARAGUS Sprengeri and **Plumosus,** 2 in., $5.00; 3 in., $8.00 per 100 Cash with order.

Will exchange any of above for good field-grown plants of Flora Hill Carnation.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

Adiantum Cuneatum

2½ in. pots, $4 per 100; 3½ in. pots, $6 per 100 3½ in. pots, large plants, $10 per 100; selected plants, 3½ in. pots, $12 per 100.

Asparagus Sprengeri

2½ in. pots, $4 per 100; $30 per 1000.
3 in. pots, $5 per 100.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing

PALMS, FERNS, Etc.

IN FINE CONDITION.

	Pot.	Feet high.	Lvs.	Prices one.	doz.
Kentia Belmoreana...	7	4½-5	6-7	$3 00	$33 00
" " ...	7	3½-4	6-7	2 50	27 00
Latania Borbonica....	8	3	6-8	1 50	15 00
" "	7	2	6-7	1 00	10 00
Seaforthia Elegans....	7	5	4-5	1 25	12 00
" "	6	4	4-5	75	8 00
Cocos Weddelliana.....	4	1½	6-7	30	3 00
Areca Lutescens.....	5	3	4-5	50	5 00
Pandanus Utilis.....	9	3½		3 00	30 00

FERNS.

Boston ensis, 6, 7 and 8 inch pots, 75 cts., $1.25 and $1.50 each respectively.

Davallioides Furcans, 6, 7, and 8 inch pots, $1.00 $1.50 and $2.00 each.

Exaltata and **Philippinensis,** 8 and 7 inch pots, 50 and 75 cts. each.

Washingtoniensis Erecta, from 8 inch pots, 4 and 4½ feet high, excellent for decorations, $1.50 each.

10 per cent. discount on Ferns by the dozen.

Prices for **smaller Decorative** plants, of 10 varieties, on application.

N. STUDER, Anacostia P. O., D. C.

Mention the Florists' Exchange when writing.

50,000

BOSTON FERNS

I Make a Specialty of

N. EXALTATA BOSTONIENSIS

Small plants, $4.00 per 100 or $35.00 per 1000; large plants, $6.00 to $50.00 per 100; taken from the bench.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 in. pots, $3.00 and $4.00 per doz.

Asparagus Plumosus, 2½ in. pots, $5.00 to $6.00 per 100; 3½ in. pots, $12.00 per 100.

Asparagus Sprengeri, 2½ in. pots, $5.00 to $6.00 per 100.

Araucaria Excelsa, 14 to 16 ins. high, 4 to 5 tiers, 6 in. pots, $1.00 and $1.25 each; 20 to 24 ins. high, 5 to 6 tiers, 6 in. pots, $1.50 each; larger size, $2.00 and $2.50 each.

Rubber Plants, 12 to 15 ins. high, $4.00 per doz., and 20 to 24 ins. high, $6.00 per doz.

Chinese Primroses, 2½ inch pots, $3.50 per 100.

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. Connected with Telephone.

Mention the Florists' Exchange when writing.

DREYER'S ANNUAL TRADE SALE

(R. DREYER, Woodside, L. I.) CLEARY & CO., Auctioneers, 60 Vesey Street, NEW YORK.

Watch this paper for date, and other general information, in next week's issue.

An Extraordinary Opportunity.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

FLORIST, good all-round man, wants situation; good references. Pagat, Pelham P. O., N. Y.

POSITION wanted by experienced florist, single age 25. Florist, care of Aegerter, 532 E. 6th st., N. Y.

SEEDSMAN, long experience vegetable seeds and store salesman; reference. X. H., care Florists' Exchange.

SITUATION wanted, first-class designer and decorator; Al salesman, and well posted on seeds and plants. State terms and particulars. Address J. H., care Gardener, Great Hill, Marion, Mass.

A SUCCESSFUL vegetable and fruit grower, with some experience with greenhouses, desires position under foreman, private or commercial, or would buy part or whole interest in small paying business after satisfactory trial; married, sober, not afraid of work. Address X. J., Florists' Exchange.

WANTED situation by a man, 40 years old; understands the seed business, wholesale or retail; able to go on the road or take charge of inside work, also has had experience in machinery, etc.; New England preferred, but would consider any good offer. Address X. F., care Florists' Exchange.

SITUATION WANTED BY A FLORIST as salesman or bookkeeper, with a wholesale florist in New York. Address V. C., care Florists' Exchange.

SITUATION WANTED BY A GOOD florist and gardener, 15 years' experience in all branches; last place carnation grower; good references; state full particulars, wages. Address X. D., care Florists' Exchange.

FLORIST—OPEN FOR ENGAGEMENT, understands all work pertaining to greenhouses, good grower, propagator and designer; understands boilers, pipeing and repairing; sober and industrious; good references. H. A. Pinney, Windsor Locks, Conn.

HELP WANTED.

COMPETENT man wanted, single, to take charge of house of carnations. $25.00 per month and board. Box 5, Highland, N. Y.

WANTED—A competent man to take care of greenhouse, palms and miscellaneous plants. Apply, with references, 557 Main st., East Orange, N. J. Salary $45 per month.

WANTED—Young men, experienced in budding and grafting roses and in making soft wood cuttings of shrubbery; steady employment, good wages; must be strictly temperate. Apply to The Elizabeth Nursery Co., or to George Reeg, Supt., Elizabeth, N. J.

WANTED—A WORKING FOREMAN; must be a competent rose grower and capable of taking charge; wages $12 per week at starting. X. K., care Florists' Exchange.

A THOROUGHLY EXPERIENCED man wanted for wholesale cut flower commission house in New York. Good salary will be paid the right party; one competent to take charge preferred; state age and references. X. G., Permanent, care Florists' Exchange.

Mention the Florists' Exchange when writing.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.

WANTED—SEEDSMAN AT NEW York, experienced in bulbs, vegetable seeds, for retail counter work; references; state full particulars. X. E., care Florists' Exchange.

MISCELLANEOUS WANTS.

BOILER WANTED—No. 16 HITCHINGS, second-hand, in good condition, for cash. Smith T. Bradley, 133 Grand ave., New Haven, Conn.

WANTED—A SECOND-HAND HOT Water Boiler, to heat 500 to 1000 ft. of 4 in. pipe. Must be in good condition and cheap. Give name of boiler, size, condition and price. Riverside Gardens, Binghamton, N. Y.

BUSINESS OPPORTUNITIES.

TO LET—One greenhouse, 125x20 feet, also office dwelling and twelve city lots adjoining, for a term of years; established 1888; opposite St. Michael's Cemetery. W. H. Scheurer, 532 Flushing Avenue, Astoria, N. Y.

FOR SALE OR RENT—Greenhouse, 5000 ft. glass, steam heating, market garden, 10 acres, 6 roomed dwelling, barn, etc., adjoining thriving town of 3000, on St. Joe and Grand Island Ry. H. Schmalzl, Marysville, Kan.

SIX GREENHOUSES to let on lease, close to trolly and station, well stocked with roses, carnations, violets and chrysanthemums; a good chance for man with small capital. For full particulars, apply Stanley, Plainfield, N. J.

FOR SALE—14,000 feet of glass, used mostly for roses, 4 acres of ground and 2 dwelling houses; 3 minutes from station, city improvements, hot and cold water, and good forcing water in greenhouses supplied by Summit Water Co. On account of illness with rheumatism, will sell whole or part interest. A. Ilarth, Millburn, N. J.

TO LEASE, on excellent terms, a fine acreage of land situated within one hour of New York. Very accessible, with large and commodious greenhouses, flower gardens, dairy, large brick buildings for cows and horses. Land capable of raising all kinds of products, shrubs, trees, etc. Will lease whole, or in part, to suit. Owner having a piece of land within easy reach of the above is willing to pay for the care and work on the same if terms can be agreed upon. Particulars may be had by addressing Talbot Root, 27 Pine street, New York City.

LEUSSING'S GREENHOUSE PROPERTY Exchange, 53 W. 28th St., New York (with G. E. Bradshaw). Telephone, 1239 Madison Sq. Sell, rent or exchange at all times.

FOR SALE—GREENHOUSES WITHIN A half mile of Baltimore, one complete, two unfinished, ready for glass; size of lot, 255 ft. by 125 ft.; more ground, if desired, on very reasonable terms. Charles H. Stewart, 1st Tollgate, Belair Road, Baltimore, Md.

MISCELLANEOUS.

FOR SALE, some extra good second-hand 3-inch pipe, at 6c. per foot; also some 4-inch; secure it while it lasts. W. H. Salter, Rochester, N. Y.

FOR SALE—2500 feet of 4 in. cast iron pipe, 8cts per foot. First-class order. F. O. B. J. G. Pfordt's Sons, 899 Broadway, Albany, N. Y.

THE FLORISTS' HAIL ASSOCIATION

Insures 13,000,000 sq. ft. of glass and has $7,500.00 Reserve Fund. For particulars address

JOHN G. ESLER, Sec'y, Saddle River, N. J.

Mention the Florists' Exchange when writing.

St. Paul.

Trade Notes.

Trade continues dull, though the exodus from the Summer resorts, which has begun, will soon result in the increased sale of flowers. The month has been one of unusual heat, and all roses have been off grade. Funeral work has constituted the bulk of the trade, which has been about as large as usual for the month, considered the dullest one of the year.

In spite of the protracted drought early in the season carnations in the field have made a most satisfactory growth, and the plants are better, more stocky than for many years. Planting them in the benches has already begun, and if the size of the plants augurs anything for the crop, there should be an abundance of good blooms the coming season.

The News.

Wm. Donaldson & Co., of Minneapolis, have purchased the entire plant and ground of the C. A. Smith Floral Co., located at 35th street and Portland avenue, and will hereafter grow their own cut flowers and plants. The price paid, according to a local paper, was $19,000 cash. There are five acres of land and about 40,000 feet of glass, besides a barn and two dwelling houses, all in a choice, rapid growing residence section. James Souden, foreman for eight years for L. L. May & Co., has been appointed general manager of the place. Mr. Souden is known as one of the best cut flower growers in the state, and with some of the best houses in the country will undoubtedly produce high-grade stock.

There has been the usual amount of repairing and building this season. R. C. Seeger's place, which is nearing completion, will be one of the best equipped in the city.

John Monson is building a nice range in Minneapolis.

Robt. Brown, formerly with E. Hippard, Youngstown, O., has accepted the position of foreman for L. L. May & Co.

SMILAX

Fine, large, seedling plants, April sowing, 40 cts. per 100; $2.00 per 1000.

J. C. SCHMIDT, - Bristol, Pa.

Mention the Florists' Exchange when writing.

TOBACCO STEMS AND DUST

Guaranteed Extra Strong and Fresh

Stems, bales, 150 to 500 lbs., 70 cts. per 100.
Dust, packages, 25-50-100 lbs., 2½ cts. per lb.

U. CUTLER RYERSON, 108 Third Ave., Newark, N. J

Mention the Florists' Exchange when writing.

BOSTON FERNS!

Extra fine plants, from bench, $10.00, $15.00 and $25.00 per 100.

ASPARAGUS SPRENGERI.

6 inch pots, heavy.....$4.00 per dozen; $25 00 per 100
5 inch pots..... 2.50 per dozen; 15.00 per 100

Cash with order, or 25 per cent. if C. O. D.

A. NELSON, P. O. Box 1450, Paterson, N. J.

Mention the Florists' Exchange when writing.

The Bowling Tournament.

The following further information regarding the tournament has been kindly furnished by Chairman Theodore Roehrs, of the Committee on Sports:

Team.	No. of Strikes.	No. of Spares.	Average.
Buffalo	39	79	154.1
Chicago	44	72	151 6
New York	32	80	149 2
Baltimore	48	53	149.1
Flatbush	44	68	148 1
Philadelphia	37	63	142.1
Detroit	22	81	139.1
Pittsburg	39	49	133.8
Milwaukee	31	55	133.1
Cleveland	36	54	131.5
Boston	19	49	104 2

At the meeting of the Committee on Sports, held on Monday, August 27, the Baltimore club was disqualified on account of having two men bowling on the team whose names had not been entered (Messrs. Weber and Binder), eight names having been entered, but only four of them bowling in the team.

Among the winners of the individua prizes, not mentioned in last week's issue, were:

The gold mounted fountain pen, donated by J. K. Allen, to bowler making greatest number of strikes. Winner, Wm. F. Kasting, Buffalo, with 13 strikes.

Box of cigars, donated by F. Brinkama, to man making greatest number of spares, went to Theodore Roehrs, New York, with 18 spares.

INDIVIDUAL CONTEST.

The scores made in the contest for individual prizes, outside the tournament, were as follows:

D. J. Scott	181
J. F. Wilcox	177
Robert Kift	169
Siebenheller	155
J. Donaldson	150
G. C. Watson	147
Hyatt	144
Keuhn	135
R. Watson	128
Phillips	127
Gilkinson	126
Burns	125
Langjahr	113
Balluff	111
J. A. Shaw	111
D. Long	100
Steffens	97
C. Kahlert	93
Birnie	85
Krick	60

The first prize in this contest was a gold medal, donated by John I. Raynor, New York. Won by D. J. Scott.

Second prize: Silk umbrella, donated by Walter F. Sheridan, New York. Winner, J. F. Wilcox.

Third prize: Cigar case, donated by Fitzgerald & Hammond, New York. Won by Robert Kift.

THE LADIES' CONTEST.

	Score.
Miss Eastman	86
Mrs. Winterson	81
Mrs. Langjahr	68

The matter of awarding the Ladies' prizes was laid over, and will, I hope, be decided at the next meeting on September 3.

THEO. ROEHRS.

200,000 Peach Trees

This stock is thrifty and healthy. All grown from Tennessee pits. No better Peach stock to be had.

Address

STEPHEN HOYT'S SONS, New Canaan, Conn.

Mention the Florists' Exchange when writing.

FALL, 1900 30,000 Violets and Carnations, &c.

10,000 2½ Inch Pot Plants. Marie Louise, L. B. Campbell, and Swanley White, $3.00 per 100, from 2½ inch pots, clean. Also California and Luxonne, from flats, $1.50 per 100.

10,000 Field Clumps. Fine—Princess Wales, $6.00 per 100; L. H. Campbell and Luxonne, $5.00 per 100; California, $3.00 per 100.

10,000 Field-Grown Carnations, for Sept. delivery—McGowan, Portia and Scotts—$3.50 per 100, or $30.00 per 1000.

2000 fine, bushy, 2½ inch Smilax, $1.50 per 100.

2000 Double Sweet Alyssum, bushy, for Winter, $2.50 per 100.

Asparagus Sprengeri, 6 inch, 20c.; 5 in., 15c.

Cash, Please. BENJ. CONNELL, Florist, WEST GROVE, PA.

Mention the Florists' Exchange when writing.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

Mention the Florists' Exchange when writing.

FOREST TREES

We offer for sale the largest stock of Forest Trees in this country, Sugar, Norway, Sycamore, Silver Leaf and other Maples by the thousands. Also Lindens, Poplars, Elms, Willows, Mt. Ash, etc., in large quantities, as well as a general stock of other nursery products. Address

STEPHEN HOYT'S SONS, - New Canaan, Conn

Mention the Florists' Exchange when writing.

25,000 MAUD ADAMS

Wm. Scott, McGowan and Portia.

In the best of health. This is not surplus stock. Plants will be sent just as they run in the field. I do not plant any carnations this season. Write for prices.

FRANK NIQUET, Florist, Patchogue, L.I., N.Y.

Mention the Florists' Exchange when writing.

CARNATIONS.

Clean field-grown plants now ready: Scott, McGowan, Dayhreak, White Cloud, New York and Armazindy, at $5.00 per 100. Write for prices in 1000 lots.

ROSES.—400 3 in. Bridesmaid, $5.00 per 100. Cash with order, please. If sent C. O. D., 25 per cent. cash with order.

A. NELSON, P. O. Box 1450, Paterson, N. J.

Mention the Florists' Exchange when writing.

ALABAMA WILD SMILAX, LONG NEEDLE PINES AND DAGGER FERNS

All choice stock. Orders filled promptly, on short notice. Agents wanted.

JNO. S. OAW, Telegraph Station, Owassa, Ala. Gravella, Ala.

Mention the Florists' Exchange when writing.

L. H. CAMPBELL VIOLETS Large, healthy, field grown clumps, $4.00 per 500; $35.00 per 1000.

SMILAX Large plants, will make fine strings this Winter, $2.50 per 1000; $20.00 per 10,000.

CELERY PLANTS Strong, transplanted, to four leading varieties, $1 50 per 1000; $10.00 per 10,000.

GUSTAV PITZONKA, Bristol, Pa.

Mention the Florists' Exchange when writing.

HOLLYHOCK!

Double White, Red, Pink, Yellow and Allegheny, mixed, large plants, July sowing, 75 cents per 100; $5.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

20,000 SMILAX

Nice, thrifty, 2 in., per 100, $1.25; per 1000, $10.00.

Primula Forbesi (Baby Primrose), extra fine plants from 3 in. pots, ready for 4s and 5s, only $5.00 per 100.

Primula Obconica Grandiflora and Rosea, 2 in., $2.50 per 100.

Primula Chinensis, 6 vars., 2 in., $2.00 per 100.

Mars Geranium, 3 in., stocky, $4.00 per 100.

Begonia Rex, 15 varieties, 3 inch, $5.00 per 100.

Cyperus Alternifolius, 3 in., fine, 5 to 8 stems, $5.00 per 100. Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Mention the Florists' Exchange when writing.

Among the Magazines.

SCRIBNER'S—September is the most popular month for camping excursions, because it combines the last month of trout fishing with the first month of deer hunting in most of the great preserves. It is, therefore, appropriate that the September number of Scribner's should have an outdoor flavor to many of its articles, and that the illustrations should suggest sport and adventure in many out-of-the-way places.

LADIES' HOME JOURNAL.—The pictorial features of the September Ladies' Home Journal include a page drawing of "Loiterers at the Railroad Station," as A. B. Frost sees them; "The Wonders of California Gardens," and the beauties of Yellowstone Park. There are numerous practical articles, and much else that is helpful in the departments.

MINNEAPOLIS, Minn.—James Souden, for eight years in charge of the establishment of L. L. May & Co., St. Paul, has been engaged as superintendent of the Donaldson plant here, lately the C. A. Smith Floral Co.'s.

Field-Grown Carnations.

F. Hill, Scott, McGowan, Portia, Bridesmaid, Nivea, Eldorado, Gold Nugget, Morello, Jubilee, Armazindy, Meteor, Victor, Daybreak, Dana, Evanston. Cash, please.

E. A. Llewellyn, Olean, N. Y.

Mention the Florists' Exchange when writing.

SURPLUS CARNATIONS

Flora Hill, White Cloud, Triumph, Daybreak, $5.00 per 100. Crane, America, $6.00 per 100, CASH WITH ORDER.

W. SABRANSKY, - - Kenton, Ohio.

Mention the Florists' Exchange when writing.

10,000 CARNATION PLANTS

Extra fine large plants, carefully packed, $5.00 per 100; $35.00 per 1000.

F. Hill, Scott, E. Pierson, Armazindy, McGowan, C. A. Dana, Eldorado, Alaska.

GEO. H. BENEDICT, Yorkville Greenhouse, Yorkville, N. Y.

Mention the Florists' Exchange when writing.

10,000 FIELD-GROWN

CARNATION PLANTS!

Scott, Hill, Cloud, Crane, Gomez, Joost.

For cash only. Price on application.

J. A. SUYDAM, Florist, Flatbush, Brooklyn, N. Y.

Mention the Florists' Exchange when writing

CARNATIONS

Field-Grown Plants.

F. DORNER & SONS CO.,
La Fayette, Ind.
SEND FOR PRICE LIST.

Mention the Florists' Exchange when writing.

EXTRA FINE

Field-Grown Carnation Plants,

Daybreak, $5.00 per 100; G. H. Crane, $3.00 per 100 John Young, $6.00 per 100; Gen. Gomez, $8.00 per 100; Sebec, $5.00 per 100; Scott, $5.00 per 100; Alaska, $5.00 per 100; Tidal Wave, $5.00 per 100.

ROSES.

Bride, Maid, Kaiserin, Meteor, 4 in pots, $5.00 per 100; $40.00 per 1000.

Also a large assortment of

PALMS, SAGOS, RUBBERS, BAY TREES, and BOSTON FERNS. Prices on Application.

HERMAN C. STEINHOFF,
578 Hudson Boulevard,

WEST HOBOKEN, - - - - N. J.

Mention the Florists' Exchange when writing.

CARNATION PLANTS

10,000 fine plants, in good varieties, at low price. Ready to plant now.

E. D. SHAW & CO., Holyoke, Mass.

Mention the Florists' Exchange when writing.

CARNATION PLANTS.

Strong field-grown plants, of Scott, Daybreak, White Cloud, Flora Hill, and Harrison's White. Cheap for Cash, at the

SPY HILL CONSERVATORIES,
Fishkill-on-Hudson, N. Y.

Mention the Florists' Exchange when writing.

EXTRA CARNATION PLANTS

McGowan $4.00 per 100. Dana, New York, Lady Emma, Flora Hill, John Young, $5.00 Per 100.

Second Sizes Cheaper. Cash Please.

WILLIAM STUPPE, Hollis, L. I., N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS

WM. SWAYNE, Kennett Square, Pa.

Mention the Florists' Exchange when writing.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing

20,000 FIELD-GROWN

CARNATIONS AND VIOLETS

We have the following varieties in excellent shape for shipment:

Flora Hill, Gold Nugget, Daybreak, Wm. Scott, Eldorado, Rose Queen, Jubilee, Meteor and McGowan.

Also 5000 Violets, Princess of Wales, field-grown. Write for prices before placing your orders.

W. T. & F. P. BUTZ, - New Castle, Pa.

Mention the Florists' Exchange when writing.

FIELD-GROWN CARNATIONS

Glacier, Evanston, Jubilee, Armazindy, Victor, A. Webb, F. Hill, Daybreak, Dana Meteor, Morello, Cartledge, McGowan, Bridesmaid, Eldorado, Portia, John's Scarlet, Scott. Fancy stock, $5; ordinary, $3.

CASH.

DANA R. HERRON, Olean, N. Y.

Mention the Florists' Exchange when writing.

GENEVIEVE LORD

Another year's trial convinces us that it is not only a worthy successor to Wm. Scott, but far superior to that variety in every way. In short, it is the finest pink carnation to date, all things considered. We offer a limited number of field-grown plants as follows: First size, $12.00 per 100; Second size, $10.00 per 100. Also a few other varieties. Write for prices, etc. Delivery September 1st.

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

CARNATIONS.

Scott, Daybreak, Joost, Portia, Minnie Cook, $4.00 per 100; $35.00 per 1000.

WM. & JAS. WOOD, . . Yonkers, N. Y.

Mention the Florists' Exchange when writing.

WM. MURPHY,

Wholesale Carnation Grower.

Sta. F., CINCINNATI, O.

Mention the Florists' Exchange when writing

CARNATIONS

Field Grown MARQUIS.

First size, $15.00; Second, $10.00.

L. E. Marquisee, Syracuse, N. Y.

Mention the Florists' Exchange when writing.

Extra Fine Field-Grown

CARNATION PLANTS

Let us figure on your wants.

CHICAGO CARNATION CO., Joliet, Illinois.

Mention the Florists' Exchange when writing.

FIELD-GROWN

CARNATIONS

Daybreak, McGowan, Scott, White Cloud, etc.

Prices and Samples on Application.

THE BOOL FLORAL CO.,
ITHACA, N. Y.

Mention the Florists' Exchange when writing.

60,000 FIELD GROWN CARNATION PLANTS.

Argyle,	Flora Hill,
Pingree,	Triumph,
Tidal Wave.	Scott,
Evelina,	McGowan,
Gold Nugget,	Armazindy

Per 100, $3.50; Per 1000, $30.00.

ROSE PLANTS.

Meteor, Bridesmaid, Bride } 2½ and 3 inch pots, per 100, $3.00; per 1000, $25.00.

American Beauty, 3 in. pots, Per 100, $6.00; per 1000, $45.00.

GEORGE REINBERG,
51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

4 ACRES FIELD-GROWN CARNATION PLANTS--120,000

Our Carnations this year are very fine. They have been grown with the greatest care, free from disease, and are packed light by our improved method of packing, by which we can send to all parts of the United States, in perfect condition,

MAYOR PINGREE BUTTERCUP G. M. BRADT
$1.50 per dozen; $8.00 per 100.

CRIMSON SPORT, ELDORADO, MELBA — ARMAZINDY, DAYBREAK, JUBILEE — MAUD ADAMS, $1.25 per dozen; $6.00 per 100. — WHITE CLOUD, TRIUMPH

McGOWAN, METEOR, DOROTHY SWEET — MRS. FISHER, L. L. LAMBORN, FLORA HILL — ALBERTINI, C. A. DANA, SWEET BRIER, $1.00 per dozen; $5.00 per 100. — PORTIA, WM. SCOTT

PANSY PLANTS Grown from extra choice seed, of our own production, and not surpassed in variety, size, beauty of coloring or freedom of bloom by any other grown. Price, 50cts. per 100; $4.00 per 1000.

Mention this paper. J. L. DILLON, BLOOMSBURG, PA.

10,000

AMERICAN BEAUTY PLANTS

Fine stock, from 3 inch pots, $5 per 100; $40 per 1000.

	Per 100	1000		Per 100	1000
BRIDESMAID, 3 in. pots	$4.00	$35.00	GOLDEN GATE, 2½ in. pots	$4.00	$35.00
METEOR, 3 in. pots	4.00	35.00	KAISERIN, 3 in. pots	4.00	35.00

PETER REINBERG, 51 Wabash Ave., CHICAGO

Mention the Florists' Exchange when writing

AMERICAN BEAUTY 4 in., selected, $15.00 per 100; $75.00 per 100; Maid and Bride, from GRAFTED plants. Perle, Sunset, Meteor, Morgan, Mermet, La France, Niphetos, Kaiserin, Golden Gate, Bon Silene, 3 in., $5.00 per 100; 3½ in., $7.00 per 100; 4 in., $8.00 per 100. Asparagus Plumosus. Marie Louise Violets, clean stock, from pots and soil, $2.50 and $3.00 per 100; $25.00 and $30.00 per 1000.

A. S. MAC BEAN, Lakewood, N. J.

Mention the Florists' Exchange when writing

PHILADELPHIA ROSES

STRICTLY FIRST-CLASS CLEAN STOCK.

100 4 Inch AMERICAN BEAUTIES.
500 3 Inch AMERICAN BEAUTIES.
BRIDES and 'MAIDS, 3 Inch.

MYERS & SAMTMAN, CHESTNUT HILL, **Philadelphia, Pa.**

Mention the Florists' Exchange when writing

IF YOU NEED ROSES
Send us your list for prices.

THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.

Mention the Florists' Exchange when writing.

LAST SWEEP

2000 Bride and Bridesmaid,
In three inch pots, must go at 2 cents each.

CARL E. TAUBE,
Mercer Floral Co. TRENTON, N. J.

Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS...
and Novelties in Decorative Plants.
Market and 49th Sts., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

ROSES

Perle		Sunset
K. A. Victoria		Sunv. de Wootton

Strong clean plants, from 3 in. pots, $7.00 per 100; $65.00 per 1000.

Brides	Golden Gate
Bridesmaid	La France
Bon Silene	Maid of Honor
Duchess of Albany	Mermet

Strong, clean plants from 3 in. pots, $6.00 per 100; $55.00 per 1000.

LIBERTY

12	plants for		$2 20
25	"	"	12 50
50	"	"	15 00
100	"	"	28 00

Strong, Field-grown **CARNATIONS** Healthy Stock

America, Gen. Maceo, Mrs. Geo. M. Bradt, Buttercup.
1st size, $8.00 per 100; $70.00 per 1000
2d size, $6.00 per 100; $50.00 per 1000

Melba, Genl. Gomez, Jubilee, White Cloud, Armuzindy.
1st size, $7.00 per 100; $60.00 per 1000
2d size, $5.00 per 100; $45.00 per 1000

Bon Ton, Daybreak, Eldorado, Flora Hill, Frances Joost, Psyche.
1st size, $6.00 per 100; $5 .00 per 1000
2d size, $5.00 per 100; $45.00 per 1000

Firefly, John's Scarlet, New York, Sea Shell, Victor, Thos. Cartledge, Alaska, Portia, Lizzie McGowan, Wm. Scott.
1st size, $5.00 per 100; $40.00 per 1000
2d size, $4.00 per 100; $35.00 per 1000

SMILAX strong plants, from 2½ in. pots, $2.50 per 100; $18.00 per 1000.

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

VIOLETS. VIOLETS.

Maria Louise, clean and healthy in every particular 3 in. pots, $5.00 per 100; ready.
Cash with Order.

WM. J. CHINNICK. - Trenton, N. J.

Mention the Florists' Exchange when writing.

VIOLETS MARIE LOUISE

Strong, clean, healthy plants, from flats, for immediate planting, $2.50 per 100; lot of 2000, $45.0. This is a great bargain. Also a small lot of

CINERARIA Ready for 3 inch pots, strong and well-grown, $3.00 per 100.

CASH WITH ORDER.

EMILY S. CONCKLIN, Amenia, Dutchess Co., N. Y.

Mention the Florists' Exchange when writing.

VIOLET PLANTS

Strong, healthy stock, 3½ in. pots.

MARIE LOUISE, FARQUHAR, IMPERIAL, $3.00 per 100.

JOHN JONES, Convent Station, New Jersey.

Mention the Florists' Exchange when writing.

ROSES— 600 Brides, 200 Maids, at $4 per 100; extra strong plants, for immediate planting, the lot for $25.00. ☞ Cash with the order.

ROBT. WILLIAMSON, New Durham. N. J.

Mention the Florists' Exchange when writing.

3000 METEOR PLANTS

3½-INCH POTS.

Per 100, $3.00; per 1000, $25.00.

Big, strong, and in prime condition. Although the season is well advanced, with these plants there is a reasonable chance of success.

BRANT & NOE, Forest Glen, **Chicago, Ill.**

Mention the Florists' Exchange when writing.

ROSES

300 La France	4 inch, nice plants, $4.00 per 100.
500 Kaiserin	
100 Gontier	
200 'Maid	
250 Bride	
200 Golden Gate	

CASH WITH ORDER.

A. A. WHITBRED, - Altoona, Pa.

Mention the Florists' Exchange when writing.

ROSE PLANTS

In varieties, from 2½, 3 and 4 inch pots. Write for prices.

	100
Lemon Verbena, 3 in. pots	$4 00
Sanseviern Zeylanica, 3 in. pots	5.00
Asparagus Plumosus, 2½ in. pots	5 00
Asparagus Sprengeri, 2½ in. pots	4.00
Nephrolepis Cordata Compacta, 2½ in.	3.00
N. Cordata Compacta, 3 in. pans...per doz.,	6.00

Field-Grown, Scotch Hardy Pinks, at $3.50 per 100; $30.00 per 1000. 6 varieties.

THE NATIONAL PLANT CO., Dayton, Ohio.

Mention the Florists' Exchange when writing.

Montreal.

Trade Notes.

At last we are getting some hot, dry weather, and plants that have been brought in from the fields don't seem to relish it. Roses are still very small. Few flowers from young plants are seen yet. Sweet peas and asters continue good, and form the staple for any little demand there may be from the stores.

Club Notes.

A big crowd at the club meeting on Monday night listened to some very interesting reports from the various committees.

The picnic report was highly satisfactory; a balance of $25 on the right side was recorded. Four new members were elected. C. A. Smith exhibited a very fine specimen plant of Acalypha Sanderi, for which, on recommendation of the exhibit committee, he was awarded a certificate of merit.

A paper on "Hints on the Promotion of Interest in the Club," read by Fred Bennett, was well received. The writer was accorded a hearty vote of thanks.

Convention Echoes.

We feel highly flattered at the pleasant remarks made by our convention visitors, and are very pleased that our humble efforts were appreciated. Not alone by our intercourse with our friends from distant points was this convention most beneficial: it has been of the greatest value in making us more familiar with several of the very best of our own craftsmen who have heretofore held largely aloof from the workings of the club.

It is with the greatest gratification that we have seen the active interest taken in the Convention by our new park superintendent. We beg to assure Mr. Henderson of our hearty appreciation of his efforts toward the success of our Convention.

The finest thing in hardy perennials seen on Saturday was Delphinium sulphureum Zallia, grown by George Trussell. As its name indicates, it is a pure sulphur yellow; its spike of flower, 18 inches in length, is equal in quality to a spike of oncidium.

A clump of Hydrangea paniculata, of a size seldom seen in this section, was a feature in Mount Royal Cemetery.

The general effect of the bedding in Mount Royal Park is very fine. Mr. Pidduck is to be congratulated on the success he has achieved during his first year in charge.

A bed of Abutilon Savitzii, with a groundwork of dwarf-growing achyranthes, at Geo. Robinson's place was greatly admired. B.

HARDY RUSSIAN VIOLETS Runners, well rooted. $1.25 per 100, by mail; $10.00 per 1000, by express. The flowers are very large, good steme, and the best bloomers. Try me with an order.

MRS. J. MAURER,
1814 31st Street, - GALVESTON, TEX.

Mention the Florists' Exchange when writing.

VIOLETS

6000 March Struck **Farquhar,** 3 inch pots, fine healthy stock.

500 DRACÆNA SANDERIANA,
3 inch, ready for a shift.
State Quantity. Price on Application.

J. R. FREEMAN, 612 18th St. N. W., **Washington, D.C.**

Mention the Florists' Exchange when writing

Marie Louise Violets

Strong Healthy Plants,
$3.00 per 100, $25.00 per 1000.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

VIOLETS From pots, A1 stock, free from disease: Lady Campbell, M. Louise and Farquhar, $2.50 per 100; $20.00 per 1000. New Imperial, $3.00 per 100; $25.00 per 1000. 3-inch pots of L. Campbell, Farquhar and M. Louise, $4.00 per 100; $35.00 per 1000.

ROSES Fine plants of Meteor and Perle, from 3-in pots, at $3 per 100, $25.00 per 1000; also 3-inch 'Maids and Brides, same price.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

VIOLETS!

5000 Marie Louise
From 4 inch pots.

Positively free of all disease and single crowns
$5.00 per 100; $40.00 per 1000.

2000 SELAGINELLA
Strong plants, from 3½ inch pots, $6.00 per 100.

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

Echoes of the Montreal Convention.

The attendance might have been larger, but the increase was more than 50 per cent., and the Provinces of New Brunswick and Nova Scotia added.

The paper by Mr. Robinson on the decoration and care of private grounds was thorough. Mr. King's paper on the heating and ventilating of greenhouses, when read from print, will furnish thought for all.

Pan-American Scott made an able plea for a petition to the Dominion Government to erect a Canadian building at Buffalo next year, and after rumors of a big Dominion exhibition in Canada next year a resolution to that effect was enthusiastically passed.

The dignity of the chair was well upheld by President McKenna.

The choice of London for the next meeting met with no opposition.

A very good feature was the regular attendance of all members at all meetings—one advantage of a small attendance.

The trade exhibit should be larger in the future.

The elections went all right. Dunlop will be a record breaker.

The social phase of the convention was simply out of sight, running so smoothly that at the termination it was impossible to pick out one that had done more than another toward entertaining us. It was a committee of the whole in its perfect sense.

All from outside were surprised at the magnitude of the city—the very fine buildings, the volume of business done, the number of pleasure resorts and the grandeur of the interior of the churches. Great Scott! The trip down the Lachine Rapids was enjoyed; it went off well; and why not? We had just come from the private gardens of Mr. Daw, of ale renown, where, after seeing one of the most perfectly kept grounds and greenhouses, under the charge of Mr. Smith, we were regaled on the beautiful lawn with ale fresh from the cellar, and everything that goes with it.

On Saturday the whole day was taken up with cariage rides to all the places of note, and all the very fine private residences and gardens. The latter were eye openers, most noticeable among them being that of Mr. Joyce, the millionaire confectioner; gardener, Mr. Robinson, who read the able paper and certainly showed that he practiced what he preached. Here we were welcomed to a fine, cold lunch on the lawn, presided over by Mr. Joyce in person. A ride to the top of the mountain, world renowned for the grand view of Montreal and the neighboring country, was worth the whole trip.

A visit was paid to George Trussel, with Mrs. Molsom, where some of the finest geranium beds were seen. Mr. T. is a specialist in geranium bedding.

The climax was the banquet given by the Florists and Gardeners' Club. This was fine and complete in every way. E.

Worcester, Mass.

The flowers at the weekly show were very fine. The competition was very close on zinnias, scabiosas and bouquets. Those in the amateur classes were nearly as fine as those in the florists' classes.

There seems to be a large black bug or beetle around here that eats up the aster flowers as soon as opened. The pest is fully as destructive as the green louse on sweet peas. J.

Cincinnati.

Trade Notes.

We have very little to say for trade this week. Funeral work is all that demands flowers and we have plenty of those for the call.

Jottings.

Don't forget that the next regular meeting of the Florists' Society occurs at the residence of Mr. and Mrs. Julius Schuman, at Newport, Ky., September 6, at 2.30 p. m. The ladies are especially invited to attend. Several new members are expected to be added to the list, and much important business will be transacted. Every grower and store man should be present.

None of the Cincinnati contingent who attended the convention has returned home yet, but Miss White, of Lexington, Ky., was a caller Sunday, and the report she brings is certainly very gratifying. The crowd must have been a large one, judging from the list of new members. To enroll 400 new members at one meeting is phenomenal. Now if they would all stick it would be still more wonderful.

I am a little surprised that the press of New York did not take more notice of the convention. I bought the New York papers every day, but failed to find even a little notice. Does the press of New York think the Society of American Florists so small that it is not worthy of notice?

The Florists' Exchange is to be congratulated on the success of its daily editions. Buffalo is also to be congratulated, and so is Bro. Rudd, Mr. Watson to the contrary notwithstanding. I should have liked to have seen the trade papers print the names of every member present. I for one enjoy looking over the list and seeing who among my brother florists were fortunate enough to attend. (The daily editions of the Exchange contain a list of this kind. Ed.)

On Wednesday last a hail storm passed over Murphyville and did considerable damage to greenhouses. At Wm. Murphy's it not only broke glass, but it laid his smokestack over in the field. Nearly all the Murphys sustained loss from broken glass. Corn, sweet potatoes and nearly everything in the plant line suffered from this storm. Fortunately it was only spread over a narrow strip, but it left its trail.

Abbott & Stevens is the firm name of a new cut flower store, recently started on Vine street, near the Canal.

Max Rudolph now has his new range of glass at College Hill nearly completed. He is beginning to cut some roses and other stock.

The weather still remains warm and sultry, with the thermometer ranging in the nineties. Occasional thunder storms cool the air for a time, which is a godsend for the downtown districts where little children suffer. The hilltops fare much better, as there is nearly always a good breeze stirring there.

The stable of Henry Schwarz, Price Hill, was destroyed by fire Monday night last.

E. G. GILLETT.

CRYPTOMERIA JAPONICA JAPAN CEDAR.
THE NOVELTY DECORATIVE PINE.
Everybody wants it. There is money in it. Strong plants, from 2 inch pots, $5.00 per 100, or 20 for $1.00, by express. SMILAX, from 2 in. pots, $1.25 per 100.
SATISFACTION GUARANTEED.
E. I. RAWLINGS, Quakertown, Pa.
Mention the Florists' Exchange when writing.

60,000 DAHLIAS
For Fall Delivery.
All the best and newer varieties. Stock first-class. Prices right.
A. B. DAVIS & SON, Purcellville, Va.
Mention the Florists' Exchange when writing.

ORCHIDS
Arrived fresh from the woods in fine condition. Lælia Anceps, L. Autumnalis, L. Crispa, L. Flava, L. Grandis, Tenebrosa, L. Perrinii, Oncidium Varicosum Rogersii, Cattleya Percivaliana, and C. Mossiæ.
CORRESPONDENCE SOLICITED.
LAGER & HURRELL, Summit, N. J.
Mention the Florists' Exchange when writing.

PRIMROSES
Improved Chinese, ready for 3 in. pots. Well-known as the finest large-flowering fringed varieties grown. **Singles,** named, $2.00 per 100; **Doubles,** named, $3.50 per 100.
Primula Obconica Grand Hybrida. The very finest improved hybrid varieties, of various shades; large flowering and truly grand, $3.00 per 100.
Cinerarias. Finest large flowering dwarf varieties; mixed colors, $2.00 per 100.
Cyclamen Giganteum. Strong and fine, out of 3's, $4.00 per 100. Extras added to help pay expressage.
FINEST GIANT PANSY SEED.
The very best of mammoth varieties; no finer ever offered; all the seed plants critically selected. **Sow the Best.** Packet, 3500 seeds, $1.00; half pkt., 50cts. A packet of the grand new dwarf Forget-Me-Not, "Blue Beauty," added to every seed order. Strictly cash prices.
The Home of Primroses, **JOHN F. RUPP, Shiremanstown, Pa.**
Mention the Florists' Exchange when writing.

VIOLETS, ASPARAGUS PLUMOSUS AND SPRENGERI

	Per 100		Per 100
Asparagus Plumosus, 2¼ in.	$5 00	Violets, Farquhar, 2¼ in., free of disease	2 50
" Sprengeri, 2 in.	3 00	" " 3 in " "	3 50
" " 2¼ in.	4 00	Vinca, 2¼ in. $3 00 3 in.	5 00
Baby Primrose, 2¼ in.	4 00	" 4 in. 10 00 5 in.	15 00
Begonia Rex, rooted cuttings	2 00	Vinca, rooted cuttings	1 25
Forget-me-not, " " (winter)	2 00	" " "	$10.00 per 1000

Send for Descriptive Circular and prices for the best Florists' Hose Nozzle.
TERMS CASH or C. O. D.
GREENE & UNDERHILL, Watertown, N. Y.
Mention the Florists' Exchange when writing.

CHINESE PRIMROSES
50,000 Finest large-flowering fringed, per 1000, $15.00; per 100, $1.75.
Obconica Grandifl. and **Rosea,** ready Sept. 20, per 100, $2.00.
ASPARAGUS SPRENGERI, $3.00 per 100. PLUMOSUS, $4.00 per 100. | **PANSY SEED** Large Flowering, per ounce, $4.00.
CINERARIA, October 1, $2.00 per 100.
Cash, please. **JOS. H. CUNNINGHAM, Delaware, Ohio**

25,000 SMILAX That will grow and make strings this fall. From 2 inch pots, $1.50 per 100; $13 00 per 1000. From flats, by mail, 50c. per 100; $4.00 per 1000. Send for samples.
CASH WITH ORDER.
FRED BOERNER, Cape May City, N. J.

600 FINE SMILAX PLANTS
2½ Inch Pots, **$2.00 per 100.**
CASH WITH ORDER.
WM. KEIR, - Pikesville, Md.

SMILAX.
Fine Plant, from 3 in. pots, cut back, $2.50 per 100.
Cyperus Alternifolius, 2½ in. pots, $2.50; 3 in. pots, $3.50; 4 in. pots, $8.00 per 100.
Baby Primrose, 2½ in. pots, $3.00; 3 in. pots, $5.00 per 100.
Silk Oak, 3 in. pots, $5.00; 4 in. pots, 8.00 per 100.
Cryptomeria Japonica (Japan Cedar), 2½ in. pots, $5.00 per 100; 20 for $1.00.
Coleus, from soil, fine plants, in variety, 60c. per 100; sample 10c. Low express rates.
J. S. BLOOM, Reigelsville, Pa.
Mention the Florists' Exchange when writing.

SMILAX!
From 2¼ in. pots, $2 per 100; $18 per 1000.
Cash with Order, Please.
B. H. TROWBRIDGE, Fishkill Village, N. Y.
MOUNT HONNES CONSERVATORIES.
Mention the Florists' Exchange when writing.

150 SMILAX, 2½ in., $2.00 per 100

'MUMS Clark, Morel, Adams, Whildin, Lincoln, Niveus, Lager, Gasteller, Wanamaker, Mutual Friend, Dawn, Tuxedo, Woodford, Invincible, Maud Dean, The Harriot, Wedding, G. Pitcher, Dorner, Merry Monarch, Yellow Monarch and Ysanoma, 2½ inch, $2.00 per 100.
Cash with order.
A. A. WHITBRED, ALTOONA, PA.
Mention the Florists' Exchange when writing.

PRIMULA CHINENSIS
In six colors, mixed, strong plants, out of 2 in. pots, $2.00 per 100. Out of 3 in. pots, $3.00 per 100.

PANSY PLANTS
Cassier and Trimardeau, large flowering, 35 cts. per 100; $3.00 per 1000. (Cash with order.)
H. STAHLHUT, New Lots Road and Shepherd Ave., BROOKLYN, N. Y.
Mention the Florists' Exchange when writing.

CHINESE PRIMROSES 2¼ and 2½ in. pots, mixed, $2.00 a 100.
FORREST, magenta red, new, $5.00 per 100; 75 cts. per dozen. Cash, please.
JOHN E. DE WALT, Box 82, CARLISLE, PA.
Mention the Florists' Exchange when writing.

GERANIUM AMERICA
The Queen of all Geraniums; come and see 3000 plants in full bloom. Good, strong stock plants, out of 4 inch pots, **$2.50** per doz.; **$20.00** per 100.
HENRY EICHHOLZ, Florist, **Waynesboro, Pa.**
Mention the Florists' Exchange when writing.

J. E. FELTHOUSEN,
Rooted Cutting Specialist,
SCHENECTADY, N. Y.

VERBENA KING
Our specialties in Rooted Cuttings will be Verbenas, Coleus, Petunias, Fuchsias, Heliotropes, Ageratum, Geraniums, and other stock, all of the best named varieties. Orders booked for the above now, and express prepaid.
SMILAX Strong plants, $1.25 per 100; $10.00 per 1000.
C. HUMFELD, - Clay Center, Kansas.
Mention the Florists' Exchange when writing.

GIANT DOUBLE ALYSSUM 3 inch pots, $3.00 per 100.
Field-Grown CARNATIONS Wm. Scott, Fisher, Liberty, Duke of York, Annie Pixley, Lois Haettal, Eldorado, $3.00 per 100.
VIOLETS Campbell, field-grown clumps, $3.00 per 100; 2¼ in. pots, $2.50 per 100.
SMILAX 2¼ inch pots, $2.25 per 100.
Clean, Healthy, A No. 1 stock. Cash with order, please.
E. J. CLOUD, L. B. 32, Avondale, Pa.
Mention the Florists' Exchange when writing.

ALTERNANTHERAS
P. Major and **A. Nana,** 2 in. pots, $1.50 per 100.

COLEUS.
Crimson Verschaffeltii and **Golden Queen** or **Bedder,** or mixed, 2 in. pots, $1.50 per 100.
Giant Sweet Alyssum and **Variegated Alyssum,** 2 inch pots, $1.50 per 100. Cash with order
C. A. HARRIS & CO., Delanson, N. Y.
Mention the Florists' Exchange when writing.

CYCLAMENS For Christmas blooming, Giganteum or Persicum, extra fine, large healthy plants, 3 inch, ready for 4 inch, $6.00 per 100, 200 for $10.00; 4 inch, $10.00 per 100.
PANSY SEED (New Crop). Superb Strain Prize Mixture, Bugnot's, Cassier's, Odier's and Trimardeau, separate or mixed, $2.00 per oz.
SAMUEL WHITTON, 15-17 Gray Ave., UTICA, N. Y.
Mention the Florists' Exchange when writing.

STOCK THAT WILL PLEASE
ROSES, Meteor, Bride and Maid, strong, 3½ in. pots, $4.00 per 100.
ASPIDISTRA, Green, $5.00 per 100.
Variegated, $8.00 per 100.
SMILAX, strong, 2 in., $1.50 per 100.
JERUSALEM CHERRY, 2 in., $1.50 per 100.
FICUS, top cutting, fine, $18.00.
A. C. FEHR, Belleville, Ills.
Mention the Florists' Exchange when writing.

THE MORRIS FLORAL CO.,
WHOLESALE GROWERS OF
Plants and Rooted Cuttings,
MORRIS, ILLINOIS.
Mention the Florists' Exchange when writing.

CINERARIAS We grow an immense quantity of a superb strain; transplanted in flats, $1.50 per 100, 400 for $5.00; 2¼ in., $2.00 per 100, 300 for $5.00; 3 in., $3.00 per 100, 400 for $10.00.
Cineraria Seed, trade packet, 50 cents.
Chinese Primula, 2¼ in., $2.00 per 100; 3 in. $3.00 per 100.
Cyclamen Persicum Giganteum, 3 in., $6.00 per 100; 4 in., $8.00 per 100.
Pansy Seed, our own superior mixture, largest trade packet, 50 cents; ounce, $3.00; ¼ ounce, $1.75.
WHITTON & SONS,
Wholesale Florists,
City and Green Sts., - - UTICA, N. Y.
Mention the Florists' Exchange when writing.

AT A BARGAIN.
500 Bridesmaid Roses, 3-in., good stock, at $4.00 per 100; the 500 for $18.00 cash.
Palms, Kentia, Belmoreana, 2-in., per 100 $7.00; 3-in., per 100, $20.00.
Latania Borbonica, 3-in., per 100, $15.00.
Dracæna Sanderiana, 2-in., per doz., $1.50.
Selaginella Emmeliana, 2-in., per 100, $3.00.
Asparagus Sprengeri, fine, 2-in., per 100, $4.00.
Grevillea Robusta, 3-in., per 100, $3.00.
Rex Begonias, 3 in., in 10 good varieties, per 100, $7.00.
SMILAX,
Good Stock, from Pots, at $1.25 per 100; $10 per 1000.
Satisfaction Guaranteed. Cash with Order.
GEO. L. MILLER, Newark, Ohio.
Mention the Florists' Exchange when writing.

Asparagus Plumosus Nanus Fine young plants $5.00 per 100.
Begonia Rex Strong, 3 in. pot plants, in good assortment, $6.00 per 100.
Cyperus Alternifolius 2½ inch pots, $3 00 per 100.
Cyclamen Dry Bulbs, finest strain mixed, $6.00 per 100.
Carex Japonica Variegata An excellent decorative grass. Extra strong plants, from 2½ in. pots, $5.00 per 100.
Nephrolepis Cordifolia 2½ in. pots, $3.00 per 100.
Smilax Field-grown, strong clumps, $3.00 per 100; Extra heavy, $5 00 per 100.
NATHAN SMITH & SON,
ADRIAN, MICH.
Mention the Florists' Exchange when writing.

XXX STOCK For Immediate Shipment.
Cyclamen Persicum Splendens Giganteum, finest strain in the world, in 4 true colors, a splendid stock of plants, from 2½ in. pots, $5.00 per 100; $40.00 per 1000; from 3 in. pots, $7.00 per 100; $60.00 per 1000.
Chinese Primroses (fringed), single and double, in the finest market vars., from 2¼ in. pots, $2 50 per 100.
Begonia Rex (rooted cuttings), in 15 vars., mixed, $1.50 per 100; assorted, $2.00 per 100
Cinerarias Hyb. Maxima Grandiflora Nana, from 2½ in. pots, $2.50 per 100; $20.00 per 1000.
Carnations (field-grown), strong, healthy plants—Daybreak, Wm. Scott, McGowan, White Cloud—first size, $4.00 per 100; $35.00 per 1000; second size, $3 per 100; $25 per 1000
250 plants of any of the above at the 1000 rate
ALL STOCK GUARANTEED A No. 1.
PAUL MADER, East Stroudsburg, Pa.
Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

The Florists' Exchange

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO., LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00.
Payable in advance. The date on the address label indicates when subscription expires.

CHANGES OF ADDRESS.

When notifying the publishers to send the paper to a new address, give both old and new addresses.

BINDERS.

The publishers can supply binders which will hold the papers for one complete volume, keeping them in perfect order for ready reference. Price, postpaid, $1.00.

ADVERTISEMENTS, $1.25 PER INCH.

Special positions extra.
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Copy must reach this office not later than Thursday in order to secure insertion in issue of the following Saturday.
Orders from unknown parties must be accompanied by cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The Florists' Exchange are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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A Card of Thanks.

The Hall Decoration Committee of the New York Florists' Club wishes to thank the following firms for their generous contributions of cut flowers and plants loaned at the recent S. A. F. Convention, all of which were very welcome, and, it is hoped, used to the best advantage.

Plants.—David Clark's Sons, Julius Roehrs, Siebrecht & Son, James Weir & Son.

Cut flowers and greens.—C. W. Ward, W. A. Manda, W. H. Siebrecht, W. Nillson, Chas. Lenker, William Plumb, Wm. Wallace Burnham, Louis Schmutz, Adolph LeMoult and Arthur Herrington.

To Caldwell, the Woodsman, for southern smilax, and to the Adams Express Co., who kindly "paid the freight" on same.

To Reed & Keller for loan of screens, etc., and to Whirtimber & Co. for loan of vases.

The committee would also thank members for the "help" loaned and contributed—of which W. I. Brower and Edw. Bogan did more than their share.

J. B. Nugent, Jr.,
Chairman of Committee.
Harry A. Bunyard, Sec'y.

Photographic Contest for August.

The Florists' Exchange photographic competition for August has closed. Quite a number of entries have been received. The winners' names will be announced in an early issue.

Convention Group Pictures.

With this issue we present supplement showing photographs of groups taken at Glen Island. As before stated, originals of these pictures will be sent C. O. D. to those desiring them on application to the photographer, Prince, of Washington, D. C.

New York's Flower Market.

What Philadelphia Thinks.

The National Convention of Florists, recently held in New York, has started there talk of the need of a public flower market. The idea is certainly a good one. Flowers are more and more in demand, and in certain cases and conditions of life fall but little short of taking rank as one of the necessities. A large majority of people in big cities have no other way of getting flowers than to buy them, and they ought to have the same facilities in this as they have for the purchase of vegetables and similar supplies. If a flower market would lower the price, as is to be hoped, it would also still further increase the demand, so that the growers would probably have nothing to complain of.—*Philadelphia Times.*

The New York Press and the Convention.

Disappointment has been expressed in some quarters at the alleged paucity of news regarding the Convention contained in the daily papers of New York City, and in some instances, unthinking and uninformed persons have attributed this supposed condition to a seeming dereliction of duty on the part of the Press Committee of the New York Florists' Club. We wish to state for the information of all parties concerned that we have in our possession, supplied to us by our press clipping bureau, extracts from the Sun, World, Herald, Times, Tribune, Commercial Advertiser, Daily News, New York Commercial, Evening Post and others, and across the river, the Brooklyn Citizen and Brooklyn Eagle, all giving more or less extended reports of the Convention during the days it was in session.

As regards the Press Committee, we think it due to them to state that at no other convention which we have attended have the arrangements for supplying information to the daily papers been so complete as at the meeting just past. The chairman of that committee, Mr. C. W. Ward, in his usual methodical manner, had a typewritten summary of each day's work prepared, ready for the use of every daily paper in New York City. These summaries were handed to the correspondents as they called at the Convention Hall, saving them a vast amount of trouble, and we are glad to state, as before mentioned, they were taken full advantage of by the daily papers.

But in a metropolitan city such as New York is, and especially at this period of the year, when politics is the absorbing theme, it is a matter for gratification that the Society of American Florists received the attention that it did at the hands of the daily press. We have known conventions to occur in this city which have been entirely ignored by our newspapers, and other cases where less than a single stickful of type was devoted to their whole proceedings. The S. A. F. has, we think, fared admirably at the hands of the New York papers, and there has been absolutely no ground for criticism, so far as the work of the Press Committee of the New Florists' Club is concerned. By personal solicitation, and otherwise, the members of that committee put forth strenuous efforts, to the end that the work of the society be brought prominently before the New York public, and that their labors were successful, the extracts from the daily papers before referred to amply demonstrate.

Snap Shots.

Dinner party No. 1, at Glen Island, envied dinner party No. 2, because the latter had an hour more to get up an appetite.

The fretful clam had an inning on Friday, some victims felt like a jack-knife and others like a water-spout.

Inadvertently, the names of Robert Craig, John N. May and Wm. Scott, were omitted from our list of ex-Presidents present at the Convention. The above named gentlemen are always on hand, and, though named last, they are not least by any means.

A western man handed a member of the New York Florists' Club, on the close of the Convention, a program of the New York Florists' Club's grand midsummer excursion, tendered to the Society of American Florists, up the American Rhine, by the steamer Long Branch, Capt. James Lynch, on Friday, August 24, 1888, with this remark: "I have no further use for this memento. The New York Florists' Club has completely wiped out the memory of that occasion, and is now at the head, instead of the tail, of the procession. Formerly when a New Yorker got too gay, I used to show him this card, and he would immediately subside. Hereafter a New Yorker is entitled to sing as loud as he likes."

Of course, we had to be reminded of the "old sore" of 1888. But it's buried "deep in oblivious wave." Such poetry fully atones for the kind remembrancer.

Now, Willis N., will ye be good? "Bemdaned" (? bed—d), as thou hast been, with all the strength and forcefulness of the Philadelphia philosopher.

John Evans and George M. Garland forgot their ventilators and iron gutters while the baby elocutionist told how "Maw had joined the club."

The Annanias Society missed its annual session.

Ex-President Gude saved the O. H. appendage of the S. A. F., and that prince of ornamental horticulturists, ex-President W. R. Smith, still feels that the National Society protects him with its sheltering wing.

That was an admirable idea of J. L. Dillon's to show photographs of his house of Queen Louise carnation taken at different periods throughout the growth of the plants.

The philosophy of the Philadelphia Scotchman, fortified by that of Puddenhead Wilson, ended as it began—in wind—and helped blow the Convention to Buffalo.

He was a mean man who put a card stating "take one" in the dish of Roman hyacinths on exhibition belonging to a New York house. The visitors acted on the suggestion, and cleaned the dish.

Quite a number of the delegates took in the vaudeville entertainment Friday night, on the Roof Garden of the Grand Central Palace.

The Chicago Times-Herald announced that J. C. Vaughan had been elected president of the S. A. F. O. H., and presented a good likeness of that gentleman, together with an account of his interesting career. There's a good time coming.

The Chrysanthemum Society of America had its usual quota of members present at its annual meeting.

While we are dreaming of a "charter and a home," it is well to inquire where the American Florists' establishment for the manufacture of glass is located.

The one thing that will be a sheet anchor to the S. A. F. O. H. in the future is the life membership reserve fund. That idea was promulgated by J. G. Esler, and put into practical shape by Grove P. Rawson. Robert Craig saw its utility when he called attention to it.

The waiter at the table of the committee No. 49 was a genuine Irishman, and kept the diners in roars of laughter by his original Irish witticisms.

Two new high balls—the S. A. F. and the New York Florists' Club—were tasted, and the S. A. F. took the taste of the imbibers the best.

Convention Echoes.

By a Westerner.

New York has done herself proud, and fully redeemed any feeling as to bygones. It was, indeed, a royal reception from first to last. The carriage ride to Central Park, and the outing to Prospect Park and other parts of Brooklyn, were glorious features. The Glen Island trip, for all, was something ever to be held in remembrance.

Old and young were in ecstasies from first to last.

Just imagine, also, if you can, a couple of staid old Milwaukee florists mounted on high on the hoodah on the elephant's back, with a photo taken of the scene, wherewith to tantalize the stay-at-homes!

How some of our boys did turn down the clams when they finally found out the right way to get at them. As a rule, the westerners are watchful and careful of etiquette; but, once right, ready to go ahead. Those seated near the writer seemed perfectly at home in opening the bottle that made Milwaukee famous.

What shall be said about the exhibition? At times there has been a feeling that the trade exhibit had seen its best days; this one settles the question for good and all. It needs but the place, the right men in control, and the will of exhibitors themselves to make of these exhibits a great feature.

It was certainly a happy thought to include in the show the products grown by private gardeners. The plants were certainly superb; the grapes and vegetables grand.

In fact, what was there omitted, in the lay out? Tell me. From vegetables up to the choicest palms and water plants; greenhouse building complete in all necessary details; florists' supplies in endless detail. Even the little flower pot, as a memento, will be carried from one end of the continent to the other, attached to many a fair florist's dress, to show how they did it in New York. Who that saw the chaos of the vast space required by exhibits on the arrival of the Chicago special, near midnight, on Monday, would have imagined all would be so slick for the opening the following morning.

All one can say is "well done, New York; it will be hard to beat you this time."

The Convention itself, thanks to Presidents Wood and O'Mara, went off equally satisfactorily, and the meetings were well attended, considering the counter attractions of the city itself and the exhibits in the adjoining building.

It will never be known how near Chicago came to beating Buffalo for 1901. Somebody seemed afraid of the trial. Never mind! New York has set a pace; Great Scott! who's going to beat it?

That Chicago bowling team worked a little on the same lines. Say, how they did wallop the Quakers for the first two games, and then, like the rooters for Chicago in 1901, fell by the wayside. Buffalo rubbed it in; took first place in both trials. However, Ed. W. promised a prize should be brought back, and he was as good as his word; his better half better.

The Posey County man's talk is worth looking into.

That Souvenir Book is certainly a beautiful memorial of New York's noted Convention and exhibits great industry in its compilation. Ess.

New York.

Market Notes.

The din and bustle of the Convention have subsided, and we are again settled down to regular business; at least, to what business there is, which isn't very much. Wholesale experts claim that trade was never so dull as has been experienced during the past week.

The shipments of roses are steadily increasing, but the weather is so hot that few are reaching the city in good condition. American Beauty and K. A. Victoria are coming in in the best shape of any, and realizing the highest figures, but this is not a time when anything like a steady market price can be quoted. With thousands of roses on hand, weather so warm that street peddlers are not operating, and store trade at its lowest ebb, we are not surprised when we learn that roses in lots have gone for 25c. per 100. Then, again, there have been fair values paid for the little fancy stock arriving; for instance, Kaiserin and Beauty have, on snap sales, touched 10c. and 20c. respectively.

Asters, gladiolus and hydrangeas are very plentiful, but no fixed values for them obtain.

Carnations are mostly from outdoors.



Photograph by Prince, of Washington.

GROUP OF DELEGATES TO THE NEW YORK CONVENTION, S. A F. O. H., AT GLEN ISLAND.



Photograph by Prince, of Washington.

GROUP OF DELEGATES TO NEW YORK CONVENTION, S. A. F. O. H., AT BOAT LANDING, GLEN ISLAND





A CORNER OF THE TRADE EXHIBIT, NEW YORK CONVENTION, S. A. F. O. H.

as yet; from 50c. up is the asking price. Lily of the valley is a glut; thousands are on hand, and if it averages 50c. per 100 for this week it will go beyond our expectations, judging from the quantity carried.

Brevities.

Miss Riley is back at the cashier's desk in J. K. Allen's wholesale house, after spending several weeks in the country.

Sheets of the FLORISTS' EXCHANGE, containing the full scores of the bowling tournament, were given to the florist audience at the root-garden performance last Friday night within 90 minutes of the time the last ball was thrown down the alley.

On Monday of this week thieves broke into the residence of P. L. Bogart while the family was absent. Fortunately the marauders were scared away before they had time to collect any valuables.

The 69th fair of the American Institute will be held in the Berkeley Lyceum building, West 44th street, on September 25, 26 and 27. Premiums will be awarded for plants, flowers, fruits and vegetables.

The final meeting of the Committee on Sports of the New York Florists' Club will be held on the alleys, 57th street and Sixth avenue, on Monday, September 3, between the hours of 3 and 6 o'clock, p. m. The election of officers of the bowling club for the ensuing year will also take place at the same meeting.

Young & Nugent are changing the interior arrangement of their store. The office is being moved from the rear to the front, and, when finished, the change will add quite a little to the floor's capacity.

James Hartshorne, of Chicago Carnation Co., was a visitor on his way home from Europe. Jimmy is sorry he just missed the Convention.

E. W. McLellan, of San Francisco, left New York for Philadelphia on Thursday. He will also go to Boston before returning to the West.

John P. Cleary left Wednesday to spend a few days in the country, to recuperate after his hard week's work at the Convention.

Gus. Bergmann, salesman for John Young, is critically ill.

The Siebrecht Sale.

The auction sale at Siebrecht & Son's, Rose Hill Nurseries, New Rochelle, N. Y., on Monday and Tuesday last, was not as well attended as was anticipated. The stock consisted of palms, ferns, dracænas and other stove and greenhouse plants, also orchids. Prices were good, the orchids selling particularly well. Among the trade buyers were Julius Roehrs, Carlton Hill, N. J.; Robert Craig, Philadelphia, Pa., and Theo. Lang, New York.

Among the Retailers.

J. H. Small & Sons recently executed a magnificent decoration for Mrs. Herman Oelrichs, at her Summer home in Newport, R. I. The affair was a "harvest home" dinner, and occurred on the 22nd inst. The principal feature of the decoration was a canopy, under which the dinner was served. This canopy was composed wholly of hop vines, all in full fruit, and extended from the piazza of the mansion over a length of 90 feet; it was 30 feet wide and 25 feet high at the highest part, and at the side reached down to within 12 feet of the ground. Over a carload of hop vines were consumed in the making of the canopy, and, it is probably the first time this vine was ever used for decorative purposes to any great extent. In the 12 foot space, from the lower edge of the canopy to the ground, a genuine "harvest home" display was made, with the exception of four openings, the entire length being banked with farm implements, and products, such as corn, wheat, etc. From the canopy, looking towards the ocean, but one vista was left, and through it the assembled guests had a magnificent view of the full moon in the distance. This was a work of art, however, and not the real thing, as the original happened to be in the last quarter at that time. The moon used was one painted for the occasion, and hung almost 200 yards distant from the canopy in such a position that it was in plain view of the guests. Interspersed among the vines that formed the canopy were hundreds of miniature incandescent lights that brought out the coloring of the vines to perfection. The tables were nine in number, one in the centre and four at each end. The centre one was oval shaped, 28 feet long and 12 feet wide. In the centre of the table was a miniature lake that occupied all the space to within two feet of the edge, all around, making the water scene exactly 8x24 feet. Rippling fountains played, and the surface of the water was dotted with aquatics in their full glory, the most beautiful of all being the night blooming nymphaeas. Around the edge of the table, and also upon the smaller tables, pumpkins, egg plant, fruits, and similar large vegetables were cut in halves and used as vases, in which were placed cut flowers.

That this elaborate decoration was much appreciated by the hostess was attested by the fact that within twenty-four hours after the affair Mr. Small received a personal letter from Mrs. Oelrichs congratulating him upon its complete success and the artistic ability that had been displayed.

Philadelphia.

Godfrey Aschmann sailed Saturday, August 25, on the S.S. Lucania for Europe. Mr. Aschmann, while abroad, will attend personally to the packing of his consignments of azaleas, palms, araucarias, etc.

Local news is very scarce; everything is very quiet in this city—little business is being done in the florists' line.

All have got home now from the Convention, and every one speaks in the highest terms of the way the New York club managed everything. Systematic arrangement was to be seen in every affair that took place, and all members of the S. A. F. were certainly royally entertained.

The members of the Philadelphia Club feel blue at the way our bowling team went to pieces. After putting up a practice game of 2898, on difficult alleys at home, better things were expected. Third place would have been some consolation, but sixth place is too bad.

Many persons have spent a few days in this city since the Convention, but all have now gone home.

John Westcott has received the deeds of the property he made an offer for down at Waretown; so the sale is now assured. DAVID RUST.

Firms Who Are Building.

NEW BRITAIN, CONN.—Andrew Bromley has taken out a permit to build a greenhouse.

WEIR, MASS.—B. F. Connolly is making an addition to his greenhouse establishment.

TERRE HAUTE, IND.—John G. Heinl will build several greenhouses, also put up a new store.

SO. FRAMINGHAM, MASS.—Wm. Glidden has completed the erection of a greenhouse here.

BLOOMINGTON, ILL.—Henry Schweimann will add a greenhouse, 50 x 100 feet, to his establishment.

PHILADELPHIA.—J. Koehler & Son will build two new greenhouses, one 14x125 feet and one 22x125 feet.

RALEIGH, N. C.—O'Quinn & Co. are building one new house, 20 x 80 feet, and adding a workshop to their office.

DAYTON, O.—The Dayton Floral Co. will make some extensive improvements this Fall. Two new greenhouses will be added, and an extra 50-h. p. boiler installed.

WESTBORO, MASS.—Albert H. Brown is finishing two large houses (one for carnations and one for violets), using 16 x 16 glass, butted.

Pinks in the field are the finest this year he ever had. He has 14,000 in all.

KALAMAZOO, MICH.—Van Bochove Brothers have completed the construction of three new greenhouses at their plant on Third street.

One of these will be devoted to the culture of roses, one to violets and one to carnations.

CHANGES IN BUSINESS.

MILLBURY, MASS.—Wm. E. Horne & Sons have closed out their greenhouse business.

MERRIMACPORT, MASS.—Lowell Whittier has purchased the greenhouses of Charles Davis, and will make extensive improvements.

ALLEGHENY, PA.—The Hartman greenhouses have been secured by J. M. Reeves, of Warren, O., who intends to operate them again immediately.

OCONOMOWOC, WIS.—C. B. Tremain, for a long time past proprietor of the extensive farm and greenhouses near Monterey, has sold his farm of 120 acres to Albert Gaulke for $7,650. Mr. Tremain has reserved the greenhouses and contents, which will be removed to Hartford.

Personal.

SO. FRAMINGHAM, Mass. — W. R. Shelmire is now in the employ of Henry M. Eaton, of this place.

IRONTON, O.—C. H. Brown has resigned his position as superintendent of Miller's greenhouses and gone to Huntington, W. Va., where he will engage in business with John D. Elkin.

GENEVA, N. Y.—Wendell Paddock, who for seven years has been assistant in horticulture at the N. Y. State experimental station, has accepted the professorship of botany and horticulture in the State Agricultural College, located at Fort Collins, Col. He will start for Colorado early in September.

Business Difficulties.

GREAT BARRINGTON, Mass.—Jacob A. Raifstanger has filed a petition in bankruptcy. Total liabilities are $5,377.57, of which $3,500 is secured to the Great Barrington savings bank. Assets are $165.

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Different Methods of Orchid Culture.

(*Continued from Page 824*).

I may note here that a few, and some of the best, Belgium firms hold on to their old tried methods—so the former Linden establishment, now l'Horticole Coloniale. Your correspondent has never anywhere seen the same marvelous growth of orchids which here distinguishes each and every plant. Only those who have seen them can form a correct idea of the excellence of the orchids on this place. This firm grows all the orchids in the same composition of clean lycopodium fibre and sphagnum, cut up short and thoroughly mixed, without any attempt at artificial manuring.

Though it takes me away from the main subject, I would like to draw attention to the peculiar construction of all the orchid house benches in this place. The bottom of these benches is open, strips of wood about 3 inches wide are laid about an inch or so apart, and the hot water pipes are from 2 to 3 feet directly below the benches. Thus the heated air rising from the pipes in Winter (and in Summer, also, in the warm houses), strikes the pots and plants directly.

The late eminent orchid grower, Forstermann, of Long Island, drew my attention to the advantage of suspending cattleya pot plants under the roof as productive of better growth and flowers than if placed on the bench. A successful cultivator of Hamburg asserted and demonstrated that cypripediums in wooden, pot-like boxes, would grow much more rapidly and vigorous than those in earthenware. (I have noted this in an earlier number of the Florists' Exchange.) There is a coincidence in these observations which proves that orchids do not like the freshness of temperature at their roots, which is produced by the evaporation of moisture, when the pots are placed on solid bottom benches on gravel, ashes or similar moisture retaining material. This theory might well be traced home to the natural conditions in which orchids grow in their native habitats; their roots, being always near the surface of the soil and surrounded by material which is a bad conductor of heat, are during the day in nearly as high temperature as the upper part of the plants, while during the night they are kept warmer than the atmosphere which surrounds the foliage.

The idea of cultivating orchids in leafmould originated with Delanghe Vervaene, an old cultivator and successful florist, of Brussels. He is considered the boss propagator of his country. His theory is, "Every plant which we take into our greenhouses away from its natural environments must completely change its habit of life, and it is perfectly logical, therefore, to assume, that epiphytal orchids should be grown in pots, like other plants, because we cannot, even for a minute, deceive the plants as to their being exiles, not having the means to reproduce the conditions they lived in." Delanghe did pot his first Odontoglossum crispum in leafmould, and demonstrated that it was a good thing. Later, he followed up this experiment with oncidiums, cattleyas; and what started as trials turned graduâlly into one of the most profitable branches of his fine establishment. Next to Delanghe (as far as your correspondent's own observations allow him to judge), A. A. Peeters, also of Brussels, took this new method in hand. Peeters has one of the largest, and decidedly one of the most valuable collections of orchids in the world, and there is not a single plant among the hundreds of thousands that is not grown in a leafmould and sphagnum mixture. Let me mention only a couple of the most remarkable instances: His Oncidiums, Forbesi, varicosum, sarcodes, his Dendrobiums, phalaenopsis (a lot of about 2,000 plants) are a marvel of health and have produced an immense wealth of flowers. Some have doubted the hardiness of the flowers and their keeping qualities under this leafmould treatment; but experience has taught that the flowers are in every way as good as the most perfect blossoms produced by peat cultivation.

Sander has keenly watched this new departure, has not hesitated to adopt it in his Belgian establishment, and, more recently, to make extensive trials with it at St. Albans—much to the disgust of some of the old orchid hands.

French growers are well satisfied with this innovation. L. Duval, a very prominent French horticulturist of Versailles, is full of praise for leafmould orchids, and published an interesting treatise on it in the April and May numbers of Le Jardin.

With the Italian growers, though their experience is restricted to a small number of plants, it is of long standing.. They generally cultivate their orchids in chestnut soil (decomposed chestnut tree limbs), which in its mechanical character is much like leafmould. The great Phalaenopsis, of the Monte Carlo greenhouses, could not be excelled in size of leaves and profusion of flowers.

There seems to be nothing more easy to manage than an orchid, once well established in leafmould. For the commercial place it has the advantage of simplifying the work in more than one way. The potting is a simple manipulation. A few potsherds over the drainage hole, a little sphagnum to keep the soil from working through, and then the plant is potted like a geranium, moderately firm. The pot is filled to about one-half inch of the rim, in such a way that the surface of the soil is even with the stem or bottom of the bulb of the orchid. Some growers will give a top dressing of live sphagnum; others prefer to do without that. The cultural methods are further simplified as regards the watering; this need not be done so frequently, and no doubt herein lies a chief advantage of leafmould.

We know that orchids require a copious supply of moisture in their growing season. The old material being very porous, allows the water to drain through very quickly, thus frequent waterings are necessary. The leafmould will retain the moisture a much longer time. After the watering its state of saturation changes slowly and with a little attention may be kept very constant. In the old material there is a rapid change from wet to dry.

During the resting time, when a slight degree of moisture only is required, the old material is rather hard to manage. Without sphagnum it dries too fast and too entirely, and the sphagnum itself again will take up too large a quantity and retain it rather too long. Leafmould may be watered at intervals of two or three weeks, and will keep slightly moist all the time, as the last reserve of moisture which the bottom layer of sphagnum gets will, by capilary attraction, rise through it to the surface. The peculiar natural upward movement of the water against the growth and the direction of the roots, which is so important a factor in the healthy development of plants cannot so well take place in a heterogeneous compost of fern fibre and sphagnum; it will rather follow the veins of moss, and its evenness depends on the manner in which the sphagnum is distributed throughout the compost.

There is harly need to say that the watering of orchids in leafmould has to be done with one regard to the peculiarities mentioned, in a little different way than the more porous material demands, but any observant cultivator will quickly find out the right way.

In a recent number of The Florists' Exchange a few notes were given on the composition of the famous Belgian leafmould, to which in all deference to the author (not having the copy at hand I may be excused for not naming him) I cannot agree. According to these notes it must appear as if great importance were given to the proportion in which different kinds of leaves are present in the composition. A fact that your correspondent often had occasion to note was that the leafmould is purchased from peasants who own wooded land, and who gather it as they find it in the groves. The florists get it partially decomposed, and either pile it up for future use or take it to the potting shed at once. They pay great attention to the state of decomposition in which it is. Some use it while a portion is still entire; others prefer to allow it to become a spongy humus. For orchid potting some will add chopped sphagnum, and others use it pure as they get it, only taking out sticks, roots and fresh leaves.

Some mystery seems to hang over the Belgian leafmould, for at home all sorts of plants thrive to perfection in it, and especially the azaleas. Similar soil does not seem to produce the same good results in other countries. Even the Belgian leafmould exported into other countries appears to lose its character. No doubt this is not due to the soil, but to other attending circumstances, climatical or cultural. If there is anything particular about the Belgian soil, it is the presence of an excess of iron, which is communicated to the water also. But this cannot but in a small degree enter into the chemical composition of the leaves. The vegetation of the woods, where the leafmould is gathered, is rather below the average. The trees consist principally of oak, elder, birch and beech, the top soil not a small portion of which is always gathered with the leafmould, is full of very fine white sand.

The French growers gather their leaves generally fresh every Fall and pile them up for three years, turning them occasionally to keep them from burning. Their soil and natural vegetation, at least about Versailles, is entirely different from that mentioned in Bèlgium; still they succeed splendidly with orchids and nearly all other plants in their leafmould; no doubt this will prove to be the case where subsequent handling of the plants is intelligently studied.

A trial of this new method of growing orchids may well be recommended.

T. E.



View of Interior of Convention Hall, New York.

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Mention this paper

An Interesting Trio.

We present herewith a photograph of three gentlemen which, we are sure, will interest all readers of The Florists' Exchange. The parties represented in the picture are Mr. Samuel B. Parsons, Flushing, N. Y.; Mr. William R. Smith, Washington, D. C., and Mr. Edgar Sanders, Chicago, Ill.

The gentlemen named were present at the recent meeting of the Society of American Florists and Ornamental Horticulturists in New York City, and the "snap-shot" was the happy thought of ex-President James Dean, of that society, the photograph being taken by a grandson of Mr. Sanders, named Victor J. Smith, a lad of thirteen years, the work of developing being also performed by him.

We give the following details regarding the interesting careers of the three delegates:

Edgar Sanders.

Mr. Edgar Sanders was born in Sussex County, England, Oct. 10, 1827. His father was gardener on the Crawley estate in that county, a position which he held for upwards of fifty years. Edgar was the eldest of fourteen children, and after receiving his education went to work at the age of thirteen years, first in a nursery, then as gardener on a private estate, forging his way up from a boy to foreman of the establishment. Subsequently he held the position of head gardener in two private places near Egham, Surrey. In 1853 Mr. Sanders decided to come to America, landing in New York in April of that year. He immediately proceeded to Albany, where he found profitable work almost on the day of his arrival there. His first labor was performed in James Wilson's nursery in that city; subsequently he obtained a month's work laying out the grounds of Luther Tucker, who was the original publisher of Downing's Horticulturist, but at the time mentioned had started The Country Gentleman, for which paper Mr. Sanders began to write at once, and was on its staff for a period of six years. After completing the work for Mr. Tucker, Mr. Sanders became gardener for General John F. Rathbone, of Albany, a gentleman who afterwards became famous as an orchidophile. Here the subject of our sketch remained until the Spring of 1857, when he decided to try his fortune in the West, leaving then for Chicago, where he purchased land and built the first fifty-five foot greenhouse in the Spring of 1857. He raised a general stock of plants, and was noted as a shipper of same all over the country. He opened his first flower store permanently in Chicago about 1864. The fire of 1871 checked his career for some time, although he was fortunate in only having the store burned out. He remained away from the retail trade for three years, when he entered this branch again, and continued in it until about 1882, when he practically retired from the direct work of florist.

Mr. Sanders has been for many years a contributor to the horticultural papers. On arriving in Chicago he became attached to the staff of the Prairie Farmer, published in that city, and continued in that position until a few years ago. He also conducted a horticultural department of a daily in Chicago, and wrote for the Orange Judd Farmer, all at the same time. His first venture at writing for the class papers was commenced at the age of nineteen, when he began to contribute to the London Gardeners' Chronicle. He also was a correspondent, from England, to the American Gardeners' Chronicle, then published in New York.

As is well known, Mr. Sanders is the esteemed and valued Chicago correspondent of The Florists' Exchange. His services in that capacity are highly appreciated, not only by the publishers of The Florists' Exchange, but by the trade in the district which he so ably represents, with whom he is a prime favorite, entering into the spirit of every entertainment occurring there among the craft with the vivacity of a young'un.

Mr. Sanders has also during his busy life, taken an active part in public work. In the 70's he was for three and a half years a commissioner of highways of the town of Lakeview, Chicago; was supervisor and treasurer of the same town from 1879 to 1883, when it became part of the city of Chicago. He was also its first commissioner of public works.

Mr Sanders was married before leaving England. His wife died in 1876. He has five daughters, one of whom is married to E. R. Smith, Bayonne, N. J., of the firm of E. R. Smith & Son, Spring street market, New York, whose grandson, as before stated, took the accompanying photograph in the convention hall.

Mr. Sanders has always taken an active interest in all matters horticultural, and was elected the first temporary president of the American Association of Nurserymen in 1876, and again president in 1884. He has been president of the Chicago Florists' Club, in which he is a busy worker.

Samuel B. Parsons.

Mr. Samuel B. Parsons was born in Flushing, Long Island, in 1819, in an old ancestral home dating back nearly one hundred and seventy years. When the mulberry craze started in 1839 Mr. Parsons, then a lad of twenty years, became enthused. He set out three hundred thousand mulberry buds, called a convention and did much to spread the silk excitement in New York. In the following year he traveled extensively through the West India islands, and on his return comenced the nursery business on the ancestral farm. When twenty-six years of age Mr. Parsons took a voyage to Europe to study the horticulture of the old world. Next year he went to Florida, where he bought one hundred and sixty acres, near Blue Spring, for the purposes of orange growing. This venture, however, was frustrated by attacks of the scale. In 1850 Mr. Parsons was commissioned by the United States Government to investigate the agriculture and horticulture of Sicily and the Ionian Islands. The results of his investigations are given in the reports of the Department of Agriculture of that period.

Mr. Parsons was one of the first to suggest the establishment of roof gardens, and has lived to see his efforts along that line culminate in success, in New York city especially. One of his greatest endeavors has been to convince orchardists that their plantations may be as well made beautiful as not, and he has ever been a strong advocate of landscape gardening with fruit trees. As an introducer of rare trees and shrubs Mr. Parsons stands in the front rank among nurserymen. Possibly to him more than to anyone else in our country is horticulture indebted for a knowledge of the Stuartia, virgilia, Andromeda arborea, Japanese maples, rhododendrons and other beautiful subjects that, through his efforts, have become generally cultivated throughout the United States.

Mr. Parsons has also done good work in grape culture. When the demand for the Delaware was so great he grew and sold as many as two hundred thousand plants in one year. The houses used for the propagation of the grapes were finally turned into those for camellias and rhododendrons.

On the death of A. J. Downing, the famous editor of The Horticulturist, Mr. Parsons was offered the editorship of that periodical, but owing to pressure of other duties declined.

As is well known, Mr. Parsons is author of the book, "Parsons on the Rose," one of the most charmingly written treatises on the subject that has appeared from the pen of a practical man. During his long and useful career he has taken a deep interest in all matters pertaining to horticulture. He was one of the founders of the American Pomological Society, and his address delivered before the Pennsylvania Fruit Growers' Society, in 1878, is a very valuable contribution to horticultural literature, advocating as it does the planting of trees in our city streets and enumerating a long list of varieties suitable for that purpose. To those who recently started on foot the plan to establish an American Horticultural Society it may be news to state that so long ago as 1878 Mr. Parsons proposed the creation of just such an institueion. In closing the address referred to, he uttered these words: "I would like, in conclusion, to leave with you the thought that if any reverence is due the man who can place in stone, or upon canvas, the ideals of his brain; who, out of dead matter, can make a lifelike form, so an equal reverence is due the horticulturist, who, if he knows his privileges, can grasp the forces of Nature, crystallize them into living forms of beauty, and, grouping them in all the shapes suggested by a fertile brain and taste, produce scenes more charming than Phidias ever carved or Apelles painted.

"For all this we need a teacher and a school. Let us find them at once, and a few years hence, when we meet again, let us all say that our Alma Mater is the American Horticultural Society, and that horticultural art is the highest art all the world over."

Mr. Parsons is a kindly, genial gentleman, a polished writer and speaker, and one of the brightest stars in the horticultural firmament to-day.



EDGAR SANDERS, Age 73. SAMUEL B. PARSONS, Age 81. WILLIAM R. SMITH, Age 72.

William R. Smith.

Mr. William R. Smith, of Washington, D. C., was born in Scotland in 1828. He served an apprenticeship as gardener in Lord Elcho's gardens at Haddington, and graduated at Kew in 1853. After spending a few weeks in Edinburgh to study American conifera, he came to the United States in the old Inman liner "City of Manchester," going to Philadelphia, where he spent three weeks at Dundas' famous place on Chestnut street, at that time one of the finest private establishments in America. Thence Mr. Smith was called on to take charge of the (so called at that time) United States Botanical Gardens, which had been in existence (in name only) for nearly one hundred years. It was then an unreclaimed swamp of eleven acres. The filling in of this swamp by Mr. Smith has enabled him to turn it into a place of beauty.

Mr. Smith has been chairman of the parking commission of Washington for a number of years, and was instrumental in having that city planted with shade trees, transforming it into one of the most charming cities on the American continent. The botanical collection at Washington is rich in palms, agaves and insectivorous plants of all kinds, also aquatics. Trees and shrubs are well represented, and lately excellent collections of herbaceous and alpine plants have been added.

Mr. Smith was elected, at Toronto, vice-president of the Society of American Florists for 1891 and 1892. He was president of the society at the St. Louis convention in 1894, and his address on that occasion was considered one of the most scholarly efforts ever presented to the society. Mr. Smith has been a leading spirit in trying to obtain for the S. A. F. a national charter, and has high hopes of the materialization of his desires in the near future.

He is an ardent admirer of Robert Burns, the Scottish poet, and possesses a private collection of Burnsiana, second to none in the world. Only last year he went to Scotland to further augment his valuable collection.

Despite his many years, Mr. Smith is a regular attendant at the meetings of the Society of American Florists and Ornamental Horticulturists, no matter how distant the meeting place may be from his Washington home.

BRIEFS FOR BUSY FLORISTS.

GLOXINIAS.—Plants bearing distinct colors, the stock of which it is desired to increase, may be multiplied easily by taking leaf cuttings the same as is done in the case of rex begonias, using the whole leaf. The old corms may also be kept over another year and be just as good as ever; and, when they are through flowering, and the corms are beginning to ripen an occasional watering with weak liquid manure will add greatly to the substance of the corm and make it much stronger and more productive of flowers the next season Care must be taken, however, that the liquid is not strong nor given too often. Dry down the plants gradually and let every third watering be with liquid manure.

ARDISIA CRENULATA. — These have set their berries now in most cases, and the chief features are to keep them clean, and have them retain all their foliage. Frequent syringings are absolutely necessary to keep the foliage clean and if Fir Tree Oil, or some such insecticide be used occasionally, the task will be much easier. A little soot in the water used for the roots will also help to give the leaves that deep rich green color so desirable to show off their red berries to the best advantage.

CARNATIONS.—The extremely warm weather has been very trying upon the carnations that were lifted early and planted inside. If the shade on the glass has been allowed to remain until now, the plants will have been benefited thereby, as the sun's rays have been very powerful. Don't give the benches a soaking with water every time the foliage shows signs of wilting. Watering can be easily overdone at this time, and, if it is, but poor results will follow. Should the foliage begin to hang, and look like wilting, give a light syringing and moisten the paths and all under the benches so as to create a humid atmosphere, repeating the operation two or three times through the day, if necessary.

Auction Sale in Brooklyn, N. Y.

An auction sale of decorative foliage plants, including Boston ferns, rubbers, palms, pandanus, etc., will be held at the Keap street greenhouses (John Scott, Prop'r.), Brooklyn, N. Y., on Tuesday, September 4. W. J. Elliott, auctioneer, will conduct the sale.

The August and September supplement for the July issue of the Credit and Information List of the National Florists' Board of Trade has been issued. This supplement contains 883 changes on the names already in the list, while 125 new names have been added, making a total of 3,062.

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...Wholesale Prices of Cut Flowers...

	Names and Varieties	New York Aug. 31, 1900	Boston Aug. 23, 1900	Philadelphia Aug. 29, 1900	Baltimore Aug. 29, 1900	Buffalo Aug. 29, 1900
Roses	A. Beauty, fancy—special	10.00 to 25.00	12.50 to 20.00	25.00 to 30.00	.... to	20.00 to 30.00
	" extra	5.00 to 10.00	8.00 to 10.00	20.00 to 25.00	.... to	15.00 to 20.00
	" No. 1	3.00 to 5.00	4.00 to 6.00	15.00 to 20.00	.... to	5.00 to 10.00
	" Culls & ordinary	.50 to 1.00	1.00 to 4.00	5.00 to 10.00	.... to	.... to ....
	Bride, 'Maid, fancy—spc'l	3.00 to 4.00	.... to 6.00	5.00 to 7.00	.... to	.... to ....
	" extra	2.00 to 3.00	.... to 4.00	4.00 to 6.00	.... to	.... to ....
	" No. 1	1.00 to 2.00	2.00 to 3.00	3.00 to 5.00	3.00 to 4.00	4.00 to 6.00
	" No. 2	.25 to 1.00	1.00 to 2.00	1.00 to 2.00	2.00 to 2.50	2.00 to 4.00
	K. A. Victoria	3.00 to 8.00	3.00 to 8.00	2.00 to 6.00	2.00 to 5.00	2.00 to 6.00
	La France	1.00 to 3.00	.... to	2.00 to 6.00	2.00 to 4.00	.... to ....
	Meteor	1.00 to 4.00	2.00 to 3.00	2.00 to 5.00	2.00 to 4.00	2.00 to 6.00
	Papa Gontier	.... to	.... to	.... to	.... to	.... to ....
	Perle	1.00 to 2.00	1.00 to 4.00	2.00 to 4.00	2.00 to 3.00	2.00 to 3.00
	Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
	ORCHIDS—Cattleyas	.... to 25.00	.... to	.... to 50.00	.... to	.... to ....
	Cypripedlume	.... to	.... to	.... to	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	.50 to .75	.50 to	.... to	.60 to .75	.60 to .75
	Standard Varieties: White	.50 to .75	.... to .50	1.00 to 2.00	.... to	.75 to 1.00
	Standard Varieties: Pink	.50 to .75	.50 to 1.00	1.00 to 1.50	.... to	.75 to 1.00
	Standard Varieties: Red	.50 to .75	.50 to 1.00	1.00 to 1.50	.... to	.75 to 1.00
	Standard Varieties: Yel.&Var.	.50 to .75	.50 to 1.00	.... to	.... to	.... to ....
	*Fancy— (The highest grades of standard var) White	1.00 to 1.25	.... to 1.00	.... to	.... to	.... to ....
	*Fancy— (The highest grades of standard var) Pink	1.00 to 1.25	.... to 1.00	.... to	.... to	.... to ....
	*Fancy— (The highest grades of standard var) Red	1.00 to 1.25	.... to 1.00	.... to	.... to	.... to ....
	*Fancy— (The highest grades of standard var) Yel.&Var.	1.00 to 1.25	.... to 1.00	.... to	.... to	.... to ....
	Novelties	1.00 to 1.25	1.00 to 1.50	.... to	.... to	.... to ....
	Adiantum	.... to .50	.... to .50	.75 to 1.00	.... to 1.00	.75 to 1.25
	Asparagus	35.00 to 40.00	30.00 to 50.00	.... to	25.00 to 75.00	50.00 to 60.00
	Asters	.20 to 2.00	.20 to .50	.... to	.40 to 2.00	.40 to 1.00
	Callas	.... to	.... to	.... to	.... to	.... to ....
	Daisies	.... to	.... to	.... to	.... to	1.00 to 3.00
	Gladiolus	.75 to 1.50	3.00 to 6.00	.... to	.... to	.... to ....
	Iris	.... to	.... to	.... to	.... to	.... to ....
	Lilies	1.00 to 4.00	2.00 to 2.50	.... to	.... to 2.50	4.00 to 6.00
	Lily of the Valley	.50 to 1.00	1.50 to 4.00	.... to	.... to	3.00 to 4.00
	Mignonette—ordinary	.25 to 1.00	.50 to 1.00	.... to	.... to	.... to ....
	" fancy	.... to	.... to	.... to	.... to	.... to ....
	Smilax	6.00 to 10.00	.... to 10.00	15.00 to 20.00	12.00 to 15.00	10.00 to 15.00
	Sweet Peas	.10 to .25	.10 to .20	.... to	.... to	.... to ....
	Tuberoses	3.00 to 4.00	.... to	2.00 to 4.00	.... to 5.00	3.00 to 4.00
	.....	.....	.....	.....	.....	.....

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned

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In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work.
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...Wholesale Prices of Cut Flowers...

	Names and Varieties	Chicago Aug. 15, '00	St. Louis Aug. 27, '00	Cincinnati Aug. 27, '00	Milwaukee Aug. 13 '00	Pittsburg Aug. 28, '00	Toronto Aug. 21, '00
Roses	A. BEAUTY, fancy—special	18.00—20.00	....—	....—	15.00—20.00	20.00—25.00	....— ....
	" extra	12.00—15.00	....—	....—	10.00—12.50	10.00—15.00	....—20.00
	" No. 1	8.00—10.00	4.00— 6.00	....—	6.00— 8.00	5.00— 8.00	....—15.00
	" Culls & ordinary	2.00— 3.00	....—	8.00— 5.00	2.00— 4.00	2.00— 4.00	....— 5.00
	Bride, Maid, fancy-spec'l	....—	....—	2.00— 4.00	4.00— 5.00	....— 6.00	....— ....
	" extra	3.00— 5.00	....—	....— 4.00	3.00— 4.00	....— 4.00	1.00— 6.00
	" No. 1	2.00— 4.00	2.00— 3.00	....— 3.00	....— 2.00	....—	1.00— 6.00
	" No. 2	....— 1.00	....— 1.00	....— 2.00	....— 1.00	....— 2.00	1.00— 4.00
	K. A. Victoria	2.00— 5.00	3.00— 5.00	....—	4.00— 6.00	4.00— 6.00	....— ....
	La France	....—	....—	....—	....—	....—	....— ....
	Meteor	2.00— 4.00	2.00— 3.00	2.00— 4.00	4.00— 6.00	2.00— 4.00	1.00— 6.00
	Papa Gontier	....—	....—	....—	....—	....—	....— ....
	Perle	2.00— 3.00	2.00— 3.00	2.00— 3.00	3.00— 4.00	....—	1.00— 4.00
	Souv. de Wootton	....—	....—	....—	....—	....—	1.00— 6.00
	ORCHIDS—Cattleyas	....—	....—	....—	....—	....—	....— ....
	Cypripediums	....—	....—	....—	....—	....—	....— ....
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	Inf'r grades, all colors	.40— .50	.50— .75	....— .50	....— 1.00	.50— 1.00	.30— .75
	STANDARD VARIETIES White	.75— 1.00	....— 1.00	.75— 1.00	....— 1.00	....— 1.00	1.00— 2.00
	STANDARD VARIETIES Pink	.75— 1.50	....— 1.00	....— .75	....— 1.00	.50— 1.00	1.00— 2.00
	STANDARD VARIETIES Red	.75— 1.50	....— 1.00	.25— .50	....— 1.00	.50— 1.00	1.00— 2.00
	STANDARD VARIETIES Yel. & Var.	.75— 1.00	....— 1.00	....—	....— 1.00	....—	1.00— 2.00
	*FANCY— (The highest grades of standard var) White	....—	....—	....—	1.50— 2.00	1.00— 1.50	....— ....
	*FANCY— (The highest grades of standard var) Pink	....—	....—	....—	1.50— 2.00	1.00— 1.50	....— ....
	*FANCY— (The highest grades of standard var) Red	....—	....—	....—	1.50— 2.00	1.00— 1.50	....— ....
	*FANCY— (The highest grades of standard var) Yel. & Var.	....—	....—	....—	1.50— 2.00	1.00— 1.50	....— ....
	NOVELTIES	....—	....—	....—	....—	....—	....— ....
	ADIANTUM	.40— .75	....—	....— 1.00	.75— 1.00	....— .75	.40— .60
	ASPARAGUS	40.00—50.00	....—	....—50.00	. .— 2.00	35.00—50.00	....—50.00
	ASTERS	.15— 1.50	....—	.50— 1.00	.50— 1.00	.50— 2.00	.40— 1.50
	CALLAS	....—	....—	....—	....—	....—	....— ....
	DAISIES	.10— .15	....—	.50— .75	....— .50	....—	....— ....
	GLADIOLUS	1.00— 3.00	....—	....—	2.00— 3.00	1.00— 3.00	1.50— 4.00
	IRIS	....—	....—	....—	....—	....—	....— ....
	LILIES	4.00— 8.00	....—	....—	....— 5.00	2.00— 5.00	5.00— 7.00
	LILY OF THE VALLEY	3.00— 4.00	....—	....— 4.00	....—	2.00— 4.00	....— ....
	MIGNONETTE—ordinary	....—	....—	....—	....—	....—	....— .50
	" fancy	....—	....—	....—	....—	....—	....— ....
	SMILAX	8.00—10.00	....—12.50	....—15.00	12.50—15.00	....—15.00	....— ....
	SWEET PEAS	.10— .20	....—	....—	.10— .15	....—	.15— .40
	TUBEROSES	4.00— 6.00	3.00— 4.00	2.00— 3.00	....—	....—	....— ....

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454 AND 456 MAIN STREET,
Telephone, 343-5. BRIDGEPORT, CONN.
CONSIGNMENTS SOLICITED.
Special attention given to out-of-town orders in the East. Try us.

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For latest prices green and bronze Galax Leaves and Leucothoe, address the introducer,
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Wild Smilax Is Now Arriving. Write for Prices.
Galax Leaves Brilliant Bronze or Green, $1.50 per 1000.
FANCY FERN, DAGGER FERN, Etc., at Market Prices.
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The Boston Co-Operative Flower Growers' Association.
Boston, Sept. 1, 1900.
The Annual Sale of Stalls in the Boston Flower Market will take place at the Market, Park Street, Saturday, Sept. 15, 1900, at 9 a.m.
GEORGE CARTWRIGHT, Treas.
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SUCCESSORS TO
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Wholesale Growers of Cut Flowers
OFFICE AND SALESROOM,
51 WABASH AVE., CHICAGO.
Headquarters for AMERICAN BEAUTIES.
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Galax Leaves
CHAS. H. RICKSECKER, Linville, N. C.
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GALAX LEAVES!
J. L. BANNER & CO., Montezuma, N. C.
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LAUREL FESTOONING
4c. to 6c. a yd. Best goods always.


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I PAY EXPRESS OR POSTAGE ON MY
Bronze Galax Leaves
and deliver anywhere in U. S. for
One Dollar Fifty per 1000
Write for particulars
LILLIAN ALLEN DEXTER,
Washington, D. C.
Mention the Florists' Exchange when writing.

PREPARED TROPICAL PALMS AND CYCAS LEAVES

Send for Catalogue.
OSTERTAG BROS., Florists,
Washington and Jefferson Aves., ST. LOUIS, MO.

BOSTON FERNS
in 7 in. pots, from 25c. to 50c.; 8 and 10 in. pots, from $1.00 to $3.00 each.
Ficus Elastica, from $4.00 to $9.00 per doz.
Field-grown Carnations:
Cook, Joost, Flora Hill, Scott, L. McGowan,
Cheap to quick cash buyer.
P. WAGNER, cor. Troy Ave., near Rutland Road,
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CRYPTOMERIA JAPONICA
A plant that has all the grace and beauty of Araucaria Excelsa. Everybody wants it. Strong plants, 2½ inch pots, $5.00 per 100.
Grevillea Robusta. Very fine for center plants of fern dishes. 3½ inch pots, $5.00 per 100
Cupressus Lawsoniana. Fine evergreens, 2½ inch pots, $4.00 per 100.
Shellroad Greenhouses, Grange P. O., Balto, Md.
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Nephrolepis Exaltata Bostoniensis
The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.
Mine is the Genuine Stock.
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FINE PALMS.
Kentia Belmoreana and Forsteriana—
4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, from $2.50 upwards.
Phœnix reclinata, 4 in. pots, $20 per 100; 5 in. pots, $40 per 100; 8 in. pots, 35c. each; 7 in. pots, $1.25 each; specimen plants, $2.00 upwards.
Areca Lutescens, 3 in., $15 per 100; 4 in., $25 per 100.
Latania Borbonica, 4 in., $20 per 100.
JOHN BADER, Troy Hill, Allegheny, Pa.
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5000 PLANTS FOR SALE.
ASPARAGUS PLUMOSUS NANUS First-class, extra fine stock, for use at once. 2½ in., strong plants, per 100, $3.50 and $4.00. 3 in., strong plants, per 100, $5.00 and $6.00.
1000 SMILAX 2½ inch, per 100, $2.00; per 1000; $18.00.
1000 DRACAENA INDIVISA 2½ in., per 100, $3.00; per 1000, $25.00.
500 GREVILLEA ROBUSTA 3 in., per 100, $5.00, per 1000, $20.00.
Trial order solicited. Shipments made at once.
TERMS, CASH.
W. C. BRYFOGLE, Bloomsburg, Pa.
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ASSORTED FERNS
$10.00 per 1000.
BOSTON FERNS $5.00 per 100; $40.00 per 1000. Larger plants, $10.00, $20.00 and $50.00 per 100. Extra large plants, from $1.50 to $4.00 each.
ARECA LUTESCENS Ready for pots, $2.00 per 100; $18.00 per 1000.
KENTIA BELMOREANA 2 inch pots, $6.00 per 100.
PANDANUS VEITCHII Fine, large plants, in 8 inch pots, $2.00 each.
PANDANUS UTILUS In 8 inch pots, $1.50 each.
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TELEPHONE, No. 1207 WILLIAMSBURGH.
Mention this paper.

JOSEPH HEACOCK,
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PALMS Free From INSECTS and DISEASE of Any Kind.

They cannot fail to **Give Satisfaction.** Should be seen to be appreciated. **A Trial Order is Solicited.**

ARECA LUTESCENS.

3 plants,	6 inch pot,	24 inch	. . . . .	$12.00 per dozen;	$100.00 per 100
3 "	8 "	30 "	. . . . .	30.00 "	
3 "	8 "	36 "	. . . . .	36.00 "	

KENTIA BELMOREANA.

4 inch pot,	5 to 6 leaves,	15 inch high	. . .	$4.50 per dozen;	$35.00 per 100
6 " "	6 "	24 "	. . .	15.00 "	125.00 "
6 " "	6 to 7 "	26 "	. . .	18.00 "	150.00 "
8 " "	6 to 7 . "	30 to 32 in. high	. . . . .		$3.00 each.
8 " "	7 to 8 "	36 inch	. . . . .		4.00 "

KENTIA FORSTERIANA.

4 inch pot,	4 to 5 leaves,	15 inch high	. . .	$4.50 per dozen;	$35.00 per 100
8 " "	6 "	36 to 40 in. high	. .	$3.00 each;	$36.00 per dozen.
8 " "	6 "	48 to 50 in. "	. .	4.00 "	48.00 "

All Measurements Are from Top of Pot.
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HARDY FERNS
FOR CULTIVATION.
40 varieties. Try them in your planting. They will thrive and increase in size and beauty where other plants fail. Catalogue of these and other herbaceous perennials.
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Asparagus Sprengeri.
Very fine lot in 3 in @ $7.00 per 100.
Smilax strong, 2½ in @ $2.00 per 100.
PHILLIPS & DODGE,
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WRITE TO US FOR PRICES BEFORE BUYING ELSEWHERE.
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BOSTON FERNS
Now ready. $5.00 per 100.
H. L. CAMERON, No Cambridge, Mass.
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Asparagus Plumosus Nanus
Transplanted seedling plants, for July and August delivery, ready for 2½ inch pots, at $3.00 per 100; $25.00 per 1000; 500 at thousand rates. Express prepaid.
Cash with Order, Please.
R. ASMUS, - New Durham, N. J.
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FERNS, ETC.
CHEAP FOR CASH.

	Inch pots	Price each	Per 10	Per 100
Adiantum Capillus Veneris,	2½	$0.04	$0.30	$2.50
" " "	3	.05	.45	4.00
A C.V. Imbricatum or Hardy Farleyense.....	3	.15	1.50	
" "	4	.30	3 00	
Selaginella Emmeliana....	2	.04	.30	2.50
" "	3	.06	.50	4.50
" "	4	.10	.90	8.00

For other varieties and sizes see wholesale list, from which 10 per cent. discount will be given on all orders accompanied with cash.
W. J. HESSER, Plattsmouth, Neb.
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FERN BALLS
Many thousand sold last season. Now is the time to place importation orders. Write for special prices for December delivery.
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CHOICE FERNS IN FLATS.
100,000 at One Cent.
JOHN H. LEY, Good Hope, Washington, D. C.
Can supply very good, hardy plants, which, potted now, will fill a 2½ in. pot in a few weeks, best market sorts. Have sent by mail and express to every State and Canada, and have given universal satisfaction.
Sample 100 mailed, $1.25
1000, in 10 Sorts, by Express, $10.00.
Pteris Cretica Alba, P. Adiantoides, P. Longifolia, P. Hastata, P. Suicate, P. Tremula, Adiantum Grandiceps, Nephrodium Cristatum, Lygodium, Lomaria Gibba, Selaginellas, &c., &c.,
POST ORDERS, GOOD HOPE, D. C.
Mention the Florists' Exchange when writing.

CHEAP TO CLOSE OUT.
BOSTON FERNS,
At $3.00 per 100; $25.00 per 1000.
Asparagus Plumosus Nanus,
$3.50 per 100; $30 00 per 1000.
Asparagus Sprengeri,
$2.50 per 100; $20.00 per 1000.
The above are nice plants, from 2½ inch pots.
Otaheite Oranges,
From 3 in. pots, fine plants, at $4.50 per 100; $40.00 per 1000.
The Good & Reese Co.,
SPRINGFIELD, OHIO.
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Asparagus Plumosus Nanus, EXTRA STRONG, from 3 in. pots; about ready for a 4-in. shift.
$1.00 per doz.; $8.00 per 100; $70.00 per 1000.
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BOSTON FERNS Largest and finest stock in the country. 2 in. pots, $5.00 per 100; $40.00 per 1000. Fine plants from bench, $2.50 per doz.; $20 per 100; all sizes of pot plants from 6 in. up. Prices on application.
ASPARAGUS PLUMOSUS NANUS Fine strings, 10 to 12 ft. long, 50c. each, in any quantity. Extra strong plants in 2 in. pots, $5.00 per 100; $40 00 per 1000. Asparagus Sprengeri, 2 in. pots, $4.00 per 100.
FRESH FERN SPORES Mixed varieties. Package sufficient for 3000 to 5000 ferns, $1.00, postpaid.
EMERSON C. McFADDEN, United States Exotic Nurseries,
Telephone, 10 B Short Hills. SHORT HILLS, N. J.
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Horticultural Exhibition

TO BE HELD AT

Ridgewood Park, L. I.,

Sept. 2d, 3d, 4th, 5th and 9th, 1900,

UNDER THE AUSPICES OF THE

Schwaebischer Saengerbund,

BROOKLYN, N. Y.

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RED STANDARD **POTS**

CORRECT SIZE. SUPERIOR QUALITY.
LOWEST PRICES
Write for List.

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Supplies

For Florist, Store and Greenhouse; Wire Frames, Cape Flowers, Cycas Leaves and Wreaths, Metal Designs, Wheat Sheaves, Etc. Also Seeds and Bulbs. Send for latest lists to

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YOU SHOULD KNOW WHAT NOTED GROWERS SAY

Imperial Liquid Plant Food DOES.

Inodorous, not expensive. Full information, booklets, prices on request. Leading Eastern Dealers handle it. Eastern Chemical Co., Mfrs., 620 Atlantic Avenue, Boston, Mass.

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HEADQUARTERS FOR

COCOA FIBRE, SHEEP MANURE, BONE, all grades, IMPORTED SOOT, CLAY'S FERTILIZER, SPHAGNUM and GREEN MOSS, RUSTIC WORK, all kinds.

DUNNE & CO. 54 West 30th St. New York.

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A New Catalogue entitled

Flowers AND Floral Designs

Twelve pages and handsome cover. Shows forty-one arrangements, with prices. For agents' use or promoting out-of-town trade.

Sample, 40c. in stamps. Circular Free.

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If NOT, DO so. Full standard size, up-to-date. Small crates easy to handle. Send for our New Price List.

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It's Dead Easy to String your Smilax, when you use the Meyer Green Silkaline. Samples and prices free

FOR SALE BY LEADING JOBBERS.
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Telephone, 1747 A, Madison Square.
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GEORGE RIPPERGER,
SHEEP MANURE

I have now on hand a large quantity of A1 SHEEP MANURE.
Send for PRICE LIST and SAMPLE.
Best Fertilizer for Top Dressing,
Office, 207 Academy St., Factory, Seventh St., LONG ISLAND CITY.

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..ARTISTS..
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Horticultural Illustrating in all known processes. Catalogue Cover Designs, etc.

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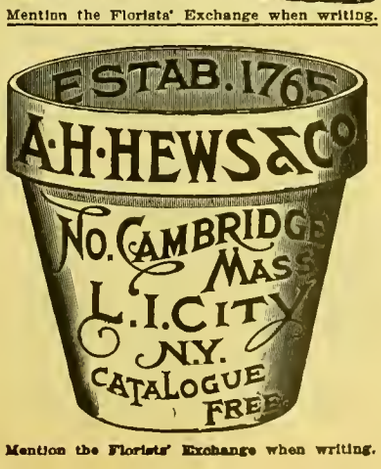

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C. B. LODER, Sec'y, 271 Broadway, New York.

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ED. JANSEN,
Importer and Manufacturer of
NOVELTIES IN BASKETS AND FLORISTS' SUPPLIES.
Extensive Show Rooms.
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COMBINING the qualities of an absolute insect exterminator with those of a vigorous fertilizer. Recommended and in use by the foremost florists and nurserymen in the land. For Sale at the Seed Stores.

ROSE MFG. CO., Niagara Falls, New York

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SHEEP MANURE
Cleaned and Prepared Expressly for Florists' Use.

You will find it the genuine article. For reference as to its being first-class, I refer you to Henry F. Michell, 1018 Market Street, Philadelphia, Pa. Trial bags of 150 lbs., $2.50; per ton, $25.00. One quarter ton at ton rate. CASH WITH ORDER.

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You can regulate it. Send for list of testimonials. Pat. allowed Feb. 25, 1900. No. 1, $5.00; No. 2, $10; No. 3, $20.

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No. Tonawanda, N. Y.

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Nurserymen, Seedsmen and Florists
Wishing to do business with Europe should send for the

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This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage, 75 cents. Address

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FRUIT AND FLOWER PLATES
Seed Packets and Supplies of all kinds for NURSERYMEN, FLORISTS and SEEDSMEN
SEND FOR PRICE LIST.
Stock Cuts, 10c. per square inch. Engraving by all processes. Printing and lithographing.
Illustrated Catalogues a Specialty.
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STANDARD FLOWER POTS
Packed in small crates, easy to handle.

	Price per crate			Price per crate
1500 2 in. pots in crate,	$4 88	120 7 in. pots in crate,		$4 20
1500 2½ " "	5.25	60 8 " "		3.60
1500 2½ " "	6.00	48 9 " "		3.60
1000 3 " "	5 00	48 10 " "		4.80
800 3½ " "	5 80	24 11 " "		3 60
500 4 " "	4.50	24 12 " "		4.80
320 5 " "	4.51	12 14 " "		4 80
144 6 " "	316	6 18 " "		4 50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Address Illifinger Bros. Pottery, Fort Edward, N. Y.

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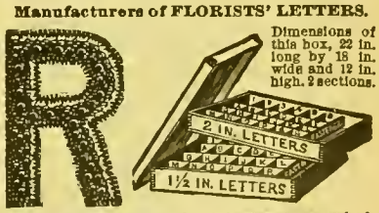
BOSTON FLORIST LETTER CO.
Manufacturers of FLORISTS' LETTERS.



Dimensions of this box, 22 in. long by 15 in. wide and 12 in. high. 2 sections.

This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1½ or 2 inch size, per 100, $2.00.
Script Letters, $4.00.
Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. & Manager,
FACTORY. 13 Green St. BOSTON, MASS. OFFICE. 24 Hawley St.

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ACME POT

A self-watering pot or pan, devised specially for spores, fine seeds and cuttings. No surface watering; seeds cannot be washed away; surface earth does not harden. The pot, as will be seen by the cuts, is original in its construction and application, and is the result of many years of practical experience in the art of propagating and raising seeds and spores.

Description of pot, showing method of supplying water.



PATENTED.

A, indicates the pot; B, a reservoir for water; E, section of pot showing earth line and perforations or water passages F F F below. G, full size section, showing groove, with cord siphon. Several pots may be arranged around one reservoir, each connected therewith by a cord, through or over which the water is conducted by a pillary attraction.

Price, boxed, f. o. b., Pot and Siphon Cord complete, 50 cts. each; $5.00 per dozen.

Indorsed by leading florists and the trade generally. Send for full descriptive circular.

HENRY BIRD, Inventer and Patentee,
144 Belleville Ave., NEWARK, N. J.

Mention the Florists' Exchange when writing

Hot-Bed

Sash

Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.

Quick Shipments.

We have in stock and can ship immediately:

3	ft. x 6 ft.,	3 rows	10 in.	glass.
3 ft. 3 in. x 6 ft.,	4	"	8 in.	"
4	ft. x 6 ft.,	5	" 8 in.	"

Not glazed, 1¾ in. thick.

Delivered Prices

Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.

LOCKLAND LUMBER CO.,
Lockland, Ohio.

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CABLE AND PIPE

Ventilating System.

SOIL-MACHINES

In Large or Small Sizes.

SEND FOR CATALOGUE.

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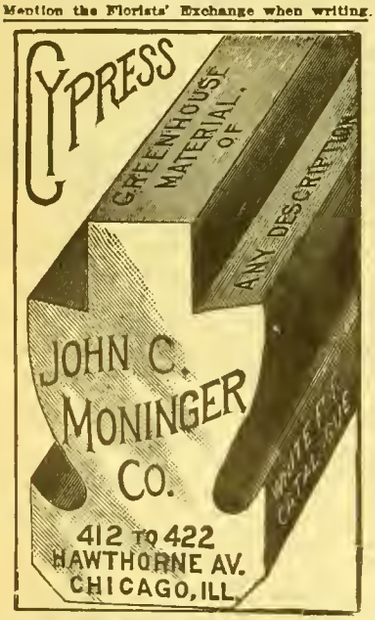

Mention the Florists' Exchange when writing.



Florists on Walnut Hills, Cinn.

Editor Florists' Exchange.

In your issue of August, 25 to hand, your Cincinnati correspondent says "George & Allan are the only florists on Walnut Hills." Allow me to say that is not so. I am here, and have been for 17 years, and there are quite a number of others scattered around on the hill, as the Florist Directory will show. I, therefore, wish you to correct the statement of your correspondent. The firm named is very centrally located, but it is by no means the only one.

ALFRED FORDER.

I wish to correct a statement made in my notes of August 25, page 825, in which I say that George & Allan have the only greenhouses on Walnut Hills. What I wished to convey was that the greenhouses of this firm were more centrally located than any on Walnut Hills. To let the paragraph in question stand without an explanation would not be just to the other four or five places situated on Walnut Hills.

E. G. GILLETT.

Haverstraw, N. Y.

Henry Backer was killed at Congers on Monday morning, August 20, as he was walking along the railroad track. Mr. Backer was engaged in the florist business, operating the houses formerly conducted by Schnelder & Noe, near the Conger stock farm, and was walking on the southbound track. He was eighty years of age and, being deaf, did not hear the train approaching.

Artillery Against Hailstorms.

Among the agriculturists of North Italy there is no scourge more dreaded than hailstorms, for where they come everything is devastated. In the case of the mulberry trees, so important to the silk industry of the country, not only is the leaf destroyed, but the damage done to the plant is often apparent even in the following season. Last year a number of experiments were made in different districts, but chiefly in Lombardy and Piedmont, with a view of breaking threatening storm clouds before the hail had time to form, by firing toward them blank cartridges from specially constructed cannon. The results are described as being most encouraging. There were many cases in which it is asserted the clouds were broken and discharged in the innocuous form of sleet that would otherwise certainly have fallen in the shape of hail. It is admitted, however, that the results of partial experiments in one season cannot be taken as conclusive, and, therefore, experiments are this year to be made on a much larger scale. —Pall Mall Gazette.

(Whenever a hailstorm, to a dead certainty, is coming, we hope somebody will try the experiment. But how to know when to go gunning for hail is the question.)

MASTICA

FOR GLAZING GREENHOUSES.

Proven superior to putty. Easier to apply and stays on. Not effected by extremes of weather. Endorsed by prominent florists. Send for descriptive circular of Mastica and Maelen Glazing Machines.

F. O. PIERCE CO., Sole Manufacturers, 170 Fulton St., New York.

Mention the Florists' Exchange when writing.



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WE MAKE A SPECIALTY OF

Greenhouse Heating

WRITE FOR OUR NEW CATALOGUE

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Steam and Hot Water **HEATING**

Perfectly installed by

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CATALOGUES 4 CENTS.

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A sure preventive of glass slipping; effective on large or small glass; zinc, will not rust, last forever; easy to drive and easy to extract. Two sizes, ⅝ and ¼ in. long. One pound packages 40 cts. 1440 points ⅝ in. size, 1040 points ¾ in. size, in a pound. By mail, 16 cts. per lb. extra.

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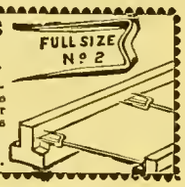

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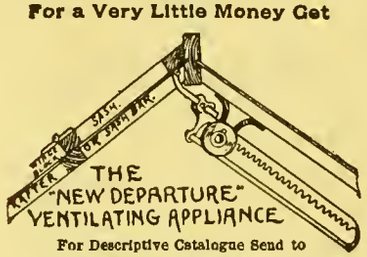

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	Per 100	Per 10		Per 100	Per 10
6- 8 in....	$3.00	.40	24-30 "	$7.00	.85
8-14 "	4.00	.55	30-36 "	11.00	1.20
14-18 "	5.00	.60	36-42 "	18.00	1.75
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No. 7200 PALMS.

	Lvs.	Hgt.	Doz.	
7204.....	3.....	24in.	$2.40	Metal Wrenths,
7204a.....	3.....	36 "	3.80	
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7201.....	6.....	40 "	7.20	
7201a....	10.....	40 "	ea 1.80	25 cents up.

PALM TREES.

	Lvs.	Hgt.	Ea.	Natural	Prepared
7206....	9...	7 ft.	$3.50	Palm Leaves,	100
7208...	16...	9 "	4.50	Medium size.....	$6.00
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Straight or Looped and Pointed

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Valley Gutter and Drip Conductor, 54c. per ft.
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Standard Ventilating Machine
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Is specially constructed so that it will maintain a steady fire all night without attention, which is a very important item to be considered in selecting a greenhouse boiler.
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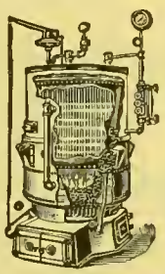

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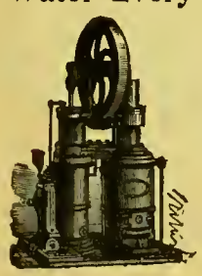



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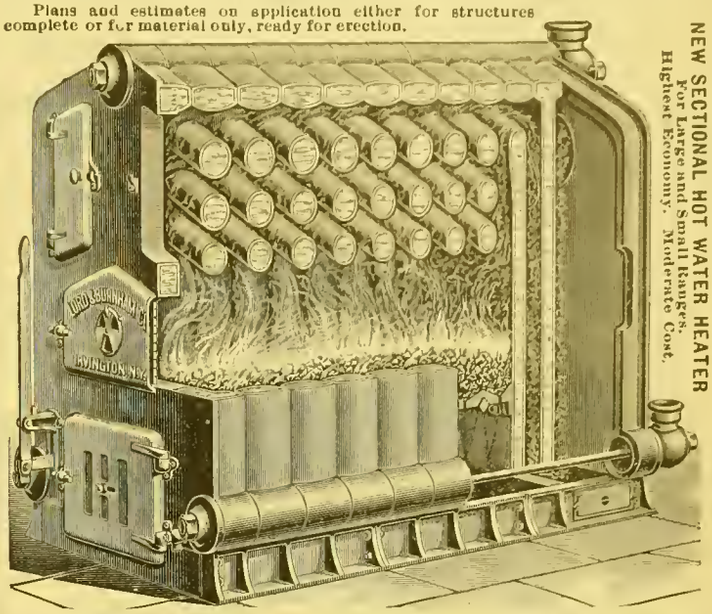

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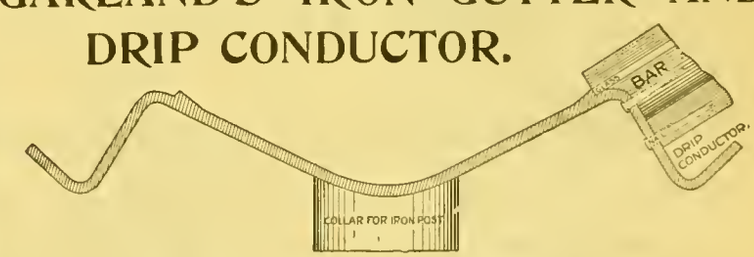

NO SNOW OR ICE. Waterway Capacity for 6,000 feet of Glass.
Length of section, 5 feet; weight, 65 lbs.; carrying capacity, 4070 lbs.
This Gutter will save money in cost of construction as well as in rebuilding. Parties contemplating using iron gutters will do well to note the wording of **Patent No. 616,781,** issued to GEO. M. GARLAND, as published in previous issues.
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TOBACCO INSECTICIDES.

Stems, fresh picked, bale or case of 300 lbs., $1 50.
Dust, fresh ground.....100 lbs., $2 25; 200 lbs., 3.50.
Extract.....gallon, $125; 5 gallons, 4.25.
Nikoteen.....$1.50 per pint; 5 pints, 7.00.
Soap.....30c. per lb.; 25 lbs., 5.00.
Full line of Insecticides and Appliances.
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Dracæna Sanderiana, 3 in. pots, $2.50 per doz.
Chinese Primulas, separate colors, strong plants, 2½ in. pots, $4 00 per 100.
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Price on Application.
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The best of all Burbank Plums. We have a large and fine stock of trees, one or two year's old on Plum and Peach stock. Address
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Greenhouse Heating and Ventilating
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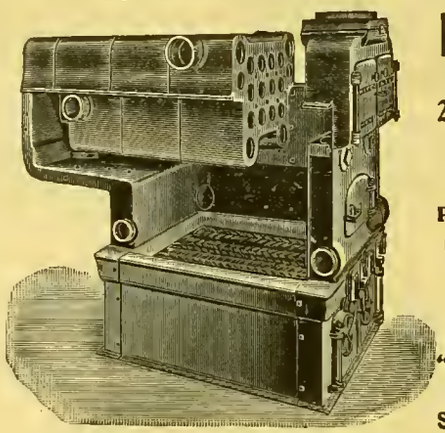

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THE FURMAN BOILER
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AWARDED THE CERTIFICATE OF MERIT
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Superiority for
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Nursery Stock.

In order to settle an estate and close up business, a Public Sale of the entire Nursery Stock of

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Will be held on the grounds at
STOKE POGIS, Near Villa Nova, Montgomery Co., Pa.,
Wednesday, Oct. 3d, 1900.

The stock includes Hardy Evergreens and Ornamental Trees, Herbaceous Plants, Hedge Plants and Shrubbery, Foreign Grape Vines, Small Fruits, California Privet for Hedging, and a general line of select stock. All in first-class condition, clean, well-grown and healthy. Inspection before the sale freely invited.

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MAKE ROOM SALE!

WM. ELLIOTT & SONS, Auctioneers,
WILL OFFER ON THE PREMISES OF
JOHN SCOTT, Keap St. Greenhouses, Hooper Street, BROOKLYN,

A Large Assortment of DECORATIVE FOLIAGE PLANTS, Consisting of
BOSTON FERNS, BRANCHING RUBBERS, SAGO, KENTIA and ARECA PALMS.
Also Nicely Colored PANDANUS VEITCHII. In Lots to Suit all Purchasers, on

TUESDAY, SEPTEMBER 4, 1900, at 11 o'clock.

How to reach the sale from Grand Central Depot: Madison Ave. car, transfer East to 23d St., Broadway Ferry, Franklin Ave. car to Hooper St. From the Bridge take Dekalb Ave. car, changing at Franklin for Franklin Ave. car.

WM. J. ELLIOTT, Auctioneer.
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THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL.

Vol. XII. No. 36. NEW YORK, SEPTEMBER 8, 1900. One Dollar Per Year.

LILIUM CANDIDUM

Per case of 400 bulbs, $16.00.

Large-Flowered Paper White Narcissus

PAPER WHITE GRANDIFLORA.

Case lots, about 1300 bulbs to the case, $7.50 per 1000.

WHITE ROMAN HYACINTHS.

Extra quality bulbs, 12-15 ctm. in circumference, full case lots, about 2000 bulbs to the case, $16.00 per 1000.

Selected quality bulbs, 13-15 ctm. in circumference, full case lots, about 1800 bulbs to the case, $19 00 per 1000.

CALLAS.

Extra sized bulbs, 1 to 1½ in. in diameter, $5.00 per 100. Selected bulbs, 1½ to 2 in. in diameter, $7.00 per 100.

LILIUM HARRISII.

We have an extra flee lot of 7-9 iech Harrisii—this size is generally scarce.

Selected stock, fine quality, bulbs 5-7 in. in circumference, per case of 400 bulbs, $18.00; bulbs 7-9 in. in circumference, per case of 200 bulbs, $18.00; bulbs 9-11 in. in circumference, per case of 100 bulbs, $20.00.

LILIUM LONGIFLORUM BERMUDA GROWN.

Selected stock, fine, bulbs 5-7 in. in circumference, per case of 350 bulbs, $15.00; bulbs 9-11 in. in circumference, per case of 100 bulbs, $20.00.

FREESIAS.

Extra quality bulbs, ¾ to ½ in. in diameter, $4.00 per 1000. Selected bulbs, ½ to ¾ in. in diameter, $6.00 per 1000.

ALLIUM NEAPOLITANUM.

$1.00 per 1000.

BERMUDA BUTTERCUP OXALIS.

$5.00 per 1000.

ORNITHOGALUM ARABICUM,

STAR OF BETHLEHEM.

Extra size bulbs, per case of 1000 bulbs, $12.50.

☞ Five per cent. discount for cash, with order, from above prices.

For prices of smaller quantities, see our Wholesale Price List, which will be sent free on application;

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

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Asparagus Plumosus Nanus

CUT STRINGS, 10 FEET LONG 50 CTS.

W. H. ELLIOTT, BRIGHTON, MASS.

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Selected Stock of the following Bulbs is now ready for delivery;

WHITE ROMAN HYACINTH BULBS

Measuring 11 to 15 ctm., equal to 4½ to 6 inches around, $15.00 per 1000; Box of 2500 for $35.00; 4 boxes (10,000 bulbs), for $135.00.

White Roman Hyacinths 1 to 12 ctm., $12.00 per 1000; $1.30 per 100. 12 to 15 ctm., $ 0.00 per 1000; $2.50 per 100. 13 to 15

White Italian Pink Skin Large bulbs, later than French Romans, but much larger flower, $15.00 per 1000; $1.75 per 100.

Light Rose, Dark Rose or Blue Romans, $14.00 per 1000; $1.50 per 100.

Paper White Narcissus GRANDIFLORA MULTIFLORA strong grower, single stem bearing large truss many big flowers.

Good thing, and a great improvement. Per 100, $1.00; per 1000, $8.50.

P. W. Grandiflora Large bulbs (1500 in case), 80 cts. per 100; $7.50 per 1000.

Trumpet Major Narcissus French grown, earlier than Dutch, flowers before Christmas, sells well, $1.00 per 100; $8.00 per 1000.

Freesias Very large bulbs, 1½ to 2½ inches around, per 100, 75 cts.; per 1000, $6.50; 5000 for $30.00

Callas Fine ripe bulbs, all with centre shoots:

4½ to 5 inches around.....$5.00 per 100; $45.00 per 1000.
5¼ to 6 inches around..... 6.50 " 55.00 "

Japan Longiflorum Lilies We have made deliveries this season of part of our advance orders.

5 to 7, $20.00 per 1000. 7 to 9, $50.00 per 1000.
6 to 8, 30.00 " 8 to 10, 80.00 "

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CARNATION PLANTS

The stock of field-grown Carnations which we offer for sale this season is in especially good condition. The plants have been grown upon good soil; the season has been favorable, and we have been less afflicted with plant diseases of all descriptions than at any period heretofore in the history of our Carnation growing. Having a large stock of plants and every facility for packing and shipping promptly, we can fill all orders on the shortest possible notice.

Fine, Strong Stock, Ready for Immediate Shipment.

	Per 100	Per 1000
Olympia	$12.00	$100.00
The Marquis	12.00	100.00
Red Bradt	8.00	75.00
Mrs. Jas. Dean	6.00	50.00
G. H. Crane, extra selected	8.00	75.00
G. H. Crane, 2d size	6.00	50.00
Gen. Maceo, extra size	8.00	75.00
Gen. Maceo, 2d size	5.00	40.00
Gen. Gomez	5.00	40.00
Mrs. G. M. Bradt, selected	8.00	75.00
Wm. Scott	5.00	40.00
L. McGowan	5.00	40.00

5 Per Cent. Discount if cash is sent with order.

THE COTTAGE GARDENS, Queens, L. I.

C. W. WARD, Manager.

We Are Close on the Gunning Season



And there is nothing that will give you more pleasure and quicker returns than

Our French, Holland and Japan

BULBS.

	Per 1000
Roman Hyacinths, white, 11 to 12 ctms.,	$14.00
" " " 12 to 15 "	18 00
Lilium Longiflorum (Japan), 6 to 8 in.,	30 00
" " " 7 to 9 "	50 00
Lilium Candidum, large bulbs, - -	60.00
Narcissus Grandiflora, paper white, .	9.00
" Von Sion, mammoth Bulbs,	18.00
Tulips, Keizerskroon, - - - - -	12.00
" La Reine, - - - - - -	11.00
" Canary Bird, - - - - - -	14.00

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PANSY SEED

S. & W. Co.'s

Non Plus Ultra.

The richest mixture ever sent out, and containing the **Blotched** and **Giant** varieties in greatest proportion; very effective. Per packet, 1000 seeds, 25 cts.; per ⅛ ounce, 75 cts.; per ounce, $4.50.

MUSHROOM

(New Crop)

Spawn,

10 lbs., . .	$1.00
100 " . . .	7.00
1000 " . .	65.00

STUMPP & WALTER CO., = = 50 Barclay Street, NEW YORK.

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DELIVERING THIS WEEK:

Narcissus, French Von Sion FOR CHRISTMAS FORCING.

A MONEY MAKER! TRY IT! Per 100, $2.00; 1000, $16.00.

L. Longiflorum (Japan) 9 to 10 inch, per 100, $8.75.

Freesias, Choice Bermuda Per 1000, $5.00.

Lilium Harrisii Selected; Healthiest Stock Grown on the Island. Ask for Prices.

Callas, Sound Stock

	Dozen	100
First size, 1¼ to 1½ inch	$0 75	$5 00
Select, about 1½ to 2 inch	1 25	7 00
Extra select, about 2 to 3 inch . . .	1 50	9 00

VAUGHAN'S SEED STORE,

84 Randolph Street, CHICAGO. 14 Barclay Street, New York.

Mention the Florists' Exchange when writing.

Ready for Delivery NOW at

FAIREST PRICES, FINEST CONDITION, FULL SIZE AND COUNT.

HYACINTHS.

	100	1000	Case, 2200
Early White Roman, select, 12-15 cm.,	$1 75	$16.00	$32 00
Single Blue " " "	1.50	14 00	
" Rose " " "	1.40	13.00	
Double " " " "	1.40	13.00	

DUTCH HYACINTHS.

	12	100	1000
Extra Size, separate colors.....	$0 60	$4.50	$10.00
A grand lot of Named Sorts, all popular florists' varieties.....		1.00	$6.00 to $7.00

MINIATURE or DUTCH ROMANS 11-12 cm.

	12	100	1000
In named sorts or separate colors ..	$0.40	$2 75	$24 up

Produce flower spikes equal to 2d size Hyacinths. Great for growing in pans for Xmas.

NARCISSUS.

	100	1000
Paper White, Giant Flowering, 1st size	$1.00	$9.00
" " " " 2d size.....	.85	7.50
Early Double Roman, fine forcer.....	1.00	8.00

	Doz.		
Golden Sun, orange cup.....	$0.25	1.75	14.00
Trumpet Major, favorite forcer	.20	1.00	8 50
Von Sion, Dutch grown, XXX, giants	.40	2.00	17.00
" " " " XX, select..	.30	1 60	14.00
" " " " X, fine.....	.20	1.25	10.00
Mixed Trumpet Narcissus, choice....	.20	1.00	8.00

TULIPS Are in—Get the first choice. We have them, fine large bulbs, mixed or separate colors, all forcing sorts. We give you a few sample prices:

	12	100	1000
La Reine, the unexcelled forcer	$0 20	$1 25	$10.00
Belle Alliance.....	20	1.25	9 50
Keizerskroon	.20	1.25	10.50
La Candeur.....	.20	1.10	8 50

CROCUS Should be planted now. We have whoppers in size, 1-1½ ins. diameter, all sorts and colors.

5 PER CENT. CASH DISCOUNT ON ABOVE LIST FOR ONE WEEK.

JAPAN FERN BALLS Florists' great money-maker. Our firm was the first to import these in this country in 1878. Now is best time to order for December delivery. We book orders for these now at 10 Per Cent. Discount up to October 1st. Address

H. H. BERGER & CO. (ESTABLISHED 1878), 47 Barclay Street, New York.

FREESIA Refracta, True White 2 sizes.

	100	1000
1st size, 100, 75c.; 1000, $6.00. 2d size, 100, 50c.; 1000,	$3.75	
White, yellow throat, 1st size.....	$0.50	$4.00
" " " 2d size	.40	2.50

CALLA Æthiopica.

	12	100	1000
3-5 inches circumference	$0.50	$4.00	$30.00
4-6 " "	.75	5 50	50.00

LILIES Harrisii, as healthy as Best Bermudas.

	100	1000
5-7, 100, $4.25; 1000, $40 00. 7-9, 100, $9.50; 1000, $90.00.		
Lil. Candidum, strong bulbs 12, 60c.; 100, $4.50		

LONGIFLORUM Are in from Japan. First advance shipment. Earliest ever arrived in New York. As long as unsold:

	12	100	1000
6-8	$0.60	$3.75	$31 00
7-9	.75	5.50	50.00
9-10	1.25	8.50	80.00

BULBS, 25 at 100 rates; 250 at 1000 rates.

SEEDS Do you want to see satisfactory results? Give us a trial. You will remain with us. We offer, for seasonable planting:

KENTIA Belmoreana or Forsteriana, fresh 1900 crop, 100 seeds, postpaid, 75c.; 1000, $4.00; 5000, $17.50.

SMILAX SEED, fresh crop, pkt., 10c.; oz., 25c.; lb., $2.50.

CYCLAMEN Persicum Giganteum, brilliant colors, mixed, 100 seeds, 60c.; 1000 seeds, $5.00.

PANSY SEED We pride ourselves on the quality of ours. We offer separate or mixed Bugnot, Odier, Cassier, Trimardeau, 1000 seeds, 25c.; 5000 seeds, $1.00. Also any known color, separate or all sorts mixed, at same price.

Mention the Florists' Exchange when writing.

FORCING BULBS NOW READY

LILIUM HARRISII	5 to 7, $5.00 per 100;	7 to 9,	$10.00 per 100	
WHITE ROMAN HYACINTHS	12 to 15, $1.75 per 100;		$16.00 per 1000	
PINK " "	12 to 15,	1.75	"	16.00 "
BLUE " "	12 to 15,	1.75	"	16.00 "
PAPER WHITE GRANDIFLORA, true		1.00	"	8.50 "
FREESIA REFRACTA ALBA, selected, 1st size				6.50 "
" " " mammoth bulbs		1.00	"	
NARCISSUS VON SION, Holland-grown, dbl., 1st size .		1.75	"	16.00 "
" " Holland-grown, dbl., 2d size .		1.25	"	10.00 "

Ask for prices on large quantities.

For Boston Ferns, Palms, etc.,

See former issues of this paper. We have extra good values in these.

Bobbink & Atkins, Rutherford, N. J.

Mention the Florists' Exchange when writing.

HENDERSON'S SUPERIOR

BULBS



Largest Stock. Largest Variety.

Lowest Prices

Consistent with Superior Quality.

Our Wholesale Bulb Catalogue For FLORISTS ONLY,

MAILED ON APPLICATION.

HENDERSON'S SUPERIOR WHITE ROMAN HYACINTH BULBS. First Size, 12 to 15 ctm., $17.50 per 1000; Extra Size, 13 to 15 ctm., $20.00 per 1000.

HENDERSON'S SUPERIOR LILIUM HARRISII BULBS. First Size, 6 to 7 inch, $42.00 per 1000; Extra Size, 7 to 9 inch, $90.00 per 1000.

PETER HENDERSON & CO.

35 and 37 Cortlandt Street, NEW YORK.



"I get more spikes of 'firsts' from your strain of White Romans than from any I ever grew before." A. S. WALLACE (Florist), Montclair, N. J.

"The Bermuda Easter Lily Bulbs I got from you (P. H. & Co.) are grand. In fact, every person who has seen them says they are the best ever seen in this part of the country; they are practically free from 'disease.'" LAWRENCE COTTER (Florist), Dorchester, Mass.

Mention the Florists' Exchange when writing.

FRESH ENGLISH MILLTRACK MUSHROOM SPAWN.
Our celebrated English Milltrack brand is made by the best maker in England specially for our trade; per brick (1¼ lbs.) 15c., by mail 25c.; 10 lbs., $1.25; 25 lbs., $2.50; 100 lbs., 6.00; 1000 lbs., $55.00 (250 lbs. at the 1000 lb. rate).
Fresh Smilax Seed, per oz., 20c.; per lb., $2.25; por 5 lbs., at $3.00 per lb.
Allen's Defiance Mignonette, per ¼ oz., 20c.; per oz., 75c.
Johnson & Stokes' Kingly Pansy, trade pkt., 50c.; ½ oz., $1.25; por oz. $5 00.
Freesia Refracta Alba: first size, 40c. per 100; $3.00 per 1000; selected, 60c. per 100; $5.00 per 100.
White Roman Hyacinths and Paper White Narcissus now ready for delivery.
WRITE US FOR PRICES.
JOHNSON & STOKES, Seedsmen, 217 & 219 Market St., PHILA., PA.
Mention the Florists' Exchange when writing.

ESTABLISHED 1802
THORBURN'S SEEDS
BULBS NOW READY:
ROMAN HYACINTHS,
DUTCH HYACINTHS,
NARCISSUS, TULIPS,
&c., &c., &c.
Wholesale Bulb Catalogue mailed on application.
J.M.THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK
Mention the Florists' Exchange when writing.

LILIUM HARRISII
Early Roman Hyacinths
Special prices on application.
Sure Crop Mushroom Spawn NEW CROP, $8 per 100 lbs.
WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., NEW YORK.
Mention the Florists' Exchange when writing.

CALIFORNIA-GROWN BULBS
Send for our Special Trade List. Address
California Nursery Company, Niles, Calif.
Mention the Florists' Exchange when writing.

HELLER'S MICE PROOF SEED CASES.
SEND FOR CATALOGUE.
HELLER & CO., Montclair, N.J., U.S.A.
Mention the Florists' Exchange when writing.

GUARANTEED A1 BULBS

L. HARRISII. Per 1000
5-7 inch..... $30 00
7-9 " 75 00

WHITE ROMAN HYACINTHS.
Red skinned..... 11 00
Named Hyacintbe in fine pot varieties..... 54 00

TULIPS.
Alba Regulus, white..... 8 00
Cottage Maid, pink..... 9 00
Duchesse de Parma, orange red..... 8 25
Keizerskroon, red and yellow..... 10 00
La Reine, white..... 9 50
La Belle Alliance, scarlet..... 9 00
Princess J. Marianne, white, slightly pink, large..... 8 00
Proserpine, carmine rose..... 15 00
Rose Grisdelin, pink..... 12 50
Vermilion Brilliant, scarlet..... 21 50
Yellow Prince, yellow..... 9 50
Double Gloria Solis, red and yellow..... 9 00
" Murillo, light pink..... 20 00
Tournesol, red and yellow..... 13 00

NARCISSUS.
Von Sion, top roots..... 13 00
" 1st size..... 11 50
" 2d size..... 10 00
Campernelle Major..... 3 50
Paper White Grandiflora..... 6 50
Trumpet Princeps..... 8 00

JAPAN LILIUM LONGIFLORUM.
6-8 inch.....per 1000, $27 50
7-9 " ..... " 40 00

Cash with order. 250 sold at 1000 rates.
HULSEBOSCH BROS., Englewood, N.J.
Mention the Florists' Exchange when writing

BURPEE'S SEEDS
PHILADELPHIA
WHOLESALE PRICE LIST FOR FLORISTS AND MARKET GARDENERS
Mention the Florists' Exchange when writing.

GERANIUM SEEDS
GOOD VENTURE MIXTURE:
25 New Large Flowering Varieties, 50c. per trade packet; $6 00 per oz.
Large Flowering, Splendid mixed, 25c. per packet; $2.50 per oz.
Good Mixed, 75c. per oz.; $7.00 per lb.

GERANIUM, Large Flowering: 1000 Sds.
Pure White..... $2 00
Pink..... 2 00
Magenta, flamed with scarlet..... 3 50
Scarlet, with white eye..... 1 25

GERANIUMS: 1000 Sds
Souv. de Mirande..... $2 00
Mme. Bruant.....100 seeds, $0 30
Dark Crimson..... " 30
Fleur Poitevine..... " 30
Scarlet..... per oz., 75
Double Splendid New Mixed, 25 seeds, 50

CHRYSANTHEMUMS, California Fantasies, Splendid Mixed, 50c. pkt.; $10 00 oz.
ASPARAGUS SPRENGERI, $3.00 per 1000 seeds; $25.00 per 10,000 seeds.
FRESH SMILAX, $2.00 per lb.
SEND FOR TRADE LIST.
MRS. THEODOSIA B. SHEPHERD,
Ventura-by-the-Sea, Calif.
Mention the Florists' Exchange when writing.

CALLA ÆTHIOPICA
Just Arrived in Fine Condition. Tubers, 1⅜ to 2 inch diameter, $6.00 per 100
Tubers, 1⅝ to 2½ " 9.00 per 100
Prices on all other bulbs, roots and plants for forcing cheerfully given by
F. W. O. SCHMITZ, Jersey City, New Jersey
Mention the Florists' Exchange when writing.

CALIFORNIA CALLA LILY SETS Healthy, strong sets, 1 to 1½ inches in length, suitable for bench growing, $3.00 per 1000, delivered free to any part of the U. S.

CALIFORNIA PALM SEEDS FRESH ON HAND.

	Per 100	1000	5000
Phœnix canariensis		$0.50	$2.00
" reclinata	$0.25	2.00	8.75
Brahea Edulis (Erythea edulis)	50	4.00	
" Glauca (" armata)	per pound, 75 cts.		
Chamærops Excelsa	per pound, 40 cts.		

Coreopsis Lanceolata..... per pound, $1.25
Smilax..... per pound, $1.75; five pounds at $1.50
Australian Salt Bush (Atriplex semibaccatum), per pound, 75c.; 50 lb. lots, 60c.; 100 lb. lots or over, 50c.
Yellow Globe Danver's Onion, per pound, 50c.; per 100 lbs., $45.00.
GERMAIN SEED AND PLANT CO., Los Angeles, Cal.
Mention the Florists' Exchange when writing.



Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1097, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Cincinnati, O., President; F. W. BOLGIANO, First Vice-President; S. G. COURTEEN, Milwaukee, Wis., Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

Bobbink & Atkins, Rutherford, N. J., have received their second consignment of Dutch bulbs, consisting of 150 cases.

St. Paul—Notwithstanding the severe drought early and intense heat the latter part of the Summer, seed crops in this section will be good. Some enormous yields of onion sets are reported, while the average will be up to or above the standard. Onion seed is a good crop of good quality.

European Notes.

Genial weather over the whole of Europe has replaced the very unpleasant conditions which succeeded the very hot spell, and both roots and plants for 1901 crops show signs of a much-needed improvement. Many of the Brassicas had, however, gone too far astray, and indications in this line are not at all favorable.

Just now we are all scurrying round to make up shortages. Cabbage is, of course, the worst item, but carrot is a good (or bad) second. Winter radishes are fairly abundant. Respecting Spring and Summer varieties, there is nothing fresh to report. Much of the vacant land in Western France was planted with dwarf beans in place of radish, and a glut seemed probable on some varieties. We can possess our souls in peace; they have gone the way of all other crops, and the land is bare.

EUROPEAN SEEDS,

Import and Export Statistics.

The following exports and imports of plants, shrubs and seeds, etc., are for the month of July:

Imports.—The dutiable imports of plants, trees, shrubs and vines amounted to $37,812 in July, 1900, against $38,075 in the same month of last year. During the seven months ending with July, 1900, these imports were valued at $298,761, as compared with $236,392 worth imported in a corresponding term of 1899.

The free imports of seeds amounted in July, 1900, to $26,631, against $27,719, the value of the imports for July, 1899. The total for the seven months' period of 1900 amounted to $658,937, as compared with a like term of 1899, when the imports were valued at $502,267.

The dutiable imports of seeds amounted to $17,051 in July, 1900, against $7,127 in July of the previous year. During the seven months of 1900 these imports were valued at $396,197, as compared with $221,346 worth imported in the previous seven months' period.

Exports.—The exports of seeds to other countries amounted to $53,764, against $128,471 in the same month of 1899. During the seven months of 1900 $1,666,288 worth were exported, as compared with the seven months' period of last year, when these exports were valued at $1,410,431.

Rockford, Ill.

Mr. Sigmund A. Bauer, of Erie, Pa., it is reported has entered suit for damages in the sum of $10,000 against Hiram W. and John T. Buckbee of this city, and the case is docketed for the October term of the Circuit Court. Mr. Bauer, it will be remembered, was arrested at the instance of Buckbee Bros., on August 26, 1899, charged by them with certain misdemeanors, and at the trial which ensued was found "not guilty." The suit now instituted by Mr. Bauer is to recover damages for alleged false imprisonment and detention from his business affairs.

ROSES!
Roses on their own roots, also budded. 40,000 roses in pots. Send for price list.
Ampelopsis Veitchii, in large quantities. Field grown.
Clematis Paniculata, two and three years old. Largest stock in the United States.
Yellow, White and Crimson Ramblers.
Honeysuckles and Clematis Paniculata, in pots.
Fifteen varieties of Phlox, field-grown.
Herbaceous Plants, in large quantities.
PRICE LIST ON APPLICATION.
ELIZABETH NURSERY COMPANY,
ELIZABETH, N. J.
Mention the Florists' Exchange when writing.

CATALOGUES RECEIVED.

F. LUDEMANN, San Francisco, Cal.—Wholesale Price List of California Bulbs and Plants.

HENRY A. DREER, Inc., Phila, Pa.—Wholesale Price List (Autumn Edition) of Bulbs, Plants, Seeds and Supplies.

SCHLEGEL & FOTTLER, Boston, Mass.—Autumn List of Bulbs, Plants and Supplies, and Wholesale Trade List of Bulbs.

SPECIAL SEED OFFER.
Cyclamen Persicum Giganteum, 1900 crop. A1 German Strain. White with red eye, dark red, pink, pure white, 100 seeds. 70c; 1000 seeds, $6 50; mixed, 100 seeds, 65c.; 1000 seeds, $6.00. This offer will exp re on October 1st. Cash, please.
CONRAD EICHHOLZ, Florist,
P. O. Box 1036, WARREN, PA.
Mention the Florists' Exchange when writing.

NOW IS THE TIME TO BUY
SMILAX SEED
NEW CROP.
25c. per oz.; $3.00 per lb.
EVERY SEED WILL GROW
HENRY F. MICHELL
1018 Market St., Phila.
WHOLESALE PRICE LIST OF SEEDS, BULBS &c. ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS
Mention the Florists' Exchange when writing.

HEADQUARTERS FOR JAPANESE
FERN BALLS
Many thousand sold last season. Now is the time to place importation orders. Write for special prices for December delivery.
JAMES VICK'S SONS,
ROCHESTER, N. Y.
Mention the Florists' Exchange when writing.

Z. CHRISTMAS
IS THE
SWEET PEA for forcing.
Seed, $10.00 per lb.; $1.50 per oz.
ANT. C. ZVOLANEK writes as follows about it "This grand variety is for inside culture only. The flowers first appear from September to November 20th, and flowers from then all winter until June. From middle bench, 6½x100 feet, I cut an average of 84 dozen per day; grows only 4½ feet high and flowers on 15 inch stems; color similar to Blanche Ferry. They are easily grown, and with each order I will send directions as to the way I grow them. I have raised them 8 years now, and they do well every year. All seed is from selected plants raised inside, and I will guarantee them to flower all winter. Plant after your 'mums. Have only a small quantity of seed." Address
BOBBINK & ATKINS, Rutherford, N.J.
Mention the Florists' Exchange when writing.

STRAWBERRIES Pot-grown, immediate delivery. Prices upon application.

EVERGREENS For August planting, in fine assortment.

MANETTI For grafting for December delivery.

HARDY NURSERY STOCK Of selected quality.

ROSES For forcing.

Correspondence a Pleasure.

HIRAM T. JONES, Union County Nurseries, **Elizabeth, N. J.**

Mention the Florists' Exchange when writing.

HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 Crowns.

Otaksa, Red-Branched, Thos. Hogg,

Price, $10.00 per 100; $85.00 per 1000.

Send for our wholesale Price List of Roses, Clematis, Shrubs, Trees, etc., etc.

Our representative, Mr. J. Austin Shaw, is now in New England, and we should be pleased to have him call upon prospective purchasers of any stock in our line.

JACKSON & PERKINS CO., Newark, New York

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS,	AZALEAS,
SPIRÆA JAPONICA,	LILIUM SPECIOSUM,
PÆONIES,	BLEEDING HEART,
POT GROWN LILACS,	HYDRANGEA IN SORTS.

CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing.

F. & F. NURSERIES

SPRINGFIELD, NEW JERSEY.

Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.

Mention the Florists' Exchange when writing.

THE STORRS & HARRISON CO., Painesville, Ohio.

Desire to call the attention of Florists and Nurserymen to their 40 acres of **HARDY ROSES,** their complete assortment of **FRUIT** and **ORNAMENTAL TREES** and **SHRUBS,** and their 44 Greenhouses of **ROSES, PALMS, FICUS, FERNS, ETC.**

Correspondence and personal inspection solicited. Trade List and Catalogues free

Mention the Florists' Exchange when writing.

ANDORRA NURSERIES

Red and Pin Oaks, 10 to 14 feet
Hemlocks, 4 to 6 feet

TRANSPLANTED SPECIMEN TREES.

WILLIAM WARNER HARPER, Prop., Chestnut Hill, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

TREES

Fruit Trees, Small Fruits, including grapes. Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, MT. HOPE NURSERIES, 61st year. **Rochester, N. Y.**

Mention the Florists' Exchange when writing.



I HAVE 25,000 SHADE TREES—SUGAR, NORWAY, SYCAMORE, ASH-LEAVED and SCARLET MAPLES, 1¼ to 3 inch diameter. ELMS, 12 to 16 ft. 2000 WHITE BIRCH and PURPLE BEECH, 5 to 10 ft. EVERGREENS, all kinds and sizes. 2000 COLORADO BLUE SPRUCE and RETINOSPORA AUREA, 3 to 5 ft. 2000 HYDRANGEA PANICULATA GRANDIFLORA, extra sizes. Plenty CRIMSON RAMBLER and other ROSES, extra strong. 20 000 CALIFORNIA PRIVET, 2 to 5 ft. FRUIT TREES, all kinds, many in bearing sizes. RHODODENDRONS and AZALEAS, extra strong, 2 to 3 ft. Also 1000 SILVER LEAVED MAPLES, 12 to 16 feet.

Florists, landscape men and others wanting stock should call or write

STEPHEN CRANE, Prop'r. Norwich Nurseries, **NORWICH, CONN.**

Mention the Florists' Exchange when writing.

ROOT PRUNED EVERGREENS

For Autumn Planting. Finely Rooted.

5000 NORWAY SPRUCE, 3½ to 5 feet.

5000 HEMLOCK SPRUCE, 3 feet and over, very bushy, compact and fine.

25,000 RETINOSPORAS in variety, from 1 to 6 feet.

COLORADO BLUE and ORIENTAL SPRUCE PINES and ARBOR-VITAEAS in Great Variety.

In good condition for transplanting, either in **Lawns, Parks** or **Cemeteries. Large Specimens,** for immediate effect.

SMALL EVERGREENS and EVERGREEN SHRUBS For **Window Boxes** a Specialty.

The **Success** with which our root pruned **Evergreens** have been moved is proverbial. **Failures** seldom occur. A personal inspection is invited.

THE WM. H. MOON CO., Morrisville, Pa.

60 miles from New York City.
30 miles from Philadelphia.

And 702 Stephen Girard Bldg., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

CABBAGE PLANTS

H. Succession, early and late Flat Dutch. 15c. per 100; $1.00 per 1000; $8.50 per 10,000

CELERY Plants. Pink Plume, New Rose and other varieties, 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

LETTUCE Grand Rapids, Curled Simpson and other varieties, 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

PARSLEY Extra strong plants, 25c. per 100; $1.50 per 1000.

If wanted by mail, add 10c. per 100 on Cabbage, Celery and Lettuce. 25c. per 100 on Parsley. Cash with order

R. VINCENT, JR. & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

CRYPTOMERIA JAPONICA JAPAN CEDAR.

THE NOVELTY DECORATIVE PINE.

Everybody wants it. There is money in it. Strong plants, from 2 inch pots, $5.00 per 100, or 20 for $1.00, by express. **SMILAX,** from 2 in. pots $1.25 per 100.

SATISFACTION GUARANTEED.

E. I. RAWLINGS, Quakertown, Pa.

200,000 Peach Trees

This stock is thrifty and healthy. All grown from Tennessee pits. No better Peach stock to be had.

Address

STEPHEN HOYT'S SONS, New Canaan, Conn.

CELERY PLANTS.

About 50,000 best transplanted stocky, well-hardened plants still left, and to close out will sell at $1.00 a 1000; $3 50 per 10,000, cash; $40.00 takes the lot. Samples free to intending buyers. White Plume, Giant Pascal and Boston Market.

Marie Louise Violet stock. Write for prices.

R. KILBOURN, Clinton, N. Y.

Yucca Filamentosa

Fine, large plants, **$10.00 per 100.**

SAMUEL C. MOON, Morrisville, Pa.

BUCKS CO.

FRUIT and ORNAMENTAL TREES,

Shrubs, Vines and Roses

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., Geneva, N. Y.

SURPLUS FOR SPRING 1900

Can yet do **PEACHES** and **JAPAN PLUMS** in limited quantity; also **MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY STRAWBERRIES** from best leading varieties.

Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.

ALEX. PULLEN, PROPRIETOR.

RHODODENDRONS

Native Rhododendrons; well furnished plants, all sizes. Prices on application.

A. E. WOHLERT, Altoona, Pa.

AMERICAN TREE SEEDS.

Our Descriptive Catalog of American seeds is just out.

Ask for it and secure trade discount on advance orders.

Our Forester, "How to Make Tree Seeds Grow," free with every order.

PINEHURST NURSERIES, Pinehurst, N.C.

Otto Katzenstein, Mgr.

KOSTER & CO.

Hollandia Nurseries, - BOSKOOP, HOLLAND

Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Pæonies, Pot-grown plants for forcing, Rhododendrons, H. P. Roses, etc.

No Agents. Catalogue free on demand. No Agents.

Mention the Florists' Exchange when writing.

HOLLYHOCK!

Double White, Red, Pink, Yellow and Allegheny, mixed, large plants, July sowing, 75 cents per 100; $5.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

Convention Echoes.

BY A BUFFALONIAN.

The stay-at-homes, of course, were more numerous than the attendants at this great convention. Nevertheless, with wishing to overcome so great a city as our rival for next year's meeting place, and show the country that some bowling element of distinction still existed here, a goodly number had to go, as the daily records of attendance from Buffalo shows in the daily edition of the Florists' Exchange.

The convention now over, the recollections of those attending must long remain a vivid pleasing memory.

From an outside viewpoint, words fail to express the meed of praise that seems due the New Yorkers. Such unstinted lavishness in efforts to please their guests, all general movements timed to concerted action without flaws or shortcomings, individual efforts that betrayed the unselfish hosts, abounded everywhere, and nothing available seemed too good to offer. The system of all the clerical, registering and office features adjoining each other in a line, proved a boon to those new to the common requirements of delegates. A like of the trade exhibit we expect never to see again—unless, perhaps, a decade hence in the same place. Though arranged to a studied effect of convenience and grouping, in its entirety it truly was a bewilderment of horticulture. And quality, not a mere filling in of space taken, was the strong card of exhibitors.

The Florists' Exchange we deem especially deserving of praise in its daily editions. The completeness shown and promptness each day, betrayed the fact of hard toiling night-and-day preparation to an unmeasured degree.

With such a voluminous shining and bright example of how a convention can be managed and entertained, the fact of its coming to our humble borders at such a near future is almost appalling to our ambitions.

O'Mara, the guiding star of 1901.

Wood was "watched" and Cleary "shined"—very proper.

A shore dinner is apt to make a country squash feel quite bumpkin.

The dear girls, wives and sweethearts. God bless such a lot of them!

Such cool weather conditions were a boon that could be and was appreciated.

Considering his youth and spirit, Kasting takes honors cool and submissive. Some stay-at-homes ask why he did not bring the entire Greater New York City along with him.

Monkeys and pigs; Germany and Filipinos. Versatile, instructive and attractive.

The New Yorkers seem to display an envious knack at handling crowds. They did it to admired perfection.

Can anything more torrid than was that bowling alley room be entitled a place of amusing entertainment?

Phil Breitmeyer showed fatherly solicitude and guiding care for the Detroit crowd. This delegation planned to visit the Pan-American exhibit grounds here and also Niagara on Sunday on the return trip.

Lawrence Cotter—a striking example of reliable Bostonian embonpoint.

The New York retailer, he of the distinguished air at home in his store, was not in evidence as numerous as we hoped to see.

Of all fond remembered spots, though moderate still large in its completeness—Glen Island.

"Wood, we co-operate! Or would we not seems to be a question that is almost buried in its burning.

Robert Kift showed clever "adjusting" of the flower of past decorating displays.

And now Geo. Watson pokes anathemas at Rudd! What else should or could poor deserted Chicago do?

John Starin should know by this time that he is owner of a fine show of tuberous begonias.

"Buffalo in 1901" we think sounds well.

VIDI.

CRYPTOMERIA JAPONICA

A plant that has all the grace and beauty of Auracaria Excelsa Everybody wants it. Strong plants, 2½ inch pots, $5.00 per 100.

Grevillea Robusta. Very fine for center plants or fern dishes. 3½ inch pots, $5.00 per 100

Cupressus Lawsoniana. Fine evergreens, 2½ inch pots, $1.00 per 100.

Shellroad Greenhouses, Grange P. O., Balto, Md.

Mention the Florists' Exchange when writing.

AMERICAN ROSES
ON OWN ROOTS.

In the following varieties:—American Beauty, Anna Diesbach, Coquette des Alpes, General Jaqueminot, Jules Margottin, La France, La Reine, Mme. Geo. Bruant, Magna Charta, Mrs. John Laing, Paul Neyron, Prince Camille de Rohan, Victor Verdier.

STRONG TWO-YEAR NORTHERN FIELD-GROWN PLANTS. SEPTEMBER DELIVERY, if order is placed at once, in the select trade varieties.

Florists desiring to be supplied are advised to Order Immediately before the Limited Supply is Sold Out. FIRST COME, FIRST SERVED.

SPECIAL OFFER TO CASH-WITH-ORDER BUYERS LILIUM LONGIFLORUM (Bermuda), 5-7 inch circumference, sound, healthy bulbs, per case of 400 bulbs, $14.00; per 1000, $32.50. Per 5000 to 10,000, inquire for prices.

Fine Collection of SEEDLING PALMS, ARECAS, LATANIAS, KENTIAS, from 2 to 4 inch pots; also collection fine RUBBERS. Write for prices.

C. H. JOOSTEN, WHOLESALE BULBS AND PLANTS, 85 Dey Street, New York.

HERR'S PANSIES

ALWAYS THE BEST and better every year.

They sell themselves. Try a hundred as an experiment.

Plants only, and ready October 1st to January 1st. Free by mail, 75c. per 100; 250 for $1.50; 500 for $2.50.

By Express, at your expense, $4.00 per 1000.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing

PANSIES

The Jennings Strain

Of large flowered show and fancy Pansy Seed. New crop now ready. My 1900 Strain cannot be excelled, and is sure to give the highest satisfaction.

Finest Mixed, pkt., $1.00; ½ oz., $2.50; 1 oz., $5. Yellow, White, Blue and Black, in separate colors, 50c. per pkt., postpaid. Small Pansies, 60c. per 100, by mail.

Cash with order.

E. B. JENNINGS, Lock Box, 254. **Southport, Conn**

Grower of the finest Pansies.

Mention the Florists' Exchange when writing.

Roemer's Superb Prize

PANSIES

PLANTS READY NOW.

Free by mail, 65 cts. per 100; 250 for $1.50. By express, $4.00 per 1000; $7.00 per 2000; $10.00 per 3000; $15.00 per 5000.

CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.

Grower of Extra Fine Pansies.

PANSY PLANTS.

Good, strong, plants ready to set out, of the finest mixture, at $3.50 per 1000.

A. WENISCH,

DUNCOMBE AVE., Williamsbridge, N. Y. City.

Mention the Florists' Exchange when writing.

Zirngiebel Giant Pansy

PLANTS NOW READY.

Giant Market, $5.00 per 1000. Giant Fancy, $10.00 per 1000. Also Seeds of the above strains, trade packages at $1.00 each.

DENYS ZIRNGIEBEL, Needham, Mass.

Mention the Florists' Exchange when writing

VAUTIER'S

MAMMOTH PANSY

New crop seed now ready. This is the largest and finest Pansy ever offered. We have testimonials from florists from all parts of the U. S praising its size and merits. Trade packet, $1.00; oz., $4.00.

H. G. FAUST, 64 and 66 N. Front St., **Philadelphia, Pa.**

Mention the Florists' Exchange when writing.

FALL, 1900 30,000 Violets and Carnations, &c.

10,000 2¼ inch Pot Plants, Marie Louise, L. H. Campbell, and Swanley White, $5.00 per 100, from 2¼ inch pots, clean. Also California and Luxonne, from flats, $1.50 per 100.

10,000 Field Clumps, Fine—Princess Wales, $6.00 per 100; L. H. Campbell and Luxonne, $5.00 per 100; California, $3.00 per 100.

10,000 Field-Grown Carnations, for Sept. delivery—McGowan, Portia and Scotts—$3.50 per 100, or $30.00 per 1000.

2000 fine, bushy, 2½ inch **Smilax,** $1.60 per 100.

2000 Double Sweet Alyssum, bushy, for Winter, $2.50 per 100.

Asparagus Sprengeri, 6 inch, 20c.; 5 in., 15c.

Cash, Please. **BENJ. CONNELL, Florist, WEST GROVE, PA.**

Mention the Florists' Exchange when writing.

IF YOU NEED ROSES
Send us your list for prices.

THE C. A. REESER CO.
URBANA, OHIO.

Wholesale Rose Growers.

Mention the Florists' Exchange when writing.

VIOLETS FIELD-GROWN.

Farquhar, Marie Louise and **California.** $3.00 to $5.00 per 100. Good stock.

FREDERICK A. TAYLOR, Conastota, N. Y.

Mention the Florists' Exchange when writing.

VIOLETS. VIOLETS.

Marie Louise, clean and healthy in every particular 3 in. pots, $5.00 per 100; ready.

Cash with Order.

WM. J. CHINNICK, - Trenton, N. J.

Mention the Florists' Exchange when writing.

VIOLETS Large, field-grown plants of California, Princess of Wales and Campbell, in fine order. Sample, 10 cts.

ALBERT H. BROWN, Westboro, Mass.

Mention the Florists' Exchange when writing.

L. H. CAMPBELL VIOLETS Large, healthy, field-grown clumps, $4.00 per 100; $35.00 per 1000.

SMILAX Large plants, will make fine strings this Winter, $2.50 per 1000; $20.00 per 10,000.

CELERY PLANTS Strong, transplanted, in four leading varieties, $1.50 per 1000; $10.00 per 10,000.

GUSTAV PITZONKA, Bristol, Pa.

Mention the Florists' Exchange when writing.

Pansies Worth Raising

Seed, ⅛ oz., $1.00; 1 oz., $1.00

Nice Stocky Plants, 500 for $2.50; 1000 for $4.00

Per express at buyer's expense. Cash with order.

CHR. SOLTAU, 199 Grant Avenue, **Jersey City, N. J.**

Mention the Florists' Exchange when writing.

PANSIES

My strain is good and embraces a wide range of colors and varieties, 60 cts. per 100 by mail. $3.50 per 1000 by Express.

Hardy Plants at low prices, such as Veronica, Coreopsis, Funkia, Phlox, Columbine, Larkspur, Helenium, etc. Write for prices on quantities needed. Cash with orders please.

W. C. JENNISON, Natick, Mass.

Mention the Florists' Exchange when writing.

PANSY SEEDS

Giant Trimardeau, fine mixed, trade packet, 20c.; oz., $1.75; lb., $15.00.

Fine mixed, **Mme. Perret, Cassier, Bugnot, Parisian,** trade packet, 25c.; oz., $2.25. Crop of 1900.

Cecile Davy, packet, 25c.; oz., $4.00.

Also the other varieties, at lowest prices.

SAMPLE FREE.

BEAULIEU, Walker and Belmont Aves. **Woodhaven, N. Y.**

Mention the Florists' Exchange when writing.

ROSES

Bridesmaid, strong, from 3 in. pots, $4 per 100.

	Per 100
Geranium, 10 varieties, 2½ inch pots	$2.00
Giant Double Sweet Alyssum, 2½ in. pots	2.00
Swainsona Alba, 2½ inch pots	2.00
Lemon Verbena, 2½ inch pots	2.00
Hardy Phlox, good collection, 2½ inch pots.	2.00
Smilax, 2½ inch pots	1.25
Hardy Chrysanthemums, good collection, 2½ inch pots	2.00
Yucca Gloriosa, strong field-grown, $5.00 and	8.00

CASH WITH ORDER.

R. VINCENT, JR. & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

VIOLETS

From pots, A1 stock, free from disease: **Lady Campbell,** $2.50 per 100; $20.00 per 1000; from 3 and 3½ inch pots, $4.00 per 100; $35.00 per 1000.

ROSES Meteors, Perles, 'Maids and Brides, extra fine stock, 3 inch, $3.00 per 100, $25.00 per 1000; discount on large orders.

CARNATIONS. A bargain on such varieties as White Cloud, Flora Hill, New York, Evelina, Scott, etc. Write for prices.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

Marie Louise Violets

Strong Healthy Plants,

$3.00 per 100, $25.00 per 1000.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

VIOLETS

6000 March Struck **Farquhar,** 3 inch pots, fine healthy stock.

500 DRACÆNA SANDERIANA, 3 inch, ready for a shift.

State Quantity. Price on Application.

J. R. FREEMAN, 612 12th St. N. W., **Washington, D.C.**

Mention the Florists' Exchange when writing.

PANSIES

Harris's Improved Strain of large and extra fine colors. Plants from seed bed, 60 cts. per 100 by mail; $4.00 per 1000.

GIANT SWEET ALYSSUM Double, 2 inch pots, $1.50 per 100.

CASH WITH ORDER.

C. A. HARRIS & CO., Delanson, N. Y.

Mention the Florists' Exchange when writing.

PANSY PLANTS

Giant, fine mixed, very strong, per 1000, $3.00.

Orders not solicited for less than 500. Special prices on 10,000 or more, buyer to pay express charges.

JOHN LAPPE, - Maspeth, L. I.

The Largest Pansy Grower in America.

Mention the Florists' Exchange when writing.

VIOLETS Marie Louise, strong, field-grown clumps, perfectly healthy, $4.00 per 100; $35.00 per 1000. House-grown, equally healthy, $3.50 per 100; $30.00 per 1000. Cash, please. Sample, 10 cts.

TRANSPLANTED CELERY PLANTS, strong, well-hardened, $1.00 per 1000, to close them out. $8.50 buys 10,000.

R. KILBOURN, Clinton, New York.

Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,

ROSES, PALMS, CROTONS,

...CARNATIONS...

and Novelties in Decorative Plants.

Market and 49th Sts., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

ROSES

300 La France	4 inch, nice plants, $4.00 per 100.
500 Kaiserin	
100 Gontier	
200 'Maid	
250 Bride	
200 Golden Gate	

CASH WITH ORDER.

A. A. WHITBRED, - Altoona, Pa.

Mention the Florists' Exchange when writing.

ROSE PLANTS

In varieties, from 2¼ in. 3 and 4 inch pots. Write for prices.

	100
Lemon Verbena, 3 in. pots	$4.00
Sansevieria Zeylanica, 3 in. pots	5.00
Asparagus Plumosus, 2½ in. pots	5.00
Asparagus Sprengeri, 2½ in. pots	4.00
Nephrolepis Cordata Compacta, 2½ in.	5.00
N. Cordata Compacta, 8 in. pans...per doz.,	6.00

Field-Grown, Scotch **Hardy Pinks,** at $3.50 per 100; $30.00 per 1000. 6 varieties.

THE NATIONAL PLANT CO., Dayton, Ohio.

Mention the Florists' Exchange when writing.

ROSES

Perle	Sunset
K. A. Victoria	Souv. de Wootton

Strong clean plants, from 3 in. pots, $7.00 per 100 $65.00 per 1000.

Bride	Golden Gate
Bridesmaid	La France
Boe Stiene	Maid of Honor
Duchess of Albany	Mermet

Strong, clean plants from 3 in. pots, $6.00 per 100; $55.00 per 1000.

LIBERTY

12	plants for	$7 20
25	" "	12 50
50	" "	15 00
100	" "	28 00

Strong, Field-grown **CARNATIONS** Healthy Stock

America, Gen. Maceo, Mrs. Geo. M. Bradt, Buttercup.

1st size, $8.00 per 100; $70.00 per 1000
2d size, $6.00 per 100; $50.00 per 1000

Melba, Genl. Gomez, Jubilee, White Cloud, Armazindy.

1st size, $7.00 per 100; $60.00 per 1000
2d size, $5.00 per 100; $45.00 per 1000

Bon Ton, Daybreak, Eldorado, Flora Hill, Frances Joost, Psyche.

1st size, $6.00 per 100; $50.00 per 1000
2d size, $5.00 per 100; $45.00 per 1000

Firefly, John's Scarlet, New York, Sea Shell, Victor, Thos. Cartledge, Alaska, Portia, Lizzie McGowan, Wm. Scott.

1st size, $5.00 per 100; $40.00 per 1000
2d size, $4.00 per 100; $35.00 per 1000

SMILAX strong plants, from 2½ in. pots, $2.50 per 100; $18.00 per 1000.

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

FLORIST, good all-round man, wants situation; good references. Paget, Pelham P. O., N. Y.

YOUNG man wants situation for greenhouse work. Gus. Miller, Florist, 822 Amsterdam Ave, N. Y.

FIRST-CLASS rose grower wants situation; can take charge, age 31; good references. X. L., care Florists' Exchange.

SITUATION wanted by a grower of fine carnations and general stock, also fine designer. Address X. B., care Florists' Exchange.

WANTED—Position by lady with florist; seven years' experience; excellent designer. Address X. R., Florist, care Florists' Exchange.

SITUATION wanted as foreman by a practical grower of roses and carnations. Address Working Foreman, 309 S. Laurel st., Richmond, Va.

SITUATION wanted by A1 grower of roses, bulbs and general stock of cut flowers and plants; A1 reference; state wages paid. X. M., care Florists' Exchange.

SITUATION wanted by A1 grower, brides, 'maids and beauties. 18 years' experience; best of references; will take charge on percentage or shares. X. N., care Florists' Exchange.

SITUATION wanted by a good cut-flower grower, competent to take charge; German, age 31, life experience, best references; state full particulars, wages. X. S., Carnation, care Florists' Exchange.

FLORIST, gardener, single, age 30, 14 years' experience in greenhouse and outdoor gardening, wants situation on private place; best of reference; state wages and particulars. Address Gardener, P. O. Box 152, Northport, Long Island.

POSITION wanted by an experienced florist and gardener, married, age 38, 4 years in the orchids and stoves of Low & Co., London, ten years' experience in America; best references. Address Horlish, care Fursey, 17 Warburton ave., Yonkers, N. Y.

SITUATION wanted by florist, German, married, 31 years of age; life experience in Europe and the United States; roses, carnations, 'mums and general stock; capable of taking charge, commercial or private. Address, stating wages, X. P., care Florists' Exchange.

HELP WANTED.

WANTED—A young man for general greenhouse work, etc.; must be a quick potter; state wages expected. Address John H. Ramsay & Co., Bath, Maine.

WANTED—A first-class seedsman well versed in flower, seeds and plant trade; a steady position and good salary for the right man. Apply to W. E. C., care of Thomas Downey, Boston Globe, Boston, Mass.

WANTED—Good general grower to take charge of 15,000 feet glass; must be competent, a hustler, and understand all greenhouse work. Address, giving reference, age, full particulars and salary, Z. D. Blackstone, 14th and H sts., N. W., Washington D. C.

WANTED—An experienced grower of palms ferns and bulb stock, to take charge of tropical house adjoining city store; good salesman, decorator and maker-up preferred, willing to work and temperate; reference; wages moderate. Apply to the Melrose Floral Co., Harrisburg, Pa.

WANTED—In an old established import and export seed and bulb house, a young man under 20, as packer; must be strong and willing, and come well recommended; previous experience not essential; steady position and good chance for advancement. Address in own hand writing, X. V., care of Florists' Exchange.

WANTED—A GOOD MAN FOR FLORists' store. Littlefield, Worcester, Mass.

WANTED—A COMPETENT WORKING foreman, posted in general nursery trees, shrubs and herbaceous plants. Address Letter X. T., care Florists' Exchange.

A THOROUGHLY EXPERIENCED man wanted for wholesale cut flower commission house in New York. Good salary will be paid the right party; one competent to take charge preferred; state age and references. X. G., Permanent, care Florists' Exchange.

Mention the Florists' Exchange when writing.

Maria Louise Violet Plants

Strong, clean, healthy plants, $30.00 per 1000; $3.50 per 1.00. Cash with order.

C. F. BAHRET, Poughkeepsie, N.Y.

Mention the Florists' Exchange when writing

CARNATION PLANTS

SCOTT	CRANE
McGOWAN	AMERICA
DAYBREAK	MACEO
PORTIA	GOMEZ
PINGREE	MELBA
ELDORADO	WHITE CLOUD

FOR CASH ONLY.

W. C. GOODRICH, West Troy, N. Y.

Mention the Florists' Exchange when writing

MISCELLANEOUS WANTS.

WANTED—To meet a party with small capital, to join in a mailing and express business, to supply consumers with a popular line of plants; opportunity to develop a large business in new field. Address H. O., care Florists' Exchange.

WANTED—A SECOND-HAND HOT Water Boiler, to heat 500 to 1000 ft. of 4 in. pipe. Must be in good condition and cheap. Give name of boiler, size, condition and price. Riverside Gardens, Binghamton, N. Y.

BUSINESS OPPORTUNITIES.

FOR SALE—Small up-to-date greenhouse plant and house, close to New York city; no reasonable offer refused. W. F. Lynch, West New Brighton, S. I., N. Y. City.

FOR SALE OR RENT—Greenhouse, 5000 ft. glass, steam heating, market garden, 10 acres, 6 roomed dwelling, barn, etc., adjoining thriving town of 3000, on St. Joe and Grand Island Ry. H. Schmalzl, Marysville, Kan.

FOR SALE—14,000 feet of glass, used mostly for roses, 4 acres of ground and 2 dwelling houses; 3 minutes from station, city improvements, hot and cold water, and good forcing water in greenhouses supplied by Summit Water Co. On account of illness with rheumatism, will sell whole or part interest. A. Harth, Milburn, N. J.

FOR SALE—Range of greenhouses, containing 10,000 square feet glass, all in good repair; good retail trade; good store on main street; houses one mile from store, all cement walls and walks nice and clean; owner wishes to retire from business; will sell with or without dwelling house. Inquire on premises, 100 Bay st., Taunton, Mass., E. F. Rose.

L. USSING'S GREENHOUSE PROPERTY Exchange, 53 W. 28th St., New York (with G. E. Bradshaw). Telephone, 1239 Madison Sq. Sell, rent or exchange at all times.

FOR SALE—GREENHOUSES WITHIN A half mile of Baltimore, one complete two unfinished, ready for glass; size of lot, 255 ft. by 125 ft.; more ground, if desired, on very reasonable terms. Charles H. Stewart, 1st Tollgate, Belair Road, Baltimore, Md.

MISCELLANEOUS.

FOR SALE, some extra good second-hand 3-inch pipe, at 6c. per foot; also some 4-inch; secure it while it lasts. W. H. Salter, Rochester, N. Y.

FOR SALE—1600 ft. 4 in. cast-iron pipe for hot water heating, at 10 cents per foot, f. o. b. Philadelphia. Samuel J. Bunting, 58th and Elmwood ave., Philadelphia

FOR SALE—ONE No. 29 "SUNRAY" Water Heater, manufactured by the J. L. Mott Iron Works, New York; capacity seven hundred square feet of four-inch pipe, in use three seasons. Price fifty dollars cash. Geo. C. Schmitt, Florist, Tuscola, Ill.

Mention the Florists' Exchange when writing.

CARNATIONS.

Strong, healthy, good size, well branched—Hill, White, Daybreak, McGowan, Scott, Cerise Queen, Victor, Eldorado, and others, $3.00 to $5.00 per 100; $25.00 to $35.00 per 1000. Let me figure on your wants.

W. H. WATSON, Lapeer, Mich.

Mention the Florists' Exchange when writing



New York.—The following scores were made last Monday afternoon:

	1	2	3
F. H. Traendly	112	154	120
C. Schenck	162	131	117
A. S. Burns	27	99	148
T. Roehrs	143	136	149
E. Steffens	113	116	113

The New York Florists' Bowling Club will hold their next meeting in Traendly and Schencks' store on the second Monday in October (which will fall on the 8th), at 3 p. m. Mr. T. Roehrs was elected temporary chairman and Mr. C. Schenck temporary secretary until the next meeting, when officers for the coming year will be elected.

CORRESPONDENCE.

Editor Florists' Exchange.

As we presume the publishing of the paper read by Mr. Geiger before the Philadelphia Florists' Club in reference to cooling rooms for florists was in the interest of the trade generally, we wish to correct an error in the statement made in regard to the consumption of ice in the plan described as box in use near Philadelphia. The total consumption of ice for eight months was about $120, or about $15 per month. As we felt we were in some way responsible for this error, we felt obligated to rectify it, that our fellow-craftsmen might not be misled.

MYERS & SAMTMAN,
Chestnut Hill, Philadelphia.

Philadelphia.

Club Meeting.

There were not many present at the meeting on Tuesday last. It was very quiet for a September meeting; no doubt the continued hot weather kept many away.

Robert Kift opened a discussion on convention topics and spoke in great praise of the exhibition.

Robt. Craig said he would like to have heard more expressions of opinion as to the advisability of holding the convention in Winter instead of August; the latter month was chosen because florists were not so busy, but he thought a Winter convention would be more educational and better exhibits could be made Mr. Craig said he had never known a convention where so much business was done on the floor of the exhibition hall as this last one; business was good with all exhibitors.



Jardiniere given by A. H. Hews & Co., of North Cambridge, Mass., to the lady in the Bowling Contest making the second highest score.

At a meeting of the Florists' Club Committee on Sports, held Monday last, the prizes for the ladies' bowling contest at S. A. F. tournament were awarded.

First prize, for highest score, bronze vase, offered by Cleary & Co., to Miss Eastman.

Second prize, for second highest score, jardiniere, offered by A. H. Hews & Co., to Mrs. Winterson.

Third prize, for third highest score, one dozen photographs, offered by Dana, to Mrs. Langjahr.

John P. Cleary, who was present, told how the New York club had worked to get up the Convention, and spoke of the splendid harmony existing between the members—all had worked with a will since last September.

Mr. Cleary had come over to inspect the Stoke-Pogis Nurseries out at Villa Nova, where he will hold an auction sale of all the stock on Wednesday, October 3d.

Cut-Flower Business.

There is scarcely anything to report as to cut-flower business, most of the stores are quiet; outside of some funeral work, little is doing; flowers are not plentiful nor of very good quality.

Jacob Becker has returned from Europe, and had a very enjoyable and profitable trip.

DAVID RUST.

Alvin Fruit and Nursery Co., Alvin, Texas, has filed a charter of incorporation. The capital stock is $15,000, and the incorporators are R. B. Halley, V. H. Pace, W. L. Moore and others.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.

DREYER'S ANNUAL TRADE SALE

(R. DREYER, Woodside, L. I.) CLEARY & CO., Auctioneers, 60 Vesey Street, NEW YORK.

Watch this paper for date, and other general information, in next week's issue.

An Extraordinary Opportunity.

CARNATIONS.

Scott, Daybreak, Joost, Portia, Minnie Cook, $4.00 per 100; $35.00 per 1000.

WM. & JAS. WOOD, . . Yonkers, N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS Field-grown, McGowan, Portia, $3.00 per 100; $25.00 per 1000. Flora Hill, Jubilee, $4 per 100.

Also a few other varieties left in limited quantities.

GERANIUMS Best varieties, 2½ inch pots, $2.50 per 100.

CYCLAMEN GIGANTEUM Extra, 2½ in. pots, $4.00 per 100.

RICHARD INSALL, West Moorestown, N. J.

Mention the Florists' Exchange when writing.

WM. MURPHY,

Wholesale Carnation Grower.

Sta. F., CINCINNATI, O.

Mention the Florists' Exchange when writing.

SURPLUS CARNATIONS

Flora Hill, White Cloud, Triumph, Daybreak, $5.00 per 100. Crane, America, Melba, Bradt, $6.00 per 100. Cash with order.

W. SABRANSKY, - - Kenton, Ohio.

Mention the Florists' Exchange when writing.

30,000 Field-Grown CARNATIONS

Extra fine, large and well-shaped plants.

Varieties: Flora Hill, Evelina, Daybreak, Triumph, Victor, Red Jacket, Albertini, Tidal Wave, Genesee, Joost and Meteor, $5.00 per 100.

White Cloud, $7.00 per 100.

Quotations on large quantities.

P. R. QUINLAN, 901 West Genesee St., Syracuse, N. Y.

Mention the Florists' Exchange when writing

VIOLETS MY SPECIALTY

Fine Marie Louise, from field	per 100,	$3 00
From flats, small, healthy	"	1 50
Princess de Galles, extra large, from field, from 6 to 12 inches wide	"	5 00
Good size	"	3 00

CARNATIONS

Very extra large Wm. Scott and John's Scarlet, from 12 to 15 shoots, $5.00 per 100; $45.00 per 1000.

Mrs. F. Joost, large size, per 100, $5 00.

Freedom, White Cloud, Daybreak, per 100, $4.00.

Cash with order. Sample by mail on receipt of 10 cts., except the large carnations, of which sample by express.

FERD. BOULON, Seacliff, N.Y.

Mention the Florists' Exchange when writing.

LOOK HERE!

Fine Field-Grown

CARNATION PLANTS

McGowan, Scott, Daybreak, Storm King, $4.50 per 100; $40.00 per 1000.

Keller, Albertini, Jahn's Scarlet, Armazindy, Genesee, $5.00 per 100; $45.00 per 1000.

Cash with the order. 250 at 1000 rate.

JAMES E. BEACH, Bridgeport, Conn.

2019 PARK AVENUE.

Mention the Florists' Exchange when writing.

600,000 Pansies, The Best All-Round Strain,

BECAUSE we grow all our seed, saving it this year from over 10,000 plants carefully selected from the 40,000 we flowered and sold in Boston and vicinity last spring. We have been growing and perfecting this strain for over twenty years, paying special attention to form and substance as well as size and color. Many novel and rare colors not found in other strains are included and the proportion of light and dark is evenly balanced. They always bring the highest price and one sale insures another. Awarded a First-class Certificate of Merit, by the Massachusetts Horticultural Society. Plants now ready, $6.00 per 1000 by express, purchasers' expense. Smaller plants by mail, 75c. per 100 prepaid. Cash with order. please.

I. E. COBURN, 291 Ferry St., = EVERETT, MASS.

Mention the Florists' Exchange when writing

20,000 CARNATIONS $25.00

1000 strong, healthy, field-grown plants of **Daybreak, Scott, McGowan, New York** and **Joost.** Cash with order.

R. J. GARDNER, Bayside, L. I., N. Y.

Mention the Florists' Exchange when writing.

OCTOBER PURPLE PLUM!

The best of all Burbank Plums. We have a large and fine stock of trees, one or two year's old on Plum and Peach stock. Address

STEPHEN HOYT'S SONS, New Canaan, Conn.

Mention the Florists' Exchange when writing.

HARDY FERNS

FOR CULTIVATION.

40 varieties. Try them in your planting. They will thrive and increase in size and beauty where other plants fail. Catalogue of these and other herbaceous perennials.

EDW. GILLETT, Southwick, Mass.

Mention the Florists' Exchange when writing.

BOSTON FERNS

And Davallioides Furcans.

Extra fine, from bench, ready for 4 inch pots, 10 cts.; for 5 inch, 15 cts., and 6 inch, 25 cts.

ASPARAGUS SPRENGERI.

6 inch pots, heavy.....$4 00 per dozen; $25 00 per 100
5 inch pots..... 2.50 per dozen; 15.00 per 100

Cash with order, or 25 per cent. if C. O. D.

A. NELSON, P. O. Box 1450, Paterson, N. J.

Mention the Florists' Exchange when writing.

VIOLETS!

5000 Marie Louise From 4 inch pots, positively free of all disease, single crown, $5.00 per 100; $40.00 per 1000.

5000 SCOTT CARNATIONS

Field-grown, A No. 1 stock. Write for prices.

2000 SELAGINELLA

Strong plants, from 3½ inch pots, $6.00 per 100.

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

BOSTON FERN

A SPECIALTY.

At $3.00, $6.00 and $9.00 Per Dozen.

Fine Plants, Cut from Bench.

Asparagus Plumosus Nanus, 3 in., $8 00 per 100.

Asparagus Sprengeri, 3 inch, $6 00 per 100.

20,000 Small Palms, Kentias, Latanias, Cocos, from 2½ inch to 5 inch. Prices on application.

About 2000 Lady Campbell Violets, field-grown, good plants, at $5.00 per 100.

Dracæna Indivisa, field-grown, 2 years, at $25 00 per 100.

L. H. FOSTER, 45 KING STREET, Dorchester, Mass.

Mention the Florists' Exchange when writing.

BOSTON FERNS

Now ready. $5.00 per 100.

H. L. CAMERON, No Cambridge, Mass.

Mention the Florists' Exchange when writing.

ACALYPHA SANDERI

Chenille Plant.

Extra strong 2½ inch pot plants, 4 to 6 inches high $1.00 per dozen; $6.00 per 100.

Field-grown CARNATIONS, ask for prices

THE CALLA GREENHOUSES, Calla, Ohio.

Mention the Florists' Exchange when writing

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.

1730 CAMBRIDGE ST.

ARAUCARIA EXCELSA 5½ inch pots, 3 tiers, from 9 to 11 inches high, 80 cts.; some for 70 cts., a little smaller.

Ficus Elastica (Rubbers), 6 inch pots, from 18 inches upwards, 40 cts. each; $5.00 per doz. (very fine).

Boston Ferns, 4 inch pots, $2.00 per doz.

Umbrella Plants, 3 inch pots, $5.00 per 100.

Tuberous Rooted Begonia, 4 inch pots, mostly white, etc., 75 cts. per doz.

Heliotropes for winter-blooming, fine plants $5.00 per 100.

Godfrey Aschmann, 1012 Ontario St., Rising Sun, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing

Adiantum Cuneatum

2½ in. pots, $4 per 100; 3½ in. pots, $6 per 100 3½ in. pots, large plants, $10 per 100; selected plants, 3½ in. pots, $12 per 100.

Asparagus Sprengeri

2½ in. pots, $4 per 100; $30 per 1000. 3 in. pots, $5 per 100.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing

CHOICE FERNS IN FLATS.

100,000 at One Cent.

JOHN H. LEY, Good Hope, Washington, D. C.

Can supply very good, hardy plants, which, potted now, will fill a 2½ in. pot in a few weeks, best market sorts. Have sent by mail and express to every State and Canada, and have given universal satisfaction.

Sample 100 mailed, $1.25
1000, in 10 Sorts, by Express, $10.00.

Pteris Cretica Alba, P. Adiantoides, P. Longifolia, P. Hastata, P. Sulcate, P. Tremula, Adiantum Graodiceps, Nephrodium Cristatum, Lygodium, Lomaria Gibba, Selaginellas, &c., &c.,

POST ORDERS, GOOD HOPE, D. C.

Mention the Florists' Exchange when writing.

FINE PALMS.

Kentia Belmoreana and Forsteriana—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, from $2.50 upwards.

Phœnix reclinata, 4 in. pots, $20 per 100; 5 in. pots, $40 per 100; 6 in. pots, 35c. each; 7 in. pots, $1.25 each; specimen plants, $2.00 upwards.

Areca Lutescens, 3 in., $15 per 100; 4 in., $25 per 100.

Latania Borbonica, 4 in., $20 per 100.

JOHN BADER, Troy Hill, Allegheny, Pa.

L. D. TELEPHONE 872A.

Mention the Florists' Exchange when writing.

CHEAP TO CLOSE OUT.

BOSTON FERNS,

At $3.00 per 100; $25.00 per 1000.

Asparagus Plumosus Nanus,

$3.50 per 100; $30 00 per 1000.

Asparagus Sprengeri,

$2.50 per 100; $20.00 per 1000.

The above are nice plants, from 2½ inch pots.

Otaheite Oranges,

From 3 in. pots, fine plants, at $4.50 per 100; $40.00 per 1000.

The Good & Reese Co.,

SPRINGFIELD, OHIO.

Mention the Florists' Exchange when writing

Studer Offers

Young, Healthy Stock, for Next Winter's Use.

Dracæna Fragrans and Terminalis, Pandanus Utilis, Latania Borbonica, Amburiensis, Morantus, Diellenbachia, Alocasias, FERNS: Bostoniensis, Washingtoniensis, Lomaria Gibba, Exaltata, etc., from 3 and 4 inch pots, ready for 5 inch, 10 and 15 cts. each; $1 00 and $1.50 per dozen.

SMALL FERNS, in variety: Maranta Zebrina, Fittonina, Carex Japonica, Selaginellas, Peperomia, etc., for Fern pans, from 2½ and 3 inch pots, 5 cts. each; 50 cts. per dozen.

Umbrella Palms (Cyperus), Otaheite Oranges, Cape Jessamine, Dracæna Indivisa, Small Evergreens, Japanese Maples, etc., from field, at 10 cts. to 15 cts. each; $1.00 to $1.50 per dozen.

Rubbers, from 6 in. pots, 40c. each; $4.00 per doz.

Cocos Weddelliana, from 4 inch pots, 30c. each; $3.00 per dozen.

Rex Begonias, also flowering varieties, excellent plants from 4½ inch pots 15 cts. each; $1.50 per dozen

Specimen plants of Palms, Ferns, etc., see prices in last Exchange.

To introduce the Washingtoniensis Fern as a decoration plant, for which it is truly grand, I offer specimen plants from 8 inch pots, at $1.50 each

I always add 10 per cent. worth of plants for Cash with order. Order now, as most plants can be sent safely by freight.

N. STUDER, Anacostia P. O., D. C.

Mention the Florists' Exchange when writing.

50,000 BOSTON FERNS

I Make a Specialty of

N. EXALTATA BOSTONIENSIS

Small plants, $4.00 per 100 or $35.00 per 1000; large plants, $6.00 to $50.00 per 100; taken from the bench.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 in. pots, $3.00 and $4.00 per doz.

Asparagus Plumosus, 2½ in. pots, $5 00 to $6.00 per 100; 3½ in. pots, $12.00 per 100.

Asparagus Sprengeri, 2½ in. pots, $5.00 to $6 00 per 100.

Araucaria Excelsa, 14 to 16 ins. high, 4 to 5 tiers, 6 in. pots, $1.00 and $1.25 each; 20 to 24 ins. high, 5 to 6 tiers, 6 in. pots, $1.50 each; larger size, $2.00 and $2.50 each.

Rubber Plants, 12 to 15 ins. high, $4.00 per doz., and 20 to 24 ins. high, $6.00 per doz.

Chinese Primroses, 2½ inch pots, $3.50 per 100.

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. Connected with Telephone.

Mention the Florists' Exchange when writing.

CARNATIONS

Field-Grown, Strong, Healthy Plants.

McGowan, No. 1, $3.00 per 100; $25.00 per 1000; No. 2, good plants, $2.00 per 100.

Scott, No. 1, $4.00 per 100; $30.00 per 1000; No. 2, $2.50 per 100.

Daybreak, Victor and Flora Hill, No. 1, $5.00 per 100; No. 2, $3.00 per 100.

McGowan Sport. No. 1, $4.00 per 100; No. 2, $3.00 per 100. This we have selected and grown for the past six years. It has a stronger, straighter stem than McGowan and good for side benches.

CASH WITH ORDER.

CHAS. BLACK, Hightstown, N. J.

Mention the Florists' Exchange when writing.

20,000 EXTRA FINE

FIELD-GROWN CARNATIONS

Scott, Flora Hill, McGowan, Mrs. F. Joost, Mary Wood, New York, Bon Ton, Albertini, Thos. Cartledge, Argyle, Gold Nugget, Lily Dean, Leslie Paul, Iris Miller, Elsie Ferguson, at $6.00 per 100; $50.00 per 1000.

Melba, G. H. Crane, at $8.00 per 100.

EVENDEN BROS., - Williamsport, Pa.

Mention the Florists' Exchange when writing.

GENEVIEVE LORD

Another year's trial convinces us that it is not only a worthy successor to Wm. Scott, but far superior to that variety in every way. In short, it is the finest pink carnation to date, all things considered. We offer a limited number of field-grown plants as follows: First size, $12.00 per 100; Second size, $10.00 per 100. Also a few other varieties. Write for prices, etc. Delivery September 1st.

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

60,000 Field-Grown

CARNATION PLANTS

Argyle, Pingree, Tidal Wave. Evelina, Daybreak, Flora Hill, Triumph, Scott, McGowan, Armazindy,

Per 100, $3.50; Per 1000, $30.00.

Evanston, $6.00 per 100; $50.00 per 1000.
White Cloud, $6 per 100; $50 per 1000.
G. H. Crane, $8.00 per 100.
Mrs. Bradt, $6.00 per 100.
Mrs. Joost, $6.00 per 100.

ROSE PLANTS.

Meteor, Bridesmaid, Bride 2¼ and 3 inch pots, per 100, $3.00; per 1000, $25.00.

American Beauty, 3 in. pots, Per 100, $5.00; per 1000, $45.00.

GEORGE REINBERG,

51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

New Varieties of

CARNATIONS

Grown from seed and named after my three grandchildren. We have grown these under ordinary culture for the past four years, and find them equal to any and far superior to many other varieties.

RUSSELL Clean, healthy, and the most vigorous and prolific we have ever grown or seen. We believe it is the best general purpose Carnation ever sent out. Grown side by side with Scott, it is far ahead of it in every respect, except size, which is about the same. It has never burst with us, when others in the same house have done so badly; it is a lively light-rose pink, distinct from anything we have ever seen; very fragrant. Where an abundance of good, fair sized blooms is wanted, it cannot be surpassed.

MILDRED A strong grower, with very long, strong stems. Flower very large, and a continuous bloomer. A fine shade of light, soft pink.

WILLIE Strong grower, with long, stiff stems. Flowers very large, of a bright shade of very dark rose pink. A continuous bloomer. We have more than we have room to house, and offer extra fine plants within reach of all. No. 1 plants, $1.50 per doz.; $6.00 per 100

CHAS. BLACK, Hightstown, N. J

Mention the Florists' Exchange when writing.

20,000 FIELD-GROWN

CARNATIONS AND VIOLETS

We have the following varieties in excellent shape for shipment:

Flora Hill, Gold Nugget, Daybreak, Wm. Scott, Eldorado, Rose Queen, Jubilee, Meteor and McGowan.

Also 5000 Violets, Princess of Wales, field-grown. Write for prices before placing your orders.

W. T & F. P. BUTZ, - New Castle, Pa.

Mention the Florists' Exchange when writing.

FIELD-GROWN CARNATIONS

Glacier, Evanston, Jubilee, Armazindy, Victor, A. Webb, F. Hill, Daybreak, Dana, Meteor, Morello, Cartledge, McGowan, Bridesmaid, Eldorado, Portia, John's Scarlet, Scott. Fancy stock, $5; ordinary, $3.

CASH.

DANA R. HERRON, Olean, N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS

WM. SWAYNE, Kennett Square, Pa.

Mention the Florists' Exchange when writing.

10,000 FIELD-GROWN

CARNATION PLANTS!

Scott, Hill, Cloud, Crane, Gomez, Joost.

For cash only. Price on application.

J. A. SUYDAM, Florist, Flatbush, Brooklyn, N. Y.

Mention the Florists' Exchange when writing.

EXTRA FINE

Field-Grown Carnation Plants,

Daybreak, $5.00 per 100; G. H. Crane, $8.00 per 100, John Young, $6.00 per 100; Gen. Gomez, $8.00 per 100; Sebec, $5.00 per 100; Scott, $5.00 per 100; Alaska, $5.00 per 100; Tidal Wave, $5.00 per 100.

ROSES.

Bride, 'Maid, Kaiserin, Meteor, 4 in pots, $5.00 per 100; $40.00 per 1000.

Also a large assortment of

PALMS, SAGOS, RUBBERS, BAY TREES, and BOSTON FERNS. Prices on Application.

HERMAN C. STEINHOFF,

578 Hudson Boulevard,

WEST HOBOKEN - - - - N. J.

Mention the Florists' Exchange when writing.

FIELD-GROWN CARNATIONS

F. Hill, Scott, McGowan, Portia, Bridesmaid, Nivea, Eldorado, Gold Nugget, Morello, Jubilee, Armazindy, Meteor, Victor, Daybreak, Dana, Evanston, $3.50 and $5.00 per 100. CASH, PLEASE.

E. A. Llewellyn, Olean, N. Y.

Mention the Florists' Exchange when writing.

SCOTT CARNATION PLANTS 800 well-rooted, large, $3.50 per 100; $25.00 for lot.

175 ADIANTUM CUNEATUM 3 in., $4.50 per 100. 125 ADIANTUM CUNEATUM, 4 in., $8.00 per 100. Cash with order, please.

CHAS. P. GULICK, Kingston, N. J.

RIVERSIDE OSEENHOUSES.

Mention the Florists' Exchange when writing.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing.

CARNATIONS

Field Grown MARQUIS.

First size, $15.00; Second, $10.00.

L. E. Marquisee, Syracuse, N. Y.

Mention the Florists' Exchange when writing.

EXTRA CARNATION PLANTS

McGowan $4.00 per 100. Dana, New York, Lady Emma, Flora Hill, John Young, $5.00 Per 100.

Second Sizes Cheaper. Cash Please.

WILLIAM STUPPE, Hollis, L. I., N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS

Field-Grown Plants.

F. DORNER & SONS CO.,

La Fayette, Ind.

SEND FOR PRICE LIST.

Mention the Florists' Exchange when writing.

---

4 ACRES FIELD-GROWN CARNATION PLANTS--120,000

Our Carnations this year are very fine. They have been grown with the greatest care, free from disease, and are packed light by our improved method of packing, by which we can send to all parts of the United States, in perfect condition,

MAYOR PINGREE BUTTERCUP G. M. BRADT
$1.50 per dozen; $8.00 per 100.

CRIMSON SPORT, ELDORADO, MELBA — ARMAZINDY, DAYBREAK — MAUD ADAMS, JUBILEE — WHITE CLOUD, TRIUMPH
$1.25 per dozen; $6.00 per 100.

McGOWAN, METEOR, DOROTHY SWEET — MRS. FISHER, L. L. LAMBORN, FLORA HILL — ALBERTINI, C. A. DANA, SWEET BRIER — PORTIA, WM. SCOTT
$1.00 per dozen; $5.00 per 100.

PANSY PLANTS Grown from extra choice seed, of our own production, and not surpassed in variety, size, beauty of coloring or freedom of bloom by any other grown. Price, 50cts. per 100; $4.00 per 1000.

Mention this paper. **J. L. DILLON, BLOOMSBURG, PA.**

150,000

FIELD-GROWN CARNATION PLANTS

Fine Stock. Ready for Shipment.

	Per 100	1000
AMERICA	$8.00	
MELBA	8.00	
EVANSTON	6.00	$50.00
MRS. BRADT	6.00	50.00
JOOST	6.00	50.00
FLORA HILL	5.00	
TRIUMPH	4.00	35.00
ARGYLE	$4.00	$35.00
GOLD NUGGET	4.00	35.00
ARMAZINDY	4.00	35.00
EVELINA	4.00	35.00
McGOWAN	3.00	25.00
SCOTT	3.00	25.00
NIVEA	3.00	25.00

PETER REINBERG, 51 Wabash Ave., CHICAGO

Mention the Florists' Exchange when writing.

CARNATION PLANTS 10,000 fine plants, in good varieties, at low price. Ready to plant now.

E. D. SHAW & CO., Holyoke, Mass.

Mention the Florists' Exchange when writing.

Field-Grown CARNATION PLANTS.

You've never seen stronger and healthier ones. Mary Wood, White Cloud, Daybreak, Scott, Triumph, Jubilee, M. Pingree, and Empress, $5.00 per 100; $40 00 per 1000; 500 at 1000 rate, for cash or C. O. D.

LAMPRECHT BROTHERS, Ashland, Ohio.

Mention the Florists' Exchange when writing.

JOOST AND HILL,

CARNATION PLANTS.

The money makers, at $5.00 per 100, $40 00 per 1000—1st quality **Daybreak, White Cloud, Triumph and Mary Wood.**

ISAAC A. PASSMORE, Route 7, West Chester, Pa.

Mention the Florists' Exchange when writing.

FIELD-GROWING

CARNATIONS

Extra fine plants. Frances Joost, White Cloud, John Young, Daybreak, C. A. Dana, $5.00 per 100; seconds, $3.50 per 100. Flora Hill, seconds, only $3.50 per 100. **Cash with Order.**

ROWEHL & GRANZ, Hicksville, L. I., N.Y.

Mention the Florists' Exchange when writing.

Field-Grown Carnations

Flora Hill	$6.00	per 100.
Marquis	12.00	"
Ethel Crocker	12 00	"
Crane	8.00	"
Melba	6 00	"

H. F. LITTLEFIELD, Worcester, Mass.

Mention the Florists' Exchange when writing.

25,000 MAUD ADAMS

Wm. Scott, McGowan and Portia.

In the best of health. This is not surplus stock Plants will be sent just as they run in the field. I do not plant any carnations this season. Write for prices.

FRANK NIQUET, Florist, Patchogue, L.I., N.Y.

Mention the Florists' Exchange when writing.

10,000 CARNATION PLANTS

Extra fine large plants, carefully packed, $5.00 per 100; $35.00 per 1000.

F. Hill, Scott, E. Pierson, Armazindy, McGowan, C. A. Dana, Eldorado, Alaska.

GEO. H. BENEDICT, Yorkville Greenhouse, **Yorkville, N. Y.**

Mention the Florists' Exchange when writing.

Extra Fine Field-Grown

CARNATION PLANTS

Let us figure on your wants.

CHICAGO CARNATION CO., Joliet, Illinois.

Mention the Florists' Exchange when writing.

CARNATION PLANTS.

Strong field-grown plants, of Scott, Daybreak, White Cloud, Flora Hill, and Harrison's White. Cheap for Cash, at the

SPY HILL CONSERVATORIES,

Fishkill-on-Hudson, N. Y.

Mention the Florists' Exchange when writing.

FIELD-GROWN

CARNATIONS

DAYBREAK,

$1.50 per 100; $40.00 per 1000.

Scott, Portia, and McGowan,

$1.00 per 100; $35.00 per 1000.

THE BOOL FLORAL CO.,

ITHACA, N. Y.

Mention the Florists' Exchange when writing.

PLANT CULTURE A two hundred page book of inestimable value to all, for only **$1.00.**

A. T. DE LA MARE PTG. & PUB. CO., Ltd.
P. O. Box 1697, New York.

Rochester, N. Y.

Repairing and planting in are keeping every one busy. Carnations are mostly housed and in better condition than usual at this date.

Business is still very light in the stores. With carnations practically out of the market, and roses in short supply, asters have been used on every possible occasion. There was a break between the early and late varieties that was filled with Daybreak and Bride comet asters. The first really good stock of branching and branching comet asters came in August 25, and brought $1.50 per hundred—an unusually good price for Rochester.

Jas. Vick's Sons report the best season's trade in many years. Their handsome Fall catalogue is just coming from the press.

Mr. Hill, of the Vick and Hill Co., is still abroad, but is expected home this month. Fred. Vick has just returned from a month's vacation in Connecticut, taking in the S. A. F. convention on the way.

S. B. Dick, London, England was in town one day last week on his way West.

Geo. Crook has returned to his first love—steam-fitting—and is now permanently located in New York. His sister will continue the florist business on Mt. Hope avenue.

There was an attendance of forty at the outing on August 30. The day was fine, and it was so evident that all were having a jolly time that those on whom the work fell felt abundantly repaid. Quoits were the standard amusement. A chariot race, adapted from "Ben Hur," was won in two straight (?) heats by Messrs. Copsey and W. Keller. A Bohemian lullaby, rendered by the Bartholomay Co., received numerous encores. The vases of gladiolus furnished by John Fay Kennell showed what skillful cultivation can do with that flower. His seedling, No. 1900, was pronounced a decided acquisition. The register, with its forty autographs, will be preserved.

T. H. Gilmore had entire charge of the menu, and much of the actual work of preparation and serving fell to his willing hands. Tom's twenty-seven years with the Vick seed house have made him well known in Western New York as an expert along several lines of floriculture, but his skill as chef was a surprise to some of the boys.

G. A., JR.

Guelph, Ont.

At a meeting of the Guelph Horticultural Society, August 29, it was determined to hold an exhibition of flowers on Sept. 11. The meeting was addressed by Mr. A. Gilchrist of Toronto Junction, who spoke on the subject of management and cultivation of house-plants.

Tarrytown, N. Y.

The Tarrytown Horticultural Society held its monthly meeting Aug. 30. Mr John Egan read an able paper on the cultivation of cannas, which incited considerable discussion. R. A.

Yield of Carnation Flowers.

Editor Florists' Exchange.

Not finding any one among the trade who could give me definite information in regard to the yield of disbudded, long-stemmed carnation flowers per plant, I took the trouble the past season to keep an accurate record of all the plants of each variety—not a few selected plants, but the whole, good, bad and indifferent, and the inclosed table is the result. It shows the actual yield per plant for each month, and shows the particular month in which each variety was at its best.

New York, Gomez and Bon Ton were badly infested with spot, or fairy ring, when taken into the house, and lost a good share of their foliage. Maceo was somewhat so, but not as bad. Crane made a poor growth in the field, so that the plants were quite small when taken in.

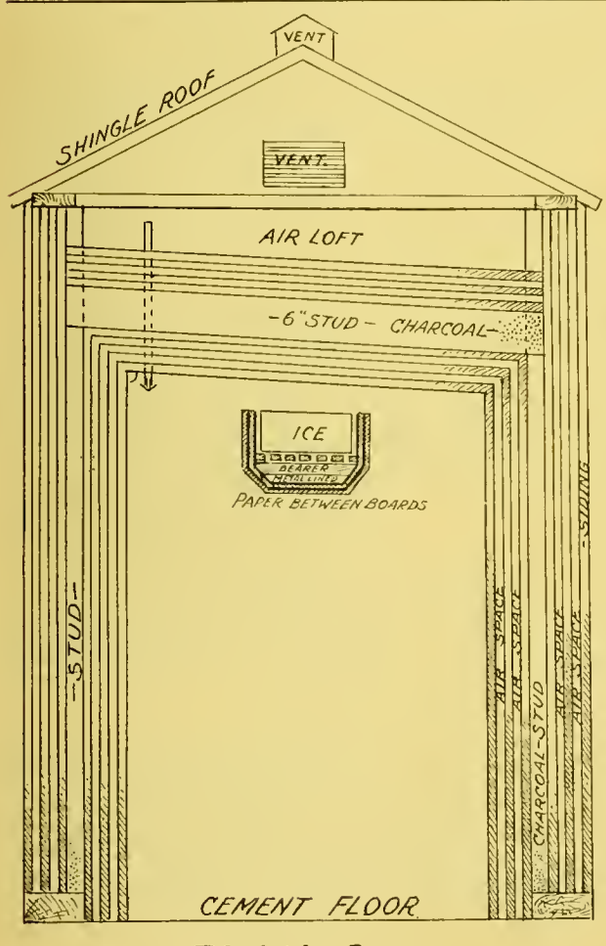
The plants were housed the last two or three days in August and first two or three days of September. From the list we find that all the varieties except Bradt are more or less what we call croppers, and could the two crops have come in about a month earlier they would have paid much better. Perhaps more experience will enable us to bring them in earlier.

Our houses were run at a night temperature of 50 to 52 degrees. We shall try White Cloud and Gomez this year at 45 degrees, and think they will give better flowers and do less bursting. We have the leading new varieties, and shall continue our records the coming season. Our stock is in much better condition, and we hope for better results than last year.

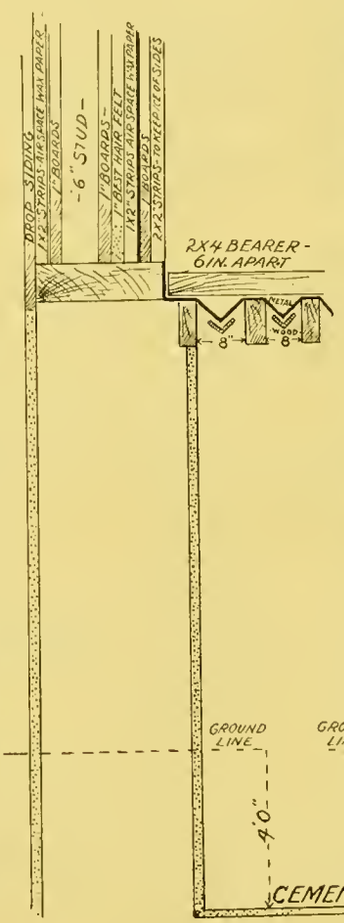
X.

1899	Bradt.	Maceo.	New York.	Crane.	Bon Ton.	Gomez.	White Cloud.
Oct.....	.26	.28	.66	.11	1.62	.16	.75
Nov.....	1.17	3.33	2.75	.80	3.16	1.28	1.26
Dec.....	1.15	2.64	2.13	.88	.76	1.74	1.79
1900							
Jan.....	1.91	3.56	4.31	1.79	.84	2.25	5.06
Feb.....	1.60	1.88	1.61	1.13	.48	2.70	1.38
March.....	1.43	2.81	.75	.86	.39	2.24	.90
April.....	1.08	1.08	.43	.48	.51	1.32	4.56
May.....	1.11	.69	2.49	1.61	3.77	.49	2.88
June.....	1.66	3.74	5.07	3.12	11.38	4.37	.82
July.....	1.98	7.27	2.05	2.78	6.63	2.90	.26
Aug. 13....	.34	1.06	.16	.44	.58	.26	——
Total..	13.69	28.34	22.41	14.00	30.12	19.71	19.66

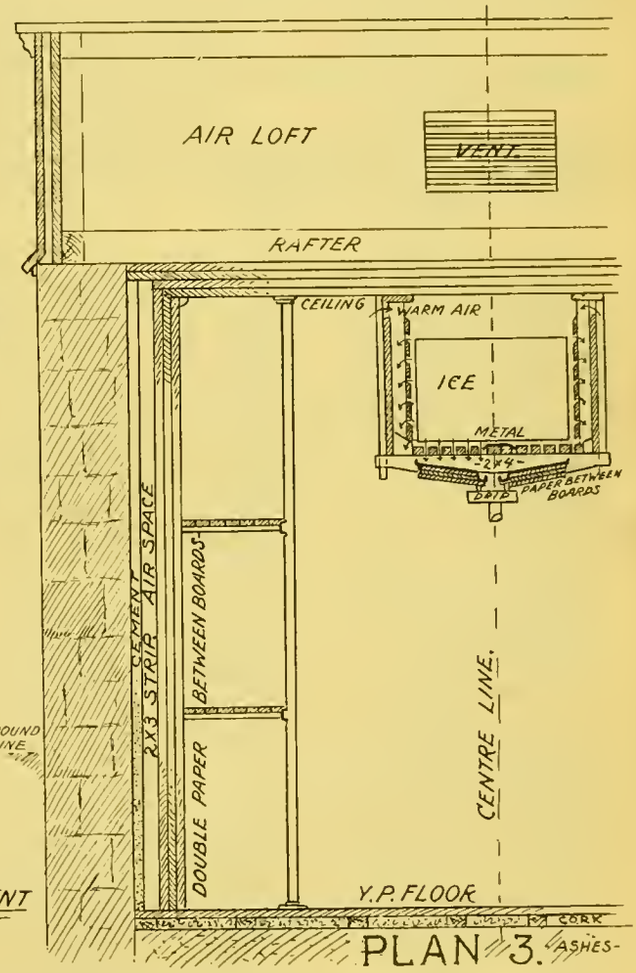
X.



PLAN 2.



DETAIL PLAN 4.



PLAN 3.

Cool Rooms for Florists' Use.

We herewith reproduce plans of three cool rooms that are giving satisfactory results. These plans were used by Mr. H. C. Geiger to further explain his paper on cool rooms, read before the Philadelphia Florists' Club when that body met in August.

Plan No. 2 is recommended for its simplicity. The size is 8x12 feet and 8 feet high; the side walls are 13 inches thick, having 3x4 inch studs in the centre and three one-inch boards, one inch apart, on each side of the studs, the spaces being filled with powdered charcoal. The ceiling is made in thes ame way, exceptiug the rafters, which are 3x6 inches, thus allowing of a 6-inch space for charcoal. It is made with a slight raise; two one-inch pipes are run through the ceiliag, to allow the warm air to escape; these pipes have a metal cap fitted to the inside, by which the flow of air is regulated.

The ice bunker is made so as to be filled from the outside; the plan shows plainly how that is constructed.

Plan No. 3 shows a room that was originally an ice house, but was made into a cooling room by lining the walls and ceiling with wood, as shown by the details of the plan. Building paper is used between the boards, and the floor is of wood, laid on a bed of ashes and cork, to avoid dampness.

Plan No. 4 shows a section of a very large room, but the details can be worked on a smaller scale if necessary. The walls are of stone, to the height of 8 feet, and are cemented on both sides; the floor is 4 feet below the ground level, and is made of cement. The upper walls are built of wood, and a glance at the plan shows how the house is put together and what size lumber is used.

The rafters that support the ice chamber are 4x12 inches, and are set 8 inches apart. The plan also shows clearly how the 2x4 bearers rest on the rafters and hold the ice, and how the V-shaped gutter of metal is placed between the rafters to collect the drip. For fuller details we refer to FLORISTS' EXCHANGE, issue of August 18th, page 788.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO., LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS, Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00.
Payable in advance. The date on the address label indicates when subscription expires.

CHANGES OF ADDRESS.

When notifying the publishers to send the paper to a new address, give both old and new addresses.

BINDERS.

The publishers can supply binders which will hold the papers for one complete volume, keeping them in perfect order for ready reference. Price, postpaid, $1.00.

ADVERTISEMENTS, $1.25 PER INCH.

Special positions extra.
No advertisement less than 75 cents.
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For rates, on Wants, etc., see column for classified advertisements.
Copy must reach this office not later than Thursday in order to secure insertion in issue of the following Saturday.
Orders from unknown parties must be accompanied by cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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Corrections.

In our issue of August 25, containing the report of the awards at the Horticultural exhibition of the S. A. F., the prizes given for cannas should have read as follows:

Six Cannas: First prize, J. B. Dutcher, Esq., Gdr. A. L. Marshall; second prize, G. E. Dickinson, Gdr. J. Boshard.

Collection of Cut Cannas: First prize, J. B. Dutcher, Gdr. A. L. Marshall; second prize, G. E. Dickinson, Gdr. J. Boshard; third prize, D. Willis James, Gdr. W. Duckham.

Boston.

Business has made little or no change recently, it running along very quietly, with quantities of stock which move very slowly indeed, the demand is so light. Roses of all kinds are plentiful, and carnations, too, are becoming more so every day; but the general quality is not extra fine. Asters are a great drug; gladioli, sunflowers, hydrangeas, etc., are very plentiful, and make a big show, but there is not enough demand for them to anywhere near clean up the daily shipments to this market.

F. J. NORTON.

PHOTOGRAPHIC CONTEST.

Awards for August Competition.

First Prize.—A. J. Pennock, Lansdowne, Pa., for a photograph of an aquatic scene in Washington Park, Chicago.

Honorable Mention to several other of Mr. Pennock's productions.

Honorable Mention to Rudolph Windt, St. Louis, Mo., the prize winner in the July Competition, for a combined view of a canna bed and vase of flowers in Forest Park, St. Louis, Mo.

Honorable Mention to Mrs. A. H. Austin, Charleston, Ohio, for an aquatic scene in the ponds of W. J. Richards, of Wayland, O.

The judge for the month of August was Mr. Edward Bierstadt, 94 Reade street, one of our oldest New York photographers, whose reputation as an expert is world-wide among his professional brethren.

The entries for the month of August were considerably larger than for any preceding month, showing that an awakening interest in this competition is being taken, as it draws near to its close.

We would remind intending competitors that this month is the last in the series, and all photographs intended for the September competition must be mailed us not later than the 30th inst.

Among the contestants the work of Mr. A. J. Pennock, of Lansdowne, Pa., stands out pre-eminently the best, that gentleman contributing ten subjects which were not only very handsomely finished and mounted, but, in the majority consisted of appropriate subjects, showing considerable artistic skill in selection and execution.

We will endeavor to publish the prize photograph and others, together with the judge's formal decision, in next week's issue.

Convention Echoes.

WESTWARD, HO!

Every thing good or bad must have an end; it is the same with this convention outing of 1900. To-morrow, September 6, the writer will be again aboard train bound for home and its duties, which now chiefly concern the well-being of the FLORISTS' EXCHANGE in so far as reporting the progress of the doings and sayings of the florists of Chicago and its environs. Most of those who made up the big aggregate at the convention have long since returned to their varied callings, there is but a remnant left, we are sure.

If every one has enjoyed the occasion as well in the varied ways peculiar to each individual, they will have pleasurable memories for years to come. In my case it has not been noted for the greenhouses I have seen or the business done by Easterners, but rather a three weeks' recreation—sight-seeing and travel, always, of course, with a view of enjoying as much as may be everything horticultural that would come in the way of a rapid traveler.

Immediately after the convention a call was made on the wholesale florists and markets congregated in New York, to see how business is done in these lines in Greater New York; afterwards, the watering places at Midland Beach, Long Branch, Elberon, Asbury Park, etc., completed that part of the outing. Yes, we did also call on Peter Henderson & Co., and Vaughan's Seed store, finding Mr. Vaughan still in the East, at present in Philadelphia, and these and others of like character up to their eyes in receiving and shipping bulbs.

Our next trip was to the hub, famous old Boston, where we found our old-time friend, John A. Pettigrew, of the Public Park, ready and more than willing to do exactly what we desired—see Boston and its environs, its wonderful park system, its old common, its noted public garden, right in the heart of the city, its historical places, including old Harvard; a peep at the famous old Massachusetts Horticultural Society and Horticultural Hall, soon to be no more, and its celebrated librarian and factotum, Mr. Robert Manning.

Then we saw the foundations of the new hall, and what a place it will be in that Back Bay district. What a noble library and building and foundation for the future, why should not old Boston be famous horticulturally with such worthies, now no more, as decorate its halls in statue and painting and who have contributed thereto.

We also visited the secretary of the S. A. F., Wm. J. Stewart, in his den, looked in some of the retail places, not forgetting the man who stirred the florist world by that $30,000 Lawson carnation.

Also saw Wellesley and its, for this country, wondrous gardening display that Mr. Harris has just retired from, after almost a life's time of effort.

In our rides through the park systems we saw the grand arboretum and jovial Jackson Dawson, who is inseparable therefrom. What a day and a half in a buggy and a good horse before us.

As if this was not enough, Mr. Pettigrew, with the aid of Ex-President Wood and Mr. Keith, the celebrated theatre man, who placed his pleasure yacht at the disposal of a jolly party, of which the owner was one, arranged a cruise through the inland waters of Boston harbor and away to Marblehead, Mass., where Mr. Keith has a Summer home. Such a banquet as was served, graced by the presence of Mrs. Keith and a Miss Smith—oh, it was glorious. The others of the party were Jackson Dawson and a Mr. Clark, who has a hotel in Boston and a seaside home near Mr. Keith. An outer route by sea home ended the Boston visit.

We took the rail through the famed Berkshire Hills to old Albany, thence by the Hudson River railway back to New York.

Ess.

Massachusetts Horticultural Society.

The annual exhibition of plants and flowers by this society was held in Horticultural Hall, Boston, Wednesday and Thursday of this week, and a very good showing was made. As is usual, the upper hall was devoted to display of plants, while the cut flowers filled the lower hall.

The exhibits of plants were very fine, being the selection from the finest collections about Boston, and some excellent specimens were brought out.

Three very good collections of forty decorative foliage greenhouse plants were made by Mrs. John L. Gardner, Jason S. Bailey and Dr. C. G. Weld. These same exhibitors also showed collections of six plants and were entered in the classes for caladiums, crotons, dracænas, etc. Among other exhibitors in these classes who were successful were Col. Chas. Pfaff, W. H. Lincoln and E. J. Mitton.

Oakes Ames showed a collection of strangely spotted and marked seedling caladiums, and received a certificate of merit for a seedling Cypripedium Thorntonii var. Oakes Ames.

A. F. Estabrook sent in a collection of begonias and adiantums and Mrs. J. L. Gardner showed a few small Gesnera bulbosa.

The display of crotons by Messrs. J. S. Bailey, W. H. Lincoln and E. J. Mitton were exceptionally good.

In this hall also were arranged what few foreign grapes were shown. The quality was away ahead of any seen for some time, John Ash, gardener to Miss Eleanor J. Clarke, of Pomfret Centre, Conn., sweeping everything in the way of prizes with some wonderful fruit. Mrs. E. J. Cutter, L. M. Chase and F. W. Damon also showed a little fruit.

Here also Jas Comley made an extensive display of asters and cannas, and E. J. Mitton showed three pitcher plants.

Among the cut flowers dahlias formed the most important exhibits, the principal exhibitors being W. C. Winters, Lothrop & Higgins, H. F. Burt, W. G. Windsor, C. S. Pratt, W. H. Symonds and Mrs J. B. Lawrence. There were also nice displays of hardy lilies, tropæolums, marigolds, zinnias and dianthus in competition for prizes.

The Blue Hill Nurseries filled sixty vases with herbaceous perennials, and Carl Blomberg and Miss Alice L. Grinnell showed native plants in variety.

On Saturday, Sept. 15, the last Saturday show of the season will be held, and on Sept. 27th and 28th comes the annual exhibition of fruits and vegetables.

F. J. NORTON.

New York.

Trade Conditions.

Another week of warm weather has to be recorded, and the effects of it are very much apparent upon all flowers that are coming in. Roses particularly look way-worn and jaded in most cases, and the sooner we get a spell of cool weather the better will it be for the roses, and incidentally for those who have to grow and handle them.

During the early part of the week business seemed to revive a little. The opening of some of the theatres created an extra demand for certain lines, and, Monday being Labor Day, the street peddlers were induced to speculate heavier than has been their wont during the Summer months.

The aroused activity in the business was of short duration, however, for before the week was half gone, trade fell flat, and the flowers coming in are again very much in excess of what demand there is. American Beauty roses are becoming quite plentiful, but are mostly of the short-stemmed order as yet. Some Liberty also are arriving, but are not near the quality they will be later in the season, and those who are unacquainted with this rose will do well to reserve judgment upon it until it is seen at its best.

Carnations are not so much in evidence, but asters and gladioli are a glut, with very little call for any of them. Cattleya labiata has begun to arrive, and the blooms are very fine. Lily of the valley is not received in such large quantities as for some time past, consequently prices have been steadier and ruled somewhat higher.

Among the Retailers.

With the opening of the theatres on Monday, many made-up pieces were used and presented to favorites upon the stage. At one of the Brooklyn theatres a huge horseshoe created quite a sensation while passing down the aisle. The sensation came more from the odor of the piece than from its beauty, for it was a vegetable rather than a floral emblem, being made up with cabbages, turnips, etc., and finished off with onions. What sentiment there was in the emblem, the sender and the recipient alone know.

Jottings.

A five days' festival, with an industrial, horticultural and agricultural exhibition was opened last Sunday in Ridgewood Park by the Schwæbischer Volksfest Verein of Brooklyn. About ten thousand persons were present at the opening ceremony. Valuable cash prizes are to be awarded for flowers, flower beds, etc. The closing day is to-morrow, (Sunday) when the winners of the various prizes will be known.

Violet plants around Poughkeepsie, Rhinebeck and the Highlands are reported to be in excellent condition so far; and, if no drawbacks are experienced, heavy crops will be yielded shortly after cool weather arrives.

The regular monthly meeting of the New York Florists' Club will take place Monday evening the 10th inst., at 8 p. m., in the rooms corner 27th street and Broadway. Important business is on the docket, and every member should be in attendance.

Auction Sales.

John Scott's sale of decorative plants was held on Tuesday at his Keap street greenhouses, and was fairly well attended. W. J. Elliott was the auctioneer, and the stock offered was all in fine shape. Fairly good prices were the rule, most of the stock catalogued being disposed of satisfactorily.

R. Dryer, of Woodside, L. I., will hold his annual sale of palms and decorative plants at the greenhouses on Wednesday the 19th inst., at 11 a. m. J. P. Cleary is the auctioneer.

Matrimonial.

Wednesday evening Pauline G. Siebrecht, daughter of W. H. Siebrecht, of Astoria, was married to Harry H. Lorenz, also of Astoria. The spacious sheds of Mr. Siebrecht's establishment were cleared and elaborately decorated with oak boughs, greens, electric lights, etc., and after the ceremony, which was a church wedding, a goodly number of guests sat down to a hearty wedding dinner, and a general good time followed.

Wednesday morning John Scott, of Brooklyn, was married to Miss H. Harper, also of Brooklyn. The wedding took place at her residence, 203 South Fifth street. The wedding was early, and the couple left on the Empire State Express for a ten days' trip, which will take in

Buffalo, Niagara Falls, Toronto and the Thousand Islands.

John is well known to the trade of this city, and every one will wish him luck in double harness.

Personals.

Mr. and Mrs. August Rhotert returned on the S. S. Columbia, arriving August 31st, in good health, after a two-months' sojourn in Europe.

Mr. Geo. Groenewegen has arrived from Europe, and will make a tour of the trade in the interest of the Syndicate of Belgium Plant Growers, whose sole representatives in this country are Bobbink & Atkins, of Rutherford, N. J.

Thos. Young, Jr., arrived from England last Saturday on the S. S. Campania. Mr. Young is in excellent health and has had a delightful time, taking in the Paris Exposition and other places of note during his stay abroad.

A. Dimmock, representative of F. Sander & Co., St. Albans, England, arrived in the city on Saturday last.

W. H. Gunther arrived home Thursday, after spending several weeks with his family in the Berkshire Hills.

Baltimore.

Cut flowers of good quality are scarce. The retail market is exceedingly dull.

County Fair.

The Baltimore County Fair was opened on the 4th. A few good exhibits, notably those of Mr. P. W. Bender, were entered for the flower and plant department. Commercial florists don't seem to pay any attention to this fair, though, no doubt, the horticultural section could be made a very pretty feature of the show.

The General Horticultural Exhibition

Which is planned to take place next Summer, from May to October, is attracting a good deal of attention and many friends. It will be principally a landscape exhibition; but a fine Spring and Fall show of potted plants and floral decorations will be the opening and closing events, and during the Summer months a few special shows will be held for the exhibition of flowers, fruits, vegetables, etc., which may be in season. Of course, there are those who predict a failure—still our best men and society is for the exhibition.

Herewith is the text of a circular issued by the secretary:

Baltimore, Sept. 1, 1900.

A meeting was held on Friday, August 31st, to consider the steps necessary for the organization of a "General Horticultural Exhibition, which it is proposed shall be held next year in Baltimore.

Mr. John Cook was elected temporary chairman and Mr. Theo. Eckardt secretary. Two special committees have been appointed to study the matter under consideration, and will make their report to a second meeting, which will be held on Sept. 13th.

The first committee is to study the technical features of the exhibition, the selection of the ground, the plan and program of the show, the premium list, the expenses, etc.

Messrs. Ed. A. Seidewitz, Isaac Moss, Chas. L. Seybold and Theo. Eckardt are serving on this committee.

The other committee will have to study the possibility of organizing a permanent "Horticultural Society," or of reviving the former "Maryland Horticultural Society."

Messrs. John Cook and Paul W. Bender were appointed, and Mr. Wm. B. Sands, who was not present at the meeting, will be asked to serve on this committee. Both Messrs. Cook and Sands have been very active members of the old Maryland Horticultural Society, and it is hoped that their personal appeal will win all the surviving members to support its re-organization.

The members present at the meeting were very enthusiastic, and the attendant circumstances certainly augur well for the consummation of the project.

A number of influential Baltimoreans have been approached privately, and it is the universal sentiment that the project of the show, as well as the revival of the Horticultural Society will meet with general approval and substantial assistance.

The Electric Park has been proposed as the most favorable place to hold this show. It has many advantages; the twenty acres of ground and the large Casino building could accommodate a goodly number of exhibits. The situation is an ideal one; the car service is perfect, and besides, it has a superb water supply and a fine electric lighting plant. Mr. Fenneman, who personally is much pleased with the plan, thinks that definite arrangements very favorable to the show committee could be arrived at.

The financial side of the scheme presents no difficulty, as a small admission fee of 10 or 15 cents would amply provide for the expenses involved; but it is thought advisable that a guarantee fund of about $4,000 should be raised. First of all it would give the undertaking absolute security, but at the same time it would present a feature of propaganda for it. The guarantors, it is thought, could at the same time be enrolled as members of the permanent society.

At the next meeting a permanent organization will be formed, and practical work will then be begun.

THEO. ECKARDT, Secretary.

Notes.

Mr. Widemann, representing A. Hermann was recently in town. He is still under the inspiration of that grand Convention meet, and his pencil has been kept busy ever since with orders.

The Carnation Convention Committee has selected Lehmann's hall for the meeting and exhibition, and reports good progress in all arrangements.

Mrs. Mary Thomas returned from Europe per S. S. Campania. T. E.

Orange, N. J.

New Jersey Floricultural Society.

The opening of the floral season was marked by what has now become an annual smoker by the New Jersey Floricultural Society at its rooms in Orange.

In the business meeting preceding the social portion the society decided to make the Fall exhibition again complimentary to its friends and the flower-loving public and to hire a larger hall to accommodate the expected increase from the exhibit of the school-children's work. This and further details were given to the exhibition committee after pledges were received from nearly all present to contribute to the exhibition.

Besides the musical and dramatic portion of the evening, provided by the committee, the audience insisted upon hearing once more the old favorites, and George Smith was heard in "The Tinker's Weddin' O!" and "My Dad's Dinner Pail;" Dave Rose gave "Bonny Dundee," and John Hayes, "Annie Laurie." The president, Peter Duff, was beguiled into singing "'Twas Twenty Years Ago," and this was considered the event of the evening by those who accomplished it, as Mr. Duff can rarely be drawn out. The affair terminated only when the talent was exhausted.

Notes.

Malcolm MacRorie, of South Orange, and treasurer of the New Jersey Floricultural Society, is solicitous for his wife now on the ocean from Glasgow, the papers having quickened his apprehension in regard to the plague now in that city and as regards possible quarantine here.

W. A. Manda's place at South Orange still bears the festive appearance given it for the visitors from the S. A. F. Convention.

Dave Rose, of Montclair, was prevented from reaching the Convention by an accident to the benches in one of his houses.

Local trade is dull, many florists are busy clearing up and stocking for Fall business.

Jos. A. Manda contemplates opening a store in Summit next week.

J. B. D.

St. Louis.

Business Dull.

Trade is rather dull, even for Summer; we think the Summer business is getting worse all the time. Possibly it is because the people have more money the last year or two, and can now afford to get away. In this we cannot blame them, as our weather is not generally of the mountain or seashore kind, and we would be quick to do the same, circumstances permitting. Stock is on the up grade; carnations have improved considerably of late and there are plenty of them, especially white, that sell at 75c. to $1 per 100. Roses are slightly better, but in rather short supply; the select Kaiserins bring 5c. each; not many to be had; the next best are Bridesmaid, worth from 2c. up. Asters are of better quality, and sell from $1 to $1.50 per 100; plenty of single tuberoses at 4c.

Notes.

Some of those who attended the New York Convention have returned, and are loud in their praise of the superb decorations of the hall, and of the hospitality and generous treatment of the New Yorkers.

Charlie Kuehn seems rather leary of hot places since he attended the bowling tournament.

W. J. Hesser, Plattsmouth, Neb., was a recent visitor.

Shaw's Garden.

Sunday last was the second open Sunday at Shaw's Garden; the attendance was estimated at 15,000 people. To the general public the most attractive feature was the display of roses, in which the management have reached the highest degree of perfection obtainable in this climate.

The special features were the South American Paw Paw trees in full bloom, which will soon have fruit; the water lilies, of which the collection is second to none, were at their best, and are said to have the deepest color of any yet produced, and the Brazilian caladiums and orchids, said to be the best and most expensive collection in the country. Other noticeable things were the soldiers' blooming grass, from California and Mexico, and the tamarinds, of which the garden has a very fine variety, and the display of foliage begonias, which exceeded the famous display at the World's Fair in beauty and extent.

C. C. S.

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American Floriculture, Retrospective and Prospective.

Read by Professor B. T. Galloway, before S. A. F. Convention, at New York, August 22, 1900.

It is sixteen years since the Society of American Florists was organized, and during this comparatively short period changes have taken place which viewed collectively have had a marked effect on the welfare of every member. The daily happenings in our lives, whether it be at home or in business, come to us in such a way as to make little conscious impression. They nevertheless mold us and direct us, and for this reason it is wise to pause once in a while and look back on the aggregate results in order to be able to more intelligently guide our future course. With this object in view, we invite your attention to some of the more important events of the past century as affecting the development of the florists' business, hoping that such a review, brief as it must necessarily be, will help toward a better understanding of what must be done in the future to keep floriculture in the front rank of horticultural pursuits.

A hundred years ago floriculture as we now understand it was practically unknown in this country. Here and there were pioneers, who, in addition to following various horticultural pursuits, paid some attention to the cultivation of flowers. The early work, however, was carried on more for the purpose of gratifying a love for the beautiful than to reap pecuniary benefit. From the earliest times gardening has been a favorite pastime, and long before there was anything like a commercial tendency to the work, interest in it was kept up through an inherent desire to come into contact with nature.

Naturally the beginning of the work here was associated with the development of certain cities. The greater part of the wealth of the country was collected at such places, and better opportunities were thus afforded for the development of such an industry as the one we have under consideration. The city of Philadelphia was early favored in this respect, and for this reason, and also on account of its comparatively mild climate, it attracted gardeners and others interested in horticultural work from all parts of the world. Boston and New York were also early centers of floricultural work, and many of the first pioneers made their start at these places.

The rigorous climate of the New World necessarily required that special attention be given to the use of glass houses for the growth of many plants, and thus was early set in motion the forces which have had so much to do with the successful growth of the work here. The early greenhouses were necessarily crude affairs, but they served their purpose and were the links which made better work possible. In most cases only the sides and ends of the greenhouses were of glass, the glass being in very small panes, set in heavy frames of wood. Heating was for the most part effected by means of hot air carried into or through the houses by bricks or other similar devices. Such were the majority of the houses erected up to about 1825, when there began to appear a more marked interest in architectural effects and improvements in other directions. The demand for plants, flowers and seeds was rapidly increasing at this time, largely owing to the more settled condition of the country, which afforded men of wealth an opportunity to turn their attention to the beautifying of home grounds and public parks.

Throughout the development of floriculture and other branches of horticulture in this country, home adornment or amateur work preceded the commercial. It is a fact that wherever the cultivation of flowers as a means to the adornment of the home or to public parks and other places is encouraged there soon arises a sufficient demand for flowers to warrant the investment of money in growing them for commercial purposes. Horticultural societies and other allied organizations have therefore played an important part in the development of commercial work. It is often through their efforts that interest is aroused and stimulated until eventually a whole community feels the benefit.

The early development of floriculture is so intimately connected with other horticultural industries, such as the selling of seeds, plants and flowers, that it is difficult to separate one branch from the other and follow the development of any one alone. The selling of seed was naturally an early established industry, but years elapsed before the seed seller found it worth while to handle flowers. By 1840, however, there was considerable demand not only for flowers, but for plants also, and to meet this numerous establishments sprang up at various places. Thus we read in one of the current horticultural journals that "Boston and vicinity is making considerable progress in floriculture. The establishment of a public garden in connection with a conservatory is having a tendency to diffuse a taste for plants." At this time (1840) there were a number of important establishments near Boston, New York and Philadelphia, and there were considerable areas of glass, devoted largely to the growing of camellias, azaleas, rhododendrons, fuchsias, pelargoniums, and to some extent roses.

The introduction at about this time of hot water into greenhouse construction gave a decided impetus to the work, and progress along many lines was rapid. For the next ten years floriculture flourished. The rose was rapidly coming into use and the cut flower business was growing. In 1852 a horticultural writer in Hovey's Magazine says: "Many establishments containing greenhouses and forcing beds, more especially for the production of flowers for bouquets, have sprung up in the upper part of New York city." Reference is made to Mr. T. Dunlap, of Harlem, and the immense quantity of flowers, particularly roses and violets, that he grew for his New York store on Broadway. In another place it is mentioned as a matter worthy of note that one store in New York had disposed of several hundred dollars' worth of plants and flowers during the holiday trade.

By 1860 the business had developed considerable importance. Stores in a number of cities were beginning to more and more make plants and cut flowers a specialty. The rose continued to grow rapidly in importance, and various bulbous plants, such as gladiolus, Japan lilies, etc., were receiving marked attention. Greenhouse construction had kept pace with other improvements, and comparatively well-lighted, well-heated and well-ventilated structures were taking the place of sash roof houses, in which wood predominated and good light and proper heat were out of the question. By this time the rose, as a flower for bouquets and other purposes, was beginning to supersede the camellia. Little attention was given to growing the rose, however, as a distinct crop. As a rule it was found in houses with other plants, the varieties grown being Lamarque, Bon Silene and one or two others, and these were planted about in odd places, either in the ground or in pots, the flowers being utilized whenever they were marketable.

At the breaking out of the Civil War horticultural work was in a large measure checked, and matters remained pretty much at a standstill until about 1872, at which time there were several thousand florists in the United States. The carnation began to receive attention about this time, owing to several importations made into the United States from Europe. Up to this period all the work had been carried on with little reference to specialization. It was the common practice to grow many different kinds of plants in the same house, and not only were the crops grown for the plants themselves, but were also forced for cut flowers. With the increasing demand for both plants and flowers, which began to be especially noticeable between 1873 and 1875, came the necessity for giving more particular attention to individual crops. Thus commenced the first movement leading to specialization. From this time on the progress of the work was rapid, but as the events have all taken place within our memories it is unnecessary to dwell upon them in detail here. Suffice it to recall the era of plant growing, which lasted for a few years and was followed by a rush to get into the cut flower business. Many of the large plant establishments were modified so as to be able to give their entire time to the cut flower business. The rose received special attention, and there followed a rapid development in growing this crop. Solid beds gave place to benches, and special forms of houses were developed as best suited the needs of the crop. The carnation was a close second to the rose in the matter of importance, and a history of its development would make an interesting paper in itself. The same is true of the violet, which in the early days was grown almost exclusively in frames, but owing to keen competition the frames were soon found inadequate and sunken pits were substituted. From the sunken pit was gradually evolved the modern violet house found at the present time.

Gradually the general gardener is disappearing and the specialist is taking his place. The carnationist, the rose grower and the violet grower find it necessary to devote their entire attention to their respective crops if the best results are to be obtained.

With these various changes came the establishment of large retail stores and commission houses, all so organized as to be able to handle the great quantities of flowers and plants produced by the growers themselves. The importance and need for organization brought into being this society, and the demand for closer union developed the trade journals, small at first, but growing and waxing strong as the years pass by.

A careful survey of the field at the present time leads us to believe that there are now in the United States between nine thousand and ten thousand establishments engaged in the growing and selling of plants and flowers in a commercial way. There are, in addition, many hundreds and perhaps thousands of individuals scattered over the country who sell small quantities of flowers and plants either at their own homes or in other places, but these can hardly be regarded as conducting commercial establishments, although the aggregate amount of glass they control is no doubt considerable. In order to get a satisfactory basis for the figures which follow we have tried to reach every commercial florist in the United States and to obtain from them data on the amount of glass controlled, kind of crops grown, etc., as would enable us to draw reliable conclusions in regard to the present status of floriculture. This work has been supplemented by personal studies and observations in many sections, and as a result information has been secured which is believed to be reliable as far as it is possible to make it at the present time. At best, however, it must be understood that the figures given are tentative, and with the carrying out of more thorough plans, for which the present work opens the way, they may be materially changed.

The total area of glass in the United States is estimated at from 22,500,000 to 30,000,000 square feet, the largest number of square feet being found in the States of New York, Illinois, Pennsylvania, Massachusetts, Ohio and New



A View of the Trade Exhibit, New York Convention, S. A. F. O. H.

Jersey, in the order named. New York is accredited with twelve hundred establishments and 4,500,000 square feet of glass; Illinois with eight hundred establishments and 4,250,000 square feet of glass; Pennsylvania with about nine hundred establishments and 4,000,000 square feet of glass. The development of the business has been more rapid in Illinois, principally in the vicinity of Chicago, than anywhere else, and if present conditions continue it will be only a few years when Illinois as a State and Chicago as a city will lead the country in the amount of stock grown and handled. On the basis of 22,500,000 square feet of glass, the following estimates have been made and published in the last Year Book of the United States Department of Agriculture:

(Mr. Galloway here repeated the statistics which have already appeared in these columns. See page 546, issue of May 26 last.)

It may not be out of place now to briefly point out some of the lines along which floriculture seems likely to develop during the coming years. I think all will agree that much is yet to be accomplished in the way of improving business methods in conducting this work. We have been especially struck with this fact in our efforts to get data which would be of value in connection with the figures already quoted. The producer of plants—be he farmer, fruit grower, or florist—as a rule does not consider it necessary to apply to his work the ordinary practices followed in the world of business. The reasons for this become apparent on considering the position in which the plant grower is placed with reference to the manufacturer and storekeeper. The grower of plants is at all times required to assume great risks—in fact, the risks as a rule, are so great as to preclude anything in the nature of mathematical precision in the matter of calculating profit and loss. It must be said, however, that this statement does not hold true so strongly in greenhouse work as it does in outside horticultural pursuits. With the increased facilities for growing plants under glass and the specialization that is rapidly coming about, the risks are becoming less at the same time competition is becoming keen. It behooves every man, therefore, who is looking forward to obtaining the highest success in his work to adopt every honorable means to increase production and decrease expenses. This can be done only by the closest attention to business methods, leading first of all to a thorough knowledge of every detail as to the cost of production. We have found it almost impossible to get any authentic figures upon the last named subject. Very few men know what it actually costs to produce stock, as no systematic attempts are made to obtain facts in regard to this matter. As to the cost of houses and other equipment, there is, as a rule, very little available information on hand.

These statements are not made in a spirit of criticism, but are brought out simply to call attention to a matter which will undoubtedly disappear with the improvements going on in all directions in connection with this work. We have no doubt that much could be accomplished in this direction through organization of the florists throughout the country, for at present only a small percentage belong to anything in the nature of an organization. It would seem of the highest importance, therefore, to put forth every effort in the matter of not only strengthening this society, but developing local and special organizations, which would have for their object not only the improvement of the members, but the encouragement of all lines of horticultural work in their respective communities.

We have already pointed out the importance of horticultural societies in the early development of this work, and suggested that what was true of them at that time holds true of such organizations now. The societies can arouse an interest in floriculture by meetings, exhibitions, and in other ways, which will be felt by those who are looking to the commercial aspect of the case. We believe that this society could do a vast amount of good by encouraging the organization of florists' clubs and local organizations everywhere, not with a view of making them in any way tributary, but on the other hand to have them develop as strong independent bodies along general lines, which the Society of American Florists could in its present position direct. Such organizations could do much toward the establishment of public parks and the general adornment of the home. The great work that is under way in the city of New York is a sample of what might be done on a smaller scale in other places, and what will no doubt finally result in benefit not only to the people as a whole, but to the florists in particular in the matter of bringing about a greater love for flowers and an appreciation of what they stand for in our everyday life. I refer to the establishment of the New York Botanical Garden and the efforts being made to bring this enterprise in touch with horticultural interests along bread lines.

In the future the tendency will undoubtedly be to specialize more and more. This will be made necessary by the growth of competition, requiring the very highest products of the soil. With greater specialization will come closer attention to every detail of the business and a higher appreciation of many little things which are now allowed to pass as a matter of course. The Society of American Florists can do much to shape this work, and we trust it may long survive to carry it on.



Begonia Gloire de Lorraine as a Hanging Basket Plant.

Begonia Gloire de Lorraine as a Hanging Basket Plant.

Our illustration shows the adaptability of Begonia Gloire de Lorraine as a hanging basket plant. The specimen was one of a pair exhibited by Alex. Ogg, gardener to Frank W. Andrews, Esq., Newport, R. I., at the last Fall show of the Newport Horticultural Society. Should the new white-flowered variety "Caledonia," prove to be as good as the pink one, it, too, will be a grand acquisition.

The basket of Begonia Gloire de Lorraine was one of several grown by Mr. Ogg last Winter. Wire baskets were used, lined with moss, the little plants being put through the meshes of the wire in planting. Mr. Ogg finds no trouble whatever in growing this begonia.

MAC.



(180) **Plant For Name.**—Brooks Sisters. The plant is a species of Ipomoea; which one it is impossible to tell from the material sent.

(181) **Lilies for Border.**—I have a border along the east side of the house that I want planted with hardy lilies, what kinds would you propose and how many; border 18 x 2½ feet.—P. O.

—The lily border, 18 x 2½, will require three rows of bulbs to fill it nicely; these should be about 10 inches apart in the row, making 60 bulbs needed altogether. If white flowers are wanted, get Lilium candidum; if colors are preferred, get varieties of Lilium speciosum.

(182) **Callas, in Beds on Raised Benches.**—Would you advise planting Calla Æthiopica bulbs in beds on raised benches. I have all of mine planted that way now, and I want to plant a few more.—G. P.

—The callas will do just as well, or better, planted on the benches, and we would not hesitate in planting the rest of the bulbs in this way.

(183) **White Flies on Abutilons.**—About three weeks ago I noticed a number of very small white flies about the abutilons and asters, inside; I have given various treatment, particularly tobacco smoke; have spoiled some varieties of plants, while the fly seems to thrive and multiply. Can you or any reader suggest an effective remedy?—H. H.

—The small white fly is probably thrip, and we would advise syringing with an emulsion made either with whale oil soap or fir tree oil.

(184) **Water Lime.**—Will you please explain to me what is meant by water lime, which Mr. Carmody uses around the posts in connection with cement. Is it what we call about here lime slaked in water such as bricklayers use? I have before now seen the name hydraulic lime or the same purpose. Is all that the same thing?—J., PHILA.

—Water lime, hydraulic lime and cement are all identical with each other. When cement is mixed with sand and water, then it becomes a water lime, the name having originated probably from the fact of its being waterproof.

(185) **Shipping Galax Leaves to Europe.**—Can I ship galax leaves direct to Europe via Hamburg steamship line and all charges be paid by parties in Germany, or would I have to pay the freight to New York before they could be placed on board steamer?—W. H.

—Freight on galax leaves from Hoboken to Hamburg, Germany, is 12 cents per cubic foot, minimum $3.60, and all the freight and charges on same would have to be prepaid.

We can only carry same on the freight steamers of our line; that is, on the Saturday boats.

Our charge for handling the shipment here is $1.10, in addition to all other charges incurred.—HAMBURG-AMERICAN LINE.

BRIEFS FOR BUSY FLORISTS.

CHRYSANTHEMUMS.—Where fumigating is done to keep down the green and black fly, a little extra care in burning the tobacco should be exercised about the time the buds are forming. An overdose of smoke will sometimes injure the small buds, especially if the plants are on the dry side during the smoking.

COLEUS.—Take the main batch o cuttings now; they need no bottom heat to strike in, and can be put right on the sand bed in the greenhouse. Shade during the day, keep the sand moist, and they will, in a few days, be rooted, and may then be transplanted into flats, which is the most convenient way to handle them until such time as they have to be potted up and grown along to produce cuttings for next Summer's stock.

Cuttings of ivy-geraniums, abutilons, vincas, etc., should be taken as soon as possible. If the stock of any of them is at all limited provision should be made to lift the old plants and pot them up before the season closes.

LILIES.—After the Harrisii bulbs are potted and put away until growth starts, do not cover them over with fresh manure; this is the worst thing that can be done to them, as fresh manure will help to develop disease should the bulbs be the least tainted with it. If the pots of bulbs are in a shed or under a bench in the greenhouse, a covering of papers is just as good as can be had. Too much water is another danger that should be guarded against; the lilies will grow much more satisfactorily if kept a little on the dry side, rather than always soaking wet, though, of course, they should never be allowed to wilt for want of water.

Columbus, O.

E. L. Charles has had good success in blooming lilac twice in one year. A year ago Mr. Charles had a bunch at the Ohio State Fair, and a bush, with five double bunches, can be seen in his yard at the present time.

J. B. Heiss, of Dayton, was a caller last week.

Mr. Ludwig has returned from the Florists' Convention.

Miss Charles has returned from a visit to Newark, Ohio.

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Roses	A. Beauty, fancy—special	10.00 to 25.00	12.50 to 20.00	20.00 to 30.00	.... to	20.00 to 30.00
	" extra	5.00 to 10.00	6.00 to 10.00	12.00 to 25.00	.... to	15.00 to 20.00
	" No. 1	3.00 to 5.00	4.00 to 6.00	8.00 to 20.00	.... to	8.00 to 12.00
	" Culls & ordinary	.50 to 1.00	1.00 to 4.00	5.00 to 10.00	3.00 to 6.00	.... to ....
	Bride, 'Maid, fancy—spec'l	3.00 to 4.00	.... to 6.00	4.00 to 5.00	.... to	.... to ....
	" extra	2.00 to 3.00	.... to 4.00	3.00 to 4.00	.... to	6.00 to 7.00
	" No. 1	1.00 to 2.00	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	4.00 to 6.00
	" No. 2	.25 to 1.00	1.00 to 2.00	1.00 to 1.50	.... to 2.00	2.00 to 4.00
	K. A. Victoria	3.00 to 6.00	3.00 to 8.00	2.00 to 6.00	2.50 to 5.00	2.00 to 6.00
	La France	1.00 to 3.00	.... to	2.00 to 6.00	2.50 to 4.00	.... to ....
	Meteor	1.00 to 4.00	2.00 to 3.00	2.00 to 6.00	.... to 3.00	2.00 to 6.00
	Papa Gontier	.... to	.... to	.... to	.... to 2.00	.... to ....
	Paris	1.00 to 2.00	1.00 to 4.00	2.00 to 4.00	2.00 to 3.00	2.00 to 3.00
	Souv. da Wootton	.... to	.... to	.... to	.... to	.... to ....
	ORCHIDS—Cattleyas	25.00 to 35.00	.... to	.... to 50.00	.... to	.... to ....
	Cypripadiume	.... to	.... to	.... to	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	.50 to .75	.50 to	.35 to .50	.50 to .6	.... to .50
	Standard Varieties White	.50 to .75	.... to .50	.75 to 1.50	.... to	.50 to 1.25
	Standard Varieties Pink	.50 to .75	.50 to 1.00	.75 to 1.50	.... to	.50 to 1.25
	Standard Varieties Red	.50 to .75	.50 to 1.00	.75 to 1.50	.... to	.50 to 1.25
	Standard Varieties Yel.&Var	.50 to .75	.50 to 1.00	.75 to 1.50	.... to	.... to ....
	*Fancy— White (*The highest grades of standard var)	1.00 to 1.25	.... to 1.00	1.25 to 1.50	.... to	.... to ....
	*Fancy— Pink	1.00 to 1.25	.... to 1.00	1.25 to 1.50	.... to	.... to ....
	*Fancy— Red	1.00 to 1.25	.... to 1.00	1.25 to 1.50	.... to	.... to ....
	*Fancy— Yel.&Var	1.00 to 1.25	.... to 1.00	1.25 to 1.5	.... to	.... to ....
	Novelties	1.00 to 1.25	1.00 to 1.50	.... to 2.00	.... to	.... to ....
	Adiantum	.50 to .75	.... to .50	.75 to 1.0	.... to 1.00	.75 to 1.25
	Asparagus	35.00 to 40.00	30.00 to 50.00	30.00 to 50.00	25.00 to 75.00	50.00 to 60.00
	Asters	.25 to .50	.20 to .50	1.00 to 2.00	.40 to 1.50	.40 to 1.52
	Callas	.... to	.... to	.... to	.... to	.... to ....
	Daisies	.... to	.... to	.... to	.... to	.... to ....
	Gladiolus	.75 to 1.50	3.00 to 6.00	.... to	2.00 to 3.00	1.00 to 3.00
	Iris	.... to	.... to	.... to	.... to	.... to ....
	Lilies	1.00 to 2.00	2.00 to 2.50	2.00 to 4.00	2.50 to 6.00	4.00 to 6.00
	Lily of the Valley	1.00 to 1.50	1.50 to 4.00	3.00 to 4.00	.... to	3.00 to 4.00
	Mignonette—ordinary	.25 to 1.00	.50 to 1.00	.... to	.... to	.... to ....
	" fancy	.... to	.... to	.... to	.... to	.... to ....
	Smilax	6.00 to 10.00	.... to 10.00	10.00 to 15.00	.... to 15.00	10.00 to 20.00
	Sweet Peas	.10 to .25	.10 to .20	.... to	.... to	.... to ....
	Tuberoses	3.00 to 4.00	.... to	1.00 to 4.00	.... to 6.00	.... to ....
	.....	.....	.....	.....	3.00 to 4.00	2.00 to 3.00

For Prices of Fancy and Special Stock see our Correspondence Columns.
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...Wholesale Prices of Cut Flowers...

	Names and Varieties	Chicago Aug. 15, '00	St. Louis Sept. 3, '00	Cincinnati Sept. 5, '00	Milwaukee Sept. 3, '00	Pittsburg Aug. 28, '00	Toronto Sept. 6, '00
Roses	A. BEAUTY, fancy—special	16.00—20.00	....—	....—	20.00—25.00	20.00—25.00	....— ....
	" extra	12.00—15.00	....—	....—	12.50—15.00	11.00—15.00	....—20.00
	" No. 1	8.00—10.00	5.00— 8.00	....— 6.00	6.00—10.00	5.00— 8.00	....—15.00
	" Culls & ordinary	2.00— 3.00	....—	....—	4.00— 6.00	2.00— 4.00	....— 5.00
	Bride, Maid, fancy-spec'l	....—	....—	2.00— 4.00	....— 6.00	....— 6.00	....— ....
	" extra	3.00— 5.00	....—	....— 4.00	....— 4.00	....— 4.00	1.00— 6.00
	" No. 1	2.00— 4.00	2.00— 3.00	....— 3.00	....— 3.00	....—	1.00— 6.00
	" No. 2	....— 1.00	1.00— 1.50	....— 2.00	....— 2.00	....— 2.00	1.00— 4.00
	K. A. Victoria	2.00— 5.00	3.00— 5.00	....—	4.00— 6.00	4.00— 6.00	....— ....
	La France	....—	....—	....—	....—	....—	....— ....
	Meteor	2.00— 4.00	2.00— 4.00	2.00— 4.00	4.00— 6.00	2.00— 4.00	1.00— 6.00
	Papa Gontier	....—	....—	....—	....—	....—	....— ....
	Perle	2.00— 3.00	2.00— 3.00	2.00— 3.00	3.00— 4.00	....—	1.00— 4.00
	Souv. de Wootton	....—	....—	....—	....—	....—	1.00— 6.00
	ORCHIDS—Cattleyas	....—	....—	....—	....—	....—	....— ....
	Cypripediums	....—	....—	....—	....—	....—	....— ....
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	Inf'r grades, all colors	.40— .50	.50— .75	.35— .50	....— 1.00	.50— 1.00	.30— .75
	STANDARD VARIETIES White	.75— 1.00	....— 1.00	.50— .75	....— 1.00	....— 1.00	1.00— 2.00
	STANDARD VARIETIES Pink	.75— 1.50	....— 1.00	.50— .75	....— 1.00	.50— 1.00	1.00— 2.00
	STANDARD VARIETIES Red	.75— 1.50	....— 1.00	.25— .50	....— 1.00	.50— 1.00	1.00— 2.00
	STANDARD VARIETIES Yel.&Var.	.75— 1.00	....— 1.00	....—	....— 1.00	....—	1.00— 2.00
	*FANCY— White	....—	....—	....—	1.50— 2.00	1.00— 1.50	....— ....
	*FANCY— Pink	....—	....—	....—	1.50— 2.00	1.00— 1.50	....— ....
	*FANCY— Red	....—	....—	....—	1.50— 2.00	1.00— 1.50	....— ....
	*FANCY— Yel.&Var.	....—	....—	....—	1.50— 2.00	1.00— 1.50	....— ....
	(*The highest grades of standard var) NOVELTIES	....—	....—	....—	....—	....—	....— ....
	ADIANTUM	.40— .75	....—	.50— 1.00	.75— 1.00	....— .75	.40— .60
	ASPARAGUS	40.00—50.00	....—	....— 2.00	35.00—50.00	....—50.00	....—50.00
	ASTERS	.15— 1.50	.75— 2.00	.25— 1.00	....—	.50— 2.00	.40— 1.50
	CALLAS	....—	....—	....—	....—	....—	....— ....
	DAISIES	.10— .15	....—	....—	....—	....—	....— ....
	GLADIOLUS	1.00— 3.00	....—	....—	....—	1.00— 3.00	1.50— 4.00
	IRIS	....—	....—	....—	....—	....—	....— ....
	LILIES	4.00— 8.00	....—	....—	....—15.00	2.00— 5.00	5.00— 7.00
	LILY OF THE VALLEY	3.00— 4.00	....—	....— 4.00	....—	2.00— 4.00	....— ....
	MIGNONETTE—ordinary	....—	....—	....—	....—	....—	....— .50
	" fancy	....—	....—	....—	....—	....—	....— ....
	SMILAX	6.00—10.00	10.00—12.50	....—15.00	....—15.00	....—15.00	....— ....
	SWEET PEAS	.10— .20	....—	....—	....—	....—	.15— .40
	TUBEROSES	4.00— 6.00	3.00— 4.00	2.00— 3.00	....—	....—	....— ....
	....	.....	.....	.....	.....	.....	.....

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500 Bridesmaid Roses, 3-in., good stock, at $4.00 per 100; the 500 for $18.00 cash.

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	Per 100		Per 100
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" Sprengeri, 2 in.	3 00	" " 3 in " "	3 50
" " 2¼ in.	4 00	Vinca, 2¼ in.	$3 00
Baby Primrose, 2¼ in.	4 00	" 4 in.	10 00
Begonia Rex, rooted cuttings	2 00	Vinca, rooted cuttings	1 25
Forget-me-not, " " (winter)	2 00	" " "	$10.00 per 1000

3 in. 5 00
5 in. 15 00

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Improved Chinese, ready for 3 in. pots. Well-known as the finest large-flowering fringed varieties grown. **Singles,** mixed, $2.00 per 100; **Doubles,** mixed, $3.50 per 100.

Cyclamen Giganteum. Strong and fine, out of 3's, $4.00 per 100.
Extras added to help pay expressage.

FINEST GIANT PANSY SEED.

The very best of mammoth varieties; no finer ever offered; all the seed plants critically selected. **Sow the Best.** Packet, 3500 seeds, $1.00; half pkt., 50cts. A packet of the grand new dwarf Forget-Me-Not, "Blue Beauty," added to every seed order. Strictly cash prices.

The Home of Primroses, **JOHN F. RUPP, Shiremanstown, Pa.**

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BROWALLIA GIGANTEA (True.) 2½ in. pots, $3.00 per 100. Rooted Cuttings, $1.50 per 100.

HENRY EICHHOLZ, Florist, **Waynesboro, Pa.**

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25,000 SMILAX That will grow and make strings this fall. From 2 inch pots, $1.50 per 100; $13 00 per 1000. From flats, by mail, 50c. per 100; $4.00 per 1000 Send for samples.

CASH WITH ORDER.

FRED BOERNER, Cape May City, N. J.

VERBENA KING

Our specialties in Rooted Cuttings will be Verbenas, Coleus, Petunias, Fuchsias, Heliotropes, Ageratum, Geraniums, and other stock, all of the best named varieties. Orders booked for the above now, and express prepaid.

SMILAX Strong plants, $1.25 per 100; $10.00 per 1000.

C. HUMFELD, - Clay Center, Kansas.

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STOCK THAT WILL PLEASE

ROSES, Meteor, Bride and Maid, strong, 3½ in. pots, $4.00 per 100.

ASPIDISTRA, Green, $5.00 per 100.
" Variegated, $8.00 per 100.

SMILAX, strong, 2 in., $1.50 per 100.

JERUSALEM CHERRY, 2 in., $1.50 per 100.

FICUS, top cutting, fine, $18.00.

A. C. FEHR, Belleville, Ills.

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ORCHIDS

Arrived fresh from the woods in fine condition. **Lælia Anceps, L. Autumnalis, L. Crispa, L. Flava, L. Grandis, Tenebrosa, L. Perrinii, Cattleya Percivalliana,** and **C. Mossiæ.**

CORRESPONDENCE SOLICITED.

LAGER & HURRELL, Summit, N. J.

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60,000 DAHLIAS

For Fall Delivery.

All the best and newer varieties. Stock first-class. Prices right.

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GIANT DOUBLE ALYSSUM 3 inch pots, $3.00 per 100.

Field-Grown CARNATIONS Wm. Scott, Fisher, Liberty, Duke of York, Annie Pixley, Lois Haettal, Eldorado, $3.00 per 100.

VIOLETS Campbell, field-grown clumps, $3.00 per 100; 2½ in. pots, $2.50 per 100.

SMILAX 2¼ inch pots, $2.25 per 100.

Clean, Healthy, A No. 1 stock. Cash with order, please.

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J. E. FELTHOUSEN,

Rooted Cutting Specialist,

SCHENECTADY, N. Y.

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Clark, Morel, Adams, Whilldin, Lincoln, Niveus, Lager, Gasteller, Wanamaker, Mutual Friend, Dawn, Tuxedo, Woodford, Invincible, Maud Dean, The Barriot, Wedding, G. Pitcher, Dorner, Merry Monarch, Yellow Monarch and Yanoma,

2½ inch, $2.00 per 100.

Cash with order.

A. A. WHITBRED, ALTOONA, PA.

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PRIMULA CHINENSIS

In six colors, mixed, strong plants, out of 2 in. pots, $2.00 per 100. Out of 3 in. pots, $3.00 per 100.

PANSY PLANTS

Cassier and Trimardeau, large flowering, 35 cts. per 100; $3.00 per 1000. (Cash with order.)

H. STAHLHUT, New Lots Road and Shepherd Ave. BROOKLYN, N. Y.

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THE MORRIS FLORAL CO.,

WHOLESALE GROWERS OF

Plants and Rooted Cuttings,

MORRIS, ILLINOIS.

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Pittsburg.

The past week's trade was rather quiet, not much of anything doing, even funeral work was scarce. Stock of cut flowers is not choice, but abundant enough for the demand; asters are fair and in good supply; gladioli are not as good as last year; roses are coming in better and command fairly good prices.

Personal.

W. Harvey, who was confined in the West Penn hospital all Summer, is out again, staying at J. F. Gibbs' place in Woodville.

Gustav Ludwig has suffered with a bad attack of hay fever ever since his return home from the Convention, compelling him to remain at home most of the time.

W. F. Lauch, of Carrick, Pa., has put benches in all his houses this Summer; heretofore his plants, mainly caruations, were grown in solid beds with good results, but he expects to do still better with raised benches and better drainage.

T. F. Langhans, of the Pittsburg Cutflower Co., is back at work again after spending a month's vacation in the mountains.

The September meeting of the Florists' Club takes place Thursday, September 13, at the storeroom of the Pittsburg Cutflower Co. A good attendance is desired, as several matters of importance will be discussed.

E. C. REINEMAN.

A most interesting personal letter, received from Peter Barr, and written on board the steamer voyaging from Fiji to Auckland, informs us that the veteran traveler will remain in Australia until July, 1901.

BABY PRIMROSES!

Out of 2½ in. pots, ready for 4 in., $2 per 100.

HENRY EICHHOLZ, Florist, **Waynesboro, Pa.**

Mention the Florists' Exchange when writing.

CHINESE PRIMROSES 2¼ and 2½ in. pots, mixed, $2.00 a 100.

FORBESII, magenta red, new, $5.00 per 100; 75 cts. per dozen. Cash, please.

JOHN E. DE WALT, Box B2, CARLISLE, PA.

Mention the Florists' Exchange when writing.

SMILAX

Fine, large, seedling plants, April sowing, 40 cts. per 100; $2.00 per 1000.

J. C. SCHMIDT, - Bristol, Pa.

Mention the Florists' Exchange when writing.

600 FINE SMILAX PLANTS

2½ Inch Pots, $2.00 per 100.

CASH WITH ORDER.

WM. KEIR, - Pikesville, Md.

Mention the Florists' Exchange when writing.

CYPERUS ALTERNIFOLIUS.

2½ in. pots, $2.50; 3 in. pots, $3.50; 4 in. pots, $8.00 per 100.

Baby Primrose, 2½ in. pots, $3.00; 3 in. pots, $5.00 per 100.

Silk Oak, 3 in. pots, $5.00; 4 in. pots, 8.00 per 100.

Cryptomeria Japonica (Japan Cedar), 2½ in. pots, $5.00 per 100; 20 for $1.00.

Coleus, from soil, fine plants, in variety, 60c. per 100; sample 10c. Low express rates.

J. S. BLOOM, Reigelsville, Pa.

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SMILAX!

From 2¼ in. pots, $2 per 100; $18 per 1000.

Cash with Order, Please.

B. H. TROWBRIDGE, Fishkill Village, N. Y.

MOUNT HONNES CONSERVATORIES.

Mention the Florists' Exchange when writing.

20,000 SMILAX

Nice, thrifty, 2 in., per 100, $1.25; per 1000, $10.00.

Primula Forbesi (Baby Primrose), extra fine plants from 3 in. pots, ready for 4s and 5s, only $5.00 per 100.

Primula Obconica Grandiflora and Rosea, 2 in., $2.50 per 100.

Primula Chinensis, 6 vars., 2 in., $2.00 per 100.

Mars Geranium, 3 in., stocky, $4.00 per 100.

Begonia Rex, 15 varieties, 3 inch, $5.00 per 100.

Cyperus Alternifolius, 3 in., fine, 5 to 8 stems, $5.00 per 100. Cash with order, please.

GEO. J. HUGHES, Berlin, N. J.

Mention the Florists' Exchange when writing.

Worcester, Mass.

The weekly show was as large and fine as has been held for a long time; the tables were full of splendid stock. Much dissatisfaction was expressed at the judging.

The weather has been very dry and plants suffer much. At the Agricultural Fair held here September 3, 4 and 5, there is, considering the drought, a fine exhibit of flowers. "J."

Wichita, Kan.

College Hill Greenhouses, is the style of a new florists' establishment here. It commences with two houses, each 10x75, principally for carnations. H. L. Hunt, formerly with W. H. Culp, of this city, and A. R. Marsh are partners in the new firm.

F. Keutcheamaster has recently torn his houses down from Harry street and moved two blocks west of the city park, where he is rebuilding and enlarging.

C. P. Muller has planted a house of roses and benched his carnations, and has everything in good shape for Fall trade.

W. H. Culp & Co. have a fine lot of palms and decorative plants, and will plant two houses in carnations, devoting the rest of their glass to a general collection of plants. H. H.

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Twelve pages and handsome cover. Shows forty-one arrangements, with prices. For agents' use or promoting out-of-town trade.
Sample, 40c. in stamps. Circular Free.
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CYPRESS SASH BARS
ANY LENGTH UP TO 32 FEET OR LONGER


THE A. T. STEARNS LUMBER CO.
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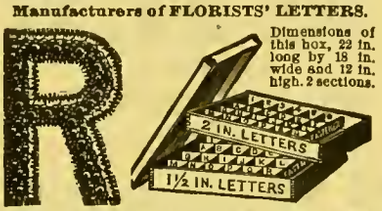
BOSTON FLORIST LETTER CO.
Manufacturers of FLORISTS' LETTERS.


Dimensions of this box, 22 in. long by 18 in. wide and 12 in. high. 2 sections.
This wooden box nicely stained and varnished, 18x50x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1½ or 2 inch size, per 100, $2.00.
Script Letters, $4.00.
Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.
N. F. McCARTHY, Treas. & Manager,
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GALVANIZED STEEL
Wire Rose Stakes
Straight or Looped and Pointed
—ALSO—
The Model Extension Carnation Support.
THE MODEL ROSE STAKE Looped and Pointed.
THE MODEL PLANT STAKE for Lilies and all Pot Plants.
LANCASTER, PA., June 17, '99.
MR. THEODORE PARKER, Brooklyn, N. Y.
Dear Sir:—Your Model Carnation Support is all right in every way, and will no doubt be considered as necessary as good plants with growers when better known. I consider it the best in the market, and if your other specialties are as good, they should make another addition to the money makers of 1900.
Very respectfully, ALBERT M. HERR.
Samples and Prices on Application to
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IMPROVED GREENHOUSE GLAZING POINT
A sure preventive of glass slipping; effective on large or small glass, zinc, will not rust, last forever; easy to drive and easy to extract. Two sizes, ¾ and ⅞ in. long. One pound packages 40 cts. 1440 points ⅞ in. size, 1040 points ¾ in. size, in a pound. By mail, 10 cts. per lb. extra.
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Nikoteen Aphis Punk It Burns
The most convenient way of applying an insecticide ever yet devised. No pans required—No heating of irons—No trouble—Cannot injure the most sensitive blooms—Very effective. Price 60¢ per box of 12 rolls. All dealers sell it!
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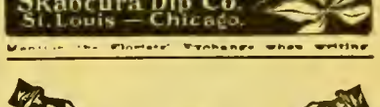
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	Per 100	Per 10		Per 100	Per 10
6- 8 in....	$3.00	.40	24-30 "	$7.00	.85
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No. 7200 PALMS.

	Lvs.	Hgt.	Doz.
7204	3	24in.	$2.40
7204a	3	36 "	3.60
7200	5	36 "	5.40
7201	5	40 "	7.20
7201a	10	40 "ea	1.80

Metal Wrenths, From 25 cents up.

PALM TREES.

	Lvs.	Hgt.	Ea.
7206	9	7 ft.	$3.50
7208	15	9 "	4.50
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STANDARD FLOWER POTS

Packed in small crates, easy to handle.

	Price per crate				Price per crate
1500 2 in. pots in crate,	$4.88		120 7 in. pots in crate,		$4.20
1500 2¼ " "	5.25		60 8 " "		3.00
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1000 3 " "	6.00		48 10 " "		4.80
800 3½ " "	5.50		24 11 " "		3.60
500 4 " "	4.50		24 12 " "		4.80
320 5 " "	4.51		12 14 " "		4.80
144 6 " "	316		6 16 " "		4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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Mention the Florists' Exchange when writing.

Grand Rapids.

We have had a very quiet month as far as trade is concerned; people are still at the resorts, and the few at home do not care to die.

With the end of the resort season, business is expected to pick up considerably. Carnations are nearly all in; most of them have shortish stems, which will soon be remedied. The sweet pea crop is about done, but there are still plenty of asters, although whole crops that were planted on low ground have been ruined. Asters do not like wet feet, the plants that have done the best this year were those planted on high ground. We have been having all kinds of weather—first it would blow a gale, blowing down trees, smashing glass and playing old Ned generally, then would come a deluge to drown everything out, followed by a cold, raw day, then back again to as hot as Tophet, where it is now.

A word as to the fine time we had at New York, and to thank the florists of that great city. The grandest trade exhibition ever held; the unequaled decorations of the Convention hall; the meetings themselves; that trip to fairyland—I believe they called it Glen Island—one of the most delightful spots imaginable, and the clams, how delicious, all but the black talls; all are engraven on our memory, never to be effaced; but what impressed one at every turn was the smoothness with which every detail of the great Convention was conducted; order and promptness everywhere, no hitch anywhere, everything went off like clockwork, and the New Yorkers deserve praise without stint. If Buffalo can give us a Convention in 1901 anywhere approaching the one just past, she will indeed cover herself with glory.

Recent Visitors.

A representative of W. W. Barnard, of Chicago, and Mr. Cook, of the Kalamazoo Nursery & Floral Co., who are erecting a range of glass for nursery and cut flower purposes.

GEO. F. CRABB.

Buffalo.

A good spell of hot weather has been with us, but seemed to have reached its termination in goodly showers on Labor Day.

The craftsmen who run stores have finished up their vacations, and are on hand prepared for any business, though 6:30 p. m. is still the closing hour rule. Aside from the calls for funeral flowers, which, as a rule, have been steady, there is so little doing that in some cases refrigerators are allowed to go practically empty. Roses in new growth, small-sized blooms, are plenty enough; carnations now at lowest ebb, both in quality and quantity; these are fully supplanted by asters and tuberoses.

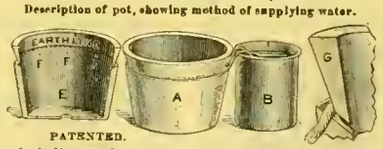
On Labor Day, Adamss showed an effective window display, almost startling in its bright coloring, produced by a combining of scarlet salvia in vases, arranged in the folds of a large American flag.

Recent visitors included such commercial men as Walter Mott and Paul Berkowitz, of Philadelphia; E. A. Benyan, of Evergreen, Ala., and our genial suburban perambulator of wit and wisdom, W. J. Wise, of E. Aurora, N. Y. VIDI.

ACME POT

A self-watering pot or pan, devised specially for spores, fine seeds and cuttings. No surface watering; seeds cannot be washed away; surface earth does not harden. The pot, as will be seen by the cuts, is original in its construction and application, and is the result of many years of practical experience in the art of propagating and raising seeds and spores.

Description of pot, showing method of supplying water.



PATENTED.

A, indicates the pot; B, a reservoir for water; E, section of pot showing earth line and perforations or water passages F F F below. G, full size section, showing groove, with cord siphon. Several pots may be arranged around one reservoir, each connected therewith by a cord, through or over which the water is conducted by capillary attraction.

Price, boxed, f. o. b., Pot and Siphon Cord complete, 50 cts. each; $5.00 per dozen.

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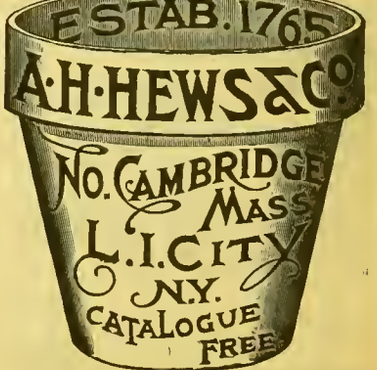

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GREENHOUSE HEATING.

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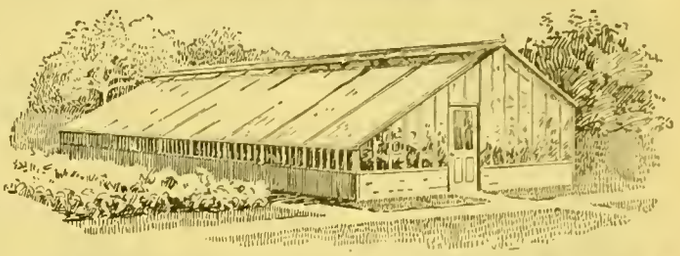

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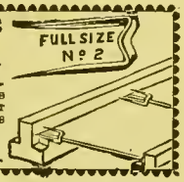

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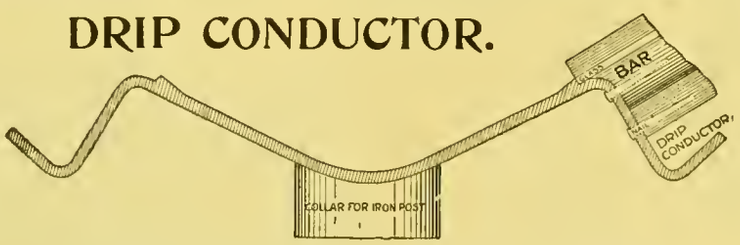

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Length of section, 5 feet; weight, 65 lbs.; carrying capacity, 4070 lbs.

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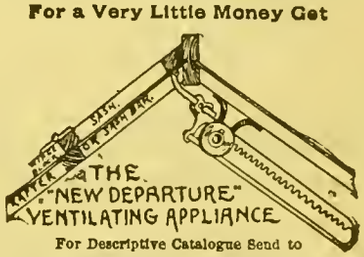

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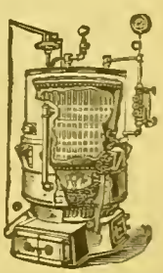

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Soap.....30c. per lb.; 25 lbs.,, 5.00.
Full line of Insecticides and Appliances.
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Dracæna Sanderiana, 3 in. pots, $2.50 per doz.
Primroses, separate colors, strong plants, 3 in. pots, $4 00 per 100.
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4½ inch pots .....$25.00 per 100
5½ " " ..... 35.00 "
This is surely a Bargain.

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Fine plants, from ground, 2 to 9 branches, $10.00 to $25.00 per 100.

600 Solanum Jerusalem Cherry—
Bushy and well fruited, from ground, $10.00 and $15.00 per 100.

1500 Aparagus Plumosus Nanus—
3 in. pots, fine, $10.00 per 100.

20 Araucaria Excelsa—
Specimens, 4 to 5 ft. high, 7 to 10 tiers, $4 00 each. The lot, if taken at once, $70.00. Cash, please.

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BOSTON FERNS $5.00 per 100; $40.00 per 1000. Larger plants, $10.00, $20.00 and $50.00 per 100.
ARECA LUTESCENS Extra large plants, from $1.50 to $4.00 each.
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KENTIA BELMOREANA All home-grown; no better quality in the country, 4 in. pots, 5 to 6 leaves, 15 to 20 in. high, worth 60c. each; $5.00 per doz.; $40.00 per 100.
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6 in. pots, pot-grown, extra fine, worth 75c. each, 50c. each.

ASPARAGUS PLUMOSUS NANUS
2 in., worth $5.00 per 100, $3.50 per 100.
3 in., worth $8.00 per 100, $6.00 per 100.

ASPARAGUS SPRENGERI
2 in., worth $5.00 per 100, $3.50 per 100
3 in., worth $25.00 per 100, $18.00 per 100

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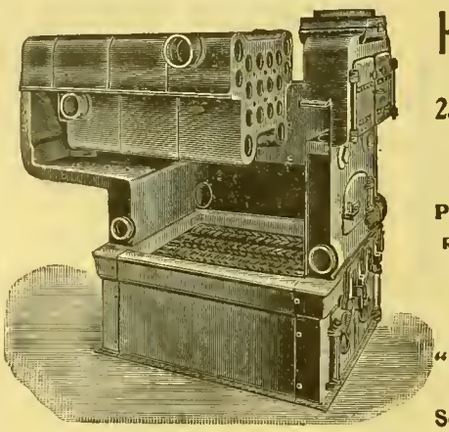

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Asparagus Plumosus Nanus,

EXTRA STRONG, from 3 in. pots; about ready for a 4-in. shift.

$1.00 per doz.; $8.00 per 100; $70.00 per 1000.

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OFFERS THE FOLLOWING HOME-GROWN

PALMS Free from Insects and Disease of any kind. They cannot fail to give satisfaction. Should be seen to be appreciated. A Trial Order Is Solicited.

ARECA LUTESCENS.

3 plants,	6 inch pot,	24 inch	$12.00 per dozen;	$100.00 per 100
3 "	8 "	30 "	30.00 "	
3 "	8 "	36 "	36.00 "	

KENTIA BELMOREANA.

4 inch pot,	5 to 6 leaves,	15 inch high	$4.50 per dozen;	$35.00 per 100	
6 " "	6 "	24 "	15.00 "	125.00 "	
6 " "	6 to 7 "	26 "	18.00 "	150.00 "	
8 " "	6 to 7 "	30 to 32 in. high		$3.00 each.	
8 " "	7 to 8 "	36 inch		4.00 "	

KENTIA FORSTERIANA.

4 inch pot,	4 to 5 leaves,	15 inch high	$4.50 per dozen;	$35.00 per 100
8 " "	6 "	36 to 40 in. high	$3.00 each;	$36.00 per dozen.
8 " "	6 "	48 to 50 in. "	4.00 "	48.00 "

ALL MEASUREMENTS ARE FROM TOP OF POT.

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We are a straight shoot and aim to grow into a vigorous plant.

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL.

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Large-Flowered Paper White Narcissus

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Case lots, about 1300 bulbs to the case, $7.50 per 1000.

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Extra quality bulbs, 12-15 ctm. in circumference, full case lots, about 2000 bulbs to the case, $16.00 per 1000.

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We have an extra fine lot of 7-9 inch Harrisii—this size is generally scarce.

Selected stock, fine quality, bulbs 5-7 in. in circumference, per case of 400 bulbs, $18.00; bulbs 7-9 in. in circumference, per case of 200 bulbs, $18.00; bulbs 9-11 in. in circumference, per case of 100 bulbs, $20.00.

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Extra quality bulbs, ⅜ to ½ in. in diameter, $4.00 per 1000. Selected bulbs, ½ to ¾ in. in diameter, $6.00 per 1000.

ALLIUM NEAPOLITANUM.

$4.00 per 1000.

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$5.00 per 1000.

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Extra size bulbs, per case of 1000 bulbs, $12.50.

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Asparagus Plumosus Nanus

CUT STRINGS, 10 FEET LONG 50 CTS.

W. H. ELLIOTT, BRIGHTON, MASS.

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Selected Stock of the following Bulbs is now ready for delivery:

WHITE ROMAN HYACINTH BULBS

Measuring 11 to 15 ctm., equal to 4½ to 6 inches around, $15.00 per 1000; Box of 2500 for $35.00; 4 boxes (10,000 bulbs), for $135.00.

Chinese Sacred Narcissus First shipment just to hand. Per basket of 30 bulbs, $1.50. 4 baskets or mat of 120 bulbs for $5.50, or $45.00 per 1000.

Japan Longiflorum Lilies Now ready for delivery, in splendid condition. One whole box sold at thousand rate.

5 to 7, 500 in box, $20.00 per 1000. 7 to 9, 300, $50.00 per 1000.
6 to 8, 450 in box, $30.00 per 1000. 8 to 10, 250, $80.00 per 1000.

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Fine, Strong Stock, Ready for Immediate Shipment.

	Per 100	Per 1000
Red Bradt	$8.00	$75.00
Mrs. Jas. Dean	6.00	50.00
G. H. Crane, extra selected	8.00	75.00
G. H. Crane, 2d size	6.00	50.00
Gen. Maceo, extra size	8.00	75.00
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5 Per Cent. Discount if cash is sent with order.

THE COTTAGE GARDENS, Queens, L. I.

C. W. WARD, Manager.

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A DRIVE FOR CASH



TO move a small consignment of

LILIUM HARRISII,

due to arrive by next steamer, the consignee authorizes us to refuse no reasonable offer.

The bulbs are guaranteed to be A No. 1 in quality. Money refunded if not so. Original cases of 200 bulbs of 7 to 9, for $16.00 per case.

Can you beat it?

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HYACINTHS—

	Doz.	100	1000
FRENCH, Early White Roman, 12-15 cm.		$1.75	$16.00
" Blue Roman, 12-15 cm.		1.50	14.00
" Rose " 12 15 cm		1.00	13.00
DUTCH, extra fine size, separate colors	$0 60	4.00	
" Named, most popular forcing sorts, $1.00 doz., 6.00 to $7.00 a 100			
" Roman or Miniature, very large	40	2.75	

TULIPS Extra fine, large sound bulbs. We name a few of the sorts we carry.

	100	1000
Belle Alliance	$1.40	$9.00
Ke'zerskroon	1.25	10.00
La Reine	1.25	10 00
Yellow Prince	1.35	11.00
La Candeur, etc., etc	1.00	8.50

NARCISSUS—

	100	1000
Paper White, True Grandiflora	$1 00	$7.50
" XXX, Special Value	1 20	9.00
Golden Sun, finest forcer	1.50	14.00
Trumpet Major	1.00	8 50
Von Sion, XXX, double nosed	1.85	17.00
" XX, "	1.50	14 00
" X, select bulbs	1.25	10.00

CHINESE SACRED MAMMOTH, the brand we have imported for 18 years ..... per 12, 75c. 5.00 42.00

ANEMONE—

	100	1000
Single or double mixed	$1.00	$9 00
Fulgens, scarlet	1.50	12 00

RANUNCULUS French, Persian or Turban, Per 100, 50c; per 1000, $3.50.

CALLA Æthiopica. 12 100 1000
Fine centra' shoots, 4-5 in. circum. $0.60 $4.00 $35.00

FREESIA Refracta Alba, ¾-¾ inch per 100, 50c; per 1000, $4 00. Leichtlini, pure yellow, per 12, 15c.; per 100, $1.00; per 1000, $8.00.

STOCKS. Ten Weeks, Cut and Come Again, in white, fine distinct, rose, crimson, blue, trade pkt., 25c.

JUST ARRIVED SUPERB STOCK

Cyclamen Persicum Giganteum Bulbs

In 5 sorts, monster flowers; pure white, rose, brilliant crimson, white with red eye, rose with red eye.

LILIUM LONGIFLORUM (Japan.)

		Doz.	100	1000
Due next week,	5-7	$ 40	$2 50	$20.00
	6-8	.50	3 50	30.00
	7-9	.75	5 50	50 00
	9-10	1 25	8. 0	80 00
Lilium Candidum, extra fine.		.60	4.00	37.50

SEEDS Crop of 1900, Kentia Belmoreana or Forsterinna, 1000, $4; 10,000, $35, single 100, post said, 75c. Asparagus Sprengeri, 100, 50c.; 1000, $4. Smilax Seed, pkt. 10c; oz, 30c; lb., $2.50. Pansy Seed, superb mixture of Giant Exhibition strain, 1000 seeds, 25c; 5000, $1. Same price to separate Bugnot, Cassier, Odier, Trimardeau, or any color. Cineraria, Giant or Dwarf, pkt (about 500 seeds), 25c.



FERN BALL.

We will allow **10 Per Cent. Discount** on all orders for **JAPAN FERN BALLS**, given up to October 1st. NOTE—We were the **first house** to import these in U. S. in 1878. Get **Bonafide long-leaved, well seasoned stock. 5 per cent. discount on list.** ADDRESS

H. H. BERGER & CO. (ESTABLISHED 1878). **47 Barclay Street, New York.**

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PANSY SEED

S. & W. Co.'s Non Plus Ultra.

The richest mixture ever sent out, and containing the **Blotched** and **Giant** varieties in greatest proportion; very effective. Per packet, 1000 seeds, 25 cts.; per ⅛ ounce, 75 cts.; per ounce, $4.50.

MUSHROOM

(New Crop) Spawn,

10 lbs.,	$1.00
100 "	7.00
1000 "	65.00

STUMPP & WALTER CO., = = 50 Barclay Street, NEW YORK.

DANISH CAULIFLOWER SEED

Early Dwarf Danish Snowstorm. Selected by the leading grower of Denmark, during a quarter century. Always uniform; fine, large white heads, the acme of perfection. One quality only—the best. **$15.00 a lb.** Orders booked now for November delivery.

E. A. WOHLERT, Importer, ALTOONA, PA.

NOW IS THE TIME TO BUY

SMILAX SEED

NEW CROP.

25c. per oz.; $3.00 per lb.

EVERY SEED WILL GROW

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WHOLESALE PRICE LIST OF SEEDS, BULBS &c. ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS.

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SWEET PEA for forcing.

Seed, $10.00 per lb.; $1.50 per oz.

ANT. C. ZVOLANEK writes as follows about it. "This grand variety is for inside culture only. The flowers first appear from September to November 20th, and flowers from then all winter until June. From middle bench, 6½x100 feet, I cut an average of 8¼ dozen per day; grows only 4½ feet high and flowers on 15 inch stems; color similar to Blanche Ferry. They are easily grown, and with each order I will send directions as to the way I grow them. I have raised them 8 years now, and they do well every year. All seed is from selected plants raised inside, and I will guarantee them to flower all winter. Plant after your 'mums. Have only a small quantity of seed." Address

BOBBINK & ATKINS, Rutherford, N. J.

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CALIFORNIA CALLA LILY SETS Healthy, strong sets, 1 to 1½ inches in length, suitable for bench growing, $3.00 per 1000, delivered free to any part of the U. S.

CALIFORNIA PALM SEEDS SAVED AND FRESH ON HAND.

	Per 100	1000	5000
Phœnix canariensis		$0.50	$2 00
" reclinata	$0.25	2 00	8.75
Brahea Edulis (Erythea edulis)	50	4 00	
" Glauca (" a mata)	per pound, 75 cts.		
Chamærops Excelsa	per pound, 40 cts.		

Coreopsis Lanceolata ..... per pound, $1.25
Smilax ..... per pound, $1.75; five pounds at $1 50
Australian Salt Bush (Atriplex semibaccatum), per pound, 75c.; 50 lb. lots, 60c.; 100 lb. lots or over, 50c.
Yellow Globe Danver's Onion, per pound, 50c.; per 100 lbs., $45.00.

GERMAIN SEED AND PLANT CO., Los Angeles, Cal.

NOW OPENING UP!

A Complete Line of Dutch Bulbs

HYACINTHS, TULIPS Etc.,

Get our Prices and Samples before buying.

LIL. CANDIDUM, "THICK PETALED" Very choice, $6.50 per 100. First size, $4.50 per 100.

NEW DOUBLE DAFFODIL PARIS VON SION French grown, for Christmas forcing; a money-maker. Try it. Per 10', $2.00; per 1000, $16.00.

CHOICE BERMUDA FREESIA Per 1000, $5.00.

BUTTERCUP OXALIS Per 1000, $5.00.

CALLA 1¼ to 1½ inch, per 100, $4.50.

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84 Randolph Street, CHICAGO. 14 Barclay Street, New York.

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BULBS



Largest Stock. Largest Variety.

Lowest Prices

Consistent with Superior Quality.

Our Wholesale Bulb Catalogue For FLORISTS ONLY,

MAILED ON APPLICATION.

HENDERSON'S SUPERIOR WHITE ROMAN HYACINTH BULBS. First Size, 12 to 15 ctm., $17.50 per 1000; Extra Size, 13 to 15 ctm., $20.00 per 1000.

HENDERSON'S SUPERIOR LILIUM HARRISII BULBS. First Size, 6 to 7 inch, $42.00 per 1000; Extra Size, 7 to 9 inch, $90.00 per 1000.

PETER HENDERSON & CO.

35 and 37 Cortlandt Street, NEW YORK.



"I get more spikes of 'firsts' from your strain of White Romans than from any I ever grew before." A. S. WALLACE (Florist), Montclair, N. J.

"The Bermuda Easter Lily Bulbs I got from you (P. H. & Co.) are grand. In fact, every person who has seen them says they are the best ever seen in this part of the country; they are practically free from disease.'" LAWRENCE COTTER (Florist), Dorchester, Mass.

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FRESH ENGLISH MILLTRACK MUSHROOM SPAWN.
Our celebrated English Milltrack brand is made by the best maker in England specially for our trade; per brick (1¼ lbs.) 15c., by mail 25c.; 10 lbs., $1.25; 25 lbs., $2.00; 100 lbs., 6.00; 1000 lbs., $55.00 (250 lbs. at the 1000 lb. rate).
Fresh Smilax Seed, per oz., 20c.; per lb., $2.25; per 5 lbs., at $2.00 per lb.
Allen's Defiance Mignonette, per ¼ oz., 20c.; per oz., 75c.
Johnson & Stokes' Kingly Pansy, trade pkt., 50c.; ¼ oz., $1.25; per oz. $5.00.
Freesia Refracta Alba: first size, 40c. per 100; $3.00 per 1000; selected, 60c. per 100; $5.00 per 100.
White Roman Hyacinths and Paper White Narcissus now ready for delivery.
WRITE US FOR PRICES.
JOHNSON & STOKES, Seedsmen, 217 & 219 Market St., PHILA., PA.
Mention the Florists' Exchange when writing.



Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Cincinnati, O., President; F. W. BOLGIANO, First Vice-President; S. G. COURTEEN, Milwaukee, Wis., Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

Bulbs in 1900.

With the arrival of the French and Dutch bulbs, one is glad to notice that, if appearance goes for anything, the quality of the stock is not inferior in any way to what it was last year. From reports received last Spring it was thought that the bulbs would not be so good as usual and that, in some lines, there would be actual shortage. So far, however, orders are being filled up to the full count of all varieties.

During a recent visit to W. H. Siebrecht, of Astoria, L. I., who, by the way, forces a million and a half bulbs annually, we were informed that all the bulbs received thus far looked very promising indeed; the Dutch hyacinths especially, being in much better condition than last year even. As Mr. Siebrecht is such a large grower, and, by experience, knows what is best among bulbs for forcing, a partial list of the varieties he uses will be interesting, and also a guide to smaller growers. In narcissus the kinds used are: Von Sion, Paper White grandiflora, Princeps, Poeticus, Horsfieldii, and Golden Spur.

About twenty varieties of tulips are used. The white kinds are La Reine, White Pottebakker and White Belle Alliance. Pink varieties are Cottage Maid, Rose Grisdelin, Salvator Rosa, double, and Murillo, double. Among the yellows are Yellow Prince, Canary Bird, Yellow Rose, late double, and for late singles, Golden Crown and Bouton d'Or. In red varieties, Belle Alliance, Scarlet Due Van Thol, Prince of Austria, Vermilion Brilliant and Couleur Cardinal are grown.

In hyacinths, single named varieties only are used. The white ones are La Grandesse, Baron Van Thuyll, Madam Van der Hoop, Elfride and Grandeur à Merveille. Pink kinds are Charles Dickens, Moreno, and Gertrude. Light blues are Charles Dickens, Grand Maitre, Bar on Von Thuyll, Queen of the Blues and Czar Peter. For dark blue, Mary and William the First are grown.

Speaking on the subject of treating the bulbs after they are potted or planted in the flats, Mr. Siebrecht favors the modern bulb shed rather than burying the bulbs outdoors, as in the shed they can be watched at all times, and can be handled, when needed, much more conveniently than when they are in trenches outside.

Lilies are forced only for the Easter trade, and, owing to the uncertain condition of Bermuda stock, Mr. Siebrecht will this year plant only Japan longiflorum. Past experience proves that of the Harrisii planted only thirty-five per cent. are good, and there is too much loss attached to them. If the small percentage of good bulbs could only be picked out from the rest before they were planted, it would be all right; there would then be some profit in them, but, having to grow them and then discover the diseased ones afterwards, wastes, entirely, a lot of valuable time, and also space on the benches.

Mr. Siebrecht forces lily of the valley all the year round. The benches in the greenhouses are at present filled with poinsettias, chrysanthemums, aspidistras, Boston ferns and Pandanus Veitchii, stock that will be all disposed of before the bench space is required for the bulbs.

European Notes.

Shortages continue to be the order of the day. The latest additions to the list are the French strains of sugar beet and mangel wurzel. At the beginning of July we had hopes of fairly large crops of both, but the persistent drought and subsequent attacks of vermin have so far upset our calculations that orders already booked will cause as much difficulty to fill, and late buyers will doubtless have to go lacking. The Golden Tankard variety of mangel is exceptionally scarce and good strains fetch almost any price the fortunate holders demand.

Some of the English growers reported probably good deliveries of some of the coarser field turnips; the threshing machine is dispelling the illusion in a very cruel fashion. The actual crop is not one half as large as the estimate.

Parsnip, parsley and celery dried up prematurely, and the yield is disappointing. The first-named article is particularly scarce this season.

A spurt in the trade for rape has brought all available stocks to the front, and the shortage is so serious that prices have taken a solid leap upwards, which, allowing for an average demand from your side, will be fully maintained.

EUROPEAN SEEDS.

CATALOGUES RECEIVED.

WM. H. HARRISON & SONS., Lebanon Springs, N. Y.—Wholesale Trade List of Hardy Ornamental Trees, Shrubs and Herbaceous Plants.

F. & F. NURSERIES, Springfield, N.J.—Wholesale Trade List of Nursery Stock.

WILLIAMS & SONS CO., Batavia, Ill.—Wholesale List of Florists and Nurserymen's Supplies. Labels a specialty.

STUMPP & WALTER COMPANY, New York.—Catalogue of High Grade Bulbs and Seeds for Fall Planting. Russian Lily of the Valley a specialty. Illustrated.

PHEDE J. MARSHALL, Hibernia, N. Y.—Catalogue of Bulbs for Fall, 1900. Illustrated.

GRAHAM BROS., Ottawa, Ont.—Autumn Catalogue of High Grade Bulbs, Plants, etc.

BENJAMIN HAMMOND, Fishkill-on-Hudson, N. Y.—Circular as to Hammond's Greenhouse White Paint, that "stays where it is put," and Twemlow's Old English Glazing Putty, which is semi-liquid and is plastic. A long list of users of these materials among greenhouse men testify to their efficacy.

PETER HENDERSON & CO., New York.—Autumn Bulb Catalogue; shows numerous colored illustrations of bedding designs, which are very helpful to planters.

SIGMUND GELLER, New York.—Illustrated Wholesale Price List of Florists' Supplies. Very complete, and containing the latest designs.

WEEBER & DON, New York.—Catalogue of Bulbs, Roots, Seeds and Garden Requisites. Illustrated.

R. & J. FARQUHAR & CO., Boston, Mass.—Illustrated Catalogue of Bulbs, Plants, Shrubs and Seeds for Autumn Planting.

H. H. GROFF, Simcoe, Ont.—Neat descriptive catalogue of New Hybrid Gladioli, originated and selected by himself. The catalogue contains the announcement of an exhibit of gladioli at the Pan-American Exhibition in August, 1901.

PINEHURST NURSERIES, Pinehurst, N. C.—Illustrated Wholesale Catalogue of American Seeds, of Conifers, Palms, Trees, Shrubs, Herbaceous Plants, also Roots and Bulbs for Fall Planting.

Some Good Cannas.

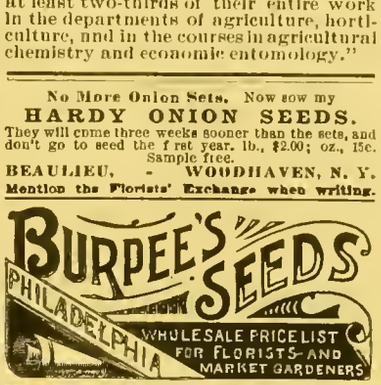
The new canna, recently shown by Mr. Pierce, Rochester, N. Y., has attracted much attention. Mr. Pierce is an enthusiastic and skillful grower, and his collection of thirty of the newer varieties of cannas is grown under the most favorable conditions. With such treatment the Mrs. Kate Gray is a distinct advance over all others. The plant which the writer saw was over seven feet in height, with splendid dark foliage. The flower is a rich orange scarlet, having the effect of a solid color, and is quite distinct. We measured blooms that expanded 5×6 inches, the extremely broad petals giving an almost circular outline. One spike of 22 flower buds had nine perfect blooms open at the time. The parentage is given by the originator, Mr. F. Edward Gray, Los Angeles, Cal., as Crozy X Italia. Mr. Pierce is interested to know what will come of seeds, now nearly matured, on a spike of Mrs. Kate Gray.

G. A., Jr.

Cornell University.

The Cornell University (College of Agriculture), Ithaca, N. Y., has issued its announcement for 1900—1901. Special attention is called to the fact that "tuition is free to students pursuing the prescribed course in agriculture and intending to complete that course; and to special and graduate students in agriculture taking at least two-thirds of their entire work in the departments of agriculture, horticulture, and in the courses in agricultural chemistry and economic entomology."

No More Onion Sets. Now sow my
HARDY ONION SEEDS.
They will come three weeks sooner than the sets, and don't go to seed the first year. lb., $2.00; oz., 15c. Sample free.
BEAULIEU, - WOODHAVEN, N. Y.
Mention the Florists' Exchange when writing.



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California Nursery Company, Niles, Calif.
Mention the Florists' Exchange when writing.

High-Grade BULBS
for Forcing and Out-of-door Planting.
Our 1900 Wholesale and Retail Catalogues on application.
JAMES VICK'S SONS,
ROCHESTER, N. Y.
Mention the Florists' Exchange when writing.

CALLA BULBS
1⅛ to 1⅜ ins. diam..... $3.00 per 100; $25.00 per 1000
1 to 1¼ " " ..... 2.00 " " 15.00 " "
¾ in. diam ..... 1.00 " " 8.00 " "
STRONG SETS.
2⅛ to 3 ins. long ..... $4.00 per 1000
1⅛ to 2 " " ..... 3.00 " "
SMILAX ROOTS.
2½ to 3 ins. diam, $3.00 per 100; $28.00 per 1000, by freight
1⅛ to 2 " " 2.00 " " 16.00 " " " "
2½ in. pots..... 1.00 " " 8.00 " " postpaid.
Strong Seedlings, 0.75 " " 3.50 " " " "
SMILAX at All Seasons.
Amaryllis Formosissima.
2½ ins. diameter ..... $3.50 per 100, prepaid
1½ " " ..... 2.00 " "
Violets Princess of Wales.
$1.00 per 100; $8.00 per 1000.
THEODOSIA B. SHEPHERD, Ventura-by-the-Sea, Cal.
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HELLER'S MICE PROOF SEED CASES.
SEND FOR CATALOGUE.
HELLER & CO., Montclair, N.J., U.S.A.
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ROSES!
Roses on their own roots, also budded. 40,000 roses in pots. Send for price list.
Ampelopsis Veitchii, in large quantities. Field grown.
Clematis Paniculata, two and three years old. Largest stock in the United States.
Yellow, White and Crimson Ramblers.
Honeysuckles and **Clematis Paniculata,** in pots.
Fifteen varieties of **Phlox,** field-grown.
Herbaceous Plants, in large quantities.
PRICE LIST ON APPLICATION.
ELIZABETH NURSERY COMPANY,
ELIZABETH, N. J.
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LILIUM HARRISII
Early Roman Hyacinths
Special prices on application.
Sure Crop Mushroom Spawn NEW CROP, $8 per 100 lbs.
WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., NEW YORK.
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GUARANTEED A1 BULBS

L. HARRISII. Per 1000
5-7 inch..... $30 00
7-9 " 75 00

WHITE ROMAN HYACINTHS.
Red skinned..... 11 00
Named Hyacinths, in fine pot varieties..... 54 00

TULIPS.
Alba Regulus, white..... 8 00
Cottage Maid, pink..... 9 00
Duchesse de Parma, orange red..... 6 25
Keizerskroon, red and yellow..... 10 00
La Reine, white..... 9 50
La Belle Alliance, scarlet..... 9 00
Princess J. Marianne, white, slightly pink, large 8 00
Proserpine, carmine rose..... 15 00
Rose Grisdelin, pink..... 12 00
Vermilion Brilliant, scarlet..... 21 50
Yellow Prince, yellow..... 9 50
Double Gloria Sulphurea, red and yellow..... 9 00
" Murillo, light pink..... 20 00
Tournesol, red and yellow..... 13 00

NARCISSUS.
Von Sion, top roots..... 13 00
" 1st size..... 11 50
" 2d size..... 10 00
Campernelle Major..... 3 50
Trumpet Princeps..... 8 00

JAPAN LILIUM LONGIFLORUM
6-8 inch.....per 1000, $27 50
7-9 " ..... " 40 00
Cash with order. 250 sold at 1000 rates.
HULSEBOSCH BROS., Englewood, N. J.
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ESTABLISHED 1802
THORBURN'S SEEDS
BULBS NOW READY:
ROMAN HYACINTHS,
DUTCH HYACINTHS,
NARCISSUS, TULIPS,
&c., &c., &c.
Wholesale Bulb Catalogue mailed on application.
J. M. THORBURN & CO.
Late of 15 John Street
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STRAWBERRIES Pot-grown, immediate delivery. Prices upon application.

EVERGREENS For August planting, in fine assortment.

MANETTI For grafting for December delivery.

HARDY NURSERY STOCK Of selected quality.

ROSES For forcing.

Correspondence a Pleasure.

HIRAM T. JONES, Union County Nurseries, Elizabeth, N. J.

Mention the Florists' Exchange when writing.

NURSERY DEPARTMENT.

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Evergreens for Church and Hall Decoration —The great variety of color in evergreens offers an excellent opportunity for utilizing them in decorations of various kinds. Everyone knows what tasty beds of them can be arranged out-of-doors, but, on the other hand, very few think of what might be accomplished by their use inside. One of the prettiest foliage decorations the writer has ever seen, barring, perhaps, some where ferns were brought into use with fine effect, was a stage setting of these evergreens, ranging in size from little ones in 3-inch pots, used to bank in the foreground, edging off the whole, to large bulky arbor vitæs in 24-inch tubs. Contrary to what might be expected, there is nothing sombre about such an arrangement if the taste of the decorator will bring into use a sufficient number of bright golden colors, and some with graceful foliage like the Retinospora filifera. Hemlock and Swedish and Irish junipers are very useful. Other desirable kinds are the Chinese arbor vitæs, variegated box, dwarf box, deodar cedar, cephalotaxus, Japanese euonymus, junipers, retinosporas, and arbor vitæs of all kinds and in many colors. They stand rough treatment better than the general class of plants used in decorations, especially as they may be taken out in cold weather without danger of freezing. A large old-fashioned fire place offers an excellent opportunity for decoration by means of evergreens. Of course, there can be no fire going.—*Meehan's Monthly for September.*

200,000 Peach Trees

This stock is thrifty and healthy. All grown from Tennessee pits. No better Peach stock to be had.

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Double White, Red, Pink, Yellow and Allegheny, mixed, large plants, July sowing, 75 cents per 100; $5.00 per 1000.

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SUGAR MAPLE

500 handsome trees, 10 to 12 feet.
25 selected trees, 4 to 6 inches caliper.

Also **Norway, Silver** and **Sycamore Maples,** at low prices.

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AMERICAN TREE SEEDS.

Our Descriptive Catalog of American seeds is just out.

Ask for it and secure trade discount on advance orders.

Our Folder, "How to Make Tree Seeds Grow," free with every order.

PINEHURST NURSERIES, Pinehurst, N.C.

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CABBAGE PLANTS

H. Succession, early and late Flat Dutch, 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

CELERY Plants. Pink Plume, New Rose and other varieties, 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

LETTUCE Grand Rapids, Curled Simpson and other varieties, 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

PARSLEY Extra strong plants, 25c. per 100. $1.50 per 1000.

If wanted by mail, add 10c. per 100 on Cabbage, Celery and Lettuce. 25c. per 100 on Parsley. Cash with order

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Hollandia Nurseries, · BOSKOOP, HOLLAND

Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Pæonies, Pot-grown plants for forcing, Rhododendrons, H. P. Roses, etc.

No Agents. Catalogue free on demand. No Agents.

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Shrubs, Vines and Roses

Write for price list or send your lists of wants for special prices.

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CHOICE SHRUBBERY

At lowest surplus prices. All first-class transplanted stock. Also Evergreens and Shade Trees, cheap.

E. S. Peterson & Sons, Box 17, Montrose, N.Y.

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Yucca Filamentosa

Fine, large plants, $10.00 per 100.

SAMUEL C. MOON, Morrisville, Pa.

BUCKS CO.

Mention the Florists' Exchange when writing.

MYRTLE!

For cemetery sod ornamental work. Large, field-grown clumps, f. o. b. New York, express or freight, per 100, $6.00. Rooted Cuttings, mailed free, per 100, 70c.; per 1000, $5.00; white flower, per 100, $1.00.

SMILAX, January sowing, transplanted to field in May, large, per 100, mail free, $2.00; smaller, per 100, mail free, $1.00.

DOUBLE HOLLYHOCKS, separate or mixed, white, red, yellow, pink, per 100, $1.00.

CALIFORNIA PRIVET. 2 to 2½ feet high, 2 to 4 branches, per 100, $3.50; 1½ to 2 ft., 2 to 4 branches, per 100, $2.75; 15 to 20 in. high, per 100, $2.25.

ECHEVERIA Secunda Glauca, about 1 in. diameter, well rooted, per 1000, $12.00; 1½ in., $15.00; 2 in., $20.00. Cash with order.

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RHODODENDRONS,	AZALEAS,
SPIRÆA JAPONICA,	LILIUM SPECIOSUM,
PÆONIES,	BLEEDING HEART,
POT GROWN LILACS,	HYDRANGEA IN SORTS.

CLEMATIS and **H. P. ROSES,** in the best sorts.

PRICES MODERATE.

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HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 Crowns.

Otaksa, Red-Branched, Thos. Hogg,

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Send for our wholesale Price List of Roses, Clematis, Shrubs, Trees, etc., etc.

Our representative, Mr. J. Austin Shaw, is now in New England, and we should be pleased to have him call upon prospective purchasers of any stock in our line.

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ROOT PRUNED EVERGREENS

For Autumn Planting. Finely Rooted.

5000 NORWAY SPRUCE, 3½ to 5 feet.

5000 HEMLOCK SPRUCE, 3 feet and over, very bushy, compact and fine.

25,000 RETINOSPORAS in variety, from 1 to 6 feet.

COLORADO BLUE and ORIENTAL SPRUCE PINES and ARBOR-VITAEAS In Great Variety.

In good condition for transplanting, either in **Lawns, Parks** or **Cemeteries. Large Specimens,** for immediate effect.

SMALL EVERGREENS and EVERGREEN SHRUBS For **Window Boxes** a Specialty.

The **Success** with which our root pruned **Evergreens** have been moved is proverbial. **Failures** seldom occur. A personal inspection is invited.

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60 miles from New York City.
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And 702 Stephen Girard Bldg., PHILADELPHIA, PA.

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SURPLUS FOR SPRING 1900

Can yet do **PEACHES** and **JAPAN PLUMS** in limited quantity; also **MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY STRAWBERRIES** from best leading varieties. Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.

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Entire Stock of Trees growing on 40 acres; Comprising principally JAPANESE and other RARE EVERGREEN Trees. SHADE TREES and other Ornamental NURSERY STOCK.

Auction Catalogue ready.

Chas. B. Hornor & Son,

MOUNT HOLLY, N. J.

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Grape Vines

Descriptive and Price List free.

Currants, Gooseberries and other **Small Fruit Plants.** Extra quality. Warranted true.

T. S. HUBBARD CO., FREDONIA, N. Y.

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For the next 30 days I will accept orders for the following nice collected stock, to be shipped in November and to be paid for on delivery. (Cash or reference from strangers.)

Adiantum Pedatum, Maidenhair Fern, per 1000, $3.00; 5000, $12.50.

Polystichum Acrosticoides, Xmas Fern, per 1000, $4; 5000, $14.

The following nice collected seedlings, ranging in sizes from 6 to 15 inches and over (not less than 5 of a kind), per 1000, $3.00; 5000, $12.50; 10,000, $20.00.

Betula Nigra, Red Birch; **Carpinus Americana,** Water Beech; **Celtis Occidentalis,** Hackberry; **Cornus Florida,** White-flowering Dogwood; **Corylus Americana,** Hazlenut; **Dirca Palustris,** Leatherwood; **Fagus Ferruginea,** American Beech; **Hamamelis Virginiana,** Witch Hazel; **Liriodendron Tulipifera,** Poplar; **Sycamore,** Plane Tree; **Tecoma Radicans,** Trumpet Flower; **Tilia Americana,** Linden, Basswood.

Seeds of **Stuartia Pentagyna,** Mt. Stuart, per oz., 15c.; lb., $1.00; 10 lbs., $8.00.

GOOD, FRESH SEED, postpaid.

Send for my Trade List of Tree and Shrub Seeds, Collected Seedlings, Etc.

J. H. H. BOYD, Gage, Tenn.

Sequatchie Co.

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Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.

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Red and Pin Oaks, 10 to 14 feet

Hemlocks, 4 to 6 feet

TRANSPLANTED SPECIMEN TREES.

WILLIAM WARNER HARPER, Prop., Chestnut Hill, Philadelphia, Pa.

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Desire to call the attention of Florists and Nurserymen to their 40 acres of **HARDY ROSES,** their complete assortment of **FRUIT** and **ORNAMENTAL TREES** and **SHRUBS,** and their 44 Greenhouses of **ROSES, PALMS, FICUS, FERNS, ETC.**

Correspondence and personal inspection solicited. Trade List and Catalogues free

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TREES

Fruit Trees, Small Fruits, including grapes. **Ornamental Trees, Evergreens** and **Shrubs** for public and private grounds. **Shade Trees** for streets. **Hardy Roses, Hardy Plants, Climbers,** etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. **Rochester, N. Y.**

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AMERICAN ROSES
ON OWN ROOTS.

In the following varieties:—American Beauty, Anna Diesbach, Coquette des Alpes, General Jacqueminot, Jules Margottin, La France, La Reine, Mme. Geo. Bruant, Magna Charta, Mrs. John Laing, Paul Neyron, Prince Camille de Rohan, Victor Verdier.

STRONG TWO-YEAR NORTHERN FIELD-GROWN PLANTS. SEPTEMBER DELIVERY, if order is placed at once, in the select trade varieties.

Florists desiring to be supplied are advised to Order Immediately before the Limited Supply is Sold Out. FIRST COME, FIRST SERVED.

SPECIAL OFFER TO CASH-WITH-ORDER BUYERS LILIUM LONGIFLORUM (Bermuda), 5-7 inch circumference, sound, healthy bulbs, per case of 400 bulbs, $14.00; per 1000, $32.50. Per 5000 to 10,000, inquire for prices.

Fine Collection of SEEDLING PALMS, ARECAS, LATANIAS, KENTIAS, from 2 to 4 inch pots; also collection fine RUBBERS. Write for prices.

C. H. JOOSTEN, WHOLESALE BULBS AND PLANTS, 85 Dey Street, New York.

GIANT DOUBLE ALYSSUM 3 inch pots, $3.00 per 100.
VIOLETS Campbell, field-grown clumps, $3.00 per 100; 2½ in. pots, $2.50 per 100.
Clean, Healthy, A No. 1 stock. Cash with order, please.
E. J. CLOUD, L. B. 32, **Avondale, Pa.**
Mention the Florists' Exchange when writing.

BROWALLIA GIGANTEA (True.)
2½ in. pots, $3.00 per 100. Rooted Cuttings, $1.50 per 100
HENRY EICHHOLZ, Florist, **Waynesboro, Pa.**
Mention the Florists' Exchange when writing.

PRIMULA CHINENSIS
In six colors, mixed, strong plants, out of 2 in. pots, $2.00 per 100. Out of 3 in. pots, $3.00 per 100.

PANSY PLANTS
Cassler and Trimardeau, large flowering, 35 cts. per 100; $3.00 per 1000. (Cash with order.)
H. STAHLHUT, New Lots Road and Shepherd Ave.
BROOKLYN, N. Y.
Mention the Florists' Exchange when writing.

SMILAX
Fine, large, seedling plants, April sowing, 40 cts. per 100; $2.00 per 1000.
J. C. SCHMIDT, - Bristol, Pa.
Mention the Florists' Exchange when writing.

SMILAX!
From 2½ in. pots, $2 per 100; $18 per 1000.
Cash with Order, Please.
B. H. TROWBRIDGE, Fishkill Village, N. Y.
MOUNT HONNES CONSERVATORIES.
Mention the Florists' Exchange when writing.

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600 FINE
SMILAX PLANTS
2½ Inch Pots, $2.00 per 100.
Cash with Order.
WM. KEIR, - Pikesville, Md.
Mention the Florists' Exchange when writing.

2500 SMILAX LEFT.
Must Close Them Out.
Nice, thrifty, 2 in., 75c. per 100; $6.00 per 1000.
Primula Forbesi (Baby Primrose), extra fine plants from 3 in. pots, ready for 4s and 5s, only $5.00 per 100.
Primula Obconica Grandiflora and Rosea, 2 in., $2.50 per 100.
Primula Chinensis, 6 vars., 2 in., $2.00 per 100.
Mars Geranium, 3 in., stocky, $4.00 per 100.
Begonia Rex, 15 varieties, 3 inch, $5.00 per 100.
Flowering Begonias, 2 in., 15 vars., $2.50 per 100.
Cyperus Alternifolius, 3 in., fine, 5 to 8 stems, $5.00 per 100. Cash with order, please.
GEO. J. HUGHES, Berlin, N. J.
Mention the Florists' Exchange when writing.

IF YOU NEED ROSES
Send us your list for prices.
THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.
Mention the Florists' Exchange when writing.

VINCA VARIEGATA
Field-grown, elegant plants, $5.00 per 100.
Cash with Order.
HENRY ENGLER,
4651 Lancaster Ave., - PHILADELPHIA, PA.
Mention the Florists' Exchange when writing.

STOCK THAT WILL PLEASE
ROSES, Meteor, Bride and Maid, strong, 3½ in. pots, $4.00 per 100.
ASPIDISTRA, Green, $5.00 per 100.
" Variegated, $8.00 per 100.
SMILAX, strong, 2 in., $1.50 per 100.
JERUSALEM CHERRY, 2 in., $1.50 per 100.
FICUS, top cutting, fine, $18.00.
A. C. FEHR, Belleville, Ills.
Mention the Florists' Exchange when writing.

CYPERUS ALTERNIFOLIUS.
2½ in. pots, $2.50; 3 in. pots, $3.50; 4 in. pots, $8.00 per 100.
Baby Primrose, 2½ in. pots, $3.00; 3 in. pots, $5.00 per 100.
Silk Oak, 3 in. pots, $5.00; 4 in. pots, 8.00 per 100.
Cryptomeria Japonica (Japan Cedar), 2½ in. pots, $5.00 per 100; 20 for $1.00.
Coleus, from soil, fine plants, in variety, 60c. per 100; sample 10c. Low express rates.
J. S. BLOOM, Reigelsville, Pa.
Mention the Florists' Exchange when writing.

J. E. FELTHOUSEN,
Rooted Cutting Specialist,
SCHENECTADY, N. Y.
Mention the Florists' Exchange when writing.

SPECIAL SEED OFFER.
Cyclamen Persicum Giganteum, 1900 crop. A1 German Strain. White with red eye, dark red, pink, pure white, 100 seeds, 70c; 1000 seeds, $6.50; mixed, 100 seeds, 65c.; 1000 seeds, $6.00. This offer will expire on October 1st. Cash, please.
CONRAD EICHHOLZ, Florist,
P. O. Box 1036, WARREN, PA.
Mention the Florists' Exchange when writing.

ROSE PLANTS
In varieties, from 2½ 3 and 4 inch pots. Write for prices.

	100
Lemon Verbena, 3 in. pots	$4.00
Sansseviera Zeylanica, 3 in. pots	6.00
Asparagus Plumosus, 2½ in. pots	5.00
Asparagus Sprengeri, 2½ in. pots	4.00
Nephrolepis Cordata Compacta, 2½ in..	3.00
N. Cordata Compacta, 8 in. pans...per doz.,	6.00
Field-Grown, Scotch **Hardy Pinks,** at $3.50 per 100; $30.00 per 1000. 6 varieties.	

THE NATIONAL PLANT CO., Dayton, Ohio.
Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS...
and Novelties in Decorative Plants.
Market and 49th Sts., PHILADELPHIA, PA.
Mention the Florists' Exchange when writing.

ROSES
Bridesmaid, strong, from 3 in. pots, $4 per 100.

	Per 100
Geranium, 10 varieties, 2½ inch pots	$2.00
Giant Double Sweet Alyssum, 2½ in. pots	2.00
Swainsona Alba, 2½ inch pots	2.00
Lemon Verbena, 2½ inch pots	2.00
Hardy Phlox, good collection, 2½ inch pots.	2.00
Smilax, 2½ inch pots	1.25
Hardy Chrysanthemums, good collection, 2½ inch pots	2.00
Yucca Gloriosa, strong field-grown, $5.00 and	8.00

CASH WITH ORDER.
R. VINCENT, JR. & SON, White Marsh, Md.
Mention the Florists' Exchange when writing.

CYCLAMENS For Christmas blooming, Giganteum or Persicum, extra fine, large healthy plants, 3 inch, ready for 4 inch, $6.00 per 100; 200 for $10.00; 4 inch, $8.00 per 100. **Chinese Primula** red, white and mixed, 2 in., $2.00 per 100; 300 for $5.00.
Pansy Seed (New Crop). Superb Strain Prize Mixture, Bugnot's, Cassier's, Odier's and Trimardeau, separate or mixed, $2.00 per oz.
SAMUEL WHITTON, 15-17 Gray Ave., UTICA, N. Y.
Mention the Florists' Exchange when writing.

XXX STOCK For Immediate Shipment.
Cyclamen Persicum Splendens Giganteum, finest strain in the world, in 4 true colors, a splendid stock of plants, from 2½ in. pots, $5.00 per 100; $40.00 per 1000; from 3 in. pots, $7.00 per 100; $60.00 per 1000.
Chinese Primroses (fringed), single and double, in the finest market vars., from 2½ in. pots, $2.50 per 100.
Begonia Rex (rooted cuttings), in 15 vars., mixed, $1.50 per 100; assorted, $2.00 per 100.
Cinerarias Hyb. Maxima Grandiflora Nana, from 2½ in. pots, $2.50 per 100; $20.00 per 1000.
ALL STOCK GUARANTEED A No. 1.
PAUL MADER, East Stroudsburg, Pa.
Mention the Florists' Exchange when writing.

ROSES

Perle	**Sunset**
K. A. Victoria	**Sonv. de Wootton**

Strong clean plants, from 3 in. pots, $7.00 per 100, $65.00 per 1000.

Brides	**Golden Gate**
Bridesmaid	**La France**
Bon Silene	**Maid of Honor**
Duchess of Albany	**Niermet**

Strong, clean plants from 3 in. pots, $6.00 per 100; $55.00 per 1000.

LIBERTY 12 plants for.....$7 20
25 " " 12 50
50 " " 15 00
100 " " 28 00

Strong, Field-grown **CARNATIONS** Healthy Stock
America, Gen. Maceo, Mrs. Geo. M. Bradt, Buttercup.
1st size, $8.00 per 100; $70.00 per 1000
2d size, $6.00 per 100; $50.00 per 1000
Melba, Gen. Gomez, Jubilee, White Cloud, Armazindy.
1st size, $7.00 per 100; $60.00 per 1000
2d size, $5.00 per 100; $45.00 per 1000
Bon Ton, Daybreak, Eldorado, Flora Hill, Frances Joost, Psyche.
1st size, $6.00 per 100; $50.00 per 1000
2d size, $5.00 per 100; $45.00 per 1000
Firefly, Jahn's Scarlet, New York, Sea Shell, Victor, Thos. Cartledge, Alaska, Portia, Lizzie McGowan, Wm. Scott.
1st size, $5.00 per 100; $40.00 per 1000
2d size, $4.00 per 100; $35.00 per 1000
SMILAX strong plants, from 2½ in. pots, $2.50 per 100; $18.00 per 1000.
TRADE LIST ON APPLICATION.
WOOD BROS., Fishkill, N. Y.
Mention the Florists' Exchange when writing.

PRIMROSES
Improved Chinese, ready for 3 in. pots.
Single and **Double,** $2.00 per 100; $17.00 per 1000.
CYCLAMEN GIGANTEUM. Strong and fine, out of 3's, $4.00 per 100.
Extras added liberally to help pay expressage.

FINEST GIANT PANSY SEED.
The very best of mammoth varieties; no finer ever offered; all the seed plants critically selected. **Sow the Best.** Packet, 3500 seeds, $1.00; half pkt., 50 cts. A packet of the grand new dwarf Forget-Me-Not, "Blue Beauty," added to every seed order. Strictly cash prices.
The Home of Primroses, **JOHN F. RUPP, Shiremanstown, Pa.**
Mention the Florists' Exchange when writing.

CHINESE
PRIMROSES
50,000 Finest large-flowering fringed, per 1000, $15.00; per 100, $1.75.
Obconica Grandifl. and Rosea, ready Sept. 20, per 100, $2.00.
ASPARAGUS SPRENGERI, $3.00 per 100. PLUMOSUS, $4.00 per 100. | **PANSY SEED** Large Flowering, per ounce, $4.00.
CINERARIA, October 1, $2.00 per 100.
Cash, please. **JOS. H. CUNNINGHAM, Delaware, Ohio**
Mention the Florists' Exchange when writing.

VIOLETS, ASPARAGUS PLUMOSUS AND SPRENGERI

	Per 100
Asparagus Plumosus, 2¼ in.	$5 00
" Sprengeri, 2 in.	3 00
" " 2¼ in.	4 00
Baby Primrose, 2¼ in.	4 00
Begonia Rex, rooted cuttings	2 00
Forget-me-not, " " (winter)	2 00

	Per 100
Violets, Farquhar, 2¼ in., free of disease...	2 60
" " 3 in " "	3 50
Vinca, 2¼ in.....$3 00 3 in.	5 00
" 4 in.....10 00 5 in.	15 00
Vinca, rooted cuttings	1 25
" " " .....$10.00 per 1000	

Send for Descriptive Circular and prices for the best Florists' Hose Nozzle.
TERMS CASH or C. O. D. WILL EXCHANGE FOR CARNATION PLANTS.
GREENE & UNDERHILL, Watertown, N. Y.
Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

These Columns are reserved for advertisements of Wants, and Greenhouses, Land, Second-hand Materials, etc., for Sale.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

No advertisement taken for less than 50 cents, except Situations Wanted.

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

SITUATIONS WANTED.

ROSE and carnation grower wants situation; capable of taking charge, single, age 31. X. L., care Florists' Exchange.

SITUATION wanted by young man, 24, for general greenhouse work; 2 years' experience. Henry Bauer, 385 East 10th st., New York.

WANTED—Position by lady with florist; seven years' experience; excellent designer. Address X. R., Florist, care Florists' Exchange.

FIRST-CLASS maker-up and decorator wants change of situation; in store or commercial place; can produce the best references. Y. C., care Florists' Exchange.

FIRST-CLASS carnation and rose grower wants situation as foreman or section man; German, year's experience in this country, best references. Robert H. Cranston, 27 Clarke St., Westerly, R. I.

NIGHT fireman, with two years' experience, and thoroughly capable of caring for boilers, piping, etc., wishes situation; also can do general greenhouse work. X. Y., care Florists' Exchange.

FOREMAN or assistant in roses, carnations, chrysanthemums, violets and stove plants; 10 years' experience. (Situation wanted by October 1st.) Peter Hawsen, care Mr. G. Towall, Station M, N. Y.

SITUATION wanted by practical florist; German, 25, experienced in carnations, forcing bulbs, general stock and landscape gardening; willing and sober; open Sept. 18 or later. X. W., care Florists' Exchange.

YOUNG American, 19, desires to learn the culture of roses and pinks with reliable firm; six months' experience in general greenhouse work; best of references as to character. Address X. Z., care Florists' Exchange.

FLORIST, gardener, single, age 30, 14 years' experience in greenhouse and outdoor gardening, wants situation on private place; best of reference; state wages and particulars. Address Gardener, P. O. Box 152, Northport, Long Island.

SEEDSMAN—TRAVELING SALESMAN, who commands good trade in bulbs and plants, wants position with American or European house; good references exchanged. Y. B. Seeds, care Florists' Exchange.

HELP WANTED.

SALESMAN and maker-up wanted, must be up to date and thorough in every detail; reference. Apply L. Hart, 1000 Madison Ave., New York.

WANTED—Single man to take charge of section of rose houses; write, stating age, experience, and wages expected. D. Falconer, Chatham, N. J.

YOUNG man wanted to work in store; must have some experience in greenhouse work; references required. J. M. Gasser, 99½ Euclid ave., Cleveland, O.

WANTED—A young man for general greenhouse work, etc.; must be a quick potter; state wages expected. Address John H. Ramsay & Co., Bath, Maine.

WANTED—A thoroughly competent decorator and maker-up in a New York retail store; man must be of good address and reliable. Apply, stating experience and wages required, to Y. A., care Florists' Exchange.

GARDENER—Man to take charge of greenhouse and assist in decorating, and be thoroughly experienced in filling fern dishes; reference. L. Hart, 1000 Madison Ave., New York.

WANTED—At once, good grower and propagator of carnations; wages, $25.00 to $30.00 per month, with room and board; must start with $20.00 for first month; give age and name of last employer. A. Nelson, Notch Road, Paterson, N. J.

WANTED—Young men, experienced in budding and grafting roses and in making soft wood cuttings of shrubbery; steady employment, good wages; must be strictly temperate. Apply to The Elizabeth Nursery Co., or to George Reeg, Supt., Elizabeth, N. J.

WANTED—An experienced grower of palms, ferns and bulb stock, to take charge of tropical house adjoining city store; good salesman, decorator and maker-up preferred, willing to work and temperate; reference; wages moderate. Apply to the Melrose Floral Co., Harrisburg, Pa.

WANTED—In an old established import and export seed and bulb house, a young man under 20, as packer; must be strong and willing, and come well recommended; previous experience not essential; steady position and good chance for advancement. Address in own hand writing, X. V., care of Florists' Exchange.

CHANGES IN BUSINESS.

CROMWELL, CONN.—Edward Blinn expects to start in the florists' business here soon.

GLEN ROCK, PA.—W. S. Newcomer will engage in the growing of fruit trees and plants here.

DELHI, N. Y.—The Eggleston greenhouse property was recently sold on foreclosure, and bid in by George St. John for $750.

HOMESTEAD, PA.—Mrs. Altena J. Stewart has sold her greenhouse plant, located at Hope Church, near Homestead, Pa., to Frank James. She has removed to Thomas, Pa.

LOWELL, MASS.—William A. Roberts has withdrawn from partnership in the firm of Patten & Roberts, florists, having purchased an interest in the Norris Livery Co., of 15 Warren street.

HELP WANTED.

WANTED—An honest, young man, single, who understands general greenhouse work, potting, propagating, etc., able to look after fires if necessary, and to assist in making up designs; state wages, per month, with board; references and full particulars. Address Wm. A. Bock, 2394 Mass Ave., No. Cambridge, Mass.

FOREMAN wanted, must be man of unquestioned ability and character, successful and up-to-date grower, and a hustler, accustomed to handling men on place where palms, ferns, 'mums, azaleas, bulbs, budding stock, and everything used on a commercial retail place, is grown. Place consists of 10,000 sq. ft. of glass, located in Chicago; good wages to right man; best of references required; state where last employed. Address Y. D., care Florists' Exchange.

WANTED — A FIRST-CLASS ROSE grower who can graft; send reference and wages wanted. Emil Glaubor, Montclair, Colo.

WANTED—A COMPETENT WORKING foreman, posted in general nursery trees, shrubs and herbaceous plants. Address Letter X. T., care Florists' Exchange.

MISCELLANEOUS WANTS.

WANTED—600 feet 2-inch pipe, 3000 feet glass, not smaller than 10x12 in.; second hand; state price. P. Kratzer, Roslin, L. I.

WANTED—50 THUYA PYRAMIDALIS, 6 ft.; cash. Address Box 128, Westminster, Vt.

BUSINESS OPPORTUNITIES.

FOR SALE—Small up-to-date greenhouse plant and house, close to New York city; no reasonable offer refused. W. F. Lynch, West New Brighton, S. I., N. Y. City.

TO RENT—At Hollis, L. I., greenhouses and about eight acres of land, orchard and garden, together with four rooms in house wing, stable and carriage house; glass houses, 100x20, 100x20 and 75x15, also poultry house. Address "Owner," 124 E. 27th st., N. Y.

FOR SALE—14,000 feet of glass, used mostly for roses, 4 acres of ground and 2 dwelling houses; 3 minutes from station, city improvements, hot and cold water, and good forcing water in greenhouses supplied by Summit Water Co. On account of illness with rheumatism, will sell whole or part interest. A. Harth, Milburn, N. J.

MUSHROOM PLANT — TO RENT, 4 houses, 20x60 ft. each, capacity 6000 lbs., 5½ miles from Philadelphia; every facility; market for all grown; established trade. Address P. O. Box 96, Yeadon, Pa.

MISCELLANEOUS.

FOR SALE, some extra good second-hand 3-inch pipe, at 6c. per foot; also some 4-inch; secure it while it lasts. W. H. Salter, Rochester, N. Y.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.



Flatbush, N. Y.—The Flatbush boys will soon have one of the finest alleys in the state to practice upon. A. Schwalbach is having constructed eight new alleys in the spacious room hitherto used as a bicycle school and skating rink. The room is lofty, with a gallery around the sides, and, when completed, it will be an ideal place for holding matches, etc. Being on the ground floor is one of its greatest advantages. The Brunswick Balke Co. are putting in the alleys, which are to be ready by October 1.

The scores rolled Thursday evening are as under:

	1	2
L. Schmutz	112	133
P. Dailledouze	129	100
J. Hinnes	145	127
Papa Zeller	95	106
J. T. Raynor	139	135
E. Dailledouze	116	148
A. Zeller	136	167
P. Riley	191	151
C. W cker	86	140
C. Woerner	92	...
H. Dailledouze	124	127
H. Baylis	99	112
S. S. Butterfield	128	81



Buds.

These should be taken now as soon as they appear. There is no need to worry any more about the crown or terminal bud, as to which will be the better one to take, because most of the buds now forming are terminals. Where plants are still showing crowns, it is safe enough to take them when the season is so far advanced as this. They are easily handled, compared to the earlier crowns, and seem to be asort of compromise between the crown bud proper, and the terminal. I have yet to see the variety that will not produce a good flower from this bud. "Always disbud in the early morning" is advice as old as the hills. Then the young shoots are brittle and very easily removed. Always make sure that the bud you are retaining is perfect in shape. Sometimes young grasshoppers and caterpillars will eat away one side and when the flower develops it is worthless.

Grasshoppers have a liking for the choicest buds in the house; the only way to catch these pests is in the early morning when they are slow in their movements.

When the bud is taken the plants start right in making suckers and side shoots, and these must be kept picked off if you wish to concentrate all the energies of the plant into the flower bud. Bonnaffon is one of the worst varieties for making suckers, as a rule; but this year it is, so far, behaving like a gentleman in that respect.

Where mildew puts in an appearance the best remedy is to spray with sulphide of potassium, used in the same proportions as recommended for the rust; *i. e.*, one ounce to two gallons of water. This will not disfigure the foliage as sulphur does, and it will do the work just as efficiently.

Syringing should not be practised so frequently after the bud is swelling. The aim now is to ripen the wood, and this is done better with a drier atmosphere. As the buds commence to show color, overhead watering should be discontinued altogether, simply keeping the atmosphere moist by damping down the paths.

It is important that the aphis family should be wiped out before the buds show color. Smoke lightly, but persist in it for several successive nights and it will be generally found to be effective. If the fly shows itself again when the flowers are half way developed, the only thing to do is to strew the paths and benches with tobacco stems.

Flowers of the early varieties are beginning to straggle into the market, but judging by the prices obtained, there is no frantic rush to buy. Speaking generally, Robinson is the first one to come in that will command any kind of a price. Merry Monarch sold well last Fall, but it was simply because of circumstances. The flower is too soft to be of any use if anything else in the same color could be obtained just at the same time.

This growing season has been a hot one, but the bulk of the varieties have come through all right, the only difference being that they are, generally, more dwarf than usual, which is a blessing to the grower if his houses are low.

IORA.

Philadelphia.

The Market.

Business improved somewhat the past week; several of the stores have had wedding orders, and these, while not very large, have been very acceptable. There has also been a quantity of funeral work on hand. Transient trade has not increased; in fact, many storemen say that this month is duller, so far, than the corresponding period in August; and while flowers are not plentiful, there is still more than can be used.

Robert Crawford, Jr., is embellishing his store ready for the busy season, by painting, and adding mirrors. He also is making some changes in arrangement to provide more room for the increase of business.

Jottings.

Visitors in town this week included J. H. Wenthoit, one of the officers of the General Bulb Co., of Holland, and J. McHutchinson, representing August Rhotert, New York

The Pennsylvania Horticultural Society will hold its September meeting Tuesday next, and as a large exhibit is looked for, the exhibition is to be kept open free to the public on Wednesday. Exhibits of dahlias and outdoor cut flowers will be staged. The subject of the essay at this meeting will be "Dahlias," by L. K. Peacock.

Another trophy will soon be installed in the show case in the club room. John Westcott caught a 50 pound drum fish last week, down at Barnegat, and did it with a light rod and line. Suggestions as to the trophy are in order. This beats catching two perch on one hook.

DAVID RUST.

Colorado Springs, Colo.

The second annual flower show of the El Paso County Horticultural Society was held in Colorado Springs, Colo., August 23 and 24, and was in every way a pronounced success. There were over 1000 exhibitors, and the interest evidenced by the attendance of the public was all that could be desired. The cost of admissions was placed at 5c. for children and 15c. for adults, and the exhibition tent was crowded from the opening at 10 o'clock in the morning until 10 o'clock p. m. The prizes awarded and all expenses incurred were paid in cash within a week from the close of the show.

As an index to the work carried on by this Society, it is stated that 2000 collections of flower and vegetable seed were furnished by Messrs. R. & J. Farquhar & Co., Boston, Mass., for distribution among the school children; the children signing receipts for the seed, and agreeing to exhibit the product at the flower show. Ten prizes were offered by the Society, ranging from $5 to 50c. and 25c., Californian gold pieces, for each variety of flower and vegetable grown from these seeds.

Prizes in gold were also offered by the Society for the best maintained grounds connected with any of the public buildings; for the best kept front and back yards; for the best planted and most neatly kept home premises in the city, etc.

The work for next year is already being outlined, and will be carried forward upon a much wider scope; but the first aim of the Society is to interest the children in the growing of flowers, vegetables and fruits, and the care of their home surroundings.

H. C. H.

The following item was received by special courier from Philadelphia:

A progressive Philadelphia florist whose *viens* are always interesting, enlightened a select and critical audience of the brethren one warm night last week. The watermelon finish may have been more horticultural but not less appreciated.

New York Florists' Club.

A Big Gathering.

The large attendance present at the club meeting Monday evening, September 10, demonstrated that the enthusiasm of the members had not ceased with the close of the work incumbent upon them in connection with the recent S. A. F. O. H. Convention. In opening the proceedings President O'Mara took occasion to congratulate the members upon the outcome of their endeavors. He said the trade press had teemed with encomiums passed upon the club, and those present at the Convention had marveled at the smooth way in which the affairs of the exhibition and the different outings had passed off. He did not think the club itself need marvel when was remembered the conscientious work which the various committees had performed during the year.

Praise for Hall Decoration Committee.

Mr. O'Mara paid a glowing tribute to the Hall Decoration Committee, adding that its work will go down into the history of conventions as unique, as something better than was ever done before on a similar occasion, everything considered—limited material, nature of hall, etc., and as good, if not better than will be done again. He eulogized the assistance rendered by Ed. Bogan, now far beyond the allotted span, asserting that that gentleman's energy and willingness were well worthy of emulation by many younger men.

The President's Modesty.

Touching upon his election as president of the national society, Mr. O'Mara modestly disclaimed any personal worthiness for the honor bestowed, attributing his election more largely to the fact of his being the executive head of an organization that had achieved such grand results for the late convention.

Reports of Committees—Ways and Means.

A summary of the receipts and expenditures connected with the annual gathering of the S. A. F. O. H. was then read by Chairman John N. May, of the Ways and Means Committee, showing a most gratifying financial balance to the good.

Horticultural Exhibition—A Protest, and Sensible Disposition of It.

Mr. Herrington reported for the Horticultural Exhibition Committee: There were 59 classes in the schedule, in 42 of which there was competition. The number of exhibitors was 25, besides seven or eight others not competing. The prize of $100, awarded to the individual whose exhibits scored most points, was won by Wm. Duckham, gardener to D. Willis James, Esq., Madison, N. J., and after a protest in connection with the awarding of the $100 prize to the society whose members scored the largest aggregate of points with prize-winning exhibits had been fully considered by a committee consisting of Messrs. Theo. Roehrs, John Birnie, A. S. Burns, D. Y. Mellis and W. B. DuRie, the prize was awarded to the Morris County (N. J.) Gardeners and Florists' Society, the committee's decision being that "the points should be counted for the home organization of which the competitor is a member," thus upsetting an inexplicable attempt to pool the winnings of members in several different organizations for the New York Gardeners' Society, because these winners happened to be also members of the latter association.

Why Not a Fall Show in 1901?

Speaking of the success of the recent horticultural exhibition, President O'Mara urged a consideration of the necessity of holding a show in the Fall of 1901. He believed New York had reached that stage in horticulture when she cannot afford to be without a proper exhibition of her horticultural goods in the city at least once a year. He was very sanguine of the success of any such undertaking; all that was necessary being the courage to venture into it.

Visitors Talk on Various Themes.

Among visitors present were J. C. Vaughan, of Chicago; Mr. Campbell, of the Park Floral Co., Pasadena, Cal., and Alfred Dimmock, of St. Albans, each of whom was called upon for a few words. Mr. Vaughan confessed to lack of a proper subject to talk upon, until prompted by the president to "tell us how we missed a 900-mile ride in 1901." After which the speaker made some felicitous remarks regarding the selection of next year's meeting place of the S. A. F. O. H., adding that when Chicago once put out her latch-string she never drew it back; and it was still hanging outside.

Mr. Campbell praised the business-like manner in which the club's affairs were managed, and hoped the time would come soon when California would have a sufficient number of florists to entitle her to invite the S. A. F. O. H. to the Pacific Coast.

Irrigation and Thirst in California.

Some merriment was created by Mr. O'Mara's interrogation of the speaker as to the alleged non-ability of an Eastern man to get up a thirst on the Coast, owing to the moist climate. Mr. Campbell admitted it was possible to develop such a natural force, and there was every opportunity for quenching it. Being asked, he then went on to tell of the method of irrigation practiced in California, which was almost entirely surface-irrigation yet, accomplished by means of runways. Deciduous fruits were not much irrigated, but oranges, lemons and nursery stock were, the irrigation being followed up by pulverizing the soil in order to preserve the moisture. Sub-irrigation was yet in an experimental stage in California. Its advantages were more or less acknowledged, but the system was considered too expensive. It was also attended by the drawback of the roots filling up the small openings in the water pipes.

At the Paris Exposition.

Mr. Dimmock told of his visit to the Paris Exposition, the greenhouse part of which was not, to him, a very successful one; but the thermometer at time of his visit stood at 96 degrees in the shade, being very hard on plants. The best things observed were some foliage plants, such as crotons, caladiums and alocasias, a number of which were quite new. The foreigners seemed to be rather fond of the broad-leaved crotons, while over here narrow-foliaged kinds were preferred. What there was of the outside display was not bad, but some of the cooler growing trees and shrubs suffered terribly from the heat.

For Next Meeting.

The president then announced for next month's meeting an illustrated lecture by Mr. Henshaw on his recent European trip, also fuller details of that gentleman's recent tour through Porto Rico.

A Presentation.

On behalf of the club, Mr. O'Mara presented to Alexander Wallace $100 in gold, as a token of appreciation of his satisfactory endeavors in connection with the compilation of the club's Souvenir Book, the president eulogizing the Souvenir both as a work of art, and as a valuable contribution to horticultural literature, which would be highly prized by present and future generations. The recipient feelingly replied, thanking the president and members for this very tangible recognition of his efforts, also acknowledging the valuable assistance that had been given him in the work by his fellow-committeemen and others.

Sociality and Again Business.

Songs were then rendered by Messrs. Dimmock, Butterfield, Plumb, Clucas, Louis Schmutz and Wm. J. Stewart, after which further business was conducted. A committee, consisting of Messrs. May, Burns, Stewart, Wallace and W. A. Manda, was appointed to draft suitable resolutions to be engrossed and presented to Mr. Starin, for courtesies received from that gentleman during the Convention.

Votes of Thanks.

The vote of thanks by the ladies of the Convention to Chairman Sheridan of the Reception Committee, for his most courteous and efficient services, was conveyed to him by Mr. May, through the club. Mr. Sheridan made a suitable response. Votes of thanks were also passed to the exhibitors, and to the advertisers in the Souvenir.

Some Good Exhibits—Awards and Comments.

Exhibits were made, and awards given as follows: Bobbink & Atkins, Rutherford, N. J., showed some choice varieties of altheas, also sprays of Bignonia radicans grandiflora, flowers of the canna, Crimson Bedder, and a plant of the Japanese privet, Ligustrum Ibota compacta. The privet is a very fine leaved, compact variety and the award committee give it a high commendation, together with honorable mention. Honorable mention was also given to the bignonia, to the Hibiscus Leopoldii, and to the canna, Crimson Bedder. The other varieties of hibiscus shown were, H. totus albus and H. camelliæflora. H. Beaulieu, of Woodhaven, L. I., had a bunch of seedling dahlias, among which were two white ones of the cactus type. These two, the committee decided, were innovations.

Regarding Ligustrum Ibota compacta, Mr. Stewart remarked that the type was perfectly hardy in the Arnold Arboretum and in the vicinity of Boston, and if the variety shown displayed the same characteristic it would be sure to prove a valuable acquisition. Mr. Henshaw stated a plant of the Ligustrum Ibota, received from Japan, had proven hardy in the Botanical Garden in this city. It was also worthy of remark that all Japanese plants were hardy in the neighborhood of New York.

In reference to the dahlias exhibited Mr. Beaulieu said that he had had perfect immunity from thrips, and good success with his seedlings, both in wet and dry weather. Mr. Ward found that in seasons when there was an abundance of rain, dahlias did well with him; but as soon as a spell of dry weather was experienced, they were practically no good. Mr. Vaughan remarked that at Western Springs, unless there was a reasonable amount of moisture or some cool weather, he did not get the flowers. Another thing noted was a great difference in the flowering habit of dahlias. In order to obtain success it was necessary to have dahlias that have the flowering habit, and the right season.

Mr. Atkins' European Impressions.

The hour was now getting late, 10:30 p. m., but the members listened with interest to a short account, by F. L. Atkins, on the most noteworthy things observed by him on his recent European tour. In Liverpool, Eng., the speaker visited the parks and Botanic Garden, the latter of which had been much improved. He noticed, in going through the conservatories that over the footpaths were hung fuchsias, geraniums and Cobæa scandens, which practice he thought might be adopted by American growers with advantage. In the grounds, on the slopes, were planted violas, white and blue. Liverpool was taking a great interest in horticulture. The streets are decorated with California privet, planted in boxes, these being cared for by the municipal authorities. Thousands of window boxes of flowers are also made up and distributed by the city to those desiring them, prizes being given to the citizens caring the best for the plants. In the parks he saw thousands of specimen hollies, one particularly attractive variety being named Hodgsonsii. These hollies stand the salt air well. Mr. Atkins visited Hawarden Castle, where he saw the favorite oak of England's "grand old man," Right Hon. Wm. E. Gladstone.

At Wolverhampton the excellent growth of trees and shrubs was noted, as well as a well-maintained wild-flower garden. At the rose exhibition of the Royal Horticultural Society a pure yellow carnation, named Lord Bobs, was remarked; a large flower, and magnificent stem, the variety being introduced by Kelway. A collection of hybrid delphiniums also attracted the speaker's attention.

A Few Good Roses Enumerated.

Among the best varieties of roses noticed, he mentioned White Lady, Charlotte Gillemot, an ivory white; Clara Watson, which grows very fine in England; Countess of Caledon, rich crimson, semi-double; Killarney, L'Innocence, pure white; Jules Grolez, bright china pink; Marquis of Salisbury, semi-double, bright crimson; W. J. Grant, Imperial pink; Rosa rugosa fimbriata, pink with white edge, very suitable as a border rose; Comtesse de Nadaillac, Empress Alexandria, Souv. d'un Ami and its white sport.; Ernest Metz, a salmon-colored variety; Francesca Kruger, Hon. Edith Gifford, Meta, rich rose, a magnificent bud and stem; Muriel Grahame, one of the Mermet sports: white and pink varieties of Maman Cochet, Madame Rene Gerard, and Meta. In France, Mr. Atkins noted a new bougainvillea, a cross between B. glabra and B. Sanderiana, which would make a grand subject for cut flowers and decorative purposes. In Battersea Park, London, the sub-tropical bedding was the finest seen there in years. Bamboos had made magnificent growth this season. The evergreens at Kew Gardens were most remarkable.

Orchids Grown in Peat.

In Belgium he noted that almost every grower was cultivating his orchids in Belgian peat; and, judging from the appearance of the plants, it was certainly a grand idea, the odontoglossums being something wonderful.

Holland and France.

The nursery interests of Boskoop were also touched upon, and the speaker closed his interesting remarks with a narration of the hunting of the French authorities in the matter of ventilating and shading the horticultural building of the Paris Exposition. Mr. Atkins was tendered a vote of thanks; after which the meeting adjourned at 11 p. m.

Photographer Prince presented the club with the two group pictures taken at Glen Island, and was thanked therefor.

During the evening a liberal supply of refreshments was dispensed by the Entertainment Committee, who had promised to "blow off" the members, being as good as their word.

Fine, Field-Grown Carnations

1000 Mrs. F. Joost.....$5 00 per 100
500 Wm. Scott..... 4 00 "
500 Red Jacket..... 4 00 "
500 Victor..... 4 00 "
250 Triumph..... 4 00 "
Asparagus Sprengeri, strong, 3 in., $5.00 per 100.
F. E. SHAW, Florist, 328 Sunset Ave., UTICA, N. Y.
Mention the Florists' Exchange when writing.

FIELD-GROWING
CARNATIONS
Extra fine plants. Frances Joost, White Cloud, John Yoong, Daybreak, C. A. Dana, $5.00 per 100; seconds, $3.50 per 100. Cash with Order.
ROWEHL & GRANZ, Hicksville, L. I., N.Y.
Mention the Florists' Exchange when writing.

Daybreak Carnation
2000 fine plants, $5.00 per 100, or $75.00 for the lot.
Also 400 **Adiantum Cuneatum** ferns, from 6 in. pots, $10 per 100. Cash with order.
E. B. SUTTON, JR., Babylon, L.I.
Mention the Florists' Exchange when writing.

10,000 CARNATIONS

	Per 100	Per 1000
Flora Hill	$4.00	$35.00
Wm. Scott	$3 to 3.50	$25 to 30.00
L. McGowan	2.50	20.00

C. HUMFELD, - Clay Center, Kansas.
Mention the Florists' Exchange when writing.

CARNATIONS
Field-Grown, Strong, Healthy Plants.
McGowan, No. 1, $3.00 per 100; $25.00 per 1000; No. 2, good plants, $2.00 per 100.
Scott, No. 1, $4.00 per 100; $30.00 per 1000; No. 2, $2.50 per 100.
Daybreak, Victor and Flora Hill, No. 1, $5.00 per 100; No. 2, $3.00 per 100.
McGowan Sport. No. 1, $4.00 per 100; No. 2, $3.00 per 100. This we have selected and grown for the past six years. It has a stronger, straighter stem than McGowan and good for side benches.
CASH WITH ORDER.
CHAS. BLACK, Hightstown, N. J.
Mention the Florists' Exchange when writing.

CARNATION PLANTS

SCOTT	CRANE
McGOWAN	AMERICA
DAYBREAK	MACEO
PORTIA	GOMEZ
PINGREE	MELBA
ELDORADO	WHITE CLOUD

FOR CASH ONLY.
W. C. GOODRICH, West Troy, N. Y.
Mention the Florists' Exchange when writing.

FIELD-GROWN CARNATIONS
Genesee, Tidal Wave, Wm. Scott, Emily Pierson, Thomas Cartledge, $4.00 per 100; $35.00 per 1000.
Lizzie McGowan, $3.00 per 100.
SMILAX Extra fine plants, 2½ inch pots, strong and healthy, $2.00 per 100; 300 for $5.00.
BABY PRIMROSE Fine plants, in 3 inch pots, ready for a shift, $5.00 per 100.
Cash with order, please.
D. WM. BRAINARD, Thompsonville, Conn.
Pease and Garden Streets.
Mention the Florists' Exchange when writing.

PANSY PLANTS

Giant, fine mixed, very strong, per 1000, $3.00.

Orders not solicited for less than 5000. Special prices on 10,000 or more, buyer to pay express charges.

JOHN LAPPE, - Maspeth, L. I.
The Largest Pansy Grower in America.

Mention the Florists' Exchange when writing.

Pansies Worth Raising

Seed, 1/8 oz., $1.00; 1 oz., $4.00

Nice Stocky Plants, 500 for $2.50; 1000 for $4.00

Per express at buyer's expense. Cash with order.

CHR. SOLTAU, 199 Grant Avenue, Jersey City, N. J.

Mention the Florists' Exchange when writing.

PANSY SEEDS

Giant Trimardeau, fine mixed, trade packet, 20c.; oz., $1.75; lb., $15.00.

Fine mixed, **Mme. Perret, Cassier, Bugnot, Parisian,** trade packet, 25c.; oz., $2.25. Crop of 1900.

Cecile Davy, packet, 25c.; oz., $1.00.

Also the other varieties, at lowest prices.

SAMPLE FREE.

BEAULIEU, Walker and Belmont Aves. Woodhaven, N. Y.

Mention the Florists' Exchange when writing

PANSIES

The Jennings Strain

Of large flowered show and fancy Pansy Seed. New crop now ready. My 1900 Strain cannot be excelled, and is sure to give the highest satisfaction.

Finest Mixed, pkt., $1.00; 1/8 oz., $2.50; 1 oz., $5. **Yellow, White, Blue and Black,** in separate colors, 50c. per pkt., postpaid. Small Pansies, 60c. per 100, by mail.

Cash with order.

E. B. JENNINGS, Lock Box, 254. Southport, Conn
Grower of the finest Pansies.

Mention the Florists' Exchange when writing.

HERR'S PANSIES

ALWAYS THE BEST and better every year.

They sell themselves. Try a hundred as an experiment.

Plants only, and ready October 1st to January 1st. Free by mail, 75c. per 100; 250 for $1.50; 500 for $2.50.

By Express, at your expense, $4.00 per 1000.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing

VIOLETS Fine, healthy clumps of Lady Campbell, field-grown from young plants rooted in sand last Spring, $3.00 per 100; $25.00 per 1000. Plants that will please, well backed. Address

CHARLES BLACK, Hightstown, N. J.

Mention the Florists' Exchange when writing.

PANSIES

Good, strong plants, from my own selected stock, fancy colors and large flowers, $4.00 per 1000. Cash with order.

ALFRED FUNKE, Bergen Ave., near Cypress Ave., Box 151, Evergreen, L. I.

Mention the Florists' Exchange when writing.

VAUTIER'S

MAMMOTH PANSY

New crop seed now ready. This is the largest and finest Pansy ever offered. We have testimonials from florists from all parts of the U. S praising its size and merits. Trade packet, $1.00; oz., $4.00.

H. G. FAUST, 54 and 56 N. Front St., Philadelphia, Pa.

Zirngiebel Giant Pansy

PLANTS NOW READY.

Giant Market, $5.00 per 1000. **Giant Fancy,** $10.00 per 1000. **Also Seeds** of the above strains, trade packages at $1.00 each.

DENYS ZIRNGIEBEL, Needham, Mass.

Mention the Florists' Exchange when writing.

PANSIES

My strain is good and embraces a wide range of colors and varieties, 60 cts. per 100 by mail. $3.50 per 1000 by Express.

Hardy Plants at low prices, such as Veronica, Coreopsis, Funkia, Phlox, Columbine, Larkspur, Helenium, etc. Write for prices on quantities needed. Cash with orders please.

W. C. JENNISON, Natick, Mass.

Mention the Florists' Exchange when writing.

PANSIES

Harris's Improved Strain of large and extra fine colors. Plants from seed bed, 60 cts. per 100 by mail; $4.00 per 1000.

CARNATIONS 25 G. H. Crane, 25 Wm. Scott, 30 New York, 110 Melba, 140 Flora Hill, at $4.00 per 100; the lot for $10.00.

GIANT SWEET ALYSSUM Double, 2 inch pots $1.50 per 100.

CASH WITH ORDER.

C. A. HARRIS & CO., Delanson, N. Y.

Mention the Florists' Exchange when writing

Roemer's Superb Prize

PANSIES

PLANTS READY NOW.

Free by mail, 65 cts. per 100; 250 for $1.50. By express, $4.00 per 1000; $7.00 per 2000; $10.00 per 3000; $15.00 per 5000.

CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.

Grower of Extra Fine Pansies.

Mention the Florists' Exchange when writing.

VIOLETS FIELD-GROWN.

Farquhar, Marie Louise and California.
$3.00 to $5.00 per 100. Good stock.

FREDERICK A. TAYLOR, Canastota, N. Y.

Mention the Florists' Exchange when writing.

VIOLETS Large, field-grown plants of California, Princess of Wales and Campbell, in fine order. Sample, 10 cts.

ALBERT H. BROWN, Westboro, Mass.

Mention the Florists' Exchange when writing.

VIOLETS. VIOLETS.

Maria Louise, clean and healthy in every particular 3 in. pots, $5.00 per 100; ready.
Cash with Order.

WM. J. CHINNICK, - Trenton, N. J.

Mention the Florists' Exchange when writing.

VIOLETS Marie Louise, strong, field-grown clumps, perfectly healthy, $4.00 per 100; $35.00 per 1000. House-grown, equally healthy, $3.50 per 100; $30.00 per 1000. Cash, please. Sample, 10 cts.

SMILAX, 2 and 2½ in., strong, 1000, $7.50; 100, $1.00.

TRANSPLANTED CELERY PLANTS, strong, well-hardened, $1.00 per 1000, to close them out. $8.50 buys 10,000.

R. KILBOURN, Clinton, New York.

Mention the Florists' Exchange when writing.

VIOLETS From pots. Al stock, free from disease: **Lady Campbell,** $2.50 per 100; $20.00 per 1000; from 3 and 3½ inch pots, $4.00 per 100; $35.00 per 1000.

ROSES Meteors, Perles, 'Maids and Brides, extra fine stock, 3 inch, $3.00 per 100, $25.00 per 1000; discount on large orders.

CARNATIONS. A bargain on such varieties as **White Cloud, Flora Hill, New York, Evelina, Scott,** etc. Write for prices.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

Lady H. Campbell Violets

Clean, strong, field clumps, O. K. $4.50 per 100; $40.00 per 1000. CASH.

Dracænas, field-grown, $12.50.

Smilax, 2¼ inch, $1.25 per 100.

W. G. KRABER, Tremont St., NEW BEDFORD, MASS.

Mention the Florists' Exchange when writing.

Marie Louise Violets

Strong Healthy Plants,

$3.00 per 100, $25.00 per 1000.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

L. H. CAMPBELL VIOLETS Large, healthy, field-grown clumps $4.00 per 100; $35.00 per 1000.

SMILAX Large plants, will make fine strings this Winter, $2.00 per 100; $15.00 per 10,000.

CELERY PLANTS Strong, transplanted, in four leading varieties, $1.00 per 1000; $8.00 per 10,000.

GUSTAV PITZONKA, Bristol, Pa.

Mention the Florists' Exchange when writing.

VIOLETS!

5000 Marie Louise From 4 inch pots, positively free of all disease, single crown, $5 00 per 100; $40.00 per 1000.

5000 SCOTT CARNATIONS

Field-grown, A No. 1 stock. Write for prices.

2000 SELAGINELLA

Strong plants, from 3½ inch pots, $6.00 per 100.

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

VIOLETS MY SPECIALTY

Fine **Marie Louise,** from field	per 100,	$3 00
From flats, small, healthy	"	1 50
Princess de Galles, extra large, from field, from 6 to 12 inches wide	"	5 00
Good size	"	3 00

CARNATIONS

Very extra large **Wm. Scott** and **John's Scarlet,** from 12 to 15 shoots, $5.00 per 100; $45.00 per 1000.

Mrs. F. Joost, large size, per 100, $5.00.

Freedom, White Cloud, Daybreak, per 100, $4.00.

Cash with order. Sample by mail on receipt of 10 cts., except the large carnations, of which sample by express.

FERD. BOULON, Seacliff, N. Y.

Mention the Florists' Exchange when writing.

FALL, 1900 30,000 Violets and Carnations, &c.

10,000 2¼ inch Pot Plants, Marie Louise, L. H. Campbell, and Swanley White, $3.00 per 100, from 2¼ inch pots, clean. Also California and Luxonne, from flats, $1.50 per 100.

10,000 Field Clumps, Fine—Princess Wales, $6.00 per 100; L. H. Campbell and Luxonne, $5.00 per 100; California, $3.00 per 100.

10,000 Field-Grown Carnations, for Sept. delivery—McGowan, Portia and Scotts—$3.50 per 100, or $30.00 per 1000.

2000 fine, bushy, 2½ inch **Smilax,** $1.50 per 100.

2000 Double Sweet Alyssum, bushy, for Winter, $2.50 per 100.

Asparagus Sprengeri, 6 inch, 20c.; 5 in., 15c.

Cash, Please. BENJ. CONNELL, Florist, WEST GROVE, PA.

Mention the Florists' Exchange when writing

500,000 PANSIES Fine, Strong Plants. 50,000 DAISIES

Giant Trimardeau and Roemer's Superb Prize Strains of Pansies, 50c per 100, postpaid; $3.00 per 1000; $12.50 per 5000, express. Our large flowers' strain, 40c. per 100; $2.50 per 1000; $10 00 per 5000

Hardy Daisies, Snowball and Longfellow, 50c. per 100; $3.00 per 1000; $12 50 per 50,000.

Carex Japonica Variegata, 2 inch, $3.00 per 100; $25 00 per 1000.

Rex Begonia, 2 inch, fine stock, $3.50 per 100. CASH, PLEASE.

BYER BROTHERS, - Chambersburg, Pa.

Mention the Florists' Exchange when writing.

600,000 Pansies, The Best All-Round Strain,

BECAUSE we grow all our seed, saving it this year from over 10,000 plants carefully selected from the 400,000 we flowered and sold in Boston and vicinity last spring. We have been growing and perfecting this strain for over twenty years, paying special attention to form and substance as well as size and color. Many novel and rare colors not found in other strains are included and the proportion of light and dark is evenly balanced. They always bring the highest price and one sale insures another. **Awarded a First-class Certificate of Merit,** by the Massachusetts Horticultural Society. Plants now ready, $6.00 per 1000 by express, purchasers' expense. Smaller plants by mail, 75c. per 100 prepaid. Cash with order, please.

I. E. COBURN, 291 Ferry St., - EVERETT, MASS.

Mention the Florists' Exchange when writing.

Chicago.

State of Trade and Weather Conditions.

The weather here, so far as rains are concerned, continues seasonable in very striking contrast to that obtaining in the East, where drought seems the rule and no doubt accounting for the good stock of carnation flowers in this market. White carnations are too abundant for the demand, as outdoor stock is still in fine shape, Mrs. Fisher having been planted in large quantities solely for Summer flowering use, besides Evelina, Flora Hill and others. There are also good pinks and reds, which sell best; but $1 per 100 is a high price for anything, except some house-grown flowers, which from this on will begin to cut quite a figure and now sell for $1.50.

Last week, beginning Tuesday, all the wholesalers report a very dull trade, as bad as any time during the Summer. Shipping trade was not affected so bad, Bassett & Washburn particularly reporting fair trade for the season.

The Grand Army meeting in the city, followed by Labor Day, called for flowers in certain lines, which helped matters a little.

Asters are still very abundant. A few Lady Fitzwygram chrysanthemums showed up last week, but sold only at about 6c. Early chrysanthemums are not likely to cut much of a figure this year, as far as we can yet learn.

Prolonged heat still affects roses, but this will very shortly end. Peter Reinberg seems to have got rid of the troublesome gall fly at last.

Round About.

E. H. Hunt has added a modern cooler. 12 x 7½ feet, doubling their capacity, to meet increasing trade in cut flowers. This firm has on the press a fine Fall catalogue, elegantly gotten up, showing the stock dealt in.

Henry Muno, son of John Muno, the grower out on the Ridge, has started to learn the wholesale business.

A. H. Schneider, of Oak Park, has finished and planted to carnations two houses, 14 x 90 feet.

George Wittbold Co. put up the last new house this year, 28 x 125 feet, in a rush, and housed in it a fine lot of rubber plants from the open ground. As the Fall openings are now beginning Henry Wittbold is getting very busy in this line of work.

Ed. E. Piesor, of Kennicott Bros., is the last of the Convention crowd out. He is expected home at the end of the week.

Mr. and Mrs. O. P. Bassett have returned from their Summer home at the Delevan Lake, Wis.

John Fuhrman, 1651 N. Clark street, returned from his trip to Paris, England, Holland and Germany September 1, looking brown and hearty.

Club Meeting.

The first regular Club meeting will take place, after vacation, Friday, September 22, when lots of work will be cut out.

Now that the Queen of Edgely bowling cup is in the city, the query is what to do with it. Capt. Ed. Winterson, so far, has been its custodian, having given bond for its safe delivery at Buffalo next year. Some of the boys would like to show it in their windows for a time. "Oh, for a permanent home for our Florists' Club," is the cry now! Ess.

Indianapolis.

At the regular monthly meeting of the Indiana State Florists' Association, September 4, a committee, composed of Adolph Bauer, John Heidenreich and George B. Wiegand, was appointed to consider the advisability of holding a chrysanthemum show the latter part of next month. Another committee, composed of Fred Huekriede, Edward Bertermann and E. O. Nelson, was appointed to consider the question of preparing a float to appear in the flower parade during the October carnival. Both committees will report at the next meeting October 2. E. G. Hill, of Richmond, made a short address on the floral display at the Paris exposition.

FOREST TREES

We offer for sale the largest stock of Forest Tree, in this country, Sugar, Norway, Sycamore, Silver Leaf and other Maples by the thousands. Also Lindens Poplars, Elms, Willows, Mt Ash, etc., in large quantities, as well as a general stock of other nursery products. Address

STEPHEN HOYT'S SONS. - New Canaan, Conn.

Mention the Florists' Exchange when writing.

CHINESE PRIMROSES 2¼ and 2½ in. pots mixed, $2.00 a 100. FORBESII, magenta red, new, $5.00 per 100; 75 cts. per dozen. Cash, please.
JOHN E. DE WALT, Box B2, CARLISLE, PA.
Mention the Florists' Exchange when writing.

BABY PRIMROSES!
Out of 2½ in. pots, ready for 4 in., $2 per 100.
HENRY EICHHOLZ, Florist, Waynesboro, Pa.
Mention the Florists' Exchange when writing.

A BARGAIN IN CARNATION PLANTS
3000 Scott, 1500 McGowan, good medium plants; 175 Meteor, 75 Albertini, fine large plants. Make me an offer for the lot. Must have the land at once.
H. M. WOUNDY, New Canaan, Conn.
Mention the Florists' Exchange when writing.

SCOTT CARNATION PLANTS 800 well-rooted, large, $3.50 per 100; $25.00 for lot.
175 ADIANTUM CUNEATUM 3 in., $4.50 per 100. 125 ADIANTUM CUNEATUM, 4 in., $8.00 per 100. Cash with order, please.
CHAS. P. GULICK, Kingston, N. J.
RIVERSIDE GREENHOUSES.
Mention the Florists' Exchange when writing.

Extra Fine Field-Grown
CARNATION PLANTS
Let us figure on your wants.
CHICAGO CARNATION CO., Joliet, Illinois.
Mention the Florists' Exchange when writing.

CARNATIONS Field-grown, McGowan, Portia, $3.00 per 100; $25.00 per 1000. Flora Hill, Jubilee, $4 per 100.
Also a few other varieties left in limited quantities.
GERANIUMS Best varieties, 2½ inch pots, $2.50 per 100.
CYCLAMEN GIGANTEUM Extra, 2½ in. pots, $4.00 per 100.
RICHARD INSALL, West Moorestown, N. J.
Mention the Florists' Exchange when writing.

WM. MURPHY,
Wholesale Carnation Grower.
Sta. F., CINCINNATI, O.
Mention the Florists' Exchange when writing.

CARNATION PLANTS.
Strong field-grown plants, of Scott, Daybreak, White Cloud, Flora Hill, and Harrison's White. Cheap for Cash, at the
SPY HILL CONSERVATORIES,
Fishkill-on-Hudson, N. Y.
Mention the Florists' Exchange when writing.

FIELD-GROWN
Carnation Plants

GENEVIEVE LORD Finest Comercial Pink; fine plants, $12.00 per 100; second size, $10.00 per 100.

	Per 100		Per 100
The Marquis	$12.00;	second size,	$10.00
Ethel Crocker	12.00;	" "	10.00
Mrs. Thos. W. Lawson			15.00
Estelle			12.00
50 J. Whitcomb Riley			12.00
White Cloud			6.00
Flora Hill			5.00
America			5.00
Mrs. Joost			5.00
Evelina			5.00
Gomez			5.00
Maceo			5.00
Portia			4.00
Pingree			5.00
Seedling No. 30, fine plants			8.00

No. 30 is a bright pink, very free winter bloomer, averaging stems 2 or 3 feet.
Send in Your Order Promptly.
First Come, First Served.
H. WEBER & SONS, Oakland, Md.
Mention the Florists' Exchange when writing.

CARNATIONS FIELD-GROWN PLANTS
McGowan, Niveu, Bon Ton, and others, $5.00 per 100.
S. LITTLEFIELD, North Abington, Mass.
Mention the Florists' Exchange when writing.

FIELD-GROWN CARNATIONS
F. Hill, Scott, McGowan, Portia, Bridesmaid, Niveu, Eldorado, Gold Nugget, Morello, Jubilee, Armazindy, Meteor, Victor, Daybreak, Dana, Evanston, $3.50 and $5.00 per 100. CASH, PLEASE.
E. A. Llewellyn, Olean, N. Y.
Mention the Florists' Exchange when writing.

CARNATIONS
Field Grown MARQUIS.
First size, $15.00; Second, $10.00.
L. E. Marquisee, Syracuse, N. Y.
Mention the Florists' Exchange when writing.

25,000 MAUD ADAMS
Wm. Scott, McGowan and Portia.
In the best of health. This is not surplus stock Plants will be sent just as they run in the field. I do not plant any carnations this season. Write for prices.
FRANK NIQUET, Florist, Patchogue, L.I., N.Y.
Mention the Florists' Exchange when writing.

SURPLUS CARNATIONS
Flora Hill, White Cloud, Triumph, Daybreak, $5.00 per 100. Crane, America, Melba, Bradt. $6.00 per 100. Cash with order.
W. SABRANSKY, - - Kenton, Ohio.
Mention the Florists' Exchange when writing.

EXTRA CARNATION PLANTS
McGowan $4.00 per 100. Dana, New York, Lady Emma, Flora Hill, John Young, $5.00 Per 100.
Second Sizes Cheaper. Cash Please.
WILLIAM STUPPE, Hollis, L. I., N. Y.
Mention the Florists' Exchange when writing.

GRALLERT & CO.
Carnation Growers,
Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.
COLMA, San Mateo Co., CAL.
Mention the Florists' Exchange when writing.

CARNATIONS.
Strong, healthy, good size, well branched—Hill, White, Daybreak, McGowan, Scott, Cerise Queen, Victor, Eldorado, and others, $3.00 to $5.00 per 100; $25.00 to $35.00 per 1000. Let me figure on your wants.
W. H. WATSON, Lapeer, Mich.
Mention the Florists' Exchange when writing.

60,000 Field-Grown
CARNATION PLANTS

Argyle,	Flora Hill,
Pingree,	Triumph,
Tidal Wave,	Scott,
Evelina,	McGowan,
Daybreak,	Armazindy,

Per 100, $3.50; Per 1000, $30.00.
Evanston, $8.00 per 100; $50.00 per 1000.
White Cloud, $6 per 100; $50 per 1000.

ROSE PLANTS.
Meteor, Bridesmaid, Bride } Large, strong plants, per 100, $2.50; per 1000, $20.00.
GEORGE REINBERG,
51 Wabash Ave., CHICAGO, ILL.
Mention the Florists' Exchange when writing.

30,000 FIELD-GROWN CARNATION PLANTS
WHICH MUST BE SOLD AT ONCE.
Stock clean, healthy, extra fine roots, and guaranteed in every way. Low prices. Write immediately, stating what you need.
UNION ST. GREENHOUSE CO., Geneva, N. Y.
Mention the Florists' Exchange when writing.

CARNATIONS
Field-Grown Plants.
F. DORNER & SONS CO.,
La Fayette, Ind.
SEND FOR PRICE LIST.
Mention the Florists' Exchange when writing.

20,000 EXTRA FINE
FIELD-GROWN CARNATIONS
Scott, Flora Hill, McGowan, Mrs. F. Joost, Mary Wood, New York, Bon Ton, Albertini, Thos. Cartledge, Argyle, Gold Nugget, Lily Dean, Leslie Paul, Iris Miller, Elsie Ferguson, at $8.00 per 100; $50.00 per 1000.
Melba, G. H. Crane, at $8.00 per 100.
EVENDEN BROS., - Williamsport, Pa.
Mention the Florists' Exchange when writing.

EXTRA FINE
Field-Grown Carnation Plants,
Daybreak, $5.00 per 100; G. H. Crane, $8.00 per 100. John Young, $6.00 per 100; Gen. Gomez, $8.00 per 100; Sebec, $5.00 per 100; Scott, $5.00 per 100; Alaska, $5.00 per 100; Tidal Wave, $5.00 per 100.
ROSES.
Bride, Maid, Kaiserin, Meteor, 4 in pots, $5.00 per 100; $40.00 per 1000.
Also a large assortment of
PALMS, SAGOS, RUBBERS, BAY TREES, and BOSTON FERNS. Prices on Application.
HERMAN C. STEINHOFF,
578 Hudson Boulevard,
WEST HOBOKEN - - - - N. J.
Mention the Florists' Exchange when writing.

FIELD-GROWN
CARNATIONS
DAYBREAK,
$4.50 per 100; $40.00 per 1000.
Scott, Portia, and McGowan,
$4.00 per 100; $35.00 per 1000.
THE BOOL FLORAL CO.,
ITHACA, N. Y.
Mention the Florists' Exchange when writing.

CARNATIONS
WM. SWAYNE, Kennett Square, Pa.

LOOK HERE!
Fine Field-Grown
CARNATION PLANTS
McGowan, Scott, Daybreak, Storm King, $4.50 per 100; $40.00 per 1000.
Keller, Albertini, Jahn's Scarlet, Armazindy, Genesee, $5.00 per 100; $45.00 per 1000.
Cash with the order. 250 at 1000 rate.
JAMES E. BEACH, Bridgeport, Conn.
2018 PARK AVENUE.
Mention the Florists' Exchange when writing.

CARNATIONS
FIELD-GROWN.
Free from Disease and Healthy. The Run of the Field.
Price, $4.00 per 100; $39.00 per 1000.
Mrs. F. Joost, Triumph, Mrs. Jas. Dean, John Young, Evanston (Red Tidal Wave), Daybreak, Hector, Firefly, Portia, New York, Genesee, Victor, Empress and C. A. Dana.
Mrs. G. M. Bradt, $6 per 100 plants, strong and healthy.
We pack our Carnation plants tight, and guarantee same to arrive in good condition. We have Adams and Southern Express, and fill all orders straight through at special plant rate.
A. B. DAVIS & SON, Purcellville, Va.
(Near Washington, D. C.)
Established 1866.
Mention the Florists' Exchange when writing.

New Varieties of
CARNATIONS
Grown from seed and named after my three grandchildren. We have grown these under ordinary culture for the past four years, and find them equal to any and far superior to many other varieties.
RUSSELL Clean, healthy, and the most vigorous and prolific we have ever grown or seen. We believe it is the best general purpose Carnation ever sent out. Grown side by side with Scott, it is far ahead of it in every respect, except size, which is about the same. It has never burst with us, when others in the same house have done so badly; it is a lively light-rose pink, distinct from anything we have ever seen; very fragrant. Where an abundance of good, fair sized blooms is wanted, it cannot be surpassed.
MILDRED A strong grower, with very long, strong stems. Flower very large, and a continuous bloomer. A fine shade of light, soft pink.
WILLIE Strong grower, with long, stiff stems. Flowers very large, of a bright shade of very dark rose pink. A continuous bloomer. We have more than we have room to house, and offer extra fine plants within reach of all. No. 1 plants, $1.50 per doz.; $6.00 per 100
CHAS. BLACK, Hightstown, N. J.
Mention the Florists' Exchange when writing.

20,000 CARNATIONS $25.00
1000 strong, healthy, field-grown plants of **Daybreak, Scott, McGowan, New York** and **Joost.** Cash with order.
R. J. GARDNER, Bayside, L. I., N. Y.
Mention the Florists' Exchange when writing.

4 ACRES FIELD-GROWN CARNATION PLANTS--120,000
Our Carnations this year are very fine. They have been grown with the greatest care, free from disease, and are packed light by our improved method of packing, by which we can send to all parts of the United States, in perfect condition,

MAYOR PINGREE	BUTTERCUP	G. M. BRADT	
	$1.50 per dozen; $8.00 per 100.		
CRIMSON SPORT	ARMAZINDY	MAUD ADAMS	WHITE CLOUD
ELDORADO	DAYBREAK	JUBILEE	TRIUMPH
MELBA	$1.25 per dozen;	$6.00 per 100.	
McGOWAN	MRS. FISHER	ALBERTINI	PORTIA
METEOR	L. L. LAMBORN	C. A. DANA	WM. SCOTT
DOROTHY SWEET	FLORA HILL	SWEET BRIER	
	$1.00 per dozen;	$5.00 per 100.	

PANSY PLANTS Grown from extra choice seed, of our own production, and not surpassed in variety, size, beauty of coloring or freedom of bloom by any other grown. Price, 50 cts. per 100; $4.00 per 1000.
Mention this paper. J. L. DILLON, BLOOMSBURG, PA.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO., LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.60.
Payable in advance. The date on the address label indicates when subscription expires.

CHANGES OF ADDRESS.

When notifying the publishers to send the paper to a new address, give both old and new addresses.

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The publishers can supply binders which will hold the papers for one complete volume, keeping them in perfect order for ready reference. Price, postpaid, $1.00.

ADVERTISEMENTS, $1.25 PER INCH.

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Copy must reach this office not later than Thursday in order to secure insertion in issue of the following Saturday.
Orders from unknown parties must be accompanied by cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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American Carnation Society.

CARNATION REGISTRATION.

LENA—Color a little darker than that of Scott; size 2½ to 3¼ inches. Stem very stiff and of good length; very productive and never bursts. Vigorous and healthy. Has been grown for seven years and gets better every year. Registered by J. Howard Pyle, Willowdale, Pa.

ALBERT M. HERR,
Lancaster, Pa. Secretary.

The Galveston Disaster.

In view of the terrible disaster which has overtaken the people of Galveston and other Texan cities, the FLORISTS' EXCHANGE believes that the trade in general would be willing to aid in alleviating the distress of the sufferers by contributions of money and otherwise, and to that end, opens its columns for the publication of the names of those sending subscriptions which can be forwarded direct to the committee of which Mayor Van Wyck, City Hall, New York City, is at the head, or to Governor Sayers, Austin, Texas.

PRIZE PHOTOGRAPHIC CONTEST.

For Month of August, 1900.

As mentioned last week, Mr. Edward Bierstadt, who kindly acted as judge, awarded first prize to Mr. A. J. Pennock, of Lansdowne, Pa., for a landscape photograph.

Mr. Bierstadt says: "The photograph of Mr. A. J. Pennock was awarded first prize on account of its artistic merit. It has the combination of foreground, background, light and shade necessary for the production of an artistic picture. It gives a feeling of atmosphere in it, which, to an artist, is very important. It has also that sharpness that is required as one of the charms, but notwithstanding this sharpness it does not interfere with the general view that gives it its excellence. As a photograph, you might say, also, that it is clean work."

Mr. Rudolph Windt's picture of a vase and bed in Forest Park, St. Louis, is highly commended because "the work is clean. I cannot say that the subject is chosen with very good taste, nor chosen with an idea of getting a good perspective."

Mrs. A. H. Austin, of Charlestown, Ohio, is highly commended for a landscape photograph. "The same description as for Mr. Pennock's would answer, only that this lady did not handle the plate as carefully as she might have done. The fact of a figure coming in once or twice gives a person some idea of relative size. If she had made a little more sky and little less foreground, it would have been still better." (This photo we have not reproduced, it being also an aquatic scene, on the order of that by Mr. A. J. Pennock, shown in this issue.)

Mr. Bierstadt further says: "Unfortunately too many amateurs choose the middle of the day for their photographic work, at which time the light is so strong from directly overhead, that they get that spotty effect shown in so many of the pictures submitted for my consideration. There is also shown a too general desire to get more on a plate than should be attempted; in other words, seek concentration rather than diffusion. Artistic effect of foreground, depth, detail and background, are not sufficiently striven after. These are all points for careful consideration before taking your picture.

"Many of the photos submitted would have stood closer to a prize had these factors been studied."

Mr. Pennock states that the first prize photograph was taken with Queen Pantograph lens, stop 22, time exposure 2 seconds, clear; Cramer plate.

Mr. Windt informs us that in making the photograph of the canna bed and flower vase the largest stop was used; exposure 1-25 second. The picture was taken in sunshine, at 1:45 p. m., the camera facing east.

Mr. Windt sends the following acknowledgment regarding July contest, in which he took first prize:

Publishers Florists' Exchange:

GENTLEMEN—I desire to express my thanks for check received August 17 for $5.00. I also thank you for congratulating me upon being so successful in winning the first prize. This was my first attempt in entering a prize contest.

St. Louis. RUDOLPH WINDT.

Society of American Florists and Ornamental Horticulturists.

DEPARTMENT OF PLANT REGISTRATION.

The Conard & Jones Co., of West Grove, Pa., register the following cannas: "Montana"; flowers bright cream yellow. "West Grove"; color, rich coral pink, slightly dappled with crimson and shaded yellow in the throat. Foliage green, slightly edged with purple, large and exceedingly tough.

WM. J. STEWART, Secretary.

Notice to Plant Introducers.

All firms having offered for sale for the first time in this country any species or variety of plants or ornamental trees or shrubs, are requested to send notification, giving origin and brief description to be included in the list of plant introductions in America for the year 1900, which is to be published in the annual proceedings of the S. A. F. Please forward immediately to

WM. J. STEWART, secretary,
67 Bromfield street, Boston, Mass.

A Winter Meeting of the S. A. F. O. H.

There are doubtless many members of the S. A. F. O. H. who will view with favor the suggestion of Mr. Robert Craig, of Philadelphia, that the national society hold a Winter meeting and exhibition. In later years there seems to have arisen an urgent need of a gathering other than the Summer one, which has gradually become more of an annual outing for pleasure rather than an assembling of business men met for business purposes.

A Winter meeting need not in any way impair a convention held at the time of the year heretofore chosen for such. We can have both, and the business of the Society will be still further promoted by the holding of both. Divest the Winter meeting of the concomitants that usually attend the August gatherings,—president's reception, a magnificent spectacle, doubtless, but a meaningless one, outings, bowling, etc., and come down strictly to a consideration of matters affecting trade interests, barter and affairs more in consonance with the "commercial age" in which we live. For it is impossible to maintain or advance one's business standard by simply indulging the social element in our beings, particularly when commercialism is dominant in every walk of life.

We firmly believe that "a Winter meeting, for business only" is imperative for the future welfare of the S. A. F. O. H., and that it would receive the endorsement and encouragement of the more practical-minded members, which means the large majority, and whose opinions on the subject we shall be pleased to receive for publication in the FLORISTS' EXCHANGE.

Flower Shows in New York.

One of the best and most important lessons taught by the recent horticultural exhibition in New York is that the gardeners and florists of the city and neighborhood are capable of putting on view a display of plants and flowers, unrivaled, perhaps, anywhere in the country. With this knowledge at hand, the suggestion of President O'Mara (at all times practical, and not more so than on this occasion) that the Florists' Club begin to consider the advisability of holding a flower show in the metropolis in the Fall of 1901, is deserving of earnest thought. No one will question the truth of Mr. O'Mara's comments that "New York has reached that stage in matters horticultural when she cannot afford to be without an exhibition of these goods at least once a year," and few, that give the subject serious consideration, but will share in the sanguineness of the president of the Florists' Club regarding the ultimate success of the venture, when viewed in the light of recent experience—so far as the making of an exhibition is concerned, at all events. The matter of its paying qualities, from an attendance standpoint, may, however, create a little doubt in the minds of some of the less optimistic.

The show in the Grand Central Palace, so far as the general public's appreciation of it is concerned, can hardly be taken as a gauge of the city people's interest in such displays, as "society had not yet returned to town," yet there was sufficient evidence that enthusiasm in affairs of the kind was not wanting. With a flower show, well advertised, well managed, well presented at a proper season of the year, and a popular admission price, all of which can be done in New York, were it so willed, we believe no fear need be entertained on the score of patronage.

Courage, brave hearts! give it another trial, and begin work NOW.

New York.

The Market.

We are now in the middle of September and business shows no signs of an improvement. Usually by this time the Summer dullness is beginning to pass away and trade brightens up; this year seems an exception, however. The Summer has been a warm one, still continues so, and we do not look for much change in business circles until cooler weather comes to stay.

On Wednesday morning the thermometer registered a temperature of 87 degrees and a southwest wind was blowing at the rate of 60 miles an hour. This kept up the greater part of the day, and its effect on outdoor flowers, specially asters, has been anything but beneficial. So far, this year, asters have not been up to their usual standard of quality in the New York market, and if the late ones do not show up much better than those already sent in, the chances are that early chrysanthemums will have a good market, when they begin to arrive. Roses are coming in in much heavier supply than the demand for them calls for, and a great many have to be "thrown away," while plenty are sold at from 10c. to 25c. per 100. First-class blooms are scarce, however, and bring better prices.

Noticing some boxes of roses opened one morning this week, we were forcibly reminded of what a Pittsburg retailer said to us during the convention week. "Pittsburg retailers," he said: "do not like to have roses shipped from New York, because the wings have to be plucked before they are salable," meaning that the outside petals have to be torn away because they are bruised by being packed carelessly. The boxes referred to had been filled so near the cover that the outer petals were all spoiled. After taking the pains to grow nice roses, reasonable care should be exercised in the packing to insure their arrival in the market in the best possible condition.

Carnations are a complete glut; many have been sold at 20c. a 100, while a few of the newer sorts have reached $1 per 100. A few bunches of Ethel Crocker have been on the market, and it is evident that this variety is going to be a favorite, its pleasing color making it saleable at first sight.

Asters and gladioli are also a glut and no steady price can be quoted for them.

The holders of lily of the valley are inclined to be somewhat firmer, and from $1.50 to $2.50 per 100 is asked. Buyers are shy, however, and the stock is not moved very satisfactorily.

Cattleyas remain about the same as last quoted. Cypripediums have begun to arrive; 12c. each is the figure asked. Asparagus, smilax and adiantum remain about the same as last week with a fairly good supply coming in.

Among the retailers theatre business is the chief line. The Broadway stores have felt quite an increase in this branch of the trade, some nights the demand being greatly in excess of other years. Uptown stores are not affected much by the theatre trade, however, and some of them are quieter this month than they were last.

Auction Sales.

Cleary & Co., 60 Vesey street, opened the auction season on Tuesday with a sale of palms, evergreens, shrubs, etc.

Wm. Elliott & Sons will commence their season on Tuesday next with a sale of decorative foliage plants.

There will also be offered at this sale a number of cases of Lilium Harrisii, Roman hyacinths, and other bulbs.

Jottings.

Rowehl & Granz, of Hicksville, L. I., are sending quantities of fine dahlias to the city. This firm has recently established a nursery at their place and have a nice stock of young maples, privet, spruce, etc., planted.

Joseph Rölker, who arrived from Germany recently, reports very favorably upon the seed and bulb crops as he saw them while abroad. Mr. Rölker also was very favorably impressed with the palms and sweet bays seen in the neighborhood of Ghent, Belgium. Specimens of the latter are numerous, and the prices run into thousands of dollars per pair.

A. H. Langjahr, Brooklyn, has been enjoying a week's vacation

W. Duckham, Madison, N. J., sailed on the S. S. Umbria last week for a visit to England.

An early delivery of Southern wild smilax was made to H. A Bunyard, who received the first consignment of this vine from the South on the 4th inst.

Toronto.

The Industrial Exhibition.

The show of plants at the Industrial Exhibition, this year, was again in advance of former years. In the section for 50 foliage plants, distinct varieties, the pots were this year limited to 18 inches, instead of any size as in former years, and the change was a decided improvement. The plants shown by Exhibition Park and the Central Prison were about as pretty a lot of clean, well-grown stock as one would wish to see, all of them testifying to careful culture and selection; these two lots were awarded equal first prizes. In the groups of plants arranged for effect, the Horticultural Gardens took first prize, with the best group of plants I have ever seen shown for this prize; they were clean, choice and well-grown, arranged with great taste, every plant to the best advantage, nothing crowded, and yet the effect produced was all that could be desired. The second prize was taken by the Government House with a fine collection; these were rather crowded, but produced a good effect. Third and fourth were taken by Manton Bros. and Grainger Bros. with well-arranged groups of commercial plants.

There was great competition in the classes for large palms, many fine plants being shown. The class for one specimen fern was a good one, there being six plants shown, all good ones; first was taken by Reservoir Park with a fine Davallia Mooreana; second by Exhibition Park with Microlepia hirta cristata; third by Horticultural Gardens, also with a microlepia. All the plants exhibited in this section were over five feet across. The crotons in 10-inch pots were a beautiful lot of plants; the same may be said of the dracæaas in 9-inch pots.

There was considerable competition in the section for flowering plants, and while many good ones were shown, no single exhibit had a full lot of good subjects. In the section for 12 plants about eight were good and the other four poor; this is certainly not as it should be.

A new exhibitor, George White, gardener to Major Pellate, made six entries in begonias, geraniums, fuchsias and selaginellas, and took six firsts, all his plants evidencing first-class cultivation.

The prize winners are about as follows, in the order named;

J. Chambers, Exhibition Park; Wm. Houston, Central Prison; A. Watkins, Horticultural Gardens; Geo. Reeves, Reservoir Park; Manton Bros., Eglinton; L. J. Graham, Goverament House; Grainger Bros., Deer Park; Geo. White; Grobba & Wandrey, Mimico. The judge was Ed. Mepsted, of Ottawa, and his decisions gave general satisfaction, although the competition was in several cases remarkably close. Geo. Miller, the new superintendent, proved his ability to fill the position by having everything staged up to time, and Geo. Vail, the chairman of the committee, is a pleased man that the first part of the show proved so good.

The show of cut flowers at the Industrial exhibition last week was generally good. The floral designs were very good, and gave the judge considerable trouble to decide which should take the honors. In the section for large designs there were five entries, and four of them were a credit to the exhibitors. The first prize was taken by Grainger Bros. with a piece that was quite up-to-date—a Union Jack in natural flowers, with ivy leaves and long-stemmed Lilium lancifolium album, nicely arranged. The second prize went to Dunlop with a very fine wreath on an easel. This piece, I thought, was the best I had ever seen. The third was won by Fred Brown with a lyre, also a very fine design.

Some of the roses exhibited were good, others poor. A few Liberty shown were not at all good; but both Dunlop and W. Muston, who exhibited the flowers, say the plants are growing well.

Carnations were poor; asters good, but all the collections of the latter had a good many duplicates in them, and in the section that called for Truffaut's and Victoria asters, Semple's and other branching kinds were shown.

The collections of annuals were not so good as usual, but the perennials and hardy shrubs were the best I have seen here. Gladioli were very fine. The water lilies were not up to the usual standard; the same may be said of the cut cannas. Dahlias were also poor; the weather was very hot and the flowers soon got *passe*, a good many of them going to sleep before the evening of the second day.

Jos. Bennett, of Montreal, was judge, and with all the keen competition, his decisions were generally considered fair.

The show of fruit was very satisfactory, apples, pears, grapes and peaches being both good and plentiful. The fruit building was so crowded that several extra tables were filled. Geo. Mills was superintendent, and ably filled his position.

Among the visitors to the show were J. Bennett, Montreal; C. Scrim, Ottawa; Wm. Scott, of Pan-American, Buffalo; Messrs. Holt, Morgan and Webster, of Hamilton; Mr. Jordan, Peterborough; Mr. Scott, Orangeville; Mr. Brooks, Fergus; Mr. Prowse, Brantford; Mr. Terrill, Pletou; and others, whose names I did not get.

Messrs. Bennett and Scrim went on to Buffalo with Mr. Scott to view the grounds of the Pan-American.

Trade News.

Business outside the exhibition is still flat and unprofitable. The weather is yet warm and dry, and there is not likely to be much improvement until we get cooler nights and the people come back to town. The city is still full of visitors, but they are not of the flower buying sort.

There is no change in values of cut flowers; the prices on really good stock are stiff, but stock that is not gilt edged can be bought for the buyers' price, generally.

Simmons, of Yonge street, has just finished decorating his store, and a pretty place he has made it. Dunlop is redecorating his King street store; this latter is the handsomest florist's store we have here. T. M.

Montreal.

Trade Notes.

With the return of Society from the Summer resorts, trade is beginning to show signs of life. The principal trouble just now is to secure good flowers. A welcome rain has arrived, and will greatly facilitate the housing of carnations. In many sections the sudden change from very wet to very dry caused the soil to bake and crack in an unusual manner, and made the removal of the plants from the soil impossible..

Chrysanthemums are coming along finely and promise to be of a very good quality. Clematis paniculata is now in flower, and is invaluable in any place where cut blooms are needed.

Horticultural Society Shows.

The first annual exhibition of the Lachine Horticultural Society was held in the Town Hall, August 30 and 1, and was in every way a splendid success. The exhibits were of the highest merit, the amateur section especially so; in fact, these exhibitors entered in many of the open sections and captured several of the honors from the professionals. In plants the hanging baskets of ferns and asparagus cannot be passed unnoticed; the equal of this display has yet to be seen in this locality. In cut flowers, the amateurs were beyond comparison. A table, containing 25 vases of asters, exhibited by Mr. Walker, was superb. The committee did not anticipate such a large number of exhibits or as large an attendance of visitors; in consequence the hall space was entirely inadequate. Another year it is to be hoped the committee will arrange for sufficient space to give the amateurs full consideration. The enthusiasm engendered by the late show should be maintained at any cost. Among the professional exhibitors, The Forest and Stream Club (Tom Mc. Hugh), J. Bennett's greenhouses, C. A. Smith and Willie Hall of Outremont, were conspicuous.

The Montreal Horticultural Society held its annual exhibition in Drummond Hall on Tuesday and Wednesday September 11 and 12. This is a new exhibition hall and an ideal one for the purpose. It is centrally located, and can be procured for a reasonable rental. The exhibit of plants and flowers was very fine, but the fruit and vegetable section fell far below the average of former years in quantity. The place of honor in the decorative sections was easily taken by W. J. Wilshire, his exhibits being fully up to their usual standard of excellence, his specimen hydrangeas being especially worthy of notice. The attendance, we regret to say, was disappointingly small.

Club Notes.

A very small attendance was the feature of the meeting Monday night. A couple of members were proposed; the same members were elected to membership. Two very fine papers were read. John Eddy, a vegetable expert, read one on storing vegetables in Winter. One of the most interesting bits of information it contained related to tomatoes. Mr. Eddy says if the green fruits are taken before frost, spread out on freshly broken soil in the garden and covered with straw to protect from frost, they will keep in perfect condition until January; when taken inside they will ripen in a few days, and their flavor will be unimpaired. A. C. Wilshire read a paper entitled: Ferns for Florists' Use; the varieties with ironclad constitution that he could confidently recommend were Aspidium tenuisimum, Cyrtomium falcatum, Polypodium nuremm, Lastrea chrysoloba, Pteris cretica, P. serrulata, P. tremula, P. Ouvernardii, Polystichum angulare, Nephrolepis exaltata bostoniensis, N. exaltata and N. cordata compacta and Gymnogramme chrysophylla. B.

Omaha, Neb.

Omaha still swelters, and consequently a dullness in trade remains. But everybody is cheerful because cooler weather is on the way. B.

The Donaghues, Sr. and Jr., spent several days shooting in the sandhills and bagged 140 prairie chickens and ducks. B.

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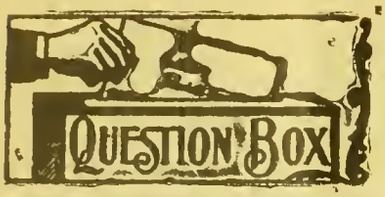

(186). **Fruit Tree Seedlings.**—Can you tell me what the duty is on fruit tree seedlings imported from France? Or are American-grown seedlings just as good? Which is better, French or Japan pear seedlings?—W. S. N.

—American-grown seedlings are just as good as those produced in any other country. The duty on importations of seedlings, three years old or less, is $1 per 1000 plants and 15 per centum ad valorem.

(187) **A Beautiful Weed.**—I send you by same mail a sample of weed growing between here (Moneta) and Redondo, Cal. There are acres and acres of it. It is growing in the sandy land and where nothing else will grow, the soil is very dry at this season and unusually so this year, owing to the drought. Moneta is about 12 miles from Los Angeles; and Redondo is six miles from here, on the sea coast.

The specimen flower is rather a poor one, as it would make too bulky a package to send you a large one through the mail. In color it is white and of different shades of pink. The plant grows from a foot to three feet in height. It makes a beautiful sight in the morning when wet with the early dew.

Please state through the columns of your paper whether it has any commercial value, and give the correct botanical name, and greatly oblige, J. J. DEAN.

—The name of the plant sent is Eriogonum vimineum.—G. W. O.

(188) **Wintering Celery Without a Cellar.**—C. HASS.

—Dig the celery at the approach of Winter and pack it carefully into a trench. The following from "Celery Culture for Profit," by Greiner, tells how to make such a trench: "We throw out a trench four feet in width, putting half the dirt on each side to facilitate covering. The trenches are just far enough apart to drive between and unload from each side. A board is run through the center of the trench to prevent the celery from crowding together too closely. The upper edge is about on a level with the top of the celery. If not packed too tight, it will keep longer without rotting. The trench is dug two feet deep, more or less. Rafters are cut from two by four scantlings (hemlock or chestnut), at an angle that will bring the peak or ridge four feet from the bottom of the trench. Generally, three boards, a foot wide, will cover each side. Ventilators are made from common fence boards, inserted at reasonable distances, and in severe weather stuffed with litter to exclude frost. For about two weeks after storing, celery will 'sweat' and throw off a great deal of moisture. We therefore slip the roof on as soon as we can after filling the trench, to keep off rain, and leave the soil covering off as long as we dare. At the approach of real cold weather we simply put about a foot of earth all over the roof. With rafters four feet apart we have no trouble about the roof settling under its weight."

(189) **Noisette Roses.**—Will you kindly give the following explanation in the columns of the EXCHANGE? There is a class of roses termed the "Noisette." What does the word "Noisette" mean, and how did it originate? Also give list of roses included in this class. A full history would be greatly appreciated and settle an argument.—JOHN SMITH, Buffalo, N. Y.

—The word Noisette is obtained from the name of a French gardener who, in the year 1817, produced a hybrid between the China and the musk roses and called it the Noisette, after his own surname. This took place at Charleston, South Carolina. Many fine varieties have sprung therefrom, the chief characteristics being a very vigorous growth and the flowers coming in clusters. Ellwanger, in his book on the Rose, says that John Champney, also of Charleston, South Carolina, raised a variety from the seed of the white musk rose, fertilized by the blush China, which was called Champney's Pink Cluster. A few years after, viz., 1817, Philippe Noisette raised from the seed of Champney's Pink Cluster a blush variety, and sent it out under the name of the Noisette rose, not giving credit to Mr. Champney as the originator of the class. The same writer also says that these roses originally had the characteristics of the old musk rose, such as scent and a tendency to bloom in large clusters. The group is naturally of strong growth and nearly hardy, but the varieties which are now commonly grown have generally tea blood in them, and have, therefore, lost much of their hardiness, as well as the habit of blooming in clusters. Among the true Noisettes are the following varieties: Aimee Vibert, Beaute de l'Europe, Caroline de Marniesse, Celine Forestier, Elisa Boelle, Lamarque, Marechal Niel, Ophirie, Solfaterre, Triomphe de Rennes, Eugene Pirolle, Beauty of Greenmount, Fellenberg, Pumila, Washington, Woodland Marguerite.

(190) **San José Scale on Apple Trees.**—W. O., Patchogue, N. Y.

—I regret to state that the leaves which you send are affected with the San José Scale (*Aspidiotus perniciosus*). You will find a full account of this insect, together with a consideration of remedies, in Bulletins Nos. 3 and 12, New Series, of this Division, copies of which will be sent you under separate cover. All badly infested trees should be dug up and burned. It is too late after the trees are in bloom or foliage to apply the strong Winter applications necessary to exterminate this insect. It is possible, however, to keep the scale in check by spraying with weaker washes once or twice during the Summer as a preliminary to the more rigorous Winter applications. The soap treatment may be given at the rate of a half-pound of whale-oil soap to a gallon of water, or a kerosene emulsion treatment at the rate of one part of the emulsion to ten of water. I am sending you a copy of Farmers' Bulletin, No. 19, which will acquaint you with the method of preparing kerosene emulsion. You will also find, in the Bulletins on the San José Scale sent to you, a description of the Winter treatment for this insect. The Winter treatment can be applied shortly after the leaves fall and the trees go into a dormant condition and thereafter at any time prior to blooming the next Spring, late treatment being apparently less injurious to blooming and fruiting than early treatment. Before applying the Winter treatment to the dormant trees, it is advisable, as a saving of expense and time, to cut them back pretty severely, burning the cutting immediately.

Before applying any treatment, either Winter or Summer, all the trees, especially those near the infested ones, should be very carefully examined, and, if found to be infested, even in the smallest extent, they should be treated as indicated, boiling up the soap in water until it is dissolved. The solution should be applied moderately warm with a spray pump or brush all over the infested trees which are to be treated. The greatest care must be used to cover every particle of bark, otherwise some one scale or half-dozen scales will escape and restock the trees. The infested trees, which it is advisable to destroy, should be dug up and burned before they have leaved out. The young scales will not hatch and spread until some time after the trees have come out in leaf. In their Winter resting stage they cannot spread from one plant to another. Digging up and burning the trees is the best method of getting rid of the scale.

[Professor] L. O. HOWARD.
Division of Entomology.



Group of Delegates attending recent Montreal Convention of Canadian Horticultural Association.

Pan-American Notes.

Since my last notes great progress has been made in every department. The rains of last month have had a very beneficial effect on grass, trees and shrubs. A large area that was, even in July, the most formidable clay banks, is now finely graded and covered with grass as green and smooth as the proverbial billiard table. The nymphæas planted in numerous pools in July are making a fine growth and many of them flowering.

Mr. Ulrich, the landscape gardener, is now busy placing groups of herbaceous plants on the margins of the shrubbery borders. Properly, he is not mixing up indiscriminately a great many species, but is putting groups of one species and variety here and there. This is as our hardy plants grow in the temperate zone, in colonies, and not a hundred species in a few square yards, as we find in the tropics. Mr. Ulrich has over 200,000 of these herbaceous plants, and they must add immensely to the appearance of the grounds next Summer.

The Horticultural Building is in course of erection. The two conservatories leading on the north and south to the Forestry and Mines and Graphic Arts are already completed, and will be heated so that they can be utilized by New Year's. Although not modern constructed conservatories, they have all the requisites to the growth and welfare of any plants, and will be seen and used by everyone. Many of the fine beds in the Grand Court and the Sunken Gardens are now assuming shape. The grading is practically done in the Esplanades and the Fore Court, and on the banks of the Cascades. The United States Building will soon be roofed in. This is a most beautiful and imposing structure.

At the rear of the Government Building, just across the Canal, the Department of Agriculture under the direction of Prof. J. Lamson-Scribner, and executed by Mr. Ball, of Washington, has made an exhibit of all the useful grasses of the United States. The plot covers one acre and a half, and every kind of grass used in the States and Territories, even to sand binders, will be found here. This display will be of great value to agriculturists, and Mr. Scribner informs me that the department has never made a similar exhibit.

The horticulturists of the country will be pleased to hear that many large entries are received. J. C. Vaughan, of Chicago, has about half an acre devoted to an exhibit of lawn grass, on which there are half a dozen very fine beds. Just at the north of that, Peter Henderson & Co., New York, have a similar plot. These are finely situated, being close to the Midway. By the side of the main entrance is a similar exhibit by Henry A. Dreer, of Philadelphia, and near by a local firm, Whitney-Eckstein Co., have another plot. F. R. Pierson Co., of Tarrytown, has entered for a very large exhibit of choice trees, shrubs and plants, and numerous other firms have also entered for exhibits.

The Albright Art Gallery, which will be a white marble palace, is being rushed with all speed, and although time will forbid its entire completion, it will be sufficiently in shape to serve its purpose during the Exposition. The New York State Building, which will be given to the City of Buffalo for a historical building, is going up rapidly. It is beautifully situated, overlooking the North Bay in the park proper.

Large beds of hardy roses located in the Music Garden have made a most excellent growth. They were planted fully six weeks later than the proper time, but with good care they are going to be a great success.

This is very encouraging, as it tells us what we can expect from other exhibits when planted at the proper time. Any doubts as to the Exposition being ready

on time are now dispelled, particularly by those who have watched closely its progress. Every building is nearing completion. One of the largest buildings, Machinery and Transportation, is covered with staff and coloring is commenced. The buildings are now seen from several of the railway lines entering Buffalo. It is pleasant to hear from visitors who were well acquainted with the progress of the World's Fair, that in preparation in all departments we are away ahead of that great institution. Some enthusiastic horticulturists have ventured to say "You have got the World's Fair beat already." This may sound a little boastful but, mind, we did not say it. I can only repeat that when completed, and the 150 acres of Buffalo's beautiful Delaware Park are thrown into the grounds of the Exposition, it will, in point of beauty of landscape and agriculture, be hard to beat. WILLIAM SCOTT.

"A Mechanically Constructed Coil Boiler."

Since the appearance of A. T. Hoyt's article in the Florists' Exchange (see page 643, issue of June 30), several inquiries have been received asking a description of such a boiler as the gentleman then referred to. Mr. Hoyt furnishes the following instruction regarding the making of an octagonal-shaped coil boiler, recently constructed by him for a grower near New York, and which is in practical operation, with evident satisfactory results.

AN OTAGONAL-SHAPED BOILER.

The first thing to be considered in the construction of this coil boiler is the furnace. A furnace four feet wide and seven feet long, inside measure, will hold a coil large enough for a five-inch flow and a five-inch return; an eight by four-foot furnace, a six-inch main flow and return, and a six by four-foot furnace, a four-inch flow and return.

The furnace is carried up so as to form an ash-pit (under grate bars), the grate bars being about four feet long, leaving a hearth back of the bars about two inches higher than the grate bars (no bridge wall). The wall is carried about three inches higher than the hearth before the pipe commences.

The start is with three pipes from a four-inch manifold outside furnace. The first pipe, or No. 1, passes from the manifold through the furnace wall, with a 90 degree, or square, elbow, on its end, and just far enough inside to admit a pipe in the elbow running backwards toward back end of the furnace. That will leave about two and one-half or three inches space between it and the furnace wall. On the end of this pipe is a 45 degree elbow, and from this point the shape of the coil, 45 degree or eight square, commences. The end and side pieces of the pipe are about one foot nine inches, and four feet six inches long, respectively. The corner pieces are about sixteen inches in length.

The coil is carried around the furnace about three inches from the wall on an incline.

The second coil, or No 2, starts from the manifold in a similar manner and goes through the wall far enough past coil No. 1 to run another coil similar to No. 1, with about two and a half or three inches space between it and No. 1. This coil is on the same level and incline as No. 1.

The third coil, or No. 3, starts from the manifold, and is carried far enough past coils Nos. 1 and 2 (also with a square elbow on its end) to run a coil similar to Nos. 1 and 2 with about two and a half or three inches space between the pipes.

Run these coils nearly once around the furnace, then carry up the wall so as to have it high enough to start three more coils of pipe from another manifold going into furnace at side and on top of coils Nos. 1, 2 and 3, with about two and a half or three inches space between the pipes. These three coils are similar to the three coils already described.

The first three coils (Nos. 1, 2 and 3) will have incline enough to clear the top of the second three (Nos. 4, 5 and 6) at their entrance into the furnace. This incline leaves the bottom of the coils clear of the grate sufficient for firing.

Each coil has a circuit of about four times around the furnace, four and one-half times if the coils leave the furnace on the opposite side from their entrance. The latter is the best, as it holds up the coil from the top better than when the pipes go out on the same side as their entrance. They all leave the furnace at top in a similar manner as they enter, and go into two manifolds (three coils in one manifold). These coils at the start are blocked up at the bottom (these blocks burn out), and are run on an incline throughout their entire length. The coils are kept apart by a casting or loop that is put on to one coil, and the other goes through it. The loop is simply a light casting with a hole at each end large enough to easily slip over the pipe, with about two and a half or three inches space between the holes.

A forty-five degree coil will settle or stretch if not supported at the bottom or hung from the top, and these loops stop that action.

The two outside manifolds at the bottom connect to the return main, and it is a good plan to drop the main so as to make a catch basin just at the furnace, and come up to make the connection. A gate or globe valve at the low point, if opened occasionally, will carry off all dirt that would otherwise enter the coils. The two upper manifolds connect to the flow main, and the main should be as high as the upper manifold. A good idea is to hang a short pipe from the under side of the flow main close to furnace and have a valve on it. This will clean the main of all dirt.

The circulation in these coils is strong and carries all dirt with it and dumps it into the main, and a pipe as described will clean the main.

A coil-heater, like everything in mechanics, to be effective, should follow mechanical laws, and one fundamental law of mechanics is that something cannot be made from nothing. Water absorbs heat and also at the same time receives a motion, and this motion is always first directed upward. The motion is the circulation, and the theory of water circulating through piping from a simple difference in the temperature is simply something from nothing. All the circulation ever obtained is the motion the water receives while heating, and the more motion received at the heat point contact the more heat the water absorbs. Fire or heat directly under the water gives the greatest motion, and consequently the greatest heat. The motion from the heat being upward, an inclined pipe is more favorable to circulation than a horizontal pipe. The circulation is strongest in a forty-five degree inclination and lessens in anything above or below that elevation. Water at the side of the heat point contact absorbs very little heat and consequently has very little motion or circulation. As water absorbs heat more readily when in motion one of the valuable points of the forty-five degree coil is manifest.

The forty-five degree bend virtually stirs or churns up the water, at the same time offering only a slight check to the circulation, and its heating qualities from this source are far ahead of a square or circular coil.

Use cast-iron fittings and carefully examine them for cracks or sand holes, and if the manifolds are far enough from the side of the furnace, or if the pipes are connected to manifolds with unions, and if any break should occur in one coil, that coil could be cut out and the plant run with the other five; or if two-inch gate valves were on each pipe going into and out of the furnace any break could be stopped by cutting out that pipe. The most economical pipe for a coil heater is one and one-fourth-inch pipe, mechanically considered, but two-inch pipe being heavier, has greater lasting qualities.

This type of a coil heater can be built of one and one-fourth or one and one-half-inch pipe, but the furnace need not be so large and not so many feet of pipe need be used in each coil as in two-inch. All forty-five degree elbows are not tapped true, and in building this kind of a coil it is frequently necessary to bend some of the pipe to preserve order.

Another type, easier to make than this, but not so good, will be described later.

There is an opening in the center of this coil boiler that extends up through it, and an iron plate covering the opening on the top about two inches above stops the greater part of the fire from passing up through the center opening. The chimney opening is placed at back and top of furnace; clean-out doors are on each side of the furnace and near the top. These are valuable, as soot will stop the effectiveness of any construction.

The coil boiler should be run with slow combustion, and when a good fire is obtained it can be shut up quite tight, and still be strongly effective for a long time. The same principles will apply in constructing a coil as are shown in economy in water heating, namely, small pipe; but if durability cuts any ice then two-inch is about the smallest size to use, and this should be full weight, black or wrought iron, and not light-weight steel pipe, of which the market is full. A. T. HOYT.

BRIEFS FOR BUSY FLORISTS.

ROSES that are being grown for the second or third year are pushing well into growth now, and at this stage are very susceptible to mildew, therefore care must be exercised in giving air. Leave on just a crack of air through the night if possible; also be sure to have the foliage dry every day before the sun sets, by doing the syringing and watering in the early part of the day.

If the benches have not already had a good top-dressing of some rich material, it should be given now. Rotted sods and well decomposed stable or cow manure in equal proportions make an excellent top-dressing and two or three inches deep on the surface will not be too much to put on. If feeding is to be given in liquid form, however, it should be commenced in a weak form and only afforded at intervals of several days, increasing it in strength as the foliage becomes more abundant. Start the fires as soon as the nights become at all chilly. It is very poor economy to save a few dollars in coal, and lose a month's growth on a house of roses; therefore, put on the fires when necessary whether it is earlier or later than the time they were started in previous years.

HYDRANGEAS that were planted outdoors during the Summer may be lifted and potted at any time now. Have one-fourth of well-rotted manure in the soil used for potting, and let the plants stand in a shaded place for a few days to prevent the foliage from wilting and falling off prematurely. By lifting them now, and getting them established in the pots before growth ceases, they will respond to being forced for early work much readier than if allowed to finish their growth out-doors and then potted up while in a dormant condition. Should they not be wanted for forcing, but rather for early Summer work next year, they can be left where they are until October, then lifted and potted and kept in a cool place until next March.

PELARGONIUMS.—Plants that are kept to produce next year's stock should be watered just enough to hold their foliage; then when the fires are started and bottom heat obtainable, the cuttings can be taken and rooted with more certainty. At the same time the old plants can be shaken out, the roots reduced, and potted over again if it is desired to keep them to produce another crop of cuttings, or to be grown along as specimen plants.



Aquatic Pond in Washington Park, Chicago, showing Victoria Regia, Euryale ferox, Water Lilies, etc.

First Prize Photograph by A. J. Pennock, Lansdowne, Pa., FLORISTS' EXCHANGE Photographic Contest for August, 1900.

OBITUARY.

William Saunders.

William Saunders, Superintendent of Experimental Gardens and Grounds, Department of Agriculture, Washington, D. C., died at his home in that city, on Tuesday, September 11, aged seventy-eight years.

Mr. Saunders was born in St. Andrews, in the county of Fife, Scotland, in 1822. His father was a gardener, whose employer for the most part of the time was absent in India, the gardener occupying the mansion during the absence of its owner. Amidst these refined surroundings the early boyhood of Mr. Saunders was spent. Originally he was intended for the Church, but his natural inclination was towards the gardening profession, which he entered after completing his education in various colleges, serving an apprenticeship of four years. His apprenticeship completed, he moved to London, where he secured employment at his business under the famous gardener Kinghorn, at Richmond. In spare hours he perfected himself in architectural and map drawing, fitting himself for the position of landscape gardener. In London he made the acquaintance of Professor Meehan, then at Kew, and the friendship then begun has been lifelong.

After his marriage in London he crossed the Atlantic, his first great work in his adopted country being the laying out of Clifton Park, an estate of 400 acres, belonging to Johns Hopkins, Baltimore. The designing of Fairmount Park in Philadelphia was also his work, as was that of the National Cemetery Grounds at Gettysburg.

In 1862, when the Agricultural Department became a separate institution of the Government, Mr. Saunders was appointed by Mr. Isaac Newton, the First Commissioner of Agriculture, superintendent of the Experimental gardens and grounds, a position which he held till his death. He had seen this department develop from a dubious experiment to a vigorous and substantial branch of the Government, in which development he himself had been largely instrumental. The grounds about the buildings, the most artistic and beautiful of any in the city of Washington, were laid out by his hands, and the trees in the Arboretum have grown to maturity under his loving care. Through his direct instrumentality nearly all of the tropical fruits have been introduced into the United States and are being grown with success and profit, one of the most valuable introductions being the seedless orange.

In 1867 Mr. Saunders originated the order of the Patrons of Husbandry, otherwise known as the Granges. He was the first master of the order, but resigned under pressure of his official duties.

Deceased was a typical Scotsman, of tall and massive frame. In his intercourse with the public he was genial, cordially responsive and held in high and loving regard by all his associates. He was a prolific contributor to the horticultural magazines, and the fact of his having been educated for the ministry was, no doubt, responsible for the seriousness and earnestness of his character and his literary tendencies. He rendered the city of Washington valuable services on the Parking Commission, having planned the principal parks of the city, and assisted in furnishing its streets with shade trees.

Mr. Saunders was a man of considerable family, having several grown sons and daughters, one of the former being interested in floriculture in Washington, another in Maryland, and a third engaged in the orange industry in Florida. Mr. Saunders had been in failing health for some time, but had been confined to his bed little more than a week, and absent from his duties less than a month.

We are indebted to Professor Galloway for the following:

A meeting of the associates of Mr. Saunders was held in the office of the Secretary of Agriculture, Tuesday afternoon, September 11. In calling the meeting to order, Secretary Wilson said: "You have learned, gentlemen, that our friend Mr. Saunders, who has been connected with the Department longer than almost anyone else, has been called to the reward of all good men.

"While we are here in the Department we are bound up in duties that bring us into very close relations, and when one is taken away, it is the universal sentiment that what we can say or do to recognize his worth as a man and a fellow-worker, it is right and proper for us to do. That is why I have called you to my office this afternoon, and I am now ready to listen to any suggestions you may have to offer."

Dr. B. T. Galloway said: "I have known Mr. Saunders for about twenty years, and have been personally associated with him for about fifteen. He was a man of strong convictions, and his personality has had a remarkable influence on horticulture and agriculture in this country. Mr. Saunders was a prolific writer and for a number of years was the editor of several important horticultural journals. About the beginning of the war he came here, at which time these grounds were without ornament of any kind. The result of his great labors we see about us to-day."

A committee consisting of Dr. Galloway, Dr. L. O. Howard and Dr. A. C. True was appointed by the secretary to draft suitable resolutions. The committee reported the following:

In the death of Mr. William Saunders the Department of Agriculture has lost a faithful and efficient officer and American agriculture and horticulture a true and trusted friend. As superintendent of the gardens and grounds of this Department for more than thirty-five years, and as a promoter of many important agricultural and horticultural



THE LATE WILLIAM SAUNDERS.

lines of work Mr. Saunders' name has become famous throughout the land. His ability as a landscape gardener was universally recognized, and his knowledge of plants, from a strictly economic standpoint, was of a most thorough kind. The beautiful Department grounds are a monument to his skill, and some of the most choice varieties of fruits which now bless our country are the result of his keen insight into horticultural work.

Mr. Saunders was a man of sterling honesty, manifesting a strong interest in the progress of our country and the advancement of the man at the plow. In his desire to benefit the farmer, he was the organizer of the Patrons of Husbandry or National Grange and a number of other Associations which have had a marked influence on the country's welfare.

To the world Mr. Saunders was noted for his strong convictions as to what was right. A good husband and father, an estimable citizen, his loss will be felt by all who knew him. Therefore, be it

Resolved, that the sympathies of the officers of the Department of Agriculture and other associates of Mr. Saunders be extended to the widow and family of the deceased, and that a copy of this minute and resolution be transmitted to them.

In moving the adoption of these resolutions Dr. Howard said: "I have known Mr. Saunders for twenty-three years. He was one of the rare men of his time, and made his personal impress upon everybody with whom he came in contact. I think his death the greatest loss the Department has sustained since its foundation."

The resolutions were adopted by a rising vote. Those present besides the Secretary of Agriculture were Dr. Salmon, Col. Andrew Geddes, Chief Clerk, Drs. Galloway, Howard, True, Wiley and Palmer, Mrs. Silliman, and Messrs. Evans, Hyde, Williams, Hitchcock, Handy, Smith, Arnold, Pearson, Dewey, Luebkert, Whittleton, Harvey, King, Pieters, Kerr, Shatswell, Halley, Haggerty, McKericher and Perry.

Show at Ridgewood Park, L. I.

The twelfth annual horticultural exhibition of the Schwaebischer Sangerbund, Brooklyn, was held at Ridgewood Park, September 2, 3, 4, 5 and 9, and again proved a decided success. It is remarkable the fine show made by the florists here every year. The extensive lawn is changed in a few days into a regular paradise, and attracts many thousand visitors. The center attraction of this year's exhibition was, as usual, the high column made of vegetables, the work of F. Marquardt, of Middle Village, who deserves great credit for his skill. The column was from 50 to 60 feet high; around it were the different exhibits, all arranged in beds of various shapes and sizes.

There were three carpet beds, each one planted very carefully and of pretty design. In this competition F. Marquardt got first prize, $50.00; Wm. Nillson, Woodlawn, N. Y., second, $40.00, and third, $30.00. In cannas there were four competitors, A. L. Miller of Brooklyn, carrying off first prize; F. Marquardt, second, and A. Schrader, of Newtown, third. The Cottage Gardens, Queens, received a diploma for canna, Black Beauty. In the center of a bed of this variety, Mr. Ward placed some Kate Gray cannas, the flowers of which contrasted beautifully with the foliage of Black Beauty. Around the whole was a row of variegated phrynium. Mr. Miller had some very fine varieties in his bed, one of his seedlings calling for particular notice on account of its magnificent bright color.

Some fine beds of geraniums were in competition. Fritz Marquardt got three first prizes for one bed of white, one of salmon, and one of mixed; N. Rothar, first for a bed of scarlet, and A. Schrader two second prizes for one bed of salmon and one of scarlet respectively.

In the class for bedding begonias three competitors entered. H. Maenner, Maspeth, was awarded first prize, Wm. Brennecke, Hempstead gardens, second, and F. Marquardt a diploma. Two beds of Salvia splendens made a fine showing and drew great crowds; F. Marquardt got first in this class; A. Shrader second. Asters were represented in two fine beds, and were much better than expected for the present season. Both were exhibited by Wm. Kalfour, Brooklyn. One of the finest beds was that of coxcombs exhibited by F. Marquardt, and the first prize was well deserved. The same exhibitor had also a fine bed of Vinca alba and rosea, for which he received first prize.

Carl Koch, of Flathush, had a fine group of excellently grown Ficus elastica, for which he received first prize; M. Lawler, Flushing, being awarded second, and F. Marquardt a diploma. Parsons' Kissena Nurseries, the Bloodgood Nurseries and Bobbink & Atkins had each fine groups of conifers, the latter getting first prize; Parsons second and the Bloodgood Nurseries a diploma. Two beds of different foliage plants, exhibited by A. Schrader, attracted much attention, and the first and second prizes were well deserved. In coleus, A. Miller had a fine collection, as had A. Schrader; the former getting first and Schrader second. Fred Marquardt got first prize for a bed of coleus, arranged for effect; H. Maenner received a special prize for a bed of acalypha, and A. Schrader a similar award for a bed of torenia, which showed good cultivation. These plants deserve to be grown more generally. Water lilies were exhibited by A. Shrader, for which he received first prize. H. Maenner had a bed of roses in bloom, which were much admired.

M. Lawler had the biggest group in the show, consisting of palms only. This group was well arranged, and its owner awarded a special prize. Besides these groups, specimen plants of cycas, allamandas and bay trees were used for effect.

As a whole, the exhibition was a worthy one, and showed what unity can produce when led by the right spirit. A. Shrader, as manager, took the greatest pains to have everything in good shape; and the speech made by the president of the Saengerbund, Mr. Aichman, showed that everything was highly appreciated.

Next year the Sængerbund will celebrate its silver jubilee, and special efforts will be put forth to make it a memorable affair.

Messrs. Fred. H. Dressel, Carl Wœrner and J. L. Schiller officiated as judges, and the treatment which they received from the Sængerbund was, indeed, royal.

Boston.

The Market.

There is little change in business conditions, although a slight movement among the city florists is noticeable. Already the retailers report their customers returning; though the number is small as yet, still the reappearance of faces not seen at the stores for three or four months, requesting the return of their plants, which have been boarding at the greenhouses all Summer, is a certain indication of the passing of the dull season. All stock is very plentiful, and very little sought after. Now and again, some funeral work helps deminish the supply of flowers for the time being, and a few small wedding decorations have occasioned a light demand for showy stock.

In roses, Beauty fetches from $2 to $12.50 per 100, specials making $16 to 20. Bride, Bridesmaid and Meteor are in heavy supply, rather an overstock; the quality, though improving, has not reached a very high standard as yet. Prices range from $1 to $4 per 100. Carnot and Kaiserin are of better quality; and are in supply to meet what demand is experienced for them.

Carnations are becoming more abundant, but are still mostly short-stemmed and have only a light call, fetching 75c. to $1 per 100 for ordinary grades. Asters continue in plentiful supply, and the quantity disposed of makes hardly any noticeable diminution of the heavy shipments. Prices vary from 50c. to $1 per 100 for the extra large long-stemmed Semple variety, smaller grades making 25c. to 50c.

Here and There.

Edward Hatch entertained a few of the Old Guard on Saturday, at "The Windmill," Wenham, Mass. A very pleasant day was spent.

Henry M. Robinson & Co. have made arrangements for handling a heavier stock of hardy supplies than before, and feel better able to cater to their increasing trade in this line.

The house of Nephrolepis exaltata bostoniensis is at L. H. Foster's, Dorchester, though not quite so far along as is usual at this season, is in excellent shape, plants being strong and healthy. Three of the old houses have been torn down and rebuilt this past Summer, which delayed the planting somewhat, thus accounting for the plants being not so much developed.

A call was made at the E. S. Whitten place. Mr. Cotter was unfortunately not at home. The rose houses are in very good shape. The first crops of Bride, Bridesmaid and Liberty are fully up to the high standard of the stock produced by this establishment. Carnot, Kaiserin and Beauty, too, are looking fine, and give promise of a good cut.

At W. H. Elliott's, Brighton, the last of the old houses were torn down and modern ones built to replace them this past Summer, and one new house erected. The large asparagus house has been planted, and this work in the second one is well along, the lower part being planted to asparagus and the upper part to chrysanthemums. The rose houses and fern house are in first-class condition.

N. F. McCarthy & Co. hold their first Fall sale on Friday, selling palms, ferns, rubbers and a fine assortment of carnation plants, including several of the best commercial varieties.

"Tim" Waters, representing G. A. Sutherland, has just returned from a trip through New England. He reports quite a lively Fall opening. "Tim" started for Maine Monday evening.

Jas. Files, Portland, Me., was in town this week.

F. J. N.

TOBACCO STEMS
"Good Strong Kind."
60 CTS. PER 100 LBS.
BALES WEIGH 500 LBS.
TOBACCO DUST
"THE BLACK STUFF."
Fine or Coarse to Your Order.
50 to 1000 lbs., 2 cents per pound.
H. A. STOOTHOFF,
118 WEST STREET, NEW YORK CITY.
Mention this paper.

Cleveland.

Market Notes.

Market conditions remain practically the same as at last writing. The supply of flowers is large, and wholesale dealers report trade dull. Roses are improving in quality; longer in stem and of better color; some good Beauty are offered and the best blooms bring 15c., seconds 10c. and 12c., and short stem stock 5c. to 8c. Meteor are of better color than they have been, but are yet short in stem. These and all other tea roses sell at $2 and $3 for second grade, and $4 and $5 for first grades.

Carnations are plentiful and the blooms still small, but of better color. The flowers of many varieties still show the marks of hot and dry weather. The ruling price is 50c. to $1 per 100; retailing at 25c. and 30c. per dozen. The supply of asters is shortening up, and good bright flowers find ready sale. These, too, show the effects of Summer weather, and from present indications it will not be long until this popular flower is out of the market for the present season. Prices now obtaining are $1 per 100 for ordinary stock; extra blooms fetch $1.50. The retail price remains the same as last reported—50c. per dozen.

Tuberoses are abundant and sell at $2 and $3 per 100. The rates on gladioli are the same as before, viz., $1.50 per 100 spikes.

Notes.

H. M. Clair, Jr., representing S. L. Allen & Co., Philadelphia, manufacturers of "Planet, Jr." garden tools, was in town for several days this week.

C. L. Washburn, of Bassett & Washburn, Chicago, was also a visitor Wednesday.

The following item appears in the Cleveland Press of September 11:

"W. H. Gaffney, aa Erie street florist, filed a petition in bankruptcy in the United States court, Monday. He places his assets at $635 and his liabilities at $1,231."

Mr. Gaffney has been operating a retail flower store at 297 Erie street since 1896. Previous to that time he was in the employ of W. H. Beaumont, a former Cleveland florist, for a period of 16 years.

H. J. Bradbury, with J. M. Gasser, returned on Monday, 3d inst., after an eight weeks' visit at Detroit and other Michigan points. Detroit is Mr. Bradbury's home; his father, J. H. Bradbury, is a prominent grower and retail florist in that city.

F. M. Smith, of Smith & Fetters, left on Wednesday evening for New York and other Eastern points. He expects to be gone for a period of two weeks, and will spend several days at his old home, Bristol, Conn.

H. D. Stehr, who has been in the employ of J. M. Gasser some time past, will open a flower stand in the Arcade on September 15.

A Handsome Flower Store.

The store of Smith & Fetters, at 148 Euclid avenue, has for several weeks past been undergoing some extensive alterations, and the improvements effected make it one of the most attractive stores in the city. It quite outdoes any establishment of its kind in this section of the country. The interior has been entirely refinished, and presents a very beautiful appearance. The fixtures are finished in ivory and gold. The shades of color used on the walls and ceiling are very delicate, and the combination equally effective. The side walls are done in a pale Nile green, the ceiling in pale yellow tint; the cove is finished in three colors—shaded tints of Nile green, pink and yellow. At the base of the cove, and extending entirely around the room is a row of incandescent lamps, producing a very desirable lighting effect. The interior of the ice box is entirely of mirrors. At the right of the ice box is a ladies' writing room—7 x 8 feet—elaborately furnished; the ceiling is pale yellow, the side walls in pale Nile green, with panels of a delicate shade of rose pink. This room is lighted with a three-light chandelier. The floor covering is Brussels carpet of very brilliant pattern.

From the ceiling of the main room are suspended two elaborate brass chandeliers of seven lamps each. The floor covering of this room is a Nile green and yellow-figured linoleum. The work room has been removed to the basement. In the rear of the store is a conservatory, 20 x 20 feet, which affords ample space for display of pot plants, ferneries, palms, etc.

G. H. T.

Providence, R. I.

State of Trade.

Business has been quiet with us here for several weeks. People are returning to the city; the theatres are opening for the season, but business does not really start until we have had a good hard frost, and the storemen think they have been having one all Summer.

Asters have done very well with a few of the growers. E. E. King and N. D. Pierce bringing in the bulk used in this market. The flowers are sold all the way from $1 to $1.50 for No. 1 stock down to a few cents per 100.

Carnations are scarce and very poor in quality. Roses are fair, though rather small. Outdoor stock has suffered much from the long continued dry spell. Carnations in the field have made little headway since planted out, and a number of growers will have to buy stock to fill their houses. Violets are doing well.

Early Chrysanthemums.

E. E. King brought in the first chrysanthemums of the season, an early white variety similar to Bergmann They do not find a ready sale, however, for there are so many good white asters to be had cheap.

Fred Hoffman reports everything looking fine at his place. He is making a few improvements, putting a tile floor in his office.

T. O'Connor has the sympathy of the trade in the loss of his daughter, whose funeral occurred August 31.

The September exhibition by the R. I. Horticultural Society of fruits, vegetables and flowers, will be held in Tillinghast Hall and Annex, 283 Westminster street, September 18, 19, 20. Lothrop & Higgins, the dahlia growers of East Bridgewater, Mass., offer a special premium for best collection of dahlias shown by amateurs.

A.M.

Cincinnati.

Business is not booming as yet, but in a week or so we expect it to commence, as the Fall Festival opens September 19, continuing until the 29th.

Thursday afternoon about fifty of the craft assembled at the residence of Mr. and Mrs. Julius Schuman, where the regular monthly meeting of the Florists' Society was held. After the business session a social time was enjoyed. A committee was appointed to draft a schedule for the regular monthly shows, commencing with the November meeting.

J. A. Evans was a caller this week.

We are still having hot weather; 90 degrees is a good average. Quite a number of the craft are on the sick list.

E. G. G.

Cryptomeria Japonica (JAPAN CEDAR), strong plants, from 2 inch pots, at $5.00 per 100; 20 for $1.00.

Asparagus Sprengeri 2 inch, strong, $2.50 per 100. Satisfaction guaranteed.

E. I. RAWLINGS, Quakertown, Pa.

Mention the Florists' Exchange when writing.

Cyclamen Persicum Giganteum Bulbs

In five sorts—monster flowers, pure white, rose, brilliant crimson; white with red eye, rose with red eye, $1.25 per dozen, $8.00 per hundred

	Per doz.	100	1000
Lilium Harrisii, 5-7.....	$0.60	$4 25	$40 00
" " 7-9.....	1.20	9.00	85.00

H. H. BERGER & CO.,
47 Barclay Street, New York.

Mention the Florists' Exchange when writing.

CINERARIAS for Christmas Flowering, a superb strain, large flowered.
2¼ in., $2.00 per 100. 300 for $5.00
3 in., $3.00 per 100. 400 for $10.00

Chinese Primula, 2¼ in., $2.00 per 100; 3 in., $3.00 per 100.

Cyclamen Persicum Giganteum, 3 in., $6.00 per 100; 4 in., $8.00 per 100.

WHITTON & SONS,
Wholesale Florists,
City and Green S's., UTICA, N. Y.

Mention the Florists' Exchange when writing.

BOSTON FERNS
And Davallioides Furcans.

Extra fine, from bench, ready for 4 in. pots, 10c.; for 5 in., 15c., and 6 in., 25c. Special price for 100 or 1000.

ASPARAGUS SPRENGERI.

6 inch pots, heavy.....$4.00 per dozen; $25.00 per 100
5 inch pots..... 2.50 per dozen; 15.00 per 100
Cash with order, or 25 per cent. if C. O. D.

A. NELSON, P. O. Box 1450, Paterson, N. J.

Mention the Florists' Exchange when writing.

GET YOUR MONEY'S WORTH Surplus Stock.

Asparagus Plumosus Nanus, 4 in. pots, 10c. each; $10.00 per 100; $75.00 per 1000.

Maids, Brides and Meteors, fine, 3 in., 2c.

Extra fine Rubbers, 6 in. pots, 40c.; 18 ins. from top of pot.

Boston Fern, 4c.; Washingtoniensis, 10c.; $1.00 per doz.

Cash with order long as snap lasts. Address

F. H. KRAMER, 423 Centre Market, Washington, D. C.

Mention the Florists' Exchange when writing.

New Miniature Rose **"SNOWFLAKE"**

A money-maker for Florists. GENUINE SNOW IN SUMMER.

THIS entirely new POLYANTHA ROSE is especially suited for growing in small pots or pans for store trade and decorative purposes. The dainty pink buds and full white flowers, carried in clusters of 10 to 40, at once captivate the attention of the customer. It forms a complete corsage bouquet quite by itself; blooms in 2 inch pots, and "forever afterwards" every bud opens well if placed in water, and keeps for days.

As a dwarf hardy bedding rose and for border edging, no other rose could excel it, being continually in bloom throughout the entire season.

The high praise bestowed upon this **new rose** has induced us to introduce it for the originator.

Not more than 5000 plants will be ready for delivery on December 1st. Send for photos.

Price, for plants from 2 inch pots, $15.00 per 100, $2.50 per 12; from 3 inch pots, $25.00 per 100, $4.00 per 12. Rooted cuttings, $10.00 per 100.

Asparagus Sprengeri Plants in 2½ in. pots, ready for 3½ in., $4.00 per 100; $35.00 per 1000. Plants in 3½ in. pots, ready for 5 in., $7.00 per 100; $60.00 per 1000. Plants in 5's, $20.00; in 6's, $30.00.

Edelweiss The coming fad, fine plant, $1.00 per 12; $6.00 per 100.

New Astilbe Chinense The fragrant pink Spiræa, fine for forcing, $1.50 per 12; $8.00 per 100.

New Buddleia Variabilis Exceedingly sweet scented, like a hardy Lilac Mignonette, spikes 10 inches long, strong plants, $2.00 per 12; $12.00 per 100.

New Deutzia Corymbiflora The finest of Mr. Lemoine's new Deutziss, $2.50 per 12; $15.00 per 100.

Spotted Callas $2.00 per 100.

LITTLE GEMS, $2.50 per 100. WHITE CALLAS, $2.00 per 100. YELLOW CALLAS, $20.00 per 100.

The New Lace Fern The most popular fern for cutting, lasts from 3 to 4 weeks, 12 fronds bring from 1 to 2 dollars, very hardy, and grows exceedingly under benches, 2½ in., $5.00, 3½ in., $8.00 per 100.

New double, white, hardy Hibiscus Very double, pure white. $1.50 per 12.

New Hibiscus Archeri With elegantly fringed border, $1 per 12.

New Hibiscus Peachblow Extra large, double pink, $1.50 per 12.

New Baby Primrose 75 cts. per 12; $4.00 per 100.

Primula Obconica $5.00 per 100.

2 Newest Salvias The very best to date, $1.00 per 12; $5.00 per 100.

New Russellia Elegantissima 75 cts. per 12; $5.00 per 100

50 other New Plants not offered by other houses. Send for Catalogue.

A. BLANC & CO., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

Asparagus Plumosus Nanus Strong plants from 2½ in. pots, ready for a shift, $5.00 per 100.

Asparagus Sprengeri Large field-grown clumps. First size, to be potted into 6 in. and 7 in. pots, $10.00 per 100. Second size, for 5 in. pots, $6.00 per 100.

Begonia Rex Fine stock in 3 in. pots, ready for a shift. Best standard varieties. $6.00 per 100.

Cyclamen Strong, bushy plants, in 2½ in. pots. Finest strain, three colors, $4.00 per 100.

Chinese Primroses Oloboss type, best strain grown. Colors, white, pink and red, 2½ in. pots, $2.50 per 100. 3 in. pots, extra strong, $5.00 per 100.

Baby Primrose Extra fine, from 2½ in. pots, ready for a shift, $4.00 per 100.

NATHAN SMITH & SON,
ADRIAN, MICH.

Mention the Florists' Exchange when writing.

ROSES
For Late Planting.

Strong, healthy plants of Bride, Perle, La France and Bridesmaid, from 4 inch pots, at $6.00 per 100.

ASPARAGUS SPRENGERI
Strong, 4 inch pots, $10.00 per 100.

CARNATIONS
Strong, healthy field-grown plants.

Melba, $6.00 per 100; Scott, $5.00 per 100; F. Hill $5.00 per 100; Daybreak, $5.00 per 100; Elsie Akehurst, $5.00 per 100

I. H. MOSS, Govanstown, BALTIMORE, MD.

Mention the Florists' Exchange when writing.

FORCING BULBS
NOW READY FOR DELIVERY.

LILIUMS.

	100	1000
Harrisii, 7-9 inch	$9.00	
Longiflorum, Japan, 6-8 inch	3.50	$30.00
" " 7-9 "	6 50	5.00
Candidum	5.50	50 00
" extra large	6.50	60.00

ROMAN HYACINTHS.

White, 12-15, per 100, $1.75; per 1000, $16.00.

NARCISSUS.

Paper White Grandiflora	$1.00	$8.00
Von Sion, Holland grown, Mammoth Double Nosed Bulbs	1.90	18.00
Selected Large Bulbs	1.60	15.00
First Size	1.40	12 50
Second Size	1.20	10.00

FREESIAS.

Large bulbs, per 100, 75c.; per 1000, $6.50.

DUTCH ROMAN HYACINTHS.

Separate colors, pure, Blush White, Light and Dark Blue, Pink and Dark Red. Per 100, $2.75; 1000, $25.00.

DUTCH HYACINTHS.

Mixtures for Forcing or Bedding. Pure, Blush White, Light and Dark Blue, Rose and Dark Red, Yellow. Separate colors. Per 100, $4.00; 1000, $39 00.

NAMED DUTCH HYACINTHS.

The following varieties: **Nornin, Gertrude, Robert Steiger, Czar Peter, Grand Maitre, Marie Baronese van Thuyll, Grandesse, Madame van der Hoop,** etc. Per 100, $6 00; 1000, $57.00.

SINGLE TULIPS.

	100	1000
Artus	$0.70	$6.25
Belle Alliance	.90	8.00
Bizarre Verdict	.70	6.50
Chrysolora	1.25	11.00
Cottage Maid	1.20	11.00
Crimson King	.70	6.50
Duchesse de Parma	.75	6.75
Duc van Thol, scarlet	.85	7.25
L'Immaculee	.90	8.50
La Reine	1.10	10.00
Keizerskroon	1.20	11.00
Rottebakker, white	1.25	12 00
" red	.90	8.50
Rose Grisdelin	1 50	14 00
Yellow Prince	1.25	11 00
Single Tulips, fine mixed	65	6.00

DOUBLE TULIPS.

	100	1000
Duke of York	$1 00	$8 00
Marillo	2.25	20.00
La Caodeur	.85	7.50
Rex Rubrorum	1.40	13.00
Tournesol, red and yellow	1 60	14.50
Yellow Rose	1.00	9.00

PARROT TULIPS.

	100	1000
Named Varieties	$1.00	$9.25
Mixed "	.80	7.25
TULIPA GESNERIANA	1.00	9.00
NARCISSUS, Trumpet Major	1.00	8.50
" Princeps	1 00	8.50
" Poeticus	.50	3.50
CROCUS, named varieties	.45	3.50
" mixed, separate colors	.30	2.00
ALLIUM NEAPOLITANUM	.60	5.00
SCILLA SIBERICA	.60	5.50

Ask for Prices on Boston Ferns, Azaleas, Rhododendrons, Roses, Palms, etc.

BOBBINK & ATKINS, Rutherford, N. J.

Mention the Florists' Exchange when writing.

NOTES BY THE WAY.

CLEVELAND, O.—On Labor Day, the stores closed at noon. Paul Berkowitz and I happened in on Mr. Fetters, of Smith & Fetters, who called us to refreshment, in celebration of his birthday and the opening of their store, which, being finished in green, white and gold with the finest plate mirrors, has a charming appearance.

J. M. Gasser contemplates making important changes in his business. At the greenhouses Isaac Kennedy has stock in excellent shape. Two-year-old Bride and Bridesmaid, in houses, a short span to South, open at gutters, are fine. Mr. Kennedy does not advocate running the plants beyond two seasons. Golden Gate, Meteor and Beauty are grown extensively. A pretty rose for the retail counter is Reine Marie Gerard, a copper-colored polyantha. In a healthy stock of several thousand chrysanthemums, Mrs. Jerome Jones is most popular.

Schmitt returned from the Convention with Carmody's essay fresh in his mind, and immediately set to building two houses, each 120 x 20 feet, for carnations, complete in every particular. His crop of asters is very late this year, only now coming into bloom, but will be worth more than an earlier crop, continuing until early chrysanthemums come into market; these are fully up to usual standard of excellence.

The display of cannas at Gordon Gray's is the brightest sight in this smoky city. Did they last in bloom longer than they do, they would all be "Black Beauties" without the beautiful gloss seen upon that variety.

Herman A. Hart was a heavy buyer at the Convention, filling one house with his purchases; the remainder are filled with his usual fine stock for an all-round retail trade. He has rebuilt several houses and filled with Boston fern, having well-grounded faith in the plant.

Mr. Hart is one of the regulars at the Convention, and feels assured he always gets full satisfaction for any sacrifice made to take the trip.

A. J. Ziechmann is rebuilding, so is L. Warncke.

Klrehner Bros. report busy times with funeral work.

Walter Fancourt, Jr., graduate of Robt. Kift, Philadelphia, is with Smith & Fetters.

BUFFALO, N. Y.—Wm. Scott was busy looking over his stock previous to his daily trip to the Pan-American.

Harry May, of Summit, called on his way to Painesville, and agreed that the chrysanthemums as seen here were as fine as any. Yellow Queen, Alex Scott remarked, had dollars on every bush. F. R. Pierson, of Tarrytown, was also a caller, Pan-American business being a primary object; the wonderful progress made convinced him that this will be the grandest exposition on record. Unfortunately, the horticultural section is the most backward, but Supt. Scott will not allow any grass to grow on the ground after the roof is on. Speaking of grass, reminds me that the banks and beds are one verdant spot, kept well watered. No rain having fallen since the snow melted has retarded gardening. Professor Taylor was out of town looking up important matters in connection with his department.

We called on W. J. Palmer & Son and found Will., Junior, making up a fine funeral piece of Lilium speciosum album with Asparagus plumosus. They use hundreds of this beautiful lily in design work. First blooms of Liberty rose are coming in from Lancaster, and Barney promises to eclipse all records this season with new houses. Meteor is as fine as ever; Bride and Bridesmaid are getting larger and firmer, now nights are cooler; no sign of mildew at present.

D. B. Long is a busy man filling orders booked for his novelties at the Convention.

Chas. Keitsch was with us in spirit, being unable to accompany the crowd, owing to the arrival of a new boiler just at that time; and, as Charley gives his whole attention to everything he undertakes, the trip had to be foregone. Already he has plans under consideration for the business of the convention next year.

Mrs. Newlands will be established in her new place by October 1.

WILKESBARRE, PA.—Ira G. Marvin has doubled his stock of chrysanthemums, and feels assured that all will be disposed of at good prices. Plants are in excellent shape. W. M.

St. Louis.

The Market.

Trade conditions have changed but very little since last report. Carnations continue to improve in quality and quantity. Some good Kaiserin and Meteor roses are to be seen; Bride and Bridesmaid are still very small. Asters are in fair supply; some days plentiful, others scarce.

Club Meeting.

The regular meeting took place on the 6th; attendance was fair. The principal event was the installation of officers. The new president, E. W. Guy, took possession of the chair with the grace and dignity that comes natural to a gentleman of the old school. In a short speech of acceptance he remarked that he was afraid he could not fill the chair as well as the retiring officer had done (there being somewhere in the neighborhood of 100 pounds difference in their weight,) but he proposed to do the very best he could in the interests of the club. Among other things he suggested was the holding of the hot weather meetings at different places, thinking this would be more of a novelty, and of greater interest than in the hall. The question of allowing the ladies engaged in the florists' business to become members, as some of them wished, came up; and it was decided that there was nothing in the constitution and by-laws to prevent the consummation of their desires. It was further agreed to make special days for the attendance of the ladies at the meetings, it being assumed that they would not care to be present at them all.

Essays are to be an important feature the coming season, and the following program has been made up by some interested members; For the October meeting: Profitable Winter-blooming Plants, by E. Schray, and The Best Method of Growing, and the Best Varieties of Roses for Present Demand, by F. J. Fillmore.

November Meeting—Successful Violet Culture, by F. G. Ude; and Hardy Flowers for Florists' Use, by C. C. Sanders.

December Meeting—Latest Facts About New Carnations, by F. W. Ude, Jr., and New Carnations, from a Commercial Standpoint, by A. F. Halstead.

January Meeting—How to Grow Good Perle Roses, by J. F. Amman; and, Cut Fowers for Florists other than Roses and Carnations, by F. C. Weber.

February Meeting—Best Method of Wholesaling Cut Flowers, by H. G. Berning, and The Requirements for the Elevation of our Business, by J. J. Beneke.

March Meeting—The Cultivaton of the Rose To-day, as Compared with Ten Years Ago, by R. F. Tesson; and, Shrubs Suitable for Florists' Use, by Crew Sanders.

April Meeting—Bulb Stock and How to Grow It, by E. W. Guy; and, How to Grow Profitable Pot Plants, by Carl Beyer.

May Meeting—Orchids from a Commercial Point of View, by R. J. Mohr; and, Sweet Peas and How They Should Be Grown, by Max Herzog.

If the above program is carried out faithfully, we cannot see how the meetings can be other than instructive and interesting.

After the meeting an adjournment was taken to a nearby café, where the new president had an enjoyable lunch spread, which was greatly appreciated by those present.

Arthur Ellison will spend a vacation in Springfield, Ills.

Visitors.

C. S. Ford, with A. Herrmann, New York; Carl Rauth, Springfield, Ills.; B. Echner, of M. Rice & Co., Philadelphia.

C. C. S.

Columbus, O.

The weather here continues very hot. It is the longest siege of extreme heat we have known for years.

The horticultural exhibits at the recent State Fair were not as numerous as they should have been; but such as were there reflect credit upon the exhibitors. The display of plants and flowers made by E. L. Charles was fine. He led easily in securing premiums. He captured 15 first prizes and four seconds. His floral designs were very much admired. F. C. Breece, of West Berlin, O., took first premium on cannas.

The amateur exhibits contained some fine plants and revealed some skill in growing them. Miss Anna Long, of this city, led them in securing four firsts and four seconds.

The Livingston Seed Co. has just added another house to its range on Neil avenue. FRITZ.

Poughkeepsie, N. Y.

The flower show given by the Dutchess County Horticultural Society will this year be held on October 6, 7 and 8, at the Armory, and extensive preparations are being made for it. The exhibition is expected to be one of the finest yet held. The committee and judges held a meeting in this city, Wednesday, September 5, to make arrangements for the show. This committee is composed of James Blair, the president; W. G. Saltford, W. G. Gomersall, Clarence Reynolds, Richard Griggs and U. S. Agar. These committees have been appointed: Judges for the table decorations for the three days, Thomas J. Macpherson, F. B. Lown and Clarence Reynolds; decorating committee to decorate the armory, F. B. Lown, William Shickle, Frank Hasbrouck, William Milbanks, David Gindra and Samuel Horn; music, William Shickle; press, William Sloan and John Galvin. William G. Saltford was appointed manager. The following judges were also appointed: Samuel Goldring, of Albany; John N. May, Summit, N. J.; George Hale, Seabright, N. J., and William Turner, Tarrytown.

A prize of $25 for best 200 violets, offered by Mayor Sherrill, will form an extra inducement among growers, and we may expect an unusually large display.

OCTOBER PURPLE PLUM!

The best of all Burbank Plums. We have a large and fine stock of trees, one or two year's old on Plum and Peach stock. Address

STEPHEN HOYT'S SONS, New Canaan, Conn.

Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.

1730 CAMBRIDGE ST.

Mention the Florists' Exchange when writing.

SPECIAL OFFER UNTIL OCT. 1st.

Phœnix Canariensis.

Elegant stock. Fully characteristic.

4½ inch pots ..... $25.00 per 100

5½ " " ..... 35.00 "

This is surely a Bargain.

J. B. HEISS, The Exotic Nurseries, Dayton, Ohio.

Mention the Florists' Exchange when writing.

FINE PALMS.

Kentia Belmoreana and Forsteriana—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100, 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, from $2.50 upwards.

Phœnix reclinata, 4 in. pots, $20 per 100; 5 in. pots, $40 per 100; 6 in. pots, 35c. each; 7 in. pots, $1.25 each; specimen plants, $2.00 upwards.

Areca Lutescens, 3 in., $15 per 100; 4 in., $25 per 100.

Latania Borbonica, 4 in., $20 per 100.

JOHN BADER, Troy Hill, Allegheny, Pa.

L. D. TELEPHONE 872A.

Mention the Florists' Exchange when writing.

FIELD-GROWN DRACÆNAS

24 to 28 inches high, fine strong plants, $1.25 per doz.; $10.00 per 100.

75 Clumps Bouvardia President Garfield, A. Neuner and Rosea Multiflora, at $1.25 per doz.; $10.00 per 100.

S. S. PECKHAM, New Bedford, Mass.

Mention the Florists' Exchange when writing.

ARAUCARIA EXCELSA 5½ inch pots, 3 tiers, from 9 to 11 inches high, 80 cts.; some for 70 cts., a little smaller

Ficus Elastica (Rubbers), 6 inch pots, from 18 inches upwards, 10 cts. each; $5.00 per doz. (very fine).

Boston Ferns, 4 inch pots, $2.00 per doz.

Umbrella Plants, 3 inch pots, $5.00 per 100

Tuberous Rooted Begonia, 4 inch pots, mostly white, etc., 75 cts. per doz.

Heliotropes for winter-blooming, fine plants $5.00 per 100.

Godfrey Aschmann, 1012 Ontario St., Rising Sun, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

Adiantum Cuneatum

2½ in. pots, $4 per 100; 3½ in. pots, $6 per 100 3½ in. pots, large plants, $10 per 100; selected plants, 3½ in. pots, $12 per 100.

Asparagus Sprengeri

2½ in. pots, $4 per 100; $30 per 1000. 3 in. pots, $5 per 100.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

RUBBERS

Strong, braoched and single stem plants.

Branched ..... $9.00 per doz.

Single stem ..... 6.00 "

Height, 30 inches. This is extra fine stock.

ALFRED FUNKE, Bergen Ave., near Cypress Ave. Box 154, Evergreen, L. I.

Mention the Florists' Exchange when writing.

BOSTON FERN

A SPECIALTY.

At $3.00, $6.00 and $9.00 Per Dozen.

Fine Plants, Cut from Bench.

Asparagus Plumosus Nanus, 3 in., $3 00 per 100.

Asparagus Sprengeri, 3 inch, $6.00 per 100.

20,000 Small Palms, Kentias, Latanias, Cocos, from 2½ inch to 5 inch. Prices on application.

About 2000 Lady Campbell Violets, field-grown, good plants, at $5.00 per 100.

Dracæna Indivisa, field-grown, 2 years, at $25 00 per 100.

L. H. FOSTER, 45 KING STREET, Dorchester, Mass.

Mention the Florists' Exchange when writing.

AT A BARGAIN.

500 Bridesmaid Roses, 3-in., goods tock, a $4.00 per 100; the 500 for $18.00 cash.

Palms, Kentia, Belmoreana, 2-in., per 100 $7.00; 3-in., per 100, $20.00.

Latania Borbonica, 3-in., per 100, $15.00.

Dracæna Sanderiana, 2-in., per doz., $1.50.

Sciaginella Emmeliana, 2-in., per 100, $3.00.

Asparagus Sprengeri, fine, 2-in., per 100, $4.00.

Grevillea Robusta, 3-in., per 100, $5.00.

Rex Begonias, 3 in., in 10 good varieties, per 100, $7.00.

SMILAX.

Good Stock, from Pots, at $1.25 per 100; $10 per 1000. *Satisfaction Guaranteed. Cash with Order.*

GEO. L. MILLER, Newark, Ohio.

Mention the Florists' Exchange when writing.

PREPARED TROPICAL PALMS AND CYCAS LEAVES



Send for Catalogue.

OSTERTAG BROS., Florists, Washington and Jefferson Aves., ST. LOUIS, MO.

CHOICE FERNS IN FLATS.

100,000 at One Cent.

JOHN H. LEY, Good Hope, Washington, D. C.

Can supply very good, hardy plants, which, potted now, will fill a 2½ in. pot in a few weeks, best market sorts. Have sent by mail and express to every State and Canada, and have given universal satisfaction.

Sample 100 mailed, $1.25

1000, in 10 Sorts, by Express, $10.00.

Pteris Cretica Alba, P. Adiantoides, P. Longifolia, P. Hastate, P. Sulcate, P. Tremula, Adiantum Grandiceps, Nephrodium Cristatum, Lygodium, Lomaria Gibba, Sciaginellas, &c., &c.,

POST ORDERS, GOOD HOPE, D. C.

Mention the Florists' Exchange when writing.



Nephrolepis Wittholdi

Do not fail to procure some of the first stock, for which we are booking orders.

THE GEORGE WITTBOLD CO., 1657 Buckingham Pl., Chicago.

Mention the Florists' Exchange when writing.

"Where McGregor sits there is the head of the table."

5000 FICUS OR RUBBERS

Fine specimen plants, 15 to 18 inches, $3.00 per dozen; $25.00 per 100.
Special price on 500 or 1000.

REX BEGONIAS, strong plants, 20 varieties, $4.00 per 100.

ASPARAGUS PLUMOSUS NANUS and SPRENGERI
20,000 of each, $1.00 per 100.

McGREGOR BROTHERS, Springfield, Ohio.
Mention the Florists' Exchange when writing.

WALTER RETZER & Co.

WHOLESALE PALM GROWERS

2045-59 CLARENDON AVE. (N. Halsted St.) CHICAGO, ILL.

WRITE TO US FOR PRICES BEFORE BUYING ELSEWHERE.

Mention the Florists' Exchange when writing.

HARDY FERNS

FOR CULTIVATION.

40 varieties. Try them in your planting. They will thrive and increase in size and beauty where other plants fail. Catalogue of these and other herbaceous perennials.

EDW. GILLETT, Southwick, Mass.
Mention the Florists' Exchange when writing.

FERNS For dishes, etc., in 6 of the leading varieties, from 2½ in., $3.00 per 100.

ASPARAGUS Tenuissimus Nanus, 3 inch, $5.00 per 100; strong, 3½ in., $8 per 100.

FORGET-ME-NOT True Winter-flowering, 3 inch, $3.00 per 100; 4 inch, 75 cts. per dozen. Address

JOHN G. EISELE,
20th and Ontario Sts., PHILADELPHIA, Pa.
Mention the Florists' Exchange when writing.

ACALYPHA SANDERI

Chenille Plant.

Extra strong 2½ inch pot plants, 4 to 6 inches high $1.00 per dozen; $6.00 per 100.

Field-grown CARNATIONS, ask for prices

THE CALLA GREENHOUSES, Calla, Ohio.
Mention the Florists' Exchange when writing.

1200 KENTIA BELMOREANA

3 to 5 in. pots, $15.00 to $50.00 per 100.

1000 Hydrangea Otaksa—
Fine plants, from ground, 2 to 9 branches, $10.00 to $25.00 per 100.

600 Solanum Jerusalem Cherry—
Bushy and well fruited, from ground, $10.00 and $15.00 per 100.

1500 Aparagus Plumosus Nanus—
3 in. pots, fine, $10.00 per 100.

20 Araucaria Excelsa—
Specimens, 4 to 5 ft. high, 7 to 10 tiers, $4.00 each. The lot, if taken at once, $70.00. Cash, please.

RICHARD H. KIDDER, Waltham, Mass.
Mention the Florists' Exchange when writing.

50,000 BOSTON FERNS

I Make a Specialty of

N. EXALTATA BOSTONIENSIS

Small plants, $4.00 per 100 or $35.00 per 1000; large plants, $6.00 to $50.00 per 100; taken from the bench.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6-in. pots, from $1.00 to $1.50 each; 7-in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 in. pots, $3.00 and $4.00 per doz.

Asparagus Plumosus, 2½ in. pots, $5.00 to $6.00 per 100; 3½ in. pots, $12.00 per 100.

Asparagus Sprengeri, 2½ in. pots, $5.00 to $6.00 per 100.

Araucaria Excelsa, 14 to 16 ins. high, 4 to 5 tiers, 6 in. pots, $1.00 and $1.25 each; 20 to 24 ins. high, 5 to 6 tiers, 6 in. pots, $1.50 each; larger size, $2.00 and $2.50 each.

Rubber Plants, 12 to 15 ins. high, $4.00 per doz., and 20 to 24 ins. high, $6.00 per doz.

Chinese Primroses, 2½ inch pots, $3.50 per 100.

WM. A. BOCK, No. Cambridge, Mass.
Unknown correspondents will send cash with orders. Connected with Telephone.
Mention the Florists' Exchange when writing.

QUICK CASH SALES

That is our object in offering for a short time only some of our most selected stock at following **Cut Rates.** Money refunded if not as represented and fully up to size.

KENTIA BELMOREANA All home-grown; no better quality in the country. 4 in. pots, 5 to 6 leaves, 15 to 20 in. high, worth 60c. each, **$5.00** per doz.; **$40.00** per 100.
5 in. pots, 5 to 7 leaves, 18 to 30 in. high, worth $1.25 each, **$10** per doz.; **$75** per 100.

KENTIA FORSTERIANA 4 in. pots, 4 to 6 leaves, 15 to 24 in. high, worth 50c. each, **$4.50** per doz.; **$35.00** per 100.
5 in. pots, 5 leaves, 18 to 24 in. high, worth 75c. each, **$6.00** per doz.

FICUS ELASTICA 5 in. pots, 18 in. high, worth 50c. each, **$5 00** per doz.; **$40.00** per 100.
6 in. pots, 24 in. high, worth 75c. each, **$6.50** per doz.; **$50.00** per 100.

ARECA LUTESCENS 4 in. pots, 3 plants to a pot, 15 to 18 in. high, worth 50c. ea., **$3** per doz.; **$25** per 100.

BOSTON FERNS Rooted runners from bench, worth $35 per 1000, **$25.00** per 1000.
2 in. pots, worth $5.00 per 100, $40.00 per 1000; **$4.00** per 100; **$35.00** per 1000.
6 in. pots, pot-grown, extra fine, worth 75c. each, **50c.** each.

ASPARAGUS PLUMOSUS NANUS
2 in., worth $5.00 per 100, **$3.50** per 100.
3 in., worth $8 00 per 100, **$6.00** per 100.

ASPARAGUS SPRENGERI
2 in., worth $5.00 per 100, **$3.50** per 100
5 in., worth $25.00 per 100, **$18.00** per 100

EMERSON C. McFADDEN, U. S. Exotic Nurseries, Telephone, 28A, Milburn, **Short Hills, N. J.**
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OFFERS THE FOLLOWING HOME-GROWN

PALMS Free from Insects and Disease of any kind. They cannot fail to give satisfaction. Should be seen to be appreciated. A Trial Order is Solicited.

ARECA LUTESCENS.

3 plants,	6 inch pot,	24 inch	$12.00 per dozen;	$100.00 per 100
3 "	8 "	30 "	30.00 "	
3 "	8 "	36 "	36.00 "	

KENTIA BELMOREANA.

4 inch pot,	5 to 6 leaves,	15 inch high	$4.50 per dozen;	$35.00 per 100
6 " "	6 "	24 "	15.00 "	125.00 "
6 " "	6 to 7 "	26 "	18.00 "	150.00 "
8 " "	6 to 7 "	30 to 32 in. high	$3.00 each.	
8 " "	7 to 8 "	36 inch	4.00 "	

KENTIA FORSTERIANA.

4 inch pot,	4 to 5 leaves,	15 inch high	$4.50 per dozen;	$35.00 per 100
8 " "	6 "	36 to 40 in. high	$3.00 each;	$36.00 per dozen.
8 " "	6 "	48 to 50 in. "	4.00 "	48.00 "

ALL MEASUREMENTS ARE FROM TOP OF POT.
Mention the Florists' Exchange when writing.

BOSTON FERNS—2½ inch, $5.00 per 100; 3 inch, $8.00 per 100.
CRIMSON RAMBLER ROSES We will have a fine lot of field plants for winter forcing. Orders taken now.
THE CONARD & JONES CO., West Grove, Pa.
Mention the Florists' Exchange when writing.

Asparagus Plumosus Nanus, EXTRA STRONG, from 3 in. pots; about ready for a 4-in. shift.
$1.00 per doz.; $8.00 per 100; $70.00 per 1000.
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SEAWANHAKA GREENHOUSES, W. L. SWAN, Proprietor, Lock Box 227, OYSTER BAY, NASSAU CO., N. Y.
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Thousands XX ASPARAGUS SPRENGERI
2 in., $3.50; 2½ in., $4.00; 3½ in., $5 00.
VIOLETS Healthy, field-grown clumps. Imperial, $6.00; Swanly White, $4.50; Campbell, $4.00, California, $3 50.
Spiræa A. Waterer, field-grown, 10 in. high, right size for potting, $6 00. Same from 2½ in. pots, $3.00
Caryopteris (Blue Spiræa), field-grown, 2 ft. high $5 00. Same from 2½ in. pots, $2 50.
California Privet, field-grown, 18 in., $2.50.
English Ivy, 2½ in. pot, 10 in. vines, $1.00.
Baby Primrose, 2½ in. pots, $4.00.
TOMATO PLANTS Gardiner's True Lorillard, for winter fruiting, $3 00.
Prices above are by the 100. Cash with order, please. Samples of any, 10c.
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Northern Heights Greenhouses, WEST GROVE, PA.
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BOSTON FERNS
Now ready. $5.00 per 100.
H. L. CAMERON, No Cambridge, Mass.
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A plant that has all the grace and beauty of Anracaria Excelsa. Everybody wants it. Strong plants, 2½ inch pots, $5.00 per 100.
Grevillea Robusta. Very fine for center plants of fern dishes. 3½ inch pots, $5.00 per 100.
Cupressus Lawsoniana. Fine evergreens, 2½ inch pots, $4.00 per 100.
Shellroad Greenhouses, Grange P. O., Ballo, Md.
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A Few Good Things You Want

KENTIA BELMOREANA and **FORSTERIANA,** 2½ in., 10c.; 3 in., 18c.; 4 in., 35c.; 5 in., 50c. each.
ARECA LUTESCENS, 3 in., 3 plants to pot, 18c.; 4 in., 25c. each. All cool grown, nice clean stock, and cannot be duplicated anywhere for the money.
ROSE BRIDESMAID, 3 in., $5.00 per 100.
SWORD FERN, Nephrolepis Cordata Compacta, 2½ in., $3.00 per 100.
SMILAX, 2 in., $2.00 per 100.
REX BEGONIA, finest varieties, 2½ in., $4.00; 3 in., $6.00 per 100.
GERANIUMS, double and single, Grant, Mme. Bruant, Mrs E. G. Hill, Poitevine, Bonnat and S. A. Nutt, 3 in., $5.00 per 100.
CAMPBELL VIOLET and **VINCA VAR.,** 2½ in., $3.00 per 100.
PRIMULA CHINENSIS, 2 inch, $3.00; 3 inch, $4.00 per 100.
CINERARIA, 2 inch, $2.00; 3 inch, $4.00 per 100.
CYCLAMEN GIGANTEUM, 2½ inch, $4.00; 3 inch, $8.00 per 100.
ASPARAGUS Sprengeri and **Plumosus,** 2 in., $5.00; 3 in., $8.00 per 100. Cash with order.
Will exchange any of above for good field-grown p'ants of Flora Hill Carnation.

GEO. M. EMMANS, Newton, N. J.
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FERNS, ETC.

CHEAP FOR CASH.

	Inch pots	Price each	Per 10	Per 100
Adiantum Capillus Veneris,	2½	$0.04	$0.30	$2.50
" "	3	.05	.45	4.00
A C.V. imbricatum or Hardy Farleyense	3	.15	1.50	
" "	4	.30	3 00	
Selaginella Emmeliana	2	.04	.30	2.50
" "	3	.06	.50	4.50
" "	4	.10	.90	8.00

For other varieties and sizes see wholesale list, from which 10 per cent. discount will be given on all orders accompanied with cash.

W. J. HESSER, Plattsmouth, Neb.
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ASSORTED FERNS

$10.00 per 1000.

BOSTON FERNS $5.00 per 100; $40.00 per 1000. Larger plants, $10.00, $20.00 and $50.00 per 100.
ARECA LUTESCENS Extra large plants, from $1.50 to $4.00 each. Ready for pots, $2.00 per 100; $18.00 per 1000.
KENTIA BELMOREANA 2 inch pots, $6 00 per 100.
PANDANUS VEITCHII Fine, large plants, in 8 inch pots, $2.00 each.
PANDANUS UTILUS In 8 inch pots, $1.50 each.

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...Wholesale Prices of Cut Flowers...

	Names and Varieties	New York Sept. 14, 1900	Boston Sept. 13, 1900	Philadelphia Sept. 5, 1900	Baltimore Sept. 12, 1900	Buffalo Sept. 12, 1900
Roses	A. BEAUTY, fancy—special	10.00 to 20.00	16.00 to 20.00	20.00 to 30.00	.... to	20.00 to 25.00
	" extra	5.00 to 10.00	10.00 to 12.50	12.00 to 25.00	.... to	15.00 to 20.00
	" No. 1	3.00 to 5.00	5.00 to 8.00	8.00 to 20.00	.... to	8.00 to 12.00
	" Culls & ordinary	.50 to 1.00	1.00 to 4.00	5.00 to 10.00	3.00 to 6.00	.... to ....
	Bride, 'Maid, fancy—spc'l	3.00 to 4.00	.... to 6.00	4.00 to 5.00	.... to	5.00 to 7.00
	" extra	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00	.... to	3.00 to 4.00
	" No. 1	1.00 to 2.00	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	2.00 to 3.00
	" No. 2	.25 to 1.00	1.00 to 2.00	1.00 to 1.50	.... to 2.00	2.00 to 6.00
	K. A. Victoria	3.00 to 8.00	2.00 to 6.00	2.00 to 6.00	2.00 to 5.00	.... to ....
	La France	1.00 to 3.00	.... to	2.00 to 6.00	2.00 to 4.00	.... to ....
	Meteor	1.00 to 4.00	1.00 to 4.00	2.00 to 6.00	.... to	2.00 to 6.00
	Papa Gontier	.... to	.... to	.... to	.... to	.... to ....
	Perle	1.00 to 2.00	1.00 to 4.00	2.00 to 4.00	2.00 to 3.00	2.00 to 3.00
	Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
	ORCHIDS—Cattleyas	25.00 to 35.00	.... to	.... to 50.00	.... to	.... to ....
	Cypripediums	.... to 12.00	.... to	.... to	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	.25 to .75	.35 to .50	.35 to .50	.50 to .75	.... to ....
	STANDARD VARIETIES White	.25 to .75	.50 to .75	.75 to 1.50	.... to	.50 to 1.25
	STANDARD VARIETIES Pink	.25 to .75	.50 to .75	.75 to 1.50	.... to	.50 to 1.25
	STANDARD VARIETIES Red	.25 to .75	.50 to .75	.75 to 1.50	.... to	.50 to 1.25
	STANDARD VARIETIES Yel.&Var	.25 to .75	.50 to .75	.75 to 1.50	.... to	.50 to 1.25
	*FANCY— White	.75 to 1.00	.... to 1.00	1.25 to 1.50	.... to	.... to ....
	*FANCY— Pink	.75 to 1.00	.... to 1.00	1.25 to 1.50	.... to	.... to ....
	*FANCY— Red	.75 to 1.00	.... to 1.00	1.25 to 1.50	.... to	.... to ....
	*FANCY— Yel.&Var	.75 to 1.00	.... to 1.00	1.25 to 1.50	.... to	.... to ....
	(*The highest grades of standard var) NOVELTIES	.75 to 1.00	1.00 to 1.50	.... to 2.00	.... to	.... to ....
	ADIANTUM	.50 to .75	.... to .50	.75 to 1.00	.... to 1.00	.75 to 1.00
	ASPARAGUS	35.00 to 40.00	.... to 50.00	30.00 to 50.00	25.00 to 75.00	50.00 to 60.00
	ASTERS	.10 to .50	.20 to .75	1.00 to 2.00	.35 to 1.50	.30 to 1.00
	CALLAS	.... to	3.00 to 6.00	.... to	.... to 6.00	.... to ....
	DAISIES	.... to	.... to	.... to	.... to	.... to ....
	GLADIOLUS	.50 to 1.50	2.00 to 4.00	.... to	2.00 to 3.00	1.00 to 3.00
	IRIS	.... to	.... to	.... to	.... to	.... to ....
	LILIES	1.00 to 2.00	2.00 to 3.00	2.00 to 4.00	2.00 to 6.00	4.00 to 6.00
	LILY OF THE VALLEY	1.50 to 2.00	2.00 to 3.00	3.00 to 4.00	.... to	3.00 to 4.00
	MIGNONETTE—ordinary	.25 to 1.00	.... to 1.00	.... to	.... to	.... to ....
	" fancy	.... to	.... to	.... to	.... to	.... to ....
	SMILAX	8.00 to 10.00	.... to	10.00 to 15.00	.... to	12.00 to 15.00
	SWEET PEAS	.... to	.... to	.... to	.... to	.... to ....
	TUBEROSES	3.00 to 4.00	.... to	1.00 to 4.00	3.00 to 4.00	2.00 to 3.00

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned

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Asparagus Plumosus, Mignonette, Pink Pond Lilies, Brides, 'Maids, American Beauties
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PROPRIETORS
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Can furnish at short notice. Price according to quality of goods. Long Distance Telephone, 2161 and 2071.

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Receiving Daily Fine PRES. CARNOT KAISERINS, METEORS, BEAUTIES, Etc.
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Devotes his whole time to selling VIOLETS.
Fair dealing and prompt payments guaranteed.

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Fine VALLEY in stock at all times.

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Consignments of Choice Valley and Roses Solicited.

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Greenhouses at Hinsdale, Ill.
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Wholesale Commission Jobbers
In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work.
45, 47, 49 WABASH AVENUE, - - CHICAGO, ILL.

...Wholesale Prices of Cut Flowers...

	Names and Varieties	Chicago Sept. 12, '00	St. Louis Sept. 10, '00	Cincinnati Sept. 10, '00	Milwaukee Sept. 10, '00	Pittsburg Aug. 28, '00	Toronto Sept. 8, '00
Roses	A. BEAUTY, fancy—special	15.00—18.00	....—	....—	20.00—25.00	20.00—25.00	....— ....
	" extra	10.00—12.00	....—	....—	12.50—15.00	10.00—15.00	....—20.00
	" No. 1	5.00— 8.00	6.00— 8.00	5.00— 8.00	8.00—10.00	5.00— 8.00	....—15.00
	" Culls & ordinary	2.00— 3.00	....—	....—	3.00— 8.00	2.00— 4.00	....— 5.00
	Bride, Maid, fancy-spec'l	4.00— 5.00	....—	2.00— 4.00	....— 4.00	....— 8.00	....— ....
	" extra	2.00— 3.00	3.00— 4.00	....— 4.00	....— 3.00	....— 4.00	1.00— 6.00
	" No. 1	.75— 1.50	....— 2.00	....— 3.00	....— 2.00	....—	1.00— 6.00
	" No. 2	....— .50	....— 1.50	....— 2.00	....— 1.00	....— 2.00	1.00— 4.00
	K. A. Victoria	3.00— 5.00	2.00— 5.00	....—	4.00— 6.00	4.00— 6.00	....— ....
	La France	....	....	....	....	....	....
	Meteor	2.00— 4.00	2.00— 4.00	2.00— 4.00	4.00— 8.00	2.00— 4.00	1.00— 6.00
	Papa Gontier	....	....	....	....	....	....
	Perle	1.00— 3.00	2.00— 3.00	2.00— 3.00	3.00— 4.00	....—	1.00— 4.00
	Souv. de Wootton	....—	....—	....—	....—	....—	1.00— 6.00
	ORCHIDS—Cattleyas	....—	....—	....—	....—	....—	....— ....
	Cypripediums	....—	....—	....—	....—	....—	....— ....
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	Inf'r grades, all colors	.25— .30	.50— .75	.25— .50	....— 1.00	.50— 1.00	.30— .75
	STANDARD VARIETIES: White	.50— .75	....— 1.00	.50— .75	....— 1.00	....— 1.00	1.00— 2.00
	STANDARD VARIETIES: Pink	.75— 1.00	....— 1.0	.50— .75	....— 1.00	.50— 1.00	1.00— 2.00
	STANDARD VARIETIES: Red	.75— 1.00	....— 1.00	.25— .50	....— 1.00	.50— 1.00	1.00— 2.00
	STANDARD VARIETIES: Yel. & Var.	.50— .75	....— 1.00	....—	....— 1.00	....—	1.00— 2.00
	*FANCY— White	....—	....—	....—	1.50— 2.00	1.00— 1.50	....— ....
	*FANCY— Pink	....—	....—	....—	1.50— 2.00	1.00— 1.50	....— ....
	*FANCY— Red	....—	....—	....—	1.50— 2.00	1.00— 1.50	....— ....
	*FANCY— Yel. & Var.	....—	....—	....—	1.50— 2.00	1.00— 1.50	....— ....
	(*The highest grades of standard var) NOVELTIES	....—	....—	....—	1.50— 2.00	....—	....— ....
	ADIANTUM	.50— .75	....— .75	....— 1.00	.75— 1.00	....— .75	.40— .80
	ASPARAGUS	30.00—40.00	....—	....—	....—	35.00—50.00	....—50.00
	ASTERS	.25— 1.00	.75— 2.00	.25— .50	.50— 2.00	.50— 2.00	.40— 1.50
	CALLAS	....—	....—	....—	....—	....—	....— ....
	DAISIES	....—	....—	....—	....—	....—	....— ....
	GLADIOLUS	2.00— 3.00	....—	....—	....— 3.00	1.00— 3.00	1.50— 4.00
	IRIS	....—	....—	....—	....—	....—	....— ....
	LILIES	.75— 1.00	....—	....—	....—15.00	2.00— 5.00	5.00— 7.00
	LILY OF THE VALLEY	3.00— 4.00	....—	....— 4.00	....—	2.00— 4.00	....— ....
	MIGNONETTE—ordinary	....—	....—	....—	....—	....—	....— .50
	" fancy	....—	....—	....—	....—	....—	....— ....
	SMILAX	8.00—12.00	....—12.50	....—15.00	....—15.00	....—15.00	....— ....
	SWEET PEAS	....	....	....	....	....	.15— .40
	TUBEROSES	3.00— 4.00	3.00— 4.00	2.00— 3.00	....—	....—	....— ....

H. G. BERNING,
Wholesale Florist
1322 Pine Street,
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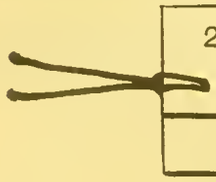

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Buffalo.

Trade News.

Trade in the stores ranges rather quiet, even for Summer. Several of the retailers supplied some good funeral pieces for the obsequies of N. Y. State Comptroller Col. Morgan, who was buried on Sunday last. Rebstock had a number of arrangements in variety. Scott supplied, on an order from the "Official Associates" of the deceased, a large standing cross of massive proportions, which elicited much comment and mention in the local papers.

Asters and gladiolus are quite plentiful; so are roses, but in size very small; while carnations are scarcely relied on just now.

Here and There.

The Park department has taken on lease the Phil Latour greenhouses, which are located across E. Parade avenue from Humboldt Park, and, under the management of Henry Elbers, here will undertake to grow more of the needed bedding plants for this portion of the park system.

A meeting of the Buffalo Florists' Club has been called for Friday evening of this week.

Park Com'r W. F. Kasting is taking in another convention this week at Saratoga, and of political men, where rooters are wanted in strong evidence.

C. T. Guenther, of Hamburg, was a caller last week. Also Mr. and Mrs. John C. Hatcher, of Amsterdam, N. Y., who had been visiting the Toronto Exhibition. VIDI.

Denver.

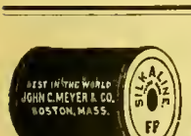
The outdoor season is nearing its end, and good indoor flowers are eagerly bought, being just now a little scarce. Beauty roses are good and sell well, but good teas are hard to get. The same may be said of carnations. During the shortage season some well-grown asters, by Wilmore, greatly helped to fill up the gap. Violets have begun to show up in small lots, but are hardly saleable.

A look around the different growers shows things prosperous for the coming season. At the Park Floral Co.'s greenhouses young carnations look grand, and the houses of Beauty are also a fine sight. A bed of Liberty is to be seen here, and, so far, is good.

J. A. Valentine, our only representative to the New York meeting, is home again, and reports that it was a great convention; only it was hot.

The Denver Florists' Club held its monthly meeting Friday last. The coming chrysanthemum show was the main topic of discussion. The reports of the different committees were read, but owing to so much "16 to 1" going on, the committees asked for further time, and the meeting was adjourned till politics take a rest. After the meeting several of the members got together and formed a bowling club. We expect to start in at once; and although it may be a little early to say it, we may be seen on the alleys at Buffalo next year.

DENVER.



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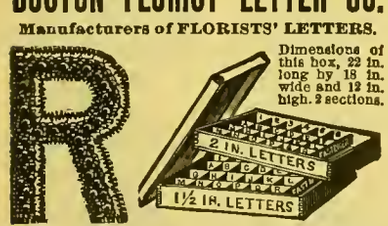

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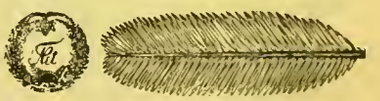

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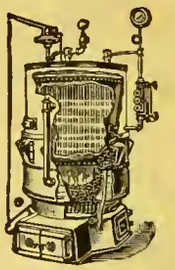

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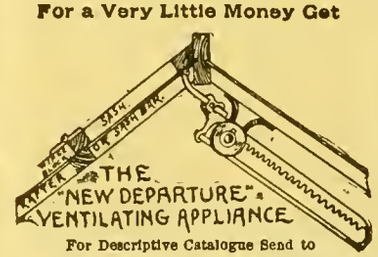

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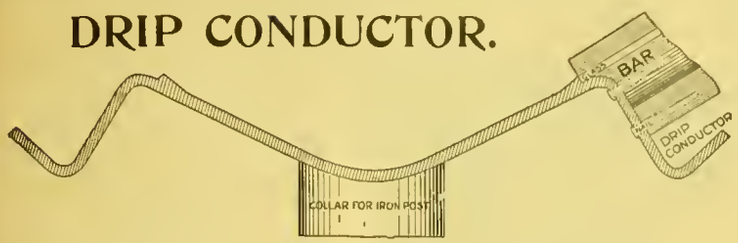

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Standard Ventilating Machine

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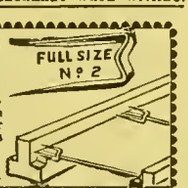

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Stems, fresh picked, bale or case of 300 lbs., $1 50.
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Extract..... gallon, $1 25; 5 gallons, 4 25
Nikoteen ..... $1 50 per pint; 5 pints, 7 00.
Soap ..... 30c per lb; 25 lbs., 5 00.
Full line of Insecticides and Appliances.
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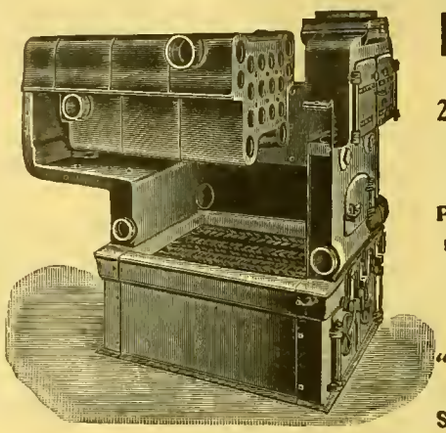

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Perfect Sash Raising Apparatus.
Rosehouses, Greenhouses, Etc., of Iron Frame Construction erected complete or the Structural Iron Work shipped ready for Erection.
Iron Frame Benches with the "Perfect Drainage Bench Tile" for Slate Tops.
Send 4c. Postage for Illustrated Catalogue.

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Dreyer's Second Annual Trade Sale

MESSRS. CLEARY & CO., Auctioneers
60 Vesey St., New York City,
WILL SELL ON

WEDNESDAY, SEPT. 19

BEGINNING PROMPTLY 12 NOON

An Exceedingly Fine Assortment of the Plants enumerated below, by order of

R. DREYER, Woodside, L. I.

PHŒNIX, ARAUCARIAS, LIVISTONA CHINENSIS, ARECA LUTESCENS, PANDANUS VEITCHII, KENTIA BELMOREANA, CYCAS REVOLUTA, PANDANUS UTILUS, KENTIA FORSTERIANA, RHAPIS.

DRACÆNAS (Terminalis, Lindenii, Fragrans). FICUS, straight and branching. JAPANESE FERN BALLS, ADIANTUM CUNEATUM, BOSTON FERNS, ASPIDISTRA, green and variegated. ASPARAGUS SPRENGERI and TENUISSIMUS, ENGLISH IVY, ASSORTED FERNS, ERICAS, &c., &c.

All Sizes, Specimens and Growing-on Sizes—All well-grown and in finest condition.

The sale to be conducted in the houses on the premises, which may be reached by Trolley car, at Long Island City, marked "Woodside," which passes the greenhouses. Also by Long Island R. R. to Woodside Station (E. 34th St. and James Slip Ferries). The stock is all clean, well-grown and in splendid condition. Special catalogue will be mailed on application.

Lunch served on the premises. **Don't forget the day and date.**

Wednesday, September 19, at 12 o'Clock Noon

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ORCHIDS

A splendid stock of established and unestablished Orchids always on hand. A number of varieties now in sheath and spike.

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Special Offer of LARGE PALMS.

1 dozen large **Areca Lutescens**, in pots and tubs, from 10-16 in. diameter. 1 dozen large Latanias, 10-13 in. diameter. 1 pair of Phœnix Reclinata, Tubs, 16 in. diameter. 1 large **Areca Verschaffeltii**, Tubs; 16 in. diameter, 1 dozen **Phœnix Reclinata**, in 9 in. pots. PRICES ON APPLICATION.

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WM. ELLIOTT & SONS, Auctioneers

Will Commence the Fall Season's Sales by Offering on

TUESDAY, SEPT. 18, 11 O'CLOCK

At 54 and 56 Dey Street, New York

Grand Assortment of Decorative Foliage Plants, consisting of Boston Ferns, Rubbers, Straight and Branching; Sago, Kentia and Areca Palms; Violets. Also 5 Cases of Lilium Harrisii, 7 to 9; 5 Cases White Roman Hyacinths, 12 to 15; 5 Cases of Dutch Bulbs

CONSIGNMENTS SOLICITED. WM. J. ELLIOTT, Auctioneer and Appraiser.

The Florists' Exchange

We are a straight shoot and aim to ... rous plant.

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERY... SMEN AND THE TRADE IN GENERAL.

Vol. XII. No. 39. NEW YORK, SEPTEMBER 29, 1900. One Dollar Per Year.

LILIUM CANDIDUM

Per case of 400 bulbs, $16.00.

Large-Flowered Paper White Narcissus

PAPER WHITE GRANDIFLORA.

Case lots, about 1300 bulbs to the case, $7.50 per 1000.

WHITE ROMAN HYACINTHS.

Extra quality bulbs, 12-15 ctm. in circumference, full case lots, about 2000 bulbs to the case, $16.00 per 1000.

Selected quality bulbs, 13-15 ctm. in circumference, full case lots, about 1800 bulbs to the case, $19.00 per 1000.

CALLAS.

Extra sized bulbs, 1 to 1½ in. in dismeter, $5.00 per 100. Selected bulbs, 1½ to 2 in. in diameter, $7.00 per 100.

LILIUM HARRISII.

We have an extra fine lot of 7-9 inch Harrisii—this size is generally scarce.

Selected stock, fine quality, bulbs 5-7 in. in circumference, per case of 400 bulbs, $18.00; bulbs 7-9 in. in circumference, per case of 200 bulbs, $18.00; bulbs 9-11 in. in circumference, per case of 100 bulbs, $20.00.

LILIUM LONGIFLORUM BERMUDA GROWN.

Selected stock, fine, bulbs 5-7 in. in circumference, per case of 350 bulbs, $18.00; bulbs 9-11 in. in circumference, per case of 100 bulbs, $20.00.

FREESIAS.

Extra quality bulbs, ⅝ to ½ in. in diameter, $4.00 per 1000. Selected bulbs, ½ to ¾ in. in diameter, $6.00 per 1000.

ALLIUM NEAPOLITANUM.

$4.00 per 1000.

BERMUDA BUTTERCUP OXALIS.

$5.00 per 1000.

ORNITHOGALUM ARABICUM,

STAR OF BETHLEHEM.

Extra size bulbs, per case of 1000 bulbs, $12.50

☞ Five per cent. discount for cash, with order, from above prices.

For prices of smaller quantities, see our Wholesale Price List, which will be sent free on application;

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Asparagus Plumosus Nanus

CUT STRINGS, 10 FEET LONG 50 CTS.

W. H. ELLIOTT, BRIGHTON, MASS.

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Selected Stock of the following Bulbs is now ready for delivery:

WHITE ROMAN HYACINTH BULBS

Measuring 11 to 15 ctm., equal to 4½ to 6 inches around, $15.00 per 1000; Box of 2500 for $35.00; 4 boxes (10,000 bulbs), for $135.00.

Chinese Sacred Narcissus First shipment just to hand. Per basket of 30 bulbs, $1.50. 4 baskets or mat of 120 bulbs for $5.50, or $45.00 per 1000.

Japan Longiflorum Lilies Now ready for delivery, in splendid condition. One whole box sold at thousand rate.

5 to 7, 500 in box, $20.00 per 1000. 7 to 9, 300 in box, $50.00 per 1000.
6 to 8, 450 in box, $30.00 per 1000. 8 to 10, 200 in box, $80.00 per 1000.

Paper White Narcissus Grandiflora Large bulbs (1500 in case), 80 cts. per 100; $7.50 per 1000.

Trumpet Major Narcissus French grown, earlier than Dutch, flowers before Christmas, sells well, $1.00 per 100; $8.00 per 1000.

Freesia Refracta Alba VERY LARGE BULBS, 1½ to 2½ inches around. per 100, 75 cts.; per 1000, $6.50; 5000 for $30.00.

CLUCAS & BODDINGTON CO., 342 W. 14th St., N.Y. City.

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Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS.

FIELD-GROWN CARNATION PLANTS

The stock of field-grown Carnations which we offer for sale this season is in especially good condition. The plants have been grown upon good soil; the season has been favorable, and we have been less afflicted with plant diseases of all descriptions than at any period heretofore in the history of our Carnation growing. Having a large stock of plants and every facility for packing and shipping promptly, we can fill all orders on the shortest possible notice.

Fine, Strong Stock, Ready for Immediate Shipment.

	Per 100	Per 1000
Mrs. Jas. Dean	$6.00	$50.00
Gen. Maceo, extra size	8.00	75.00
Gen. Maceo, 2d size	5.00	40.00
Gen. Gomez	5.00	40.00
Wm. Scott	5.00	40.00
L. McGowan	5.00	40.00
Melba	7.50	
New York	6.50	
Jubilee	7.00	
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5 Per Cent. Discount if cash is sent with order.

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C. W. WARD, Manager.

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HYACINTHS.

	100	1000
Single Dark Red	$4 25	$41 00
" Light Red and Rose	4 25	41 00
" Red, all shades	4 25	41 00
" Pure White	4 50	43 00
" Blush White	4 25	41 00
" Light Blue	4 25	41 00
" Dark Blue	4 25	41 00
" Blue, all shades	4 25	41 00
" Yellow, all shades	4 50	43 00
" All colors, mixed	4 00	39 00
Double Dark Red	4 25	41 00
" Light Red and Rose	4 25	41 00
" Red, all shades	4 25	41 00
" Pure White	4 50	43 00
" Blush White	4 25	41 00
" Light Blue	4 25	41 00
" Dark Blue	4 25	41 00
" Blue, all shades	4 25	41 00
" Yellow, all shades	4 75	45 00
" All Colors, mixed	4 00	39 00

SACRED LILIES Basket, 90 bulbs, $1.80.

FREESIAS First Size... ...per 100, 65c. Mammoth... " $1.25

LILIUM CANDIDUM Per 100, $5.00.

LILY OF VALLEY Elliott's Perfection, case 2000, $26.00 Three Year-Olds, case 2500, 24.00

LILIUM LONGIFLORUM 5 to 7, per 1000, $20.

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CALIFORNIA CALLA LILY SETS Healthy, strong sets, 1 to 1½ inches in length, suitable for bench growing, $5.00 per 1000, delivered free to any part of the U. S.

CALIFORNIA SAVED PALM AND OTHER SEEDS FRESH ON HAND.

	Per 100	1000	5000
Phœnix canariensis		$0.50	$2.00
" reclinata	$0.25	2.00	8.75
Brahea Edulis (Erythea edulis)	50	4 00	
" Glauca (" armata)	per pound, 75 cts.		
Chamærops Excelsa	per pound, 40 cts.		

Coreopsis Lanceolata..... ...per pound, $1.25
Smilax..... per pound, $1.75; five pounds at $1 50
Anstralian Salt Bush (Atriplex aemibaccatum), per pound, 75c.; 50 lb. lots, 60c.; 100 lb. lots or over, 50c.
Yellow Globe Danver's Onion, per pound, 50c.; per 100 lbs., $45.00.

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Early Roman Hyacinths
Special prices on application.

Sure Crop Mushroom Spawn NEW CROP, $8 per 100 lbs.

WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., NEW YORK.

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SPECIAL OFFER!

SOUND STOCK—SIZES AND COUNT FULL AND OVER.

HYACINTHS.

French—	12	100	1000
Early White Roman, 12-15	$0.25	$1.75	$15.00
" Blue "	.20	1.50	14 00
" Rose pink "	.20	1.50	13.00
" Dbl. Rose "	.20	1.50	13.00
Dutch—First size, separate colors Named, most popular forcing sorts, your choice	1.00	8.50	
Roman, or Miniature, named, your choice	.40	2.75	

TULIPS.

Extra fine, large bulbs, in florists' best assortment	.15	1.20	9.00
Belle Alliance		1.20	9.00
Duke von Tholl, scarlet	.10	.85	7.50
Keizerkroon	.15	1.25	10.50
La Reine	.15	1.20	10 00
Rose Grisdelin	.25	1.50	13.00
Yellow Prince, or Chrysolora	.25	1.30	11.00
La Candeur	.15	1.00	8.00
Murillo, etc., etc.	.40	2.25	20.00
Single, very fine, mixed	.10	.75	6.00

NARCISSUS.

Paper White, True Grandiflora	.15	1.00	7.50
Paper White, True Grandiflora, XXX, special value	.20	1.20	9.00
Golden Sun, orange and yellow, finest forcer	.25	1.50	14.00
Trumpet Major	.20	1.00	8.50
Von Sion Daffodil, XXX, dbl. nosed	.25	1.85	17.00
" " XX, select bulbs	.20	1.50	14.00
" " X, very fine bulbs	.15	1.20	10.00

CHINESE Sacred Lilies Mammoth. Same brand we have imported for 18 years. Original basket, 30 bulbs..... ... $1.50.
Mat, 4 baskets, 120 bulbs..... 5.50.

CALLA Californian-grown. Only left Size 1¼-1½ in. diam., 100, $3.50; 1000, $30.00

FREESIA Refracta Alba, ¾-¾ in., 100, 50 cts.; 1000, $4.00.

LEICHTLINI, pure yellow, 100, $1.00; 1000, $8.00.

Cyclamen Persicum Giganteum bulbs
Monster flowers; pure white, rose, crimson, white with red eye, rose with red eye,
per doz., $1.20; per 100, $3.00.

LILIUM HARRISII 5-7, per 12, 60c.; 100, $4.00
7-9, " $1.25; " 8.50

LILIUM LONGIFLORUM

	Ready Now. 12	100	1000
5-7	$0.40	$2.50	$20.00
6-8	.50	3.50	30.00
7-9	.75	5 50	50.00
9-10	1.25	8.50	80.00

25 at 100 rates; 250 at 1000 rates.

SEEDS Crop of 1900, Kentia Belmoreana or Forsterlana, 1000, $4; 10,000, $35; single 100, postpaid, 75c. Asparagus Sprengeri, 100, 50c.; 1000, $4. Smilax Seed, pkt. 10c.; oz., 30c.; lb., $2.50. Pansy Seed, superb mixture of Giant Exhibition strain, 1000 seeds, 25c.; 5000, $1. Same price separate, Bagnot, Cassier, Odier, Trimardeau, or any color. Stocks, Ten Weeks, Cut and Come Again, in white, fine distinct, rose, crimson, blue, trade pkt., 25c.

5 Per Cent. Cash Discount on List.



FERN BALL.

Japanese Fern Balls December delivery. Write for prices.

NOTE.—We were the first house to import these in U. S. in 1878. Get Bona fide long-leaved, well-seasoned stock.

H. H. BERGER & CO. (ESTABLISHED 1878), **47 Barclay Street, New York.**

Mention the Florists' Exchange when writing.

HIGH-GRADE BULBS!

LILIUM LONGIFLORUM

	Per doz.	Per 100.		Per doz.	Per 100.
5-7	$0.40	$2.50	8-9	$0.90	$7.00
6-8	.50	3.50	8-10	1.00	7.50
7-9	.75	5.00	9-10	1.25	8.50

JONQUIL (Campernelle), 75c. per 100; $5.50 per 1000

HYACINTHS, Single or Double, in Pure White, Blush White, Light Blue, Dark Blue, Pink, Red, $4.50 per 100; $40.00 per 1000.

NARCISSUS!

	Per 100	Per 1000
VON SION, first size	$1 50	$14 00
Double Nose	2 00	18 00
PAPER WHITE, large-flowering	1 00	7 50
TRUMPET MAJOR, Mammoth	1 00	9 00

FREESIA Pure White, 65 cts. per 100; $5.00 per 1000.

Send for Wholesale Catalogue.

STUMPP & WALTER CO., 50 BARCLAY STREET, NEW YORK

Mention the Florists' Exchange when writing.

No More Onion Sets. Now sow my

HARDY ONION SEEDS.

They will come three weeks sooner than the sets, and don't go to seed the first year. lb., $2.00; oz., 15c. Sample free.

BEAULIEU, - WOODHAVEN, N. Y.

Mention the Florists' Exchange when writing.

High-Grade BULBS

for Forcing and Out-of-door Planting.

Our 1900 Wholesale and Retail Catalogues on application.

JAMES VICK'S SONS,

ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

ESTABLISHED 1802

THORBURN'S SEEDS

BULBS NOW READY:

ROMAN HYACINTHS, DUTCH HYACINTHS, NARCISSUS, TULIPS, &c., &c., &c.

Wholesale Bulb Catalogue mailed on application.

J. M. THORBURN & CO.

Late of 15 John Street

36 CORTLANDT STREET, NEW YORK

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CARYOTA URHENS

(Fish-Tail Palm) **SEEDS.**

50 cents per 100; $1.00 per 250; $3.50 per 1000.

Thrinax Elegans (Radiata) and **Oreodoxa Regia** (Royal Palm) Seeds, 50 cents per 250; $1.00 per 500; $1.50 per 1000.

All sent prepaid if cash sent with order.

ALBERT R. LANGWITH, Dominguez No. 17, Cerro, Habana, Cuba.

Mention the Florists' Exchange when writing.

DANISH CAULIFLOWER SEED

Early Dwarf Danish Snowstorm. Selected by the leading grower of Denmark, during a quarter century. Always uniform; fine, large white heads, the acme of perfection. One quality only—the best. **$15.00 a lb.** Orders booked now for November delivery.

A. E. WOHLERT, Importer, ALTOONA, PA.

Mention the Florists' Exchange when writing.

CALLA BULBS

1¼ to 1¾ ins. diam	$3.00 per 100;	$25.00 per 1000
1 to 1¼ " "	2.00 " "	15.00 " "
¾ in. diam	1.00 " "	8.00 " "

STRONG SETS.

2½ to 3 ins. long	$4 00 per 1000
1½ to 2 " "	3.00 " "

SMILAX ROOTS.

2½ to 3 ins. diam.,	$3 00 per 100;	$28.00 per 1000, by freight
1½ to 2 "	2 00 " "	15.00 " " " "
2½ in. pots	1.00 " "	8.00 " " postpaid.
Strong Seedlings, 0.75 " "		3 50 " " " "

SMILAX at All Seasons.

Amaryllis Formosissima.

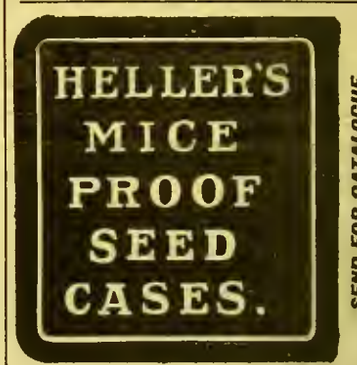
2½ ins. diameter	$3 50 per 100, prepaid
1¾ "	2 00 " "

Violets Princess of Wales.

$1.00 per 100; $8.00 per 1000.

THEODOSIA B. SHEPHERD, Ventura-by-the-Sea, Cal.

Mention the Florists' Exchange when writing.



SEND FOR CATALOGUE.
HELLER & CO., Montclair, N.J., U.S.A.

A VERY CHOICE STOCK OF

HYACINTHS, NARCISSI, TULIPS

Get our prices while assortment is complete.

LIL. HARRISSII 9-11 in., $18.50 per 100; 11-13 in., $38 50 per 100. Extra choice bulbs for **Easter blooming.**

LIL. CANDIDUM (The White Garden Lily). Extra Mammoth, "Thick Petaled," $6.50 per 100; 1st size, $4.00 per 100

VAUGHAN'S CHOICE FORCING TULIPS La Reine, Yellow Prince, Kelzerskroon, $11.90 per 1000, strictly 1st size.

IT PAYS TO BUY GOOD STOCK.

JAPAN-GROWN LIL. LONGIFLORUM, The Kind that Forces. Per 100: 5-7 in., $20.00; 6-8 in., $30.00; 7-9 in., $50.00; 9-10 in., $80.00.

CALIFORNIA CALLA, About 4 inch circumference, $4.00 per 100.

CHINESE NARCISSUS, Prime stock. $36.00 per 1000. Special prices on quantities.

Now ready, our Fall Catalogue. A postal card gets a copy.

VAUGHAN'S SEED STORE, 14 Barclay St., NEW YORK. 84 Randolph St., CHICAGO.

Mention the Florists' Exchange when writing.

SOUTHERN NATURAL PEACH PITS

FOR several years past we have given special attention to the procuring of Southern Natural Peach Pits, selected from original seedling trees in the mountains of Tennessee and North Carolina, which are entirely free from yellows or disease, guaranteed to give good stands and make much stronger and healthier trees than those from any other section. These pits, being very small in size, contain more than double the number to the bushel. We have for many years annually supplied a majority of the best Nurserymen and Peach Growers in the United States. Samples and prices on application.

JOHNSON & STOKES, Seedsmen, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.



AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Cincinnati, O., President; F. W. BOLGIANO, First Vice-President; S. G. COURTEEN, Milwaukee, Wis., Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

A New Tomato.—The Brooklyn Eagle recently illustrated a new tomato named Quarter Century (Disseminators, W. Atlee Burpee & Co.), one shoot of which "had 14 perfectly developed tomatoes, the greater number of them ripened uniformly, and which presented at first glance the appearance of a bouquet of highly-colored flowers. The weight of this cluster was about nine pounds."

European Notes.

The cry is still, as of yore: Shortages! Everything we touch disappoints us, and we really don't know where we are at two days together.

Mignonette is coming out woefully below our expectations; such strong growing varieties as Machet, Bismark, etc., are very poor, and any seed saved loses fully one-half in cleaning. Nasturtiums are quite as bad, never having recovered from the drought of July. Add to the foregoing pansy (which is worse than our gloomiest anticipations), phlox, petunia and zinnia, and it is easy to see that "the poor grower," at any rate, has reason to be sad.

In vegetable seeds peas are now attracting considerable attention, the more so as some irritating shortages are reported from your side. In every case in the knowledge of the writer the crop is simply wretched, while the loss in picking this miserable remnant will be very heavy.

Beans of the Windsor and Longpod type are very small in size and will cause troubles later on. The crop of scarlet runners in England is very poor, particularly the improved strains, which are so deservedly popular in that country. These hardly appear to be estimated at their proper value in your country. If some intelligent and enthusiastic scribe should write them up and make them popular, he would be known to posterity as "a benefactor to his fellow-man."

The only bright feature is the splendid demand for seeds of all kinds from nearly every quarter of the globe.

Is it necessary "to point a moral to adorn this tale"? If so, let buyers hold on to houses of standing for the goods they need. The temptation to gain a few extra shekels by working off stock that has practically no value is too great for some men to resist. Already we hear of offers which range from 5 to 75 per cent. germination and which are certain to cause trouble both to buyers and sellers. In this case it behooveth us to say *Verbum sap.*

EUROPEAN SEEDS.

A Rochester (N. Y.) Gladiolus Farm.

The gladiolus fields of Mr. J. F. Kennell, near Rochester, N. Y., were a fine show through August and the first half of September. About ten years ago he bought a few collections of gladiolus and began selling the cut flowers along with the products of his garden and aplary. Later, the rapid increase of stock of such varieties as Marie Lemoine gave surplus bulbs, which were disposed of in the same way. The plantings have been gradually increased until they now cover four acres and take Mr. Kennell's entire time. Many thousands of bulbs are sold to seedsmen, and of the flowers that are cut a large part were sent to Buffalo the present season, where their fine quality commanded a satisfactory price.

To get varieties suitable for the wholesale cut flower trade, Mr. Kennell has tried practically the entire American catalogue list and many collections of unnamed seedlings, and has cut the list of really desirable kinds down to a half dozen. Of course, the largest sales are of those varieties that are light enough to be used in design work, and which are called by courtesy "white." Shakespeare, May and Augusta, in order of earliness, are the most satisfactory. Augusta is perhaps the most profitable in the whole list, on account of the quantity of bloom produced, and rapid increase of stock. For pink ("rose and carmine") and scarlet Mr. Kennell grows Eugene Scribe and Grand Rouge. The flowers are grand, but the bulbs are difficult to keep over, and increase slowly. Some Brenchleyensis (scarlet) is used early in the season. A fine red seedling, "No. 1900," about two weeks later than the main crop, has attracted much attention this season. Nearly half of the sales in the latter part of the season have been of this one variety. It is a rich dark scarlet, with a conspicuous light patch in the throat; a large striking flower of good shape and well set on the stem. The plant is quite distinct on account of its wealth of dark foliage. The stock increases so rapidly that Mr. Kennell hopes to put it on the market after another season.

Besides the above-mentioned kinds, grown for cut flower trade, there is a large collection of named varieties and several mixtures grown for the wholesale bulb trade. A large block of Isaac Buchanan, a fine yellow, was noticed. Of the colors that are adapted to the florists' needs, but have been discarded by Mr. Kennell, it was explained that one had crooked stems; another burned in the hot sun; one would require staking; some open but few flowers on a spike at a time; and many otherwise fine sorts are thrown out because the flowers are set on opposite sides of the spike, leaving the bare stem between.

The bulbs are planted in single rows two and one-half feet apart, and four to six inches apart in the rows. The first plantings are made as soon as the ground can be worked in the Spring, others following until about the first of June. They receive very thorough tillage, and with the later cultivation the soil is banked against the rows.

Nearly all the work on Mr. Kennell's place is done with his own hands, and having the faculty of close observation, he has acquired an intimate knowledge of the gladiolus that has made him an authority on that flower in Western New York, and has enabled him to succeed with varieties that have been unsatisfactory with others. G. A., Jr.

Chicago's First Wholesale Cut Flower House.

The catalogue of E. H. Hunt, Chicago, just to hand, contains an interesting statement from Mr. Edgar Sanders, as to the first wholesale cut flower house in Chicago. Mr. Sanders writes to Mr. Charles M. Dickinson, manager for E. H. Hunt, as follows:

"In answer to your inquiry relative to whom belongs the credit of being the oldest wholesale flower house in this city, I state without hesitancy that to the firm of E. H. Hunt belongs the honor. Being actively interested in the welfare and growth of the florist business since 1857, I can give you the following facts: In 1878 Mr. J. C. Vaughan began to supply the local retail trade with flowers that were consigned to him by sundry growers. By 1880 this had developed into a regular wholesale cut flower business, which proved very acceptable to both growers and retailers. In 1889 the late respected Mr. E. H. Hunt succeeded, by purchase, to this branch of the business, and since then your firm has been in continuous operation, and is, therefore, the oldest cut flower house in Chicago."

PRIVET

	100	1000
18 to 24 in	$2.50	$22.50
2 to 3 ft	3.50	30.00
3 to 4 ft	5.50	50.00

	100	1000
Hydrangea P. G., 2 to 3 ft.	$7.00	$ 70.00
" " 3 to 4 ft.	10.00	100.00
Clematis Paniculata, No. 1,	7.50	70.00
" " Extra,	9.00	80.00
Ampelopsis Veitchii, No. 1	6.00	50.00
" " Extra,	8.00	75.00

Hardy Herbaceous Plants, in large variety.

Crimson, Yellow, White and Pink Ramblers.

SEND FOR WHOLESALE LIST.

ELIZABETH NURSERY COMPANY,

ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

CALIFORNIA-GROWN BULBS

Send for our Special Trade List. Address

California Nursery Company, Niles, Calif.

Mention the Florists' Exchange when writing.

GUARANTEED A1 BULBS

L. HARRISII. Per 1000

5-7 inch	$80 00
7-9 "	75 00

WHITE ROMAN HYACINTHS.

Red skinned	11 00
Named Hyacinths, in fine pot varieties	54 00

TULIPS.

Alba Regulus, white	8 00
Cottage Maid, pink	9 00
Duchesse de Parma, orange red	6 25
Keizerskroon, red and yellow	10 00
La Reine, white	9 50
La Belle Alliance, scarlet	9 00
Princess J. Marianne, white, slightly pink, large	8 00
Proserpine, carmine rose	15 00
Rose Grisdello, pink	12 00
Vermillion Brilliant, scarlet	21 50
Yellow Prince, yellow	9 50
Double Gloria Solis, red and yellow	9 00
" Murillo, light pink	20 00
Tournesol, red and yellow	13 00

NARCISSUS.

Von Sion, top roots	13 00
" 1st size	11 50
" 2d size	10 00
Campernelle Major	3 50
Trumpet Princeps	8 00

JAPAN LILIUM LONGIFLORUM.

6-8 inch	per 1000, $27 50
7-9 "	" 40 00

Cash with order. 250 sold at 1000 rates.

HULSEBOSCH BROS., Englewood, N. J.

HENDERSON'S SUPERIOR BULBS



"I get more spikes of 'firsts' from your strain of White Romans than from any I ever grew before." A. S. WALLACE (Florist), Montclair, N. J.

Largest Stock. Largest Variety.

Lowest Prices

Consistent with Superior Quality.

Our Wholesale Bulb Catalogue For FLORISTS ONLY.

MAILED ON APPLICATION.

HENDERSON'S SUPERIOR WHITE ROMAN HYACINTH BULBS. First Size, 12 to 15 ctm., $17.50 per 1000; Extra Size, 13 to 15 ctm., $20.00 per 1000.

HENDERSON'S SUPERIOR LILIUM HARRISII BULBS. First Size, 5 to 7 inch, $42.00 per 100.0; Extra Size, 7 to 9 inch, $90.00 per 1000.

PETER HENDERSON & CO.

35 and 37 Cortlandt Street, NEW YORK.



"The Bermuda Easter Lily Bulbs I got from you (P. H. & Co.) are grand. In fact, every person who has seen them says they are the best ever seen in this part of the country; they are practically free from 'disease.'" LAWRENCE COTTER (Florist), Dorchester, Mass.

Mention the Florists' Exchange when writing.

25,000 LOW BUDDED ROSES (American) on Manetti, best forcing kinds, $8.50 to $15.00 per 100, including CRIMSON RAMBLER.
CALIFORNIA PRIVET 2 year, 3 to 4 feet, $40.00 per 1000. Smaller sizes, both in 1 year and 2 year plants.
HYDRANGEA P. G. 2 to 3 feet, $8.00 per 100. My assortment of Hardy Nursery stock is very complete. Catalogue upon application.
HIRAM T. JONES, Union County Nurseries, **Elizabeth, N. J.**
Mention the Florists' Exchange when writing.

BRIEFS FOR BUSY FLORISTS.

CARNATIONS, that are to remain in the field until chrysanthemums are off the benches, ought to be kept from flowering until after they are housed; they will then be in a better condition for producing blooms through the Winter. Keep the buds picked off by all means, and if frosts occur, a mulch of litter between the rows will keep the plants from getting too severe a check.

PANSIES.—The transplanting of these from the seed bed to the frames should not be delayed any longer. The soil in the frames should have a liberal dressing of manure dug into it, and if a good sprinkling of lime be also incorporated with the soil, and put around the edges of the woodwork of the frames, slugs and other vermin will be kept down materially.

ROMAN HYACINTHS AND PAPER WHITE NARCISSUS, wanted for Christmas blooming, should be potted up right away to give the best results, as forcing them into flower before sufficient time has been given them to form plenty of roots always results in a poor lot of flowers. After the bulbs are potted, the pots can be put outside and covered with three or four inches of soil, remaining there until the middle of November without being disturbed.

SWEET PEAS.—Where a bench in a cool house can be devoted to these for Winter-flowering, the seed should be sown about this time. Sow in rows across the bed, and have the rows two feet apart. A stout stick at the end of each row, to which five-foot chicken wire is attached, makes the most convenient trellis. A night temperature of 45 degrees proves the most satisfactory, and the vines will yield flowers a longer time than if grown in a higher night temperature, besides being less liable to attacks from red spider, thrips, etc.

PRIMULAS.—The first sown batch of primulas are now ready for the flowering sized pots, and should be potted right along. A five-inch pot is plenty large enough. Work a little well-rotted manure into the soil (this being the last potting), and don't pot without putting a crock over the hole in the bottom of the pot to insure drainage.

ADIANTUM FARLEYENSE.—This fern never seems to be plentiful enough during the Winter months, and it is one of those things that, when it is wanted, it is wanted very badly, and there is nothing that can be substituted for it. To grow this fern it is absolutely necessary that the potting material be coarse, so as to drain very easily. A fine soil, that holds moisture any length of time, is sure death to this fern. It grows perfectly free in a mixture of fibrous peat and fibrous loam, with plenty of rough, gray sand added; and, as the plants get large enough for seven or eight-inch pots, an addition of well-rotted cow manure—about one-tenth of the whole—may be given. When preparing the soil in which to pot the plants, tear the fibrous peat and loam to pieces; mix it well together, shake out the fine soil from the lumpy pieces and put it to one side, using only the rough material for the potting. Never stand the plants directly on the bench if there is a sand bottom; stand them on an inverted pot; or use half-inch broken marble or stone on the bench bottom. Snails will never be so troublesome then, and the drainage will never clog up. Permanent shade should be on the glass, and a night temperature of 60 degrees must be maintained. Watering must be done with the watering-pot, then excesses will be avoided. Never syringe the plants. Keep the atmosphere reasonably moist by dampening the paths and walls occasionally. This should be governed chiefly by the rise of the temperature through the day. A dry air is one of the conditions that must be avoided to successfully grow this most beautiful of adiantums.

Newburyport, Mass.

E. W. Pearson has refitted and painted the office at his greenhouses.

A Family Jar.

A correspondent, writing from Shanghai, says that a young Chinese lady there has recently been married to a red flower-vase, the vase being a substitute for the son of a wealthy mandarin to whom she had been engaged. Her fiancé died just before the contemplated marriage, and as she vowed she would never wed another, the flower-vase was substituted for the bridegroom, and the marriage celebrated with all due pomp. These impersonal marriages are not uncommon in China, and it is easy to believe that a happy pair so united would easily dispense with other family jars.—*London Chronicle.*

IF YOU NEED ROSES
Send us your list for prices.
THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.
Mention the Florists' Exchange when writing.

MYRTLE! For Cemetery and Ornamental Work.
SMILAX, January sowing, transplanted to field in May, large, per 100, mail free, $2.00; smaller, $1.00.
DOUBLE HOLLYHOCKS, separate or mixed, white, red, yellow, pink, per 100, $1.00.
CALIFORNIA PRIVET, 2 to 2½ feet high, 2 to 4 branches, per 100, $3.50; 1½ to 2 ft., 2 to 4 branches, per 100, $2.75; 15 to 20 in. high, per 100, $2.25.
ECHEVERIA Secunda Glauca, about 1 in. diameter, well rooted, per 100, $12.00; 1½ in., $15.00; 2 in., $20.00. Cash with order.
F. A. SOLLES, E. 10th St., Lawnwood, Brooklyn, N.Y.
Mention the Florists' Exchange when writing.

RHODODENDRON MAXIMUM.
Collected plants, shapely and well rooted.

12 inch	Rhododendron,	per 100	$18.00
18 "	"	"	30.00
24 "	"	"	25.00
36 "	"	"	50.00
36 "	" extra choice	"	35.00
4 to 5 feet	"	" per 100	$50.00 to 70.00

We ship only extra good plants with good roots.
A. E. WOHLERT, ALTOONA, PA.
Mention the Florists' Exchange when writing.

Yucca Filamentosa
Fine, large plants, $10.00 per 100.
SAMUEL C. MOON, Morrisville, Pa.
BUCKS CO.
Mention the Florists' Exchange when writing.

AMERICAN TREE SEEDS.
Our Descriptive Catalog of American seeds is just out.
Ask for it and secure trade discount on advance orders.
Our Folder, "How to Make Tree Seeds Grow," free with every order.
PINEHURST NURSERIES, Pinehurst, N.C.
Otto Katzenstein, Mgr.
Mention the Florists' Exchange when writing.

CAPE JESSAMINES
GARDENIA FLORIDA,
Strong and stocky, 10 to 12 in., 3 in. pots, $1.00 per doz., $7.00 per 100; 8 to 10 in., 75c. per doz., $5.00 per 100; strong plants, from flats, 6 to 8 in., $3.00 per 100, $25.00 per 1000; 3 to 6 in., $2.00 per 100, $15.00 per 1000.
JOHN MONKHOUSE, Caddo Nurseries, Jewella, La.
Mention the Florists' Exchange when writing.

KOSTER & CO.
Hollandia Nurseries, - BOSKOOP, HOLLAND
Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Pæonies, Pot-grown plants for forcing, Rhododendrons, H. P. Roses, etc.
No Agents. Catalogue free on demand. No Agents.
Mention the Florists' Exchange when writing.

IRISH JUNIPER

12 to 15 inches	100, $5.00;	1000,	$40.00
15 to 18 "	" 7.00;	"	50.00
18 to 24 "	" 10.00;	"	75.00
24 to 36 "	" 12.00		
36 to 48 "	" 15.00.		

Juniperus Compacta, new dwarf, 12 inch, 50c. each; $5.00 per dozen. Rooted cuttings of Irish Juniper ready in May, 1901. $20.00 per 1000.
JOSEPH HEINL, Jacksonville, Ill.
Mention the Florists' Exchange when writing.

Grape Vines
Descriptive and Price List free.
Currants, Gooseberries and other **Small Fruit Plants.** Extra quality. Warranted true.
T. S. HUBBARD CO., FREDONIA, N. Y.
Mention the Florists' Exchange when writing.

200,000 Peach Trees
This stock is thrifty and healthy. All grown from Tennessee pits. No better Peach stock to be had.
Address
STEPHEN HOYT'S SONS, New Canaan, Conn.
Mention the Florists' Exchange when writing.

CHOICE SHRUBBERY
At lowest surplus prices. All first-class transplanted stock. Also Evergreens and Shade Trees, cheap.
E. S. Peterson & Sons, Box 17, Montrose, N.Y.
Mention the Florists' Exchange when writing.

PARSLEY
Large field-grown clumps, 75c. per 100; $5.00 per 1000. Smaller plants, $1.00 per 1000.
SAGE, extra large clumps, $2.00 per 100.
THYME, fine clumps, $2.00 per 100.
J. C. SCHMIDT, Bristol, Pa.
Mention the Florists' Exchange when writing.

SUGAR MAPLE
500 handsome trees, 10 to 12 feet, 25 selected trees, 4 to 6 inches caliper.
Also **Norway, Silver** and **Sycamore Maples,** at low prices.
W. P. BRINTON, Christiana, Pa.
Mention the Florists' Exchange when writing.

FRUIT and ORNAMENTAL TREES,
Shrubs, Vines and Roses
Write for price list or send your lists of wants for special prices.
W. & T. SMITH CO., Geneva, N. Y.
Mention the Florists' Exchange when writing.

SURPLUS FOR SPRING 1900
Can yet do **PEACHES** and **JAPAN PLUMS** in limited quantity; also **MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY** and **STRAWBERRIES** from best leading varieties. Prices for same given upon application.
MILFORD NURSERIES, Milford, Del.
ALEX. PULLEN, PROPRIETOR.
Mention the Florists' Exchange when writing.

HYDRANGEAS
Magnificent Strong Stock, with 4 to 7 Crowns.
Otaksa, Red-Branched, Thos. Hogg,
Price, $10.00 per 100; $85.00 per 1000.
Send for our wholesale Price List of Roses, Clematis, Shrubs, Trees, etc., etc.
Our representative, Mr. J. Austin Shaw, is now in New England, and we should be pleased to have him call upon prospective purchasers of any stock in our line.
JACKSON & PERKINS CO., Newark, New York
Mention the Florists' Exchange when writing.

PÆONIES Choice collection of ten varieties, from pure white to crimson. Indispensable to the florist for Decoration Day. Doz., $1.50; $10.00 per 100.
CLEMATIS, large-flowering, also Paniculata; a large stock, two-year, 20 varieties. Doz., $2.00; $16.00 per 100. Paniculata, field-grown, $6.00 per 100.
JOSSELYN, or Red Jacket Gooseberry, the best all-round Gooseberry out, always loaded with its great crimson berries in season. One year, $4.00 per 100; $35.00 per 1000.
F. A. BALLER, Bloomington, Ill.
Mention the Florists' Exchange when writing.

VEGETABLE PLANTS
CABBAGE H. Succession, Flat Dutch, Jersey and Charleston Wakefield, 15c. per 100; $1.00 per 1000; $3.50 per 10,000.
LETTUCE Grand Rapids, Curled Simpson, Boston Market and other varieties, 15c. per 100; $1.00 per 1000; $8.50 per 10,000.
PARSLEY Good curled extra strong, 25c. per 100; $1.50 per 1000.
CAULIFLOWER H. Snowball, 35c. per 100; $2.50 per 1000.
If wanted by mail, add 10c. per 100 on Cabbage, Lettuce and Cauliflower. 25c. per 100 on Parsley. Cash with order
R. VINCENT, JR. & SON, White Marsh, Md.
Mention the Florists' Exchange when writing.

P. OUWERKERK
1123 Summit Ave., Jersey City, N. J.
Just received from our Holland Nurseries

RHODODENDRONS,	AZALEAS,
SPIRÆA JAPONICA,	LILIUM SPECIOSUM,
PÆONIES,	BLEEDING HEART,
POT GROWN LILACS,	HYDRANGEA IN SORTS.

CLEMATIS and H. P. ROSES, in the best sorts.
PRICES MODERATE.
Mention the Florists' Exchange when writing.

F. & F. NURSERIES SPRINGFIELD, NEW JERSEY.
Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.
Mention the Florists' Exchange when writing.

ANDORRA NURSERIES
Red and Pin Oaks, 10 to 14 feet
Hemlocks, 4 to 6 feet
TRANSPLANTED SPECIMEN TREES.
WILLIAM WARNER HARPER, Prop., Chestnut Hill, Philadelphia, Pa.
Mention the Florists' Exchange when writing.

TREES Fruit Trees, Small Fruits, including grapes. Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.
ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. Rochester, N. Y.
Mention the Florists' Exchange when writing.

Deciduous Trees Medium and large sizes, including OAKS, MAPLES, ORIENTAL PLANE, BEECH, BIRCH, GINKO, ELMS, ASH, LINDENS, MAGNOLIAS, POPLARS and WILLOWS.
We have an immense stock of the above and are prepared to name liberal rates in quantity. Personal inspection invited. Correspondence solicited.
NURSERIES: 30 miles from Phila. 60 miles from New York.
THE WM. H. MOON CO., Morrisville, Pa.
Philadelphia Office: 702 Stephen Girard Bldg.
Mention the Florists' Exchange when writing.

Cincinnati.

Market Conditions.

Business is good, prices are advancing, and stock is improving in quality. The Fall Festival is making a market for cut flowers. At the exhibition of floral designs and general display, held at Music Hall on Thursday, George & Allan carried off first prize of $100; Sunderbruch's Sons took the second prize of $75 and Hoffmeister Floral Co. third prize of $50.

Chrysanthemums will not be in this market in any quantity before October 10. The first varieties will be white and yellow Fitzwygram. Huntsman & Co. were the first to display chrysanthemums on September 24.

Jottings.

The Fall Festival in itself is a grand success, and the city is crowded with strangers; all the buildings are beautifully decorated.

Albert Brunner, of G. Brunner's Sons, was badly hurt in a street car wreck, Saturday evening, while on his way to the city. Two of C. C. Murphy's men were on the same car, one of whom has since died. The other had his legs broken in two places and very little hopes are entertained of his recovery. The accident occurred on the Elberon Avenue Price Hill Line, the car jumping the track while running at a high rate of speed.

E. G. GILLETT.

Pittsburg.

The Market.

Trade has improved considerably the past week in every way; funeral work has been plentiful, particularly, among the Allegheny Market florists. There is no scarcity of stock. Asters still take the lead. A good many dahlias are used, and are very fine. The quality of carnations and roses has not improved much yet.

Jottings.

Those little flower pots are making things lively in the Allegheny Market. G. & J. Ludwig are also distributing thousands. Everybody asks for them.

J. B. Murdoch has about completed the alterations in his store room, and his plate glass window is the finest in town.

Some nice contracts were awarded by the Department of Public Works for trees and shrubs for the parks of the city. The contracts were pretty well divided among A. E. Crouch, Rochester, Pa.; Thomas Meehan & Sons, Germantown, Pa.; Ellwanger & Barry, Rochester, N. Y., and the Andorra Nurseries, Chestnut Hill, Philadelphia. The bids aggregate about $11,000. All this stock will be set out in the parks this Fall.

Schenley and Highland Parks are in fine trim yet; the cold weather has had no effect on any of the plants.

E. C. REINEMAN.

[The little pots referred to by our correspondent, in this and last weeks' issue, are the same as those given away at the New York Convention as souvenirs, by the Whilldin Pottery Co., of Philadelphia, who also furnished the supplies distributed by the Pittsburg and Allegheny florists.—ED.]

Chicago.

State of Trade.

As cooler weather prevails, business at the wholesale houses is improving rapidly. Stock clears off much more satisfactorily and an advance in price is noted all along the line. Shipping trade is already quite a feature. Asters will cut less of a figure from now on, relieving the glut of white carnations, and making a place for the chrysanthemums expected the end of this week, Amling already having orders booked for these flowers.

Nick Wietor reports good shipping orders for both roses and carnations; of the former 5,000 went to a Northwestern city to fill one order.

Those handling bulbs and florists' supplies are in the midst of a good Fall trade. J. C. Vaughan has received his seventh car load of bulbs, and they are going out at a lively rate.

Club Meeting.

The first meeting of the club after vacation occurred September 21. Preparations were made for a regular program of essays and work for the ensuing season. A long list of suitable subjects was presented by the committee. This was discussed, and the subjects assigned to various competent parties.

At the meeting in October, the Boston fern, and small ferns for filling pans, baskets, etc., will be dealt with; J. S. Wilson and F. Ochstein, to open the discussion. Bulbs suitable for forcing will be the topic assigned to Anton Then and August Juergens. Election of officers occurring the second meeting in October, a talk on violets only will be given by Mr. Weber.

Since the meeting, Secretary C. W. McKellar has in reply to inquiries received letters from Galveston florists telling of the pitiable condition of the craft there, occasioned by the recent hurricane. President Hartshorne has been asked to call a special meeting of the club to take action thereon.

Among Growers.

Anton Then has 10,000 chrysanthemum plants, and expects about 12,000 blooms—a few more than last year. He began to cut Lady Fitzwygram about the first of September, and considers it a useful variety for his own store. Other kinds grown are about the same as those of last year, with perhaps more of W. H. Chadwick, and a considerable batch, for very late, including Merry Christmas. He also has Feé du Champsaur and a sport of Yellow Hardy on trial. Mr. Then is growing 15,000 carnations. He commenced to house as early as August 10, finishing about the 20th. Excepting some trouble with stem rot, particularly on Triumph, the plants look well. Crane shows a good crop for first cut, the length of stem being fair. Bradt is always late. Argyle is looking well. This variety is found to be a good keeper. Mr. Then considers, for his use, that McGowan and Daybreak are too good to discard. New varieties include Mrs. Lawson, Genevieve Lord and the Marquis, all of which are doing well.

The Weber Bros. have their eight rebuilt houses in roses, including 5,000 each of Bride and Bridesmaid.

Round About.

The Chicago and Northwestern Railway is to discontinue the decoration of its stations with flower beds. These are to be replaced by shrubbery. The greenhouses will be devoted exclusively to raising cut flowers for the road's dining cars.

Anthony Warnemont, gardener at the C. B. & Q.'s greenhouses, Aurora, has a seedling white chrysanthemum of incurved type which he expects to exhibit at the forthcoming show.

Visitors this week included Geo. E. Jones, of the Houston Nurseries, Houston, Ga., and W. L. Morris, Des Moines, Ia. ESS.

VIOLETS Fine, healthy clumps of Lady Campbell, field-grown from young plants rooted in sand last Spring, $3.00 per 100; $25.00 per 1000. Plants that will please, well hacked. Address
CHARLES BLACK, Hightstown, N. J.
Mention the Florists' Exchange when writing.

VIOLETS and CARNATIONS!
2000 Farquhar, field grown, good plants, at $30.00 per 1000. 600 Scott, surplus for $15.00.
FRED'K A. TAYLOR, Cannelton, N. Y.
Mention the Florists' Exchange when writing

VIOLETS. VIOLETS.
Maria Louise, clean and healthy in every particular 3 in. pots, $5.00 per 100; ready. Cash with Order.
WM. J. CHINNICK. - Trenton, N. J.
Mention the Florists' Exchange when writing.

VIOLETS A1 stock, free from disease: Lady Campbell, $2.50 per 100; $20.00 per 1000. Field-grown plants of Lady Campbell and M. Louise, $4.00 per 100; $35.00 per 1000.
ROSES Meteors, Perles, 'Maids and Brides, extra fine stock, 3 inch, $3.00 per 100, $20.00 per 1000.
CARNATIONS. A bargain on such varieties as White Cloud, Flora Hill, New York, Evelina, Scott, etc. Write for prices.
CRABB & HUNTER, Grand Rapids, Mich.
Mention the Florists' Exchange when writing.

VIOLETS
MY SPECIALTY.

	Per 100
Marie Louise, from flats, small, healthy	$1 50
Princesse de Galles, extra large, from field, from 6 to 12 inches wide	5 00
Good size	3 00

CARNATIONS
Very extra large John's Scarlet, from 12 to 25 shoots, $5.00 per 100; $45.00 per 1000.
Freedom, best bloomer, white, per 100, $4.00.
CASH WITH ORDER.
FERD. BOULON, Seacliff, N.Y.
Mention the Florists' Exchange when writing.

8,000
Lady H. Campbell Violets
Large, field-grown plants, $5.00 per 100; $15.00 per 1000.
RICHARD LANGLE, White Plains, N. Y.
Mention the Florists' Exchange when writing

VIOLETS L. H. Campbell, extra large, healthy, field-grown clumps, $4.00 per 100; $35.00 per 1000. 500 at 1000 rate.
SMILAX, very fine, large plants, $2.00 per 1000.
GUSTAV PITZONKA, Bristol, Pa.
Mention the Florists' Exchange when writing.

SCHMIOT'S PANSIES Have no equal. Plants from seed bed, $3.00 per 1000.
FORGET-ME-NOT Hardy, fine plants, $4.00 per 1000; 50c. per 100.
J. C. SCHMIDT, Bristol, Pa.
Mention the Florists' Exchange when writing.

VAUTIER'S
MAMMOTH PANSY
New crop seed now ready. This is the largest and finest Pansy ever offered. We have testimonials from florists from all parts of the U. S praising its size and merits. Trade packet, $1.00; oz., $4.00.
H. G. FAUST, 64 and 66 N. Front St., Philadelphia, Pa.
Mention the Florists' Exchange when writing.

Pansies Worth Raising
Seed, $\frac{1}{16}$ oz., $1.00; 1 oz., $4.00
Nice Stocky Plants, 500 for $2.50; 1000 for $4.00
Per express at buyer's expense. Cash with order.
CHR. SOLTAU, 199 Grant Avenue, Jersey City, N. J.
Mention the Florists' Exchange when writing.

PANSY PLANTS
Of finest strains, per 1000, $4.00.
Unrooted Double GEN. GRANT GERANIUM Cuttings, per 1000, $5.00.
CANNA ROOTS 1-3 eyes as they drop while digging, per 1000, $10.00.
FOR CASH.
WILLIAM STUPPE, Hollis, L. I., N. Y.
Mention the Florists' Exchange when writing.

A NOVELTY IN PANSIES.
Pansy growers who fail to include the giant flowered Mme. Perret in their collections will not be "in it" next Spring. Gorgeous colorings and extra large flowers. Can be seen in bloom at my place now. Oz., $4.00; large trade pkt., 25c. Small sample free on application. All other varieties at lowest price.
BEAULIEU, Walker and Belmont Aves. Woodhaven, N. Y.
Mention the Florists' Exchange when writing

Roemer's Superb Prize
PANSIES
PLANTS READY NOW.
Free by mail, 65 cts. per 100; 250 for $1.50. By express, $4.00 per 1000; $7.00 per 2000; $10.00 per 3000; $15.00 per 5000.
CASH WITH ORDER.
PETER BROWN, Lancaster, Pa.
Grower of Extra Fine Pansies.
Mention the Florists' Exchange when writing.

PANSIES.
Extra fine colors and strong plants, ready for planting.
TRY THEM.
By mail, prepaid, 75 cts per 100; 250 for $1.50; 500 for $2.50. By express, buyers' expense, $4.00 per 1000.
Cash with all orders, please.
CHAS. F. DRAWIEL, 433 5th Ave., Brooklyn, N. Y.
Mention the Florists' Exchange when writing.

PANSIES
The Jennings Strain.
My 1900 strain cannot be excelled; plants, finest mixture, 60c. per 100, by mail; $4.00 per 1000, by express. Seed, $1 per pkge.; $5 per oz.
Cash with order.
E. B. JENNINGS, Lock Box 254 Southport, Conn.
Grower of the finest Pansies.
Mention the Florists' Exchange when writing.

PANSIES
My strain is good and embraces a wide range of colors and varieties, 60 cts. per 100 by mail, $3.50 per 1000 by Express.
Hardy Plants at low prices, such as Veronica, Coreopsis, Funkia, Phlox, Columbine, Larkspur, Helenium, etc. Write for prices on quantities needed.
Cash with orders please.
W. C. JENNISON, Natick, Mass.
Mention the Florists' Exchange when writing.

PANSY PLANTS
Giant, fine mixed, very strong, per 1000, $3.00.
Orders not solicited for less than 500. Special prices on 10,000 or more, buyer to pay express charges. Cash must accompany order.
JOHN LAPPE, - Maspeth, L. I.
The Largest Pansy Grower in America.
Mention the Florists' Exchange when writing.

PANSIES
Harris's Improved Strain of large and extra fine colors. Plants from seed bed, 60 cts. per 100 by mail; $4.00 per 1000.
GIANT SWEET ALYSSUM Double, 2 inch pots $1.50 per 100.
CASH WITH ORDER.
C. A. HARRIS & CO., Delanson, N. Y.
Mention the Florists' Exchange when writing.

Zirngiebel Giant Pansy
PLANTS NOW READY.
Giant Market, $5.00 per 1000. Giant Fancy, $10.00 per 1000. Also Seeds of the above strains, trade packages at $1.00 each.
DENYS ZIRNGIEBEL, Needham, Mass.
Mention the Florists' Exchange when writing.

HERR'S PANSIES
ALWAYS THE BEST and better every year.
They sell themselves. Try a hundred as an experiment.
Plants only, and ready October 1st to January 1st. Free by mail, 75c. per 100; 250 for $1.50; 500 for $2.50.
By Express, at your expense, $4.00 per 1000.
ALBERT M. HERR, Lancaster, Pa.
Mention the Florists' Exchange when writing.

500,000 PANSIES Fine, Strong Plants. **50,000 DAISIES**
Giant Trimardeau and Roemer's Superb Prize Strains of Pansies, 50c. per 100, postpaid; $3.00 per 1000; $12.50 per 5000, express. Our large flower strain, 40c. per 100; $2.50 per 1000; $10.00 per 5000.
Hardy Daisies, Snowball and Longfellow, 50c. per 100; $3.00 per 1000; $12.50 per 5000.
Rex Begonia, 2 inch, fine stock, $3.50 per 100.
Carex Japonica Variegata, 2 inch, $3.00 per 100; $25.00 per 1000.
CASH, PLEASE.
BYER BROTHERS, - Chambersburg, Pa.
Mention the Florists' Exchange when writing

PANSY PLANTS We offer a selected strain of NEW YORK MARKET PANSIES, all large-flowering and the very best colors, the best selection that could be made. We have a limited number of plants to sell at
$3.00 Per THOUSAND F. O. B. NEW YORK.
PETER HENDERSON & CO. 35 & 37 Cortlandt St. NEW YORK
Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent, also Second-hand Materials.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED.

FLORIST, 26, German, six years in the country, wishes position. C. R., 216 Miller Av., Brooklyn.

FLORIST, gardener, single, desires situation, excellent reference. Y. O., care Florists' Exchange

SITUATION wanted, young man, 24; two years' experience in greenhouses. Henry Bauer, 385 East 10th St., New York.

SITUATION, gardener or fireman, 12 years' experience, married; reference. P. D. M., 294 Pequonnock St. Bridgeport, Conn.

ROSE and carnation grower wants situation; capable of taking charge, single, age 31. X. L., care Florists' Exchange.

A YOUNG Canadian, aged 19, wishes to learn the culture of flowers in some reliable establishment in the Eastern States. Address Post Box 518, Montreal, Canada.

CHANGE of situation wanted, as designer and decorator; experienced in all branches of the business; can produce references. Y. R., care Florists' Exchange.

SITUATION wanted by practical florist, German, 25, experienced in carnations, forcing bulbs, landscaping, and general stock; open now; N. Y. state preferred. Y. P., care Florists' Exchange.

FIRST-CLASS carnation and rose grower wants situation as foreman; German; married; 14 years' experience in Germany, England, France and this country. Y. M., care Florists' Exchange.

SITUATION wanted by a good practical grower of cut flowers and general stock, as working foreman; 33 years of age 18 years' experience, has been with the best growers in this country and Europe; first-class references. Address Florist, 49 Prospect St., Madison, N. J.

POSITION wanted where capabilities can be made use of, by a German, 25 years old, lifetime experience in all branches of horticulture in Germany, France, England; first-class references; would take charge. Please state wages and position. Y. Y., care Florists' Exchange.

GARDENER and florist, 32, single, 18 years' experience in first-class private and commercial places, understanding roses, carnations, violets, wants situation on private or commercial place; first-class references. A. Schultz, care Porr, 610 Mott Ave., New York City.

SALESMAN POSITION WANTED, WITH a wholesale florist in New York; can keep books and not afraid of work; good reference as to character. Address Y. S., Florists' Exchange.

HELP WANTED.

WANTED—Young man with experience as decorator and designer; must be reliable and of good address. Chas. A. Samuelson, 2129 Michigan Ave., Chicago, Ill.

WANTED for foreman, a man who understands growing roses, carnations and violets, and who can also take charge of several men. Salter Bros., Rochester, N. Y.

WANTED—An assistant; roses, carnations, violets, etc; married man; wages, free house and $8.00 per week; when applying give references. John Reck, Bridgeport, Conn.

WANTED—Competent and experienced decorator, also maker-up. Address, with references, salary and full particulars, Z. D. Blackistone, 14th and H Sts., N. W., Washington, D. C.

WANTED—Young men, experienced in budding and grafting roses and in making soft wood cuttings of shrubbery; steady employment, good wages; must be strictly temperate. Apply to The Elizabeth Nursery Co., or to George Reeg, Supt., Elizabeth, N. J.

FOREMAN wanted for range of 175,000 square feet of glass; must be a man of unquestioned ability and character, and an up-to-date grower, accustomed to handling men, where roses, carnations, palms, ferns, 'mums, bulbous and bedding stock are grown; permanent position for right party. J. A. Wilcox, Council Bluffs, Iowa.

WANTED AT ONCE—A YOUNG MAN between 25 and 35 years old, as first man, to grow roses, carnations, and all other plants grown on commercial retail place; must come recommended; wages $10.00 per week. John Ralph, Saratoga, N. Y.

WANTED—A FIREMAN WHO HAS had experience with hot water boilers. Must be sober and industrious and have good references. A steady job for the right man. Apply to foreman on place of E. C. Aamus, West Hoboken, N. J.

PYRAMIDAL ARBOR VITÆ WANTED.

2000, 3 ft. to 3 ft. 6 in. in height; must have been root-pruned and in good condition to transplant. Advise where stock can be inspected, also price, etc.

ALEX. McCONNELL,
45th St. and 5th Ave., New York.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.

MISCELLANEOUS WANTS.

WANTED—To rent, a place of about 5000 feet of glass, along Hudson River, near a city preferred. Address with full description and terms, 7 Yost St., Johnstown, N. Y.

EMPTY GREENHOUSES WANTED TO rent at once, in good order; rental moderate. Verner de Guise, Ramsey, N. J.

TO WORK ON SHARES—FROM 15,000 to 20,000 feet glass, by a good grower of carnations. Must have stock for the same; houses must be in good order and not over 50 miles from New York City. Address Y. T., care Florists' Exchange.

CARNATION PLANTS WANTED—35,000 good, field-grown Carnations; state varieties and lowest prices for cash. Ohio Cut Flower Co., 340 Walnut St., Cincinnati, Ohio.

BUSINESS OPPORTUNITIES.

FOR SALE—Cheap, 2 hothouses, full of plants, good home sale. T. Lanoir, 69 Spring St., West Hoboken, N. J.

STORE to let, West side, 2783 Broadway, between 107th and 108th Sts. Opportunity to establish good business in high-class residential and apartment district. Inducements to responsible party. Worth investigation. Apply on premises. Ottinger.

TO RENT—At Hollis, L. I., greenhouses and about eight acres of land, orchard and garden, together with four rooms in house wing, stable and carriage house; glass houses, 100x20, 100x20 and 75x15, also poultry house. Address "Owner," 124 E. 27th st., N. Y.

MISCELLANEOUS.

FOR SALE or exchange, flue boiler; will exchange for miscellaneous plants for stock. What have you to offer? J. W. Morris, Utica, N. Y.

FOR SALE—A Rider engine, 6 inch piston, only a short time in use, warranted perfect, half price; price $150. Address Louis Conrad, West Orange, N. J.

HITCHINGS' saddle boiler No. 5 for sale, price $40.00; also 2000 feet 4 in. cast iron pipe, 6c. per foot; all in first-class order; prices f. o. b. Albany. J. G. Pfordt & Sons, 899 Broadway, Albany, N. Y.

FOR SALE, Some extra good second-hand 3-inch pipe, at 8c. per foot; also some 4-inch; secure it while it lasts. W. H. Salter, Rochester, N. Y.

FOR SALE—One horizontal tubular boiler, 18x5 ft., 70 3-in. tubes, all right for heating purposes. Carried 80 lbs. steam when shut down. The H. B. Porter & Son Co., Norwich, Conn.

FOR SALE—One 16 horse upright boiler, one 60 horse locomotive boiler, one Dean steam pump, cheap; some 10 or 12 boxes of small glass, 6x6, do for hot bed sash, cheap; several hundred feet of pipe, good, 1¼ in. in size, will sell all cheap as I wish to clear all out. Also a large lot of nice freesias, well advanced in flats. P. O. Box 95, Newtown, Bucks County, Pa.

FOR SALE—CHEAP, $70.00, SECOND-hand Hitchings Boiler No. 19. Hodle & Williams, 295 Main St., Orange, N. J.

CHANGES IN BUSINESS.

OTTUMWA, IA.—C. Kranz has purchased the greenhouses and floral business of F. M. Teeter, including the store at 107 North Market street.

JAMAICA PLAIN, MASS.—David Lumsden, formerly with Galvin, the florist of Boston, has leased the McDermott greenhouses on Perkins street.

MARIETTA, O.—C. H. Smith & Co. have purchased the greenhouse property of the late John Fisher in Williamstown. The company is composed of Marietta people and they are making arrangements to add to the stock. It will be run in connection with the Smith greenhouse.

NATICK, MASS.—The Waban Rose Conservatories have been incorporated under the laws of the State of Massachusetts, with a capital stock of $250,000. E. M. Wood is president. The Natick Review says: "It is the purpose of the new management to improve and enlarge the present plant. At the request of the bondholders, who comprise some gentlemen of wealth in Boston, Mr. F. O. Baston will act as treasurer and will have full management of the finances of the corporation. Moorfield Storey, of Boston, is the attorney of the corporation, and the Boston Safe Deposit and Trust Co. act as trustees."

Firms Who Are Building.

WOODSVILLE, N. H.—Fred Randall is building a greenhouse.

STONEHAM, MASS.—A. S. Parker is building a greenhouse for bulbs.

JEWETT CITY, CONN.—A. A. Young, Jr., has built a large addition to his greenhouse.

TROY, N. Y.—Wade Bros., Beman Park, have just completed the erection of a new greenhouse 125 x 20 feet.

SONNENBERG, N. Y.—The erection of a new greenhouse, 20 x 60 feet, was commenced by Saunders & Mead last week.

MANCHESTER, MASS.—W. F. Spry is erecting a storage house 16 x 60, and has just completed a greenhouse 28 x 70 feet.

BROOKLINE, MASS.—Messrs. James F. and David J. Quinn have taken a seven-years' lease of premises on Harvard street, and have begun the erection of a greenhouse and salesroom for their own occupancy.

BAY CITY, MICH.—John Irvine & Sons have secured a magnificent location for their new greenhouse plant, and will build a range of ten modern houses the coming season. The M. C. R. R. Belt Line runs through the property, thus affording excellent shipping facilities for coal, etc.

Personal.

MERIDEN, CONN.—A. F. Crawford, the florist, suffered two severe hemorrhages of the stomach a few days ago, but is able to attend to business. He feels much better now and no serious results are anticipated.



Chicago.—At the close of the club meeting on September 21, two games were played and the under-mentioned scores made.

At a meeting of the regular bowling club, held on the 20th, the first practice game was also played. At that meeting the cup, won at the New York Convention, was ordered to be sent to a jeweller to be suitably engraved, with the name of each of the players who won the cup. By resolution of the club, it was also ordered that a challenge be sent to the Buffalo, St. Louis and Milwaukee teams, to play a match game, at a date agreed on, but preferably at the time of the flower show in this city in November.

	1	2
Degnan	161	154
Grant	169	158
Kreitling	148	136
Toplady	146	96
Hauswirth	165	151
McAdams	135	126
Hartshorne	122	149
Reardon	96	127

Ess.

St. Louis.—The Bowling Club opened up a week ago for its Fall and Winter games. The weather is yet too hot to draw out a good attendance. Below are results of Monday night's rolling:

	1	2	2	4	5	6
J. J. Beneke	188	216	125	111	149	193
C. A. Knehn	153	136	120	138	120	121
W. F. Adels	125	140	112	144	123	..
John Young	104	135	159	119	..	..

Toronto.

Dunlop Cycle Races.

The second annual bicycle races of the employees of J. H. Dunlop, florist, were held on the Dufferin race track on Saturday, September 8, and were attended with great success. The following is a list of the prizes and winners:

Three Mile Scratch Race.—Prizes given by J. H. Dunlop—J. Mortimer first, pair of sterling silver mounted suspenders; A. Thornton second, sterling silver match box.

Ten Mile Handicap Race.—M. Atkinson, 4½ min., first prize, marble clock, given by E. G. Pool; J. Milne, scratch, first prize, ansonia clock, given by J. H. Dunlop; F. Saunders, 2 min., second prize, handsome album; G. Hager, 1 min., third prize, large lamp. J. Milne, in spite of a bad fall in his first mile, captured the time prize in 29 min. 42 sec.

At the conclusion of the races, the employees and their friends adjourned to the home of J. Milligan, president of the meeting, and partook of refreshments, after which music, songs and recitations became the order of the evening, one and all spending a most enjoyable time. A hearty vote of thanks was tendered to their employer and friends, who so kindly donated such handsome prizes, which were distributed to the successful winners by Mrs. Dunlop.

A. F.

The Market.

Business is slowly improving. The weather is very fine and inside stock is generally looking well. The quality of the roses coming in has considerably improved. Carnations are rather plentiful, but somewhat short stemmed; the flowers are of good substance and last well. Asters are still very abundant. Dunlop is cutting a considerable quantity of Liberty roses; the flowers are rather short stemmed, but they are good and sell well. If these roses keep on improving as they have done the past three weeks, Liberty will prove to be what has been claimed for it, and will be a great money-maker.

Outdoor flowers are still very plentiful. We have as yet had no frosts to cut off tender plants, and the flower beds in the city are bright with foliage and bloom.

Association Meeting.

The September meeting of the Gardeners and Florists' Association was a social one. A goodly number of members turned out for an evening's enjoyment. President Wm. Jay occupied the chair.

Seedsmen Report Good Business.

All our seedsmen report good business this Fall. A large quantity of Japan

NO POLITICS, McKINLEY OR 16 TO 1

IN THIS AD., BUT MERELY AN ANNOUNCEMENT TO

CASH BUYERS

Remember that he who buys for Cash has a double advantage over his slow-pay-on-credit buying neighbor, as he can buy cheaper and sell cheaper, and thus control the best custom in his locality. His goods will move quick, and his stock always be fresh.

GREAT BARGAINS

This week, being in possession of Fresh consignments received and arriving, I am enabled as per instructions from the growers to offer at following prices, subject to being unsold.

Goods subject to inspection at my store or samples mailed on application.

10,000 **Lilium Longiflorum,** 5-7, **Bermuda Grown.** Per Case of 400, $12.00; per 1000, $25.00.

1000 **Lilium Longiflorum,** 7-9, **Bermuda Grown.** Per Case of 200, $14.00; per 1000, $65.00.

10,000 **Lilium Harrisii,** 5-7. Per Case of 400, $13; per 1000, $30.

1000 **Lilium Harrisii,** 7-9. Per Case of 200, $14; per 1000, $65.

4000 **Lilium Harrisii,** 7-9, double crown. Per case of 200, $13.00; per 1000, $60.00.

10,000 **Lilium Longiflorum Japan,** 5-7. Per Case of 500 } Write for Prices Stating Quantity Wanted.

15,000 **Lilium Longiflorum Japan,** 7-9. Per Case of 300 }

From France I Offer Following Consignment Daily Expected:

80,000 **Narcissus Grandiflora,** Extra size.
10,000 **Narcissus Grandiflora,** Giant size.
50,000 **White Roman Hyacinths,** 12-15.
25,000 **White Roman Hyacinths,** 13-15.

{ Write for Prices Stating Quantity Wanted. }

6000 **Red Skinned Italian Hyacinths,** 13 and over, large fine bulbs.
10,000 **French Grown Freesias.**
10,000 **French Grown Narcissus Von Sion.**

LAST OFFER FOR FALL DELIVERY OF **10,000 American Roses on Own Roots**

Northern Field-Grown Strong Roots. For varieties see advertisement in last Florists' Exchange.

FOR FALL AND SPRING DELIVERY. { **80,000 Hardy Low-Budded Holland Roses,** in best trade sorts.
3000 **STRONG ROOTED CRIMSON RAMBLERS.**
6000 **STANDARD or TREE ROSES, AZALEAS, RHODODENDRONS, etc.**

Florists or Nurserymen who have not yet placed their orders, please take notice.

C. H. JOOSTEN, Importer, 85 Dey Street, New York.

longiflorum lilies have arrived here; they are good stock and are selling well. The Dutch bulbs arriving are much better generally than last year; and the quantities received make one wonder what will be done with them all. T. M.

New York.

The Market.

During the past week warm and sultry weather has prevailed in this city, and this has caused a decided increase in the quantity of flowers in the market. Retail trade is very dull, much more so than it was in the month of July, consequently, with the increase in the supply of flowers, the wholesale district has, this week, presented anything but a lively appearance.

Bride and Bridesmaid roses are coming in very heavily, and no attempt at holding them up to the prices that obtained one week ago is made. Where they can be disposed of in straight slips, they are let go at a price which is no higher than was received for the No. 2 grade seven or eight days ago.

The top grades of American Beauty, Liberty and Meteor may be said to about hold their own figures, but this is only in the long-stemmed stock, however, and all other grades are much in excess of the demand, prices being cut accordingly. Good stock of President Carnot, Golden Gate and Morgan is arriving regularly, but they meet with little better demand than other varieties.

Carnations, improving in quality, have decreased in value, and 50c. is a common price for the ordinary kinds. Cattleyas are in excess of the demand, and are selling at 25c. each. Lily of the valley has experienced no change in values, but is not moving so freely. Chrysanthemums of the Gastellier, Bergmann and Montmort varieties are coming in in limited numbers. Yellow varieties are being eagerly asked about; there seems to be a heavy demand in sight for them for the coming week.

Gladiolus, tuberoses and asters still form the bulk of the flowers used for window display, their cheapness making them the most available for this purpose.

Smilax, adiantum and asparagus move only slowly, though the price of them remains stationary.

Auction Sales.

Wm. Elliott & Sons and Cleary & Co. held auction sales in their respective rooms on Tuesday and Friday. Boston ferns, palms, field-grown carnations, etc., were offered in extensive quantities.

Jottings.

Ed. C. Horan is receiving fancy blooms of Marquis de Montmort chrysanthemum, also extra fine quality Carnot roses.

The next meeting of the New York Florists' Bowling Club will be held at Traendly & Schenck's store at 3 p. m., Monday, October 8.

The youngest son of O. A. C. Oehmler, manager of Aldred & Co.'s retail store, Fifth avenue, and whose residence is at Mount Vernon, N. Y., accidentally drank some carbolic acid on Friday, the 21st, from the effects of which he died, Sunday last.

W. W. Burnham, manager of Bloomingdale Bros.' floral department, is mourning the loss of his little daughter, who died Thursday morning, aged one year.

Jacob Gerlinger, a florist of East Williamsburg, L. I., left home on the 8th inst. and has not since been seen by his relatives. His aged mother is in feeble health, and is grieving sorely over her son's disappearance, her friends fearing that if he does not return soon the mother will die broken-hearted.

Visitors this week were Dan'l D. L. Farson, Philadelphia, Pa.; John N. Champion, New Haven, Conn.; Chas H. Ricksecker, Linville, N. C.; Otto Katzenstein, Pinehurst, N. C.

F. R. Pierson, a florist, has, says the *New York Herald*, obtained a temporary injunction to restrain James Speyer, banker and philanthropist, who lives on the heights overlooking the Pierson property at Scarborough, N. Y., from stopping the flow of the stream which Mr. Pierson depends on for water for his greenhouses. It is said that Mr. Speyer had tampered with the stream's natural flow, which, it is asserted, is small enough at the best and gives scarcely any water in dry weather, such as is now prevailing.

The Lord & Burnham Co. have been awarded by the Detroit Park and Boulevard Commission the contract to build three greenhouses for the park of that city. This is part of a contemplated range of ten houses.

Philadelphia.

Trade News.

Business conditions are improving, but very slowly. The retail stores do not show much activity. Flowers are becoming more plentiful, there still being quite a lot of outdoor stock coming in. Pink roses have been selling very well; white are in over-supply and much stock is left over. Beauty is in fair demand, but is not going as well as most stores would like. Funeral work has been the chief outlet the past week; transient trade and regular orders are behind the average.

Around Town.

H. T. Dumont has taken Clarence Dunn into partnership in the wholesale cut flower business. Already they are branching out and expect to increase their business the coming season. Arrangements have been perfected to handle quantities of American Beauty roses and choice valley.

Chas. B. Stahl is also preparing for increased business, having enlarged one refrigerator and added a new one.

John G. Eisele is well prepared for a good season in the mail order trade, having a large stock of small plants. He finds an increasing demand for some of the old-time favorites, and is growing a batch of browallias, also more ferns than usual. DAVID RUST.

ASSOCIATION OF AMERICAN CEMETERY SUPERINTENDENTS.—The annual convention of this association occurred at Cleveland, O., September 11, 12 and 13. Election of officers resulted as follows: President, George M. Palmer, West Laurel Hill Cemetery, Philadelphia; vice-president, Frank Eurich, Detroit; secretary and treasurer, H. Wilson Ross, Newton Center, Mass. Pittsburg was selected for the next place of meeting.

BROWALLIA GIGANTEA (True.)
2¼ in. pots, $3.00 per 100. Rooted Cuttings, $1.50 per 100,
HENRY EICHHOLZ, Florist, **Waynesboro, Pa.**

FIELD-GROWN CARNATIONS
6000 SCOTT, 4000 McGOWAN
All healthy, $3.00 per 100; $25.00 per 1000.
CASH WITH ORDER.
ALEX. SCHULTZ, Phillipsburg, N. J.

DAHLIAS
Selected Fancy Varieties for CUT and SHOW FLOWERS.

CLIFFORD W. BRUTON	RUBY QUEEN
WM. AGNEW	BLACK PRINCE
A. D. LIVONI	HENRY PATRICK
DUCHESS OF CAMBRIDGE	ARABELLA
FRANK SMITH	PENELOPE
SOUV. DE MME. MOREAU	CRIMSON BEAUTY

Large Clumps, from the ground, at $3.00 per doz.
FRED'K. C. SCHWEINFURTH, Bronxville, N.Y.

ORDER NOW! MONTHLY ROSES
Such as HERMOSA, AGRIPPINA, CRAMOISE SUPERIOR, CLOTHILDE SOUPERT, K. A. VICTORIA. Field-grown plants, 1st size, $12.00 per 100; 2d size, $10.00 per 100.
BOBBINK & ATKINS, Rutherford, N. J.
Mention the Florists' Exchange when writing.

JOSEPH HEACOCK

WYNCOTE, PA.

OFFERS THE FOLLOWING HOME-GROWN

PALMS Free from Insects and Disease of any kind. They cannot fail to give satisfaction. Should be seen to be appreciated. A Trial Order is Solicited.

ARECA LUTESCENS.

3 plants, 6 inch pot,	24 inch	$12.00 per dozen;	$100.00 per 100
3 " 8 "	30 "	30.00 "	
3 " 8 "	36 "	36.00 "	

KENTIA BELMOREANA.

4 inch pot,	5 to 6 leaves,	15 inch high	$4.50 per dozen;	$35.00 per 100
6 " "	6 "	24 "	15.00 "	125.00 "
6 " "	6 to 7 "	26 "	18.00 "	150.00 "
8 " "	6 to 7 "	30 to 32 in. high	$3.00 each.	
8 " "	7 to 8 "	36 inch	4.00 "	

KENTIA FORSTERIANA.

4 inch pot,	4 to 5 leaves,	15 inch high	$4.50 per dozen;	$35.00 per 100
8 " "	6 "	36 to 40 in. high	$3.00 each;	$36.00 per dozen.
8 " "	6 "	48 to 50 in. "	4.00 "	48.00 "

ALL MEASUREMENTS ARE FROM TOP OF POT.

Mention the Florists' Exchange when writing

50,000 BOSTON FERNS

I Make a Specialty of

N. EXALTATA BOSTONIENSIS

Small plants, $4.00 per 100 or $35.00 per 1000; large plants, $6.00 to $50.00 per 100; taken from the bench.

FERNS In 5 in. pots, $3.00 per doz; 6 in. pots, $6.00 per doz.; 7 in. pots, $9.00 per doz.; 8 in. pots, $1.00 each.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6 in. pots, from $1.00 to $1.50 each; 7 in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 in. pots, $3.00 and $4.00 per doz.

Asparagus Plumosus, 2½ in. pots, $5.00 to $6.00 per 100; 3½ in. pots, $10.00 per 100.

Asparagus Sprengeri, 2½ in. pots, $5.00 to $6.00 per 100.

Araucaria Excelsa, 14 to 16 in. high, 4 to 5 tiers, 6 in. pots, $1.00 and $1.25 each; 20 to 24 in. high, 5 to 6 tiers, 6 in. pots, $1.50 each; larger size, $2.00 and $2.50 each.

Rubber Plants, 20 to 32 in. high, $5.00 to $9.00 per doz.

Chinese Primroses, 3½ inch pots, $6.00 per 100.

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. **Connected with Telephone.**

Mention the Florists' Exchange when writing.

HARDY FERNS

FOR CULTIVATION.

40 varieties. Try them in your planting. They will thrive and increase in size and beauty where other plants fail. Catalogue of these and other herbaceous perennials.

EDW. GILLETT, Southwick, Mass.

A Few Good Things You Want

KENTIA BELMOREANA and **FORSTERIANA,** 2½ in., 10c.; 3 in., 18c.; 4 in., 35c.; 5 in., 50c. each.

ARECA LUTESCENS, 3 in., 3 plants to pot, 18c.; 4 in., 25c. each. All cool grown, nice clean stock, and cannot be duplicated anywhere for the money.

ROSE BRIDESMAID, 3 in., $5.00 per 100.

SWORD FERN, Nephrolepis Cordata Compacta, 2½ in., $3.00 per 100.

SMILAX, 2 in., $2.00 per 100.

REX BEGONIA, finest varieties, 2½ in., $4.00; 3 in., $6.00 per 100.

GERANIUMS, double and single, Grant, Mme. Bruant, Mrs E. G. Hill, Poitevine, Bonnat and S. A. Nutt. 3 in., $5.00 per 100.

CAMPBELL VIOLET and **VINCA VAR.,** 2½ in., $3.00 per 100.

PRIMULA CHINENSIS, 2 inch, $3.00; 3 inch, $4.00 per 100.

CINERARIA, 2 inch, $2.00; 3 inch, $4.00 per 100.

CYCLAMEN GIGANTEUM, 2½ inch, $4.00; 3 inch, $8.00 per 100.

ASPARAGUS Sprengeri and **Plumosus,** 2 in., $5.00; 3 in., $8.00 per 100. Cash with order.

Will exchange any of above for good field-grown plants of Flora Hill Carnation.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

Asparagus Plumosus Nanus,

EXTRA STRONG, from 3 in. pots; about ready for a 4-in. shift.

$1.00 per doz.; $8.00 per 100; $70.00 per 1000.

Orders amounting to $5.00 and over, f. o. b. New York City; these, from unknown correspondents, will be sent C. O. D.

SEAWANHAKA GREENHOUSES, W. L. SWAN, Proprietor, Lock Box 227, OYSTER BAY, NASSAU CO., N. Y.

Mention the Florists' Exchange when writing.

40,000 Kentias, Belmoreana and Forsteriana

Clean well grown stock in best market sizes—$35, $50, $75 and $100 per 100. See our wholesale list for sizes.

AZALEAS, Bushy Crowns well set with Buds.

10 to 12 inches in diameter.....$35 per 100 14 to 16 inches in diameter.....$50 per 100
12 to 14 inches in diameter..... 45 per 100 16 to 18 inches in diameter..... 12 per doz

ASPARAGUS PLUMOSUS NANUS.

Strong 2½ in. pots ready for shifting into 3 in...$5 per 100 Strong 3 in. pots....$8 per 100
Asparagus Sprengerii—2½ in..$5 per 100 *Asparagus Sprengerii*—3 in..$7 per 100

BOSTON FERNS.

Strong 2½ in. pot plants.....$10 per 1000 Strong 4 in. pot plants... .....$15 per 100
Strong 5 in. pot plants.....$4 per dozen

ROSES.

Strong two-year field grown. Excellent stock for forcing for Easter and Spring sales.
Crimson Ramblers—Extra strong, with canes 3 to 5 feet long.....$12 per 100 $100 per 1000.
Hybrid Perpetual—Large assortment of best forcing varieties.....$10 per 100 $90 per 1000.

Full assortment of French and Holland bulbs, Hardy Herbaceous Plants, Shrubs and Ornamental Trees.

THE STORRS & HARRISON CO., Painesville, Ohio.

Mention the Florists' Exchange when writing.

PALMS

ETC.

Hardy, Stocky and Perfect in Every Respect. The Best at Fair Prices.

Areca Lutescens Three plants together, 4 inch at 25c.; 6 inch at 50c., 75c. and $1.00; 8 inch at $1.50; 10 inch at $4.00 and $5.00; 14 inch and 16 inch, fine bushy specimens, at $15.00 to $35.00 each.

Latania Borbonica Strong and stocky, 4 inch at 25c.; 6 inch at 50c. and 75c.; 8 inch at $1.50.

Kentia Belmoreana Strong plants, 3 inch at 25c.; 4 inch at 40c. and 50c.; 5 inch at 75c.; 6 inch at $1.00, $1.25, $1.50; 8 inch at $2.00.

Kentia Forsteriana 3 inch at 25c.; 4 inch at 40c. and 50c.; 8 inch at $2.50; 8 inch bushy, at $3.50; 8 inch, with Latania Borbonica, at $3.50.

Livistona Rotundifolia 4 inch at 40c.; 5 inch at 75c

Pandanus Veitchii 6 inch at $1.00; 8 inch at $2.00.

Ficus Elastica, Araucaria Excelsa, Cocos Weddeliana, &c., &c.

Send for Price List. **CHAS. D. BALL, Holmesburg, Phila., Pa.**

Mention the Florists' Exchange when writing.

BOSTON FERNS—2½ inch, $5.00 per 100; 3 inch, $8.00 per 100.

CRIMSON RAMBLER ROSES We will have a fine lot of field plants for winter forcing. Orders taken now.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

CHEAP FOR CASH

BOSTON FERNS Large plants from bench, for 6, 7 and 8 inch pots, $15.00 per 100.

FICUS ELASTICA 8 inch pots, 24 in. and over in height, $6.50 per doz.; $50.00 per 100.

KENTIA BELMOREANA 5 in. pots, 5 to 7 leaves, 18 to 28 in. high, $10.00 per doz.; $75.00 per 100.

ARECA LUTESCENS 4 in. pots, 3 plants in a pot, 15 to 18 in. high, $25.00 per 100.

KENTIA FORSTERIANA 4 in. pots, 4 to 6 leaves, 15 to 24 in. high, $50.00 per 100.

ASPARAGUS SPRENGERI 5 inch pots, $18.00 per 100.

EMERSON C. McFADDEN, U. S. Exotic Nurseries, Telephone, 28A, Millburn, **Short Hills, N. J.**

Mention the Florists' Exchange when writing.

WALTER RETZER & CO.

WHOLESALE PALM GROWERS

2045-59 CLARENDON AVE. (N. Halsted St.) CHICAGO, ILL.

WRITE TO US FOR PRICES BEFORE BUYING ELSEWHERE.

Mention the Florists' Exchange when writing.

CHEAP—TO CLOSE OUT.



BOSTON FERNS The true variety, from 2½ inch pots, $3.00 per 100; $25.00 per 1000.

Asparagus Plumosus Nanus, from 2½ inch pots, $3.50 per 100; $30.00 per 1000.

Asparagus Sprengeri, from 2½ inch pots, $2.50 per 100 $20.00 per 1000.

Acalypha Sanderi, from 2½ inch pots, $4.00 per 100; $35.00 per 1000.

" " from 3 inch pots, strong plants, $6.00 per 100.

Crotons, twelve best bedding varieties, from 2½ inch pots, elegant plants, $3.00 per 100; $25.00 per 1000. These will be fine to shift from on next year's bedding.

Ponderosa Lemon, largest lemon grown; bears fruit weighing two pounds and over. Is bound to become a popular plant. Fine plants, from 2½ inch pots, $1.00 per doz., $7.00 per 100.

Calla Lilies, 1¼ to 1½ inch diameter, 75c. per doz.; $5.00 per 100.

" " 1½ to 1¾ inch diameter, $1.25 per dozen; $7.00 per 100.

The Two New Russelias, Lemoinei Multiflora and Lemoinei Elegantissima, 60c. per doz.; $4.00 per 100.

Bougainvillea Sanderiana, from 2½ inch pots, $6.00 per 100.

Weeping Lantanas, 2½ inch pots, $2.00 per 100; $18.00 per 1000.

Otaheite Orange, from 2½ inch pots, $3.00 per 100; $25.00 per 1000.

" " from 3 inch pots, $4.50 per 100; $40.00 per 1000.

Send us your list of roses for quotation. Our Fall Trade List now ready. Write for it.

THE GOOD & REESE CO., The Largest Rose Growers in the World. **Springfield, Ohio.**

Mention the Florists' Exchange when writing.

Cryptomeria Japonica (JAPAN CEDAR), strong plants, from 2 inch pots, at $5.00 per 100; 20 for $1.00.
Asparagus Sprengeri 2 inch, strong, $2.50 per 100. Satisfaction guaranteed.

E. I. RAWLINGS, Quakertown, Pa.

Mention the Florists' Exchange when writing.

CRYPTOMERIA JAPONICA

A plant that has all the grace and beauty of Araucaria Excelsa. Everybody wants it. Strong plants, 2½ inch pots, $5.00 per 100.

Grevillea Robusta. Very fine for center plants of fern dishes. 3½ inch pots, $5.00 per 100.

Cupressus Lawsoniana. Fine evergreens, 2½ inch pots, $4.00 per 100.

Shellroad Greenhouses, Grange P. O., Balto, Md.

Mention the Florists' Exchange when writing.

FERNS

In 12 of the best varieties, from 2¼ in. pots, **$3.00 per 100,** for immediate delivery.

CASH WITH ORDER, PLEASE.

E. LEULY, West Hoboken, N. J.

Mention the Florists' Exchange when writing.

FIELD-GROWN DRACÆNAS

2½ to 28 inches high, fine stroug plants, $1.25 per doz.; $10.00 per 100.

75 Clumps Bouvardia President Garfield, A. Neuner and Rosea Multiflora, at $1.25 per doz.; $10.00 per 100.

S. S. PECKHAM, New Bedford, Mass.

Mention the Florists' Exchange when writing.

ARAUCARIA EXCELSA 5½ inch pots, 3 tiers, from 9 to 11 inches high, 80 cts.; some for 70 cts., a little smaller.

Ficus Elastica (Rubbere), 6 inch pots, from 18 inches upwards, 50 cts. each; $5.00 per doz. (very fine).

Boston Ferns, 4 inch pots, $2.00 per doz.

Umbrella Plants, 3 inch pots, $5.00 per 100

Tuberous Rooted Begonia, 4 inch pots, mostly white, etc., 75 cts. per doz.

Heliotropes for winter-blooming, fine plants $5.00 per 100.

Godfrey Aschmann, 1012 Ontario St., Rising Sun, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.

1730 CAMBRIDGE ST.

Mention the Florists' Exchange when writing.

RUBBER PLANTS

6 in. pots, 2 to 3 ft.....Per doz., $5.00
6 in. puts, 14 to 20 ins...Per doz., $3.00; per 100 $20
4 in. puts, 9 to 12 ins.....Per doz., $1.75

DRACÆNA INDIVISA (Fine Plants), 4 in. pots, $2.50 per Doz.; $20.00 per 100. CASH.

RUXTON FLORAL AND NURSERY CO., RUXTON, MD.

Mention the Florists' Exchange when writing.

SPECIAL OFFER UNTIL OCT. 1st.

Phœnix Canariensis.

Elegant stock. Fully characteristic.
4½ inch pots.....$25.00 per 100
5½ " " ..... 35.00 "

This is surely a Bargain.

J. B. HEISS, The Exotic Nurseries, **Dayton, Ohio.**

Mention the Florists' Exchange when writing.

BOSTON FERNS—CHEAP!

For 5 inch, cut from bench, 20 cts.
For 6 inch, cut from bench, 30 cts.

ASPARAGUS SPRENGERI

3 inch, ready for 4 inch, at $5.00 per 100.

PHILLIPS & DODGE, Billerica, Mass.

Mention the Florists' Exchange when writing.

BOSTON FERN

A SPECIALTY.

At $3.00, $6.00 and $9.00 Per Dozen.

Fine Plants, Cut from Bench.

ASPARAGUS.

Plumosus Nanus, 3 in., $3.00 per 100.
Sprengeri, 3 inch, $6.00 per 100.

20,000 Small Palms, Kentias, Latanias, Cocos from 2½ inch to 5 inch. Prices on application.

L. H. FOSTER, 45 KING STREET, **Dorchester, Mass.**

Mention the Florists' Exchange when writing.

DREER'S Special Offer of FINE FERNS

CHOICE VARIETIES.

ADIANTUM CAUDATUM and ADIANTUM DOLABRIFORME.

Two pretty species especially adapted for baskets, 3 inch pots, $1.25 per doz.; $10.00 per 100.

ALSOPHILA AUSTRALIS.

We have again this season a fine supply of this useful, quick-growing Australian Tree Fern, and offer strong
2½ inch pots, $1 00 per doz.; $8 00 per 100.
3 " 1 25 " 10.00 "
4 " 2.00 " 15.00 "

ASPIDIUM TSUSSIMENSE.

Without question the most valuable of all Ferns yet introduced for Fern dishes. 2 inch pots, $4.00 per 100; $35 00 per 1000.
3 " 6.00 " 50.00 "

ADIANTUM LATHOMI.

A scarce variety and one of the most beautiful Adiantums for growing into specimens. 3 inch pots, $1.50 per doz.; $12.00 per 100.
4 " 2.50 " 20.00 "

ADIANTUM RHODOPHYLLUM.

A pretty, compact and very useful Adiantum.
2 inch pots, $0.75 per doz.; $5.00 per 100.
3 " 1 25 " 8.00 "
4 " 1.50 " 12.00 "

ADIANTUM FARLEYENSE.

We have a large stock of this grand variety in perfect condition.
3 inch pots, $2.00 per doz.; $15.00 per 100.
4 " 5.00 " 40.00 "
5 " 9.00 " 70.00 "
6 " 12.00 "

CIBOTIUM SCHIEDEI.

A very graceful and undoubtedly the finest of all Tree Ferns for use for decorative purposes. 5 inch pots, $0.75 each; $7.00 per doz.
6 " 1.25 " 12.00 "
7 " 1 50 " 15.00 "
8 " 2.50 " 30.00 "

CIBOTIUM PRINCEPS.

Similar to the above, but with broader, shorter foliage.
4 inch pots, $0 50 each; $5.00 per doz.
5 " .75 " 7.50 "
6 " 1.25 " 12.00 "

DORYOPTERIS NOBILIS.

It is only at rare intervals that we are able to offer this handsome Fern in quantity. We have a fine stock this season in 2¼ inch pots. 75 cts. per doz.; $6.00 per 100; $50 00 per 1000.

NEPHROLEPIS EXALTATA BOSTONIENSIS. (Boston Sword Fern.)

A grand stock in 2¼ inch pots, 75 cts. per doz; $5.00 per 100; $40.00 per 1000. Extra strong plants, in 7 inch pots, $9.00 per doz.

MICROLEPIA HIRTA CHRISTATA.

We consider this one of the finest Ferns in cultivation to grow into specimen plants, and when well grown it meets with as ready sale as the popular Boston Fern. Our exceptionally large stock this season enables us to offer it at the following low prices:
2¼ inch pots, $0.75 per doz.; $6.00 per 100.
3 " 1 25 " 10.00 "
4 " 2.50 " 20.00 "

GENERAL COLLECTION OF FINE FERNS.

	Inch pots.	Per 100.	Per 1000.
Adiantum Æmulum	2	$5 00	$50 00
Æmulum	3	8 00	
Aneitense	3	8 00	
Bausei	4	15 00	
Belium	2	5 00	
"	3	8 00	
Capillus-Veneris Mariesii	4	15 00	
Concinnum	2	4 00	
Cuneatum	2	3 50	30 00
"	3	6 00	50 00
" Variegatum	2	3 50	30 00
" "	4	15 00	
" Grandiceps	2	4 00	35 00
" "	3	6 00	50 00
Decorum	2	4 00	35 00
"	3	6 00	50 00
Formosum	2	6 00	50 00
"	3	8 00	
Gracillimum	2	4 00	35 00
"	3	6 00	50 00
"	4	15 00	
Legrandi	2	5 00	
"	3	8 00	
"	5	15 00	
Mundulum	2	5 00	
"	3	8 00	
Pubescens	2	3 50	30 00
"	3	6 00	50 00
Rhomboideum	3	10 00	
"	4	15 00	
Wiegandi	2	5 00	40 00
"	3	8 00	

	Inch pots.	Per 100.	Per 1000.
Adiantum Wiegandi	4	$12 00	
Aspleniun Obtusilobum	3	8 00	
Blechnum Occidentale	3	6 00	
Cyrtomium Falcatum	2¼	4 00	$35 00
Falcatum	3	6 00	50 00
Fortunei	2¼	4 00	35 00
"	3	6 00	50 00
Davallia Fijiensis Plumosa	3	15 00	
Stricta	2¼	4 00	35 00
"	3	6 00	50 00
"	4	15 00	
Dictyogramma Japonica	3	10 00	
Japonica Variegata	3	15 00	
Dicksonia Antarctica	2¼	6 00	
Didymochlæna Truncatula	3	6 00	
Lastrea Aristata Variegata	2¼	4 00	35 00
Chrysoloba	2¼	4 00	35 00
"	3	6 00	50 00
Opaca	2¼	4 00	35 00
"	3	6 00	60 00
Lomaria Ciliata	2¼	4 00	35 00
Ciliata	3	6 00	50 00
Gibba	2¼	4 00	35 00
"	3	6 00	50 00
Lygodium Scandens	2¼	6 00	
Scandens	3	6 00	
"	4	15 00	
Dichotomum	3	10 00	
Microlepia Hispida	3	6 00	
Nephrolepis Pectinata	5	15 00	
Nephrodium Hirtipes	2¼	4 00	35 00
Hirtipes	3	6 00	50 00
Niphobolus Lingua	4	15 00	

	Inch pots.	Per 100.	Per 1000.
Onychium Japonicum	2¼	$4 00	$35 00
Japonicum	3	6 00	50 00
Platyloma Falcata	2¼	5 00	40 00
Polypodium Aureum	2¼	4 00	35 00
Aureum	3	6 00	50 00
Polystichum Coriaceum	2¼	6 00	50 00
Coriaceum	3	8 00	
Setosum	2¼	5 00	40 00
"	3	6 00	50 00
Pteris Adiantoides	2¼	3 00	25 00
Adiantoides	3	6 00	50 00
Argyræa	3	6 00	50 00
Cretica Alba Lineata	2¼	3 50	30 00
" "	3	6 00	50 00
" Mayii	3	8 00	
" Magnifica	2¼	3 50	35 00
" "	3	6 00	50 00
Hastata	2¼	3 50	30 00
"	3	6 00	50 00
Leptophylla	2¼	3 50	30 00
"	3	6 00	
Ouvrardii	2¼	3 50	30 00
"	3	6 00	50 00
Serrulata	2¼	3 00	25 00
" Voluta	2¼	3 50	30 00
" "	3	6 00	50 00
Sieboldi	2¼	3 50	30 00
"	3	6 00	50 00
Palmata	3	6 00	50 00
Victoria	3	6 00	
Sitolobium cicutarium	2¼	6 00	
"	3	8 00	
Selaginella Emmeliana	2	3 50	30 00

MIXED FERNS

Our selection, in 2¼ inch pots, $3.00 per 100; $25.00 per 1000.
" in 3 " 6.00 " 50.00 "

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Our Mr. Eisele, who has just left Belgium, reports that the Azaleas grown for us are in an unusually healthy and fine condition this season. Our shipments are expected to arrive here the beginning of October. We handle only the leading sorts, which are best adapted to the American trade; all plants are carefully sorted over and repacked at our Nursery, thus enabling us to guarantee satisfaction. If you have not yet placed your order we can still book same for fine bushy crowns, well set with buds, as follows:—

10 to 12 inches in diameter	$4 50 per doz.;	$35.00 per 100.	
12 to 14 " "	6.00 "	45.00 "	
14 to 16 " "	7.50 "	55.00 "	
16 to 18 inches in diameter	$12.00 per doz.;	$90.00 per 100.	
18 to 20 " "	25.00 "	200.00 "	
20 to 24 " "	36.00 "	300.00 "	

Prices on Azaleas include duty, packing and delivery in good condition to any express, freight or steamship line in Philadelphia.

For a full line of DECORATIVE PLANTS and other SEASONABLE STOCK see our current QUARTERLY TRADE LIST, of which a copy will be mailed on application, if you have failed to receive one.

HENRY A. DREER, 714 Chestnut St., Phila., Pa.

Mention the Florists' Exchange when writing.

FINE PALMS.

Kentia Belmoreana and **Forsteriana**—
4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, from $2.50 upwards.
Phœnix reclinata, 4 in. pots, $20 per 100; 5 in. pots, $40 per 100; 6 in. pots, 35c. each; 7 in. pots, $1.25 each; specimen plants, $2.00 upwards.
Areca Lutescens, 3 in., $15 per 100; 4 in., $25 per 100.
Latania Borbonica, 4 in., $20 per 100.

JOHN BADER, Troy Hill, Allegheny, Pa.

L. D. TELEPHONE 872A.

Mention the Florists' Exchange when writing.

AZALEAS - - PALMS - - NEW PLANTS BAY TREES - **SANDER BRUGES, BELGIUM**

The largest and finest stock on the Continent.

A. DIMMOCK, our representative, is now in the U. S. and will be pleased to reply to any communications addressed to **60 Vesey Street, New York.** Lists on application.

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Adiantum Cuneatum

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3½ in. pots, large plants, $10 per 100; selected plants, 3½ in. pots, $12 per 100.

Asparagus Sprengeri

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3 in. pots, $5 per 100.

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Mention the Florists' Exchange when writing.

BOSTON FERNS

Now ready. $6.00 per 100.

H. L. CAMERON, No Cambridge, Mass.

Mention the Florists' Exchange when writing.

FERNS OUR SPECIALTY.

A grand stock of **MAIDEN HAIR FERNS,** in 4 inch, ready for 5 inch pots, per 100, $15.00; per 1000, $140 00.

Full-grown plants, in 2½ inch pots, ready for a shift, per 100, $4.00; per 1000, $35.00.

Fine lot of **ASSORTED FERNS,** for **Jardinieres.** All the best varieties, in 2½ inch pots, per 100, $4 00; per 1000, $35.00.

An Excellent Stock of

ADIANTUM FARLEYENSE.

Over 10,000 now ready for the market.
6 inch pots.....each, $1.50; per 1000, $140.00.
5 inch pots..... " 1 00; " " 95.00.
4 inch pots..... " .60; " " 55.00.
Money returned if not satisfactory. Cash or C. O. D.

ANDERSON & CHRISTENSEN, Short Hills, N. J.

Mention the Florists' Exchange when writing.

FOR SALE OR EXCHANGE Maiden Hair Fern. Fine, large plants 3, 4, 5, 6 inch pots, $6.00, $8.00, $12 00 and $25.00 per 100, or will exchange for Carnations, Boston Fern or Palms. Cash with order.

WAVERLY GREENHOUSES, Tuckahoe, New York.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00.
Payable in advance. The date on the address label indicates when subscription expires.

CHANGES OF ADDRESS.

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Copy must reach this office not later than Thursday in order to secure insertion in issue of the following Saturday.
Orders from unknown parties must be accompanied by cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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The Rev. G. H. Engleheart, the celebrated hybridist of narcissi, has been placed in the list of Victoria Medallists in Horticulture. It is said the place in the list left vacant by the death of John Laing has been offered to Rev. W. Wilks, secretary of the Royal Horticultural Society.

The next regular meeting of the Dutchess County Horticultural Society will be held at the rooms of the Young Men's Christian Association, corner of Main and Washington streets, Poughkeepsie, N. Y., on Wednesday, October 3, 1900, at 1.30 p.m. As this is the last meeting before the exhibition, a large attendance is requested.

Coal.

The strike among the anthracite coal miners is causing some uneasiness among Eastern greenhouse owners who have not yet got in their Winter supply. Although contracted for at a given price, some dealers maintain say that such price does not hold in times of a strike such as the present.

GALVESTON RELIEF FUND.

The publishers of the FLORISTS' EXCHANGE have, for the convenience of our readers, decided to receive subscriptions at this office for the Galveston relief fund, which will be at once acknowledged in these columns, and the amount contributed forwarded to the proper authorities as the donations of our trade on behalf of their suffering brethren in the storm-swept sections. Checks and money orders for the Galveston relief fund should be made out in favor of the A. T. DeLa Mare Printing and Publishing Co., Ltd., crossed "in aid of Galveston sufferers."

So far as the FLORISTS' EXCHANGE has been enabled to ascertain, the florists of Galveston have practically lost their all. These number some eighteen concerns, the members of three of which, we are informed, have been completely wiped out by death of the entire family.

All of the sufferers appear to have been in business in but a small way, thus making it all the harder for them to recuperate of their own efforts; hence assistance should go to them freely, and immediately.

Undoubtedly many of our readers had, previously to the opening of our columns to a relief fund, already sent in their contributions to the general fund, as had the publishers of this paper, but we would offer a suggestion to those florists' clubs and others who are working on lines parallel to the EXCHANGE, that, in order to effect the greatest good to the greatest number, all funds, plant and seed contributions be made through the one central agency at Galveston.

The sum total of the contributions herewith acknowledged to date has been forwarded to Mayor Jones of Galveston with the request that he personally, or through a committee appointed by him, attend to the even distribution of the fund (which, by the way, we trust to see duplicated tenfold), while every member of the trade in Galveston, known to the publishers of this paper, has been notified by letter, if in need of assistance, to apply to the Mayor or his committee.

Publishers Florists' Exchange:

Inclosed find $2 for Galveston Relief Fund. JOHN BIRNIE.
West Hoboken, N. J.

Inclosed please find check for $2 for Galveston Relief Fund. I lived in Galveston over two years. I couldn't speak the English language then, my health was bad, and the people there were very kind to me and helped me very much. I wish that I could send more. BEAULIEU.
Woodhaven, N. Y.

Inclosed please find check for $50. We will forward the box of clothing a little later on, as probably the people will need clothing about the 1st of November more than any other time, and, perhaps, by that time the arrangements for the distribution of such donations may be better perfected than at present.
C. W. WARD.
Queens, N. Y.

Contributions Received.

Peter Henderson & Co., New York City,	$100.00
C. W. Ward, Queens, N. Y.	50.00
John Birnie, West Hoboken, N. J.	2.00
Beaulieu, Woodhaven, N. Y.	2.00

The Galveston Disaster.

J. D. Pruessner, of Galveston, Texas, sends us a very interesting communication regarding the calamity that recently overtook the unfortunate city. The name of Joseph Rosencranz is added to the list of florists who perished, that gentleman's wife and child being also numbered among the dead. Mr. Pruessner continues:

"Those florists remaining have lost all they had; their greenhouses being wrecked, smashed and demolished; the plants lying under this débris in salt mud are mostly beyond redemption. Thanks to the great and sympathetic American people, no one has to go hungry; all have something to eat by this time as well as shelter. But what next? How shall we rebuild our homes? How shall the florists reconstruct their greenhouses and stock them? They need money first to rebuild the houses, then stock with which to fill them, and no doubt, the American florists, who are also American people, will do the right thing. Will the FLORISTS' EXCHANGE receive any money, or pledge for stock, that anyone of our brother florists may be willing to donate to repair the loss of the Galveston florists? The loss of their homes is not to be included here, for that would have to come from other funds. This is only for greenhouses, stores, plants, bulbs and florists' requisites. All the florists of Galveston will send in a correct estimate of their loss to THE FLORISTS' EXCHANGE, and all contributors will have the eternal gratitude of the Galveston florists."

[As will be observed in last week's issue, page 910, we have opened a Galveston relief fund, to which several substantial contributions have already been made. We shall be pleased to publish a list of the wants of the Galveston florists as suggested above, also the names of those in the trade contributing donations of stock, etc., in aid of the sufferers. —ED.]

Editor Florists' Exchange.

The only way to give you an account of the loss sustained by the trade here is to say that it is complete. Hothouses are smashed to atoms and the salt water, which was from ten to fifteen feet deep over our island, will leave few plants alive. We are in hopes of saving some of our palms, but, in any case, the market is killed for one year at least. All trees but the salt cedars that were not uprooted are dead. The oleanders used as hedges here are alive. The sago palm, sabals and pritchardias, as well as the Phœnix, canariensis and dactylifera, also the Latania borbonica and Cocos australis, which grow out-of-doors here, seem to have stood it pretty well and may pull through.

In hothouse plants the kentias and Asparagus Sprengeri are yet green. The arecas, dracænas, except Godseffiana, maidenhairs and ferns of all kinds, of which I made a specialty, are all killed. The only one showing any life is Adiantum princeps.

In the face of the terrible mortality caused by the storm we are too thankful to have come out with ourselves and family alive to mourn over the loss of property now. OTTO FEHRLIN.

A Compliment from Abroad.

THE FLORISTS' EXCHANGE, a well-known American trade paper, published a daily issue during four days of the Convention of American florists held in the Grand Central Palace, New York, August 21 to 24. The feat is worthy of American enterprise, and certifies to the energy and ability of those who conduct this florists' trade paper.—*The Gardening World.*

Commercial Home Grounds Competition.

Intending contestants are reminded that entries in Classes A and B in our Commercial Home Grounds Competition close October 31. The prizes offered are: In Class A, unimproved grounds, $10; Class B, improved grounds, $25. Full particulars, conditions of contest, etc., will be found on page 500, issue of May 12 last; copy of which may be had on application to this office.

The Photographic Contest.

Publishers Florists' Exchange.

Your favor of the 19th inst. came duly to hand, containing check for $5, for which please accept my very best thanks. I thank you also for your congratulations at my success. I certainly was greatly pleased to be the winner of the first prize for the August photographic competition. I appreciated very much the generous words of commendation upon my work, printed in the EXCHANGE at the time the prize was announced.

I trust that your efforts and labor in the work of the photographic competition will have brought about all the good that could be desired in this direction.
A. J. PENNOCK.

Horticulturists and Birds.

In our August Photographic Competition, A. J. Pennock, Lansdowne, Pa., the first prize winner, submitted in competition two pictures of birds, accompanied by the following pertinent comments, to which we beg to direct the attention of our readers. He says:

"You may be a little surprised at seeing two of my pictures put in a competition for horticultural subjects; namely, the birds. You may not, however, consider them so foreign to the subject after hearing a few words of explanation.

"There can be no doubt as to the propriety of the horticultural press dealing with the subject of birds. But whether a trade paper should take up the matter would, of course, be for it to decide. That all gardeners should be informed as to the necessity of bird protection and their usefulness to man in keeping in check injurious insects, there can be no doubt. Suffice it to say for the present, that without birds man could not live! They are Nature's means for keeping a proper balance in the insect world. Certainly no garden would be complete in its beauty without the birds (or the insects either, especially certain species). So I have sent the photos along with the others. Birds are much harder to photograph than plants. I have worked considerably in this line recently and strongly recommend the use of the camera instead of the gun to all florists interested in hunting."

Many of our readers would, no doubt, like to hear further from Mr. Pennock in an article on the subject of "Birds and Their Usefulness to the Florist and Horticulturist." Will the gentleman kindly oblige at his convenience.—ED.

Advantages of Plant Registration.

Our contemporary, The Horticultural Advertiser (England), commenting on the recent Convention of the S. A. F. O. H., characterizes some of the opening speeches as "poetical, if not florid, yet not without practical value."

Adverting to the registering of new plants by the society, the Advertiser asks for information as to the advantages of this plan which the journal in question evidently fails to grasp. The system of registration as adopted by the national society has several advantages. Firstly, it is a recorded indication of the horticultural progress making in America, so far as the obtaining of new plants of a commercial nature is concerned; being also valuable for reference as to the originator, date of origin, description, etc., of the subjects enumerated. Secondly, registration secures to the party registering the right of priority as to nomenclature, and this to members of the society, free of charge. Thirdly, the announcement of the registration by the secretary of the society, both in the class journals, and also in the published proceedings of the society forms an excellent advertisement for the originator,—in itself, not the least of the privileges resulting from the registration plan.

It is gratifying to note that originators of new plants in this country are becoming more fully alive to the benefits accruing from plant registration, as well as to the value of the system to the florists' trade generally, a fact which the annually swelling list of new plants registered demonstrates.

Scotch Florists and Gardeners in America.

In the *Scottish-American*, New York, of September 26, J. Arnot Penman, popularly known in the trade as "Jim the Penman," of Dictionary of Gardening fame, furnishes an article on the above subject, in which is given a list of Scotchmen, past and present, engaged in the florist and seed industries in America, together with a similar list of Scotch private gardeners and superintendents of parks. The list, though unavoidably incomplete, is a very extensive one, and includes the names of many of the best known men in the floricultural world in this country, a glance at which will demonstrate the important part played in the management and development of the industries in question by the men who hail from the "Land o' Cakes." The writer has also mentioned the birthplace of the majority of the parties named, as well as their present position and location. The article should prove of much interest especially to those whom it more particularly concerns.

Live Covers for Country Homes.

Among the Experiment Stations of the country that have rendered, and are still rendering, good service in many ways to the florist trade, we have had occasion more than once to mention the New Jersey Agricultural Experiment Station at New Brunswick, N. J.; and a recently issued bulletin, prepared by Dr. Byron D. Halsted, the able botanist of the Station, on the subject forming the caption of this article, demonstrates that the good work is there being pushed along lines that cannot but make for the amelioration of the masses, and the advancement of the floricultural interests of the country.

In the bulletin referred to (No. 144, June 30, 1900), Dr. Halsted, after pointing out the desirability of shade, and the satisfaction found, for a portion of the year, at least, in a sun-shelter of one sort or another, enumerates and fully describes a long list of the leading house vines; *i. e.*, vines for covering the walls of houses, his remarks being accompanied by beautiful half-tone illustrations showing the adaptability and ornate character of the plants named, for the purposes in view. The descriptions are written in a pleasing and entertaining manner, not being overburdened with too many technicalities, the use of which in writings for the perusal and instruction of the average layman are more apt to beget resentment than otherwise. Instructions for planting vines are also furnished, together with notes on some of the most common diseases attacking the plants. A chapter is devoted to the "General Characteristics of Climbing Vines," which we quote in its entirety for the benefit of our readers:

"House vines are not easily classified, but they may be grouped primarily (1) as for green covers and (2) for floral display. The former would include the ivies, the hedera leading, for, in our climate, it does not even bloom and its leaves are evergreen. The Japanese ivy is of the same close-clinging type (although its method of holding fast by tendril discs is far different from that of by true roots in the English ivy), but has deciduous foliage of a much more sprightly tone of green. As to the flowers, only the bees usually know of them, and on from the middle of July, the results of the blossoming are obtaining in the form of clusters of blue-black spherical grape-like berries that, hanging near the naked wall after the leaves have gone, give an earnest of the fruitfulness of the green cover in the Summer and early Autumn. All the colors that appear in the rose in its fleeting Summer petals are here conserved and flashed out for weeks in the autumnal foliage. In sheer splendor there is no climbing plant that equals the Japanese ivy when it assumes its October garb. As met with at its best it seems as if the Artist had dipped the giant brush in a harmonions mixture of crimson and gold, and touched the walls as an earnest of infinite purpose and perfection.

"The American ivy is likewise a vine grown for its rich festoons of tangled branch-tips and dark "fingered foliage," interspersing the varying tones of green between the earlier and later leaves, while the multitudes of brown flower-buds may redden the wall in July, and the liberal supply of wide-spreading berry-clusters in Autumn are but incidents in the annual life of the cherished vine.

"The pipewort is to be included in this class where the foliage is first and last the leading element and the strangely-constructed, even fantastic 'pipes' only heighten the interest in the dark-green foliage among which the blossoms hang inconspicuously as objects of floral wonderment.

"The hop, while it may be loaded with fruit of its own peculiar making as the season closes, flings out no banner of bright color to catch the eye of passing insect, and, therefore, in its dark-green dress should stand among those plant covers that gain their places for foliage chiefly. The matrimony vine brings us to a point in the list where it is not quite so easy to decide, for it hangs full of minute blossoms not seen by the unobserving, but fondly visited by the industrious bees, and in early Autumn all may notice the orange-yellow berries like so many minute tomatoes that would need much magnification to show the close resemblance. Besides it is one of the first of vines to sound the color note of Spring.

"If we admit the matrimony vine, then it is only a step to the trumpet creeper, with its flowers lasting only for a short time in midsummer, and serving to attract attention to the overflowing richness of the loose foliage as it falls as a spray from the eaves. It is the sway and movement of the free vine tips, the rich texture and deep color of the trumpet creeper as a climber that satisfies, and not the scattered glove-finger corollas that only accentuate the qualities of the verdure that strives to envelop them.

"The wistarias may become the bridge over which we pass from the foliage to the floral side of our groups of subjects. These lofty, aspiring climbers have a phase in their annual cycle when the blossoms are, above all else, the most conspicuous. In May and before, the compound leaves have scarcely thought of the growing season, the flower buds have opened, and out of them come the giant clusters like skillfully arranged pea blossoms in a leafless pendant of surprising length, and hung in such profusion that it would seem as if the gorgeous, exhausting work was overdone and further growth of the ambitious vine would be impossible. But, before this solicitude has taken root the leaves unfold, and shortly the large rope-like stems are covered with foliage half formed and of a light, warm and tender hue.

"Along with such strong bloomers as the wistaria, we must needs arrange the roses, although the sequence of foliage and floral advents is not the same. The colors in the rose are higher, as is red or crimson above the lilac of the wistaria, and, as if thinking it would be too strong a change from bare canes to the brilliancy of the 'Baltimore Belle' or 'Crimson Rambler' in full bloom, the rose first weaves a tapestry of fresh green upon the trellis, and then when all nature is in full leaf, it comes forth with its display of blooms as a welcome to the rare and perfect June. The individual flower is the acme of beauty in form, texture and color, while the background of delicate perfume only adds to that which already seemed perfection. No wonder that the lovers of the beautiful in nature have agreed so generally in crowning the rose as queen.

"The foliage of the rose is ordinarily sparse, and for purposes of piazza screens needs to be supplemented by that of some other climber in harmony with it. This cannot be that of the wistaria or trumpet creeper, or yet of the pipe-vine, for these are all of the coarse masculine form of plant covers; but instead something that is both delicate and substantial as the honeysuckle, with its fine, leafy stems, producing a well-disposed screen with flowers that are inconspicuous as compared with roses, and keep coming all the season through with a fragrance of peculiar sweetness at evening when the piazza is most apt to be the outside resting place for the family. The honeysuckles are more closely related to the foliage twiners than the clematises, for in the latter the leaves are light in tone of green, airy in form, and unless the slender stems are numerous, the shade is scant. Certain species of the clematis group are among the most conspicuous bloomers on the whole list of climbing plants, and one only needs to refer to the Jackman type in support of this. The purple and blue, and even the white blooms are truly surprising for their size, but less can be said of the fragrance. Along with the roses such climbers need to be placed at the head of the list of vines with conspicuous flowers, and without which they would lose a large part of their attractiveness and usefulness as ornamental live covers for our homes. The *Clematis paniculata* type, which includes our native Virgin's bower, has the more modest bloom, but weaves the small flowers into such a showy, fluffy blanket, that the whole mass becomes conspicuously beautiful. The plant is of the feminine type of climber, full of grace and quiet beauty. It is with this clematis that we have the ornamental nature of the fruit brought to the front. For weeks in Autumn its feathery plumes make a display of refined texture and tint that is one of the most attractive features of the vine. There is no other climber that can equal it, not even the 'wax-work,' with its clusters of orange-yellow fruits, the handsome berries of the matrimony vine or of the honeysuckle."

SYRACUSE, N. Y.—The annual State Fair brought out a larger number of exhibitors in the horticultural section than usual, which was very gratifying to the hustling superintendent, Robt. Bard, who figured that 7,800 bottles alone were provided for the use of amateurs, to stage perennials, apart from the tomato cans provided by themselves, and which I noticed contained many fine specimens of native ferns and the like. Unfortunately, not a single flower was labeled, but, as Bob is a veritable encyclopedia, he could furnish names in answer to the many inquiries made.

P. R. Quinlan Co. were large exhibitors, as usual, and carried off the bulk of the awards, although one design, staged by W. H. Workman, of Oswego, was allowed to be one of the features of the show. L. E. Marquisee was formerly an exhibitor, but, since he has made such a success with carnations, he has given up showing plants, so that practically there is no competition in any class, and the judges have an easy task.

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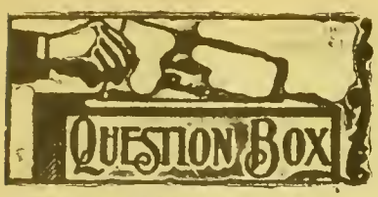


(191) **Cultivation of Edible Asparagus.**—Please give full cultural directions for asparagus (the edible); also state what kinds or kind are best for market purposes. Can asparagus be planted with safety in the Fall?—R. D.

—In making an asparagus bed, first see that the land is well drained. Dig or plow the soil to a depth of 18 inches, then, after it has lain a few weeks, spread a heavy coating of manure over the surface and dig it under. Fork the ground over again once or twice before Spring if possible. Spring is the best time to plant. Put the plants in rows 18 inches apart, and the same distance between the rows. Get two or three-year-old plants if possible. The variety we would recommend is Conover's Colossal. Give a good dressing of rotten manure in the Fall and, in the Spring, before growth commences, give a liberal sprinkling of common salt. A plantation can be kept in good condition a good many years by this simple method of cultivation.

(192) **Carnations Going to Sleep Prematurely.**—The reason why carnations go to sleep cannot be attributed to any one particular cause. Growing them in too high a temperature; using artificial manure indiscriminately, or putting the flowers into an ill-ventilated flower room after they are cut, will often cause them to go to sleep prematurely. To avoid "sleepy" conditions, don't try to force the plants at all; do not feed them until they require feeding, and have a clean, airy flower room, with a temperature of about 40 degrees, where the flowers can stand in water for at least 12 hours before they are to be used. Also, do not use ice cold water in which to place the flowers when freshly cut from the plants.

(193) **Bulbs and Carnations.**—Will you kindly let me know through your valuable paper how to treat Roman hyacinths and Paper White narcissus in order to have them in bloom by Christmas, to be grown in same house as carnations.

Also how much bone meal to put over carnation benches before planting, the ground already containing one-sixth manure.—SUNSCRIBER.

—Plant the bulbs in pots or flats and in a cool, dark place. They may be either buried in a trench outdoors, or kept in a cool, dark shed, or under the benches in the carnation house, if covered with cloth to exclude the light. Give one good watering after the bulbs are planted. Bring them in and place them on the benches about the 20th of November, and they will be in bloom for Christmas. A five-inch potful of bone meal to 100 square feet of bench surface will be sufficient.

(194) **Boarding Bay Trees.**—What charge should be made for keeping large bay trees, 10 feet in height and 6 feet across, in 30-inch tubs; also smaller bays, about three-quarters the size mentioned, for a month, and during the whole Winter.—R. & G.

—This problem has been a vexatious one for a long time, and probably always will be, as much too much depends upon who the customer is, and what his or her yearly purchases amount to. There is, however, only one way to ascertain how much should be charged for boarding plants, viz: to measure up the space they occupy and charge so much per square foot. Every owner of a greenhouse has an idea as to how much each foot of bench space should net him per year to be profitable; and, by measuring up the space used, and the length of time it is occupied, a just conclusion is easily arrived at. Say, for instance, forty feet of bench space is occupied for six months, and each foot is worth $1 per year, twenty dollars should be charged for the plants thus taken care of.

(195) **Asparagus Sprengeri Seed.**—Will you kindly tell me when to pick the Asparagus Sprengeri seed and how to treat it after being picked?—C. D. M.

—Pick the seed as soon as ripe and soak same four days before sowing.—R. ASMUS.

(196). **Heating.**—Please state if for hot water heating a two-foot drop of the return pipe to the bottom of the boiler will be enough, where there is an overhead flow and a gradual fall all the way back.

—If properly arranged a fairly good circulation can be secured, although it is always desirable to have the returns as high as the top of the heater; and the higher the returns, the better the circulation.—L. R. TAFT.

(197) **Heating.**—Would a return tubular boiler, 9 feet long, 3 feet 4 inches diameter with 36 3-inch tubes, be sufficient to heat by steam two houses 125 x 22 x 12 feet high, the sides 4 feet 6 inches double boarded, with paper between, also one house 125 x 14x8 feet high, connected, to a temperature of 58 degrees at nights in zero weather, or a few degrees below?—J.

—To maintain a temperature of 58 degrees in the two houses above described about 2,000 square feet of radiation will be desirable. The boiler would be rated at 25 horse power, and as each horse power is estimated as able to handle 100 square feet of radiation, it should suffice for the two houses. With a somewhat larger boiler it would be possible to leave the fires for a longer time at night.—L. R. T.

(198) **Metallic Paint on Greenhouse Pipes.**—We are using what is called Prince's Metallic Paint on our greenhouse hot-water heating pipes. I believe it to be detrimental to radiation, but my employer thinks it the best material for preserving the pipe, and says that if the heat does not radiate freely the return water is hotter than it would be and so is really not more costly in fuel, though it needs extra pipe surface. There is some truth in that, but in what proportion does it work? For, necessarily, the hotter return water will not fully compensate for the extra heat needed to supply the additional pipe. I have asked several prominent men in the business, and they claim the paint should not be used, both on account of its unhealthfulness for the plants and its stopping up the pores of the iron. Is the paint unhealthy for the plants used in that way, and to what extent does it prevent radiation? Also, what is the difference in preserving qualities of a metallic paint and lampblack and oil, or turpentine, as commonly used for pipes?

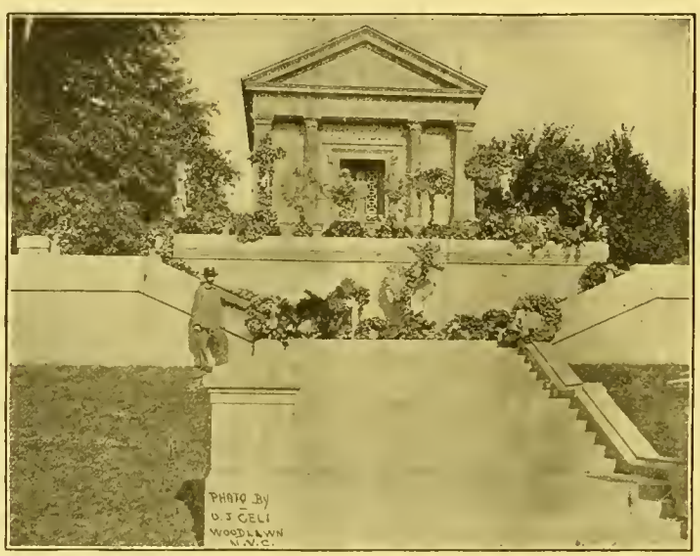
What action does sulphur have on wrought iron pipe?—does it eat into it and will lampblack prevent it?

—I am not familiar with "Prince's Metallic Paint," and cannot speak regarding its qualities. No paints that contain coal tar should be used in greenhouses, and especially on the heating pipes. Aside from any injurious effect they might have upon the health of the plants, all paints that give a smooth surface to heating pipes lessen the amount of radiation from them. Hence, as stated above, it becomes necessary to increase the radiating surface. The difference in the radiation from pipes painted with lampblack and oil, and the metallic paints, will vary with the smoothness of the surface from ten to twenty-five per cent. in favor of the former paint.

Asphaltum and the other metallic paints will prove more durable than oil and lampblack, hence piping upon which they have been used is less likely to become corroded than when painted with lampblack and oil, but when kept properly painted there is no difference, as either will be a perfect preservative.

The use of sulphur upon unpainted pipes often causes serious injury, and this will be but slightly lessened by lampblack paint. The injury, however, is mainly superficial, and is much greater to the appearance than to the durability of the pipe.—L. R. TAFT.

(199) **Wages of Head Gardeners Down East.**—G. R.—There is no union wage among private gardeners, consequently wages are not uniform, and we cannot give exact figures. We may say, however, that the gardeners of New York City Parks have established a scale of wages, and are paid as follows: Foremen, $100 per month; journeymen, $75 per month. These figures are a good clue to the wages of head gardeners in the East, though on very large places, well maintained, the head gardener realizes more according to the responsibility of the position.



Floral Pieces at Tomb of the late C. P. Huntington, Woodlawn Cemetery, N. Y.

New York and Chicago Growers.

It will be recollected that one of the notable features worthy of all praise, that the New York Florists' Club got up for the recent Convention there, was a handsome "Souvenir" book of 152 pages, containing varied information, which book was presented as a gift to every member of the S. A. F. O. H. In that book is given a list of 36 of the principal establishments around New York, which it was thought the delegates would likely desire to visit, together with the owners' names, date established, amount of glass owned and general information, such as how to get to the places mentioned, the kind of stock grown in them, etc. In the case of one or two of the known larger establishments mentioned, the glass area is not given; the same with the dates of founding of others.

Of the 36 named, 35 of the firms have all told an aggregate of 1,618,345 square feet of glass. In the class having 100,000 square feet and over, there are four; one of 225,000, one of 150,000, one of 125,000, and one of 100,000. There are two with between 80,000 and 100,000; two with between 60,000 and 70,000; four with between 40,000 and 60,000; ten with between 20,000 and 40,000; and ten with between 15,000 and 20,000. The others are below the 15,000 mark.

The four big places given around New York, each containing 100,000 feet of glass and over, or a total of 575,000 square feet among them, would hardly equal the area of Chicago's largest establishment.

Take all the 35 establishments named, with their grand total of 1,618,345 square feet of glass, and we can show six or eight with 100,000 or over, that will have more glass area than the whole 35 given.

Looking into what each establishment is specially noted for growing, there is a strange variation. While Chicago's monster places are almost exclusively rose and carnation factories, those of New York, on the contrary, show up in a very varied way, and, we must believe, call for a higher grade of gardening skill in the conduct of such establishments than do specialties like ours.

Another feature: it is well known that Chicago's monster plants and those who run them as florists are a creation of the last decade. In summarizing the 35 places given around New York, we find Peter Henderson & Co.'s establishment dates back as early as 1847; the Dailledouze Bros. and the Zellers to 1861 and 1862 respectively; the Kretschmar Bros., back to 1867. Nine of the others started between 1870 and 1880; 13 firms altogether commencing prior to 20 years ago. Of the remainder there appear to be eight dating back to between 1880 and 1890; and eight between 1890 and 1900.

There is much more food for thought in what the Souvenir Book contains, on the history of the florists' business of New York, both in the past and that of the present day. ESS.

Chicago.

American Institute (N. Y.) Show.

The Fall flower, fruit and vegetable show of the American Institute was held in the Berkeley Lyceum, New York City, on Tuesday, Wednesday and Thursday of this week. Julius Roehrs, of Carlton Hill, N. J., staged a nice assortment of decorative plants and orchids, among the latter being beautiful specimens of cattleyas, oncidiums and cypripediums. Among the plants there were many fine dracænas, Adiantum Farleyense, and palms in variety. Lager & Harrell, of Summit, N. J., staged a nice collection of orchids, including cattleyas, ærides, odontoglossums, vandas, miltonias, oncidiums, etc. A plant of Cattleya sanvlor, a cross between C. Mendelii and C. intermedia, was also shown in bloom. This is a very pretty variety of a delicate lilac color. Wm. Turner, gardener to Wm. Rockefeller, Esq., Tarrytown, N. Y., made a nice display of stove and greenhouse plants, as also did G. H. Hale, gardener to E. D. Adams, Esq., Seabright, N. J. James Bell, Fort Washington, N. Y., made a creditable exhibit of alocasias and fancy-leaved caladiums. N. Hallock, of Queen's, L. I., showed a collection of hardy phlox in many different colors. John Lewis Childs, of Floral Park, staged a collection of gladiolus, also a general collection of hardy flowers. The Manhattan State Hospital, Central Islip, L. I., had the largest exhibit on the floor. This consisted of greenhouse plants, together with a fall line of vegetables and fruits.

The exhibits of dahlias were the most attractive feature, and, considering the season, the displays made were very creditable. Those entering dahlias for competition were: H. F. Bart, Taunton, Mass.; Lothrop & Higgins, East Bridgewater, Mass.; H. Beaulieu, Woodhaven, L. I.; G. H. Hale, Seabright, N. J.; Rowehl & Granz, Hicksville, L. I.; W. Atlee Burpee & Co., Philadelphia, Pa.; James Dowlen, gardener to H. L. Terrel, Esq.

James Caunce showed vases of zinnias and African marigolds. Mrs. J. H. Troy had a vase of roses. A. McKenzie, Cedarhurst, L. I., staged two nice plants of Acalypha Sanderi. Spikes of a new hybrid gladiolus, a large-flowered scarlet with white across the lower petals, named Princeps, were shown from the trial grounds of the Rural New Yorker, Little Silver, N. J. W. C. Krick, Brooklyn, N. Y., had samples of his pot-holders and adjustable plant stands on view, and Robert Kift, of Philadelphia, exhibited his glass devices for holding cut flowers. A collection of hardy flowers was shown by J. W. Duncan, gardener to W. H. S. Woods, Esq., Greenwich, Conn.

Among the fruit exhibitors, Ellwanger & Barry, of Rochester, put up an extensive display. In vegetables the trial grounds of American Gardening, Greenville, N. J., furnished an exhibit of tomatoes. Dean Ferris, Peekskill, N. Y., exhibited a large variety of vegetables. This was made as a government display and represented vegetables that are being experimented with.

The grapes shown were of superior quality. Mrs. P. Barry of Rochester was a large exhibitor. Other competitors were Howard Nichols, Yonkers, N. Y.; Wm. Turner, Tarrytown, N. Y.; Jas. Caunce, Larchmont, N. Y.; C. C. Corly, Montclair, N. J.; and Wm. Scott, Tarrytown, N. Y.

The judges awarded the first premium for decorative plants to Julius Roehrs. The exhibits of G. H. Hale and Wm. Turner each received a special mention. For the collection of hardy phlox N. Hallock received a certificate of merit. For gladiolus, J. Lewis Childs took first prize in each of the three classes; and a certificate of merit was awarded the new variety Princeps, shown by the *Rural New-Yorker*. For collection of hardy flowers, J. W. Duncan received first and J. Lewis Childs second. In the dahlia classes, H. F. Burt took firsts for 50 single, display of singles, 10 show varieties, 25 fancy varieties, 25 show varieties, 50 show varieties, best display of cactus varieties, and vase of cactus blooms. Mr. Burt also took second prizes for collection of 25 kinds and bunch of Grand Duke Alexis. Rowehl & Granz were the first prize winners for Grand Duke Alexis, best bunch of White Swan and vase of A. D. Livoni, being second for 25 show varieties. Lothrop & Higgins were first for display of pompon varieties, second for collection of cactus varieties, also second in each of the classes calling for 10, 25 and 50 blooms, respectively.

In the amateur classes, G. H. Hale was first for cactus kinds; also for the best 50 variety, the best 10, the best 25, and the best 25 fancy. J. Dowden took first for 100 single blooms and second for collection of cactus varieties.

Besides the exhibits already mentioned, H. Clinkaberry, of Trenton, N. J., showed cut blooms of cattleyas, among which were specimens of his new C. gigas Roebfingiana; also a few white blooms, C. labiata alba, and C. labiata Cooksonii, white, with purple lip.

An Interesting Occasion.

1890-1900.

Mr. and Mrs. John Banks Deamud, of Chicago, on Saturday evening, September 22, 1900, celebrated the tenth anniversary of their wedding. A call was first made at their residence, 6435 Star avenue, but the real entertainment took place at the nearby Fraternity Hall. This was a good old-fashioned reunion of relatives and without the stiffness and formality of a simple reception.

At 11 o'clock, a march was made to the banquet hall, where long tables were arranged elegantly decorated with flowers, and loaded with good things for the inner man; and thus an hour was pleasantly spent. The scribe does not know, except by hearsay, when it all ended; but it was not before the wee sma' hours.

Mrs. Deamud has enough useful, ornamental and fantastical tinware to last a life time, or with which to establish a good-sized tin shop. Before marriage she was Ida, daughter of H. H. Wilder, for many years master mechanic of the south side parks of Chicago. "The Happy Family," as shown in the illustration, consists of Mr. and Mrs. Deamud and son, Wilder Samuel Deamud, a comely lad now in his ninth year.

ONE OF THE MEN WE MEET.

John Banks Deamud was born January 12, 1866, in Davisville, Ontario. His father moved to Saginaw, Mich., before the son was three years old, and still resides there, being interested in farming and the lumber business. It was here the school days and youth of Johnny were passed. On September 22, 1884, he came to Chicago to seek his fortune. A few months afterward he began work at Vaughan's Seed Store, as he himself tells it, as a "rousta-bout," another name for general utility man. Step by step he advanced to the position of general salesman, being highly esteemed by his employer, and, naturally, became well known to hosts of buyers in the florist and seed business.

While with Mr. Vaughan, he visited England and the Continent generally in the interests of his firm. Leaving this position he entered the wholesale florist's business in 1893, first under the name of J. B. Deamud & Co., really handling the cut of Bassett & Washburn's flowers. On September 5, 1896, he started in business for himself in the Atlas Block, under the firm name of The Illinois Cut Flower Co., now changed to J. B. Deamud, wholesale commission florist, with a fine salesroom at 51 Wabash avenue.

In a comparatively short time Mr. Deamud has worked up a commission trade of which he may well be proud.

He is a member of the S. A. F. O. H., the Chicago Florists' Club, is a Master Mason, and has travelled the rugged path to the envied position of a Shriner.

EDGAR SANDERS.

NOTES BY THE WAY.

KANSAS CITY, MO.—Through the courtesy of Samuel Murray, I was enabled to see this magnificent city of bluffs (not bluffers) under most favorable circumstances. The average traveler usually passes through with the impression of a dirty, congested place in his mind; but when viewed from a point of vantage, it is a glorious sight. In one direction the city proper, fringed with the handsome residences of its wealthy merchants, extends away as far as the eye can reach over a rolling country with boulevards which rival the famous Michigan boulevard of Chicago and Riverside drive of the metropolis, while in another direction stretches the fertile valley of the Missouri river. Small wonder that our fellow craftsmen are so proud of their city, and yet one sees but little matter in connection therewith in our trade papers. It must be that the boys are so modest that it requires another to sing their praises, as it were.

Standing on the spot where that famous old Indian chief, Sitting Bull, formerly surveyed the landscape for signs of the enemy, I could not but admire the foresight of that veteran craftsman, Robert Brown, when he saw a future for plants and built a greenhouse upon what was then virgin prairie. It was a long, tedious pull, but being almost a native himself, he was the man to lay the foundation of a business which has grown to extensive proportions, and is now known under the style of Robt. Brown & Sons.

Situated not far distant are the plants of the Humfeld Floral Co. and Samuel Murray.

The latter gentleman grows many specimens for his store. I noted a fine batch of trained chrysanthemums that reflect much credit upon his grower, Mr. Sharpe.

Considerable friendly rivalry among the citizens for premiums offered by one of the journals for the best kept gardens has created a phenomenal demand for plants which benefited all growers. A. Barbe supplied many from his well-grown stock.

The store men look on at such times with envy, but as Arthur Newell naïvely remarked, while they are chasing grasshoppers we are cooling ourselves up at Mackinac, preparatory to having our innings later. W. L. Rock does a flourishing business.

One of those mammoth greenhouse plants transplanted from Chicago may be an event of a not very distant date. There is no danger from the shaggy buffalos; the only relic is H. I. Millatt, of the Bison City, who predicts another season as good as last year, which satisfied all hands.

ST. JOSEPH, MO.—The firm of W. Krumm & Son has changed, Mr. Krumm, senior, having retired in favor of the boys after building up a flourishing business, the continuation of which will, we are sure, be carried on with mutual satisfaction. Fred Krumm, the popular store member, felt so elated that he immediately took a life partner, remarking there were enough crumbs to go a little further. He is receiving hosts of congratulations.

J. N. Kidd had all arrangements made to attend the Convention, but was compelled to defer at the last moment, on account of heavy funeral work.

DAVENPORT, IA.—Otto Klinghiel, who took over the plant so well conducted by Chas. Dannacher for several years, has a fine stock prepared for Fall. Mr. Dannacher is resting upon his laurels.

ROCK ISLAND, ILL.—Henry Gaethje is putting in an electric pump, his establishment getting beyond the old-time windmill capacity.

MOLINE, ILL.—Henry Knees reports a very busy Summer with a fine lot of stock for Fall. Carnations have done very well right through this country, and by this time all are planted.

ST. PAUL, MINN.—I met Chas. R. Dane, of Boston, who stopped off for a few hours en route from a visit to Winnipeg, where he spent a delightful time, and reports the craft there fully as progressive as their American friends. Mr. Dane pointed out to the writer the spot where he first landed in a batteau in '57, when a greenhouse was a rarity, and such a place as the Donaldson glass block, where Jas. Souden presides over the Floral Department, was not dreamt of; and a handsome store, with a double fronted entrance, with span for a car load of plants as occupied by those young hustlers Holm & Olson, an impossibility.

Otto Heiserkorn has built a handy greenhouse on to the rear of his store.



J. B. Deamud, Wife, and Son.

LAFAYETTE, IND.—At time of my visit to F. Dorner's Sons, they were busily engaged housing seedling carnations, these being the last to come in from the field. The early part of the season was favorable to the growth of the plants, but the latter part was very trying, and those that have come through bear evidence of a vigorous constitution. While the number of seedlings is larger than ever before, the percentage of good blooms is greater, and the habit of the plants more promising. There are very few of the dwarf, bunchy type. Altogether the outlook for something even better than what has been sent out augurs well.

Among the numerous seedlings being tested is a white of '98, which may be classed as an improved White Cloud, it being sturdier than that variety, with a longer stem, and will come into crop earlier, which, as is well known, is White Cloud's only drawback. A yellow is a fine Gold Nugget, but of a brighter color, cleaner habit, and, if possible, freer. Another is a cerise pink, of which more will be heard; also several "dark horses," that will demand recognition later on. White Cloud and Glacier are grown as standards, while a house is set apart for trial of the new varieties sent out by other introducers, Mr. Dorner being greatly in favor of growing the plants one season before endorsing them. The irrigating system is a success, and will be enlarged this season.

Fred tells me that shipping business has far exceeded expectations. The demand from the South is increasing; as, while the growers there are very successful through the Winter, during the Summer the plants do not make so good a growth as what is here termed second size.

While in the field of seedlings I noted a new canna, of an orange shade, of very free growth, medium height and highly promising. Also a carnation with a stem three feet in length, flower of a dark color—a rival to Roosevelt.

Mr. Dorner says the daily edition of the EXCHANGE, at the Convention, was a masterpiece of journalism

INDIANAPOLIS, IND.—Anthony Wiegand returned home deeply impressed with the princely hospitality of the New Yorkers, and says that he could end his days at Glen Island, which means, we hope, that he could spend a long time there. Anthony, Junior, came back with some ideas he picked up in a tour of the stores, and is embodying these ideas in the reconstruction of their own store, making it thoroughly up-to-date in every detail.

But little trace is left of the bad fire that visited the plant of W. J. Hasselman last Spring; everything is now in running order. The establishment is heated with hot water under pressure, furnished by a 140 h. p. boiler, which is, I believe, the largest of its kind used in our business.

At the State Fair held last week W. W. Coles, of Kokomo, took first premium for a general collection of old-fashioned flowers. There was keen competition, proving the increasing popularity of perennials, which largely predominated.

TERRE HAUTE, IND.—J. G. Heinl & Son have a choice stock for Fall business. They intend transferring the entire plant to land situate a short distance away, and of less value as real estate. By next Spring a new block will be erected. Fred Heinl has plans for the store, which will be strictly up-to-date.

DANVILLE, ILL.—John Willis was one of the crowd who attended the Convention. It was some twelve years since he had visited the great metropolis, and he was amazed at the changes that had taken place during the interval. There were no markets then, and he recalls his peregrinations from Flatbush to New York with much interest. Mr. Willis was acquainted with that enthusiastic horticulturist, Simon Mardner, of Mayence-on-the-Rhine, the raiser of those indispensable varieties of azaleas Deutsche Perle and Simon Mardner. He is now making carnations his hobby, and has a yellow, of Malmaison type, which, if sufficiently floriferous, will be a desideratum.

The building of the conservatory at the Soldiers' Home is under way, and by next Spring will be finished.

BLOOMINGTON, ILL.—Andrew Washburn & Sons have added several houses and remodelled their store during the Summer. Owing to sickness, the senior member of the firm was prevented from attending the Convention, and perused with much interest the report, as contained in the EXCHANGE.

J. D. Robinson has added a house for the Perle, which rose is as popular as ever for funeral work. His chrysanthemums in pots are well grown.

SPRINGFIELD, ILL.—Brown & Canfield were compelled to move into a larger and more commodious store, where they will be able to give more room to plants. The seed branch is large, and increasing.

Louis Unverzagt was busy making up groups for his exhibit at the State Fair, to be held this week, where he usually is very successful, owing to the high grade of stock shown by him.

Miss Bell Miller has one of the largest stocks of Boston ferns in the state.

PEORIA, ILL.—J. C. Murray has removed into a larger store, located a short distance from the former site. Increase in the seed business is responsible for the change. Closer attention to this branch has proven very remunerative, and as nothing but high grade stock is handled an enviable reputation has been built up. An addition has been made to the greenhouse plant; two houses, each 100 x 25 feet, S. E. aspect, with a corridor house, supplied by Moninger, are intended for roses, of which the stock planted is in excellent shape. Beauty will be grown extensively, part of the old plant being utilized for that purpose. Liberty is doing finely, planted in same house with Bride and Bridesmaid. Of carnations, Mrs. Joost is the most popular; it does splendidly in this section. Chrysanthemums in pots are a feature; they usually sell well, and this year will probably be no exception. I noted also a well-grown batch of poinsettias, which the grower, Mr. Reeve, tells me are in good demand.

W. M.

Columbus, O.

Mrs. E. L. Charles was severely burned recently while putting out a fire caused by an exploded lamp.

Emil Metzmair has returned from Europe. He reports having had a very good time.

Correspondence

The Howard Star Petunias.

Editor Florists' Exchange.

On the priociple that merit should not go unrewarded, I am sure you will welcome a word about this unique strain of petunias. September 15 Professor Maynard, of the Agricultural Experiment Station at Amherst, and myself went to Belchertown to see these petunias. Mr. Howard knows how to make and stick to such a line of floral development better than he does how to introduce it. Everyone who has seen cut blooms of these petunias on exhibition has been struck with their novelty and quality, but probably also everyone's first thought has been that but a small percentage in a field of them would have this decided character. I was myself chiefly interested to see what their general character was in the field. Mr. Howard has been 20 years at work on them, the last five years showing the most decided progress of all. Seventy-five per cent. of the plants from seed show original character, although there are perhaps three types that are most striking. There is the sharply-defined star, with rich velvety maroon border. Then there is a type in which the star blends with the border in a brilliant wine shading; and there is a beautiful class in which veined and feathered work takes the place of the star. Those that incline to a white flower are beautifully blotched.

We saw the plants before the recent rains had refreshed them, and they were still thrifty and full of bloom. One thing that indicates their quality is that they seed very sparingly, and they will yield an exceptionally small quantity this year. Professor Maynard and myself advised holding it till a better seed year. I think any fair judge would class this petunia with the best recent floral acquisitions.

Mr. Howard has also a fine strain of Liliput zinnias, and is at work on verbenas and asters. He will another year devote more labor to exhibiting his petunias. And, by the way, why was it the Massachusetts Horticultural Society, where they were shown this year and attracted great attention, awarded them no special recognition? Probably it was because the judges waited to find out whether the general character of the strain is as fine in the field as it appears to be on the table. I am sure that any Massachusetts society owes it to a man in her borders not only to recognize his 20 years' persistent work on this flower, but to prove to their own satisfaction that it is in the field what it appears to be on the table. Mr. Howard has a good thing, and is too modest about it.

W. T. HUTCHINS.

Notes on Cannas.

The number of varieties of cannas is increasing every year, and as decided improvements among them are being made, it will be necessary for such growers as wish to keep up to date, and have the best kinds only, to discard many old varieties, as these are gradually being superseded.

We recently had the opportunity of going through the canna fields of the F. R. Pierson Co., Tarrytown, N. Y.; and C. W. Ward, Cottage Gardens, Queens, L. I. At both these establishments the cannas are planted in blocks, and competing kinds are placed side by side, so that, now that they are all in their full glory of bloom, a comparison of their respective qualities is rendered comparatively easy.

As the florist and gardener uses the canna for distant effects, rather than for close inspection, such as is given to carpet beds, etc., the canna's strongest points should be its distinctiveness in color and form, rather than the size of its individual segments.

In the fields of the F. R. Pierson Co., which are located near the firm's rose houses at Scarborough, N. Y., the season has been a particularly dry one, and has been a severe test on the staying qualities of the cannas. In the crimson bedding class, Tarrytown, McKinley, Philadelphia and Beaute Poitevine stand at the head of the list. Tarrytown was sent out two years ago, and after growing it side by side with its competitors, Mr. Pierson unhesitatingly pronounces it the very finest crimson bedding canna in cultivation. Its habit of throwing up the flowers well above the foliage, so evenly, together with the branching of the flower stems, each branch bearing such a profusion of vivid blooms, makes it by far the most desirable sort of its color.

Mrs. Kate Gray shows up very handsomely, and where a tall growing, orange-scarlet variety is needed, this is the one to fill the bill. This variety is the result of a cross between Italia and Mme. Crozy, and the color and size of the flowers make it very effective.

In the vari-colored section, Pierson's Premier, Queen Charlotte and Souvenir d'Antoine Crozy are among the very best. Pierson's Premier is, however, preferred, owing to its uniform dwarf habit (it grows but three feet high), and its profuseness in flowering.

In yellow varieties but three need be mentioned here: Floribunda is a tall growing kind of a bright color, probably the freest bloomer of all cannas; and where a tall plant is needed this variety is to be preferred to Eldorado. The latter is a beautiful yellow, and for medium height is all right. Buttercup is a very dwarf variety, but the pure yellow color of its blossoms makes it one of the most effective of its class.

In the pink-colored class Rosemawr stands way ahead of all the others. This variety has a soft rosy tint that is foreign to the usually so-called pink canna, and, seen at a distance, the pink tint is decidedly pronounced and very pleasing in effect. This canna attains a height of about three feet, and, as its appearance in the field shows, is a capital bedder, being very free and lasting, and the flowers holding their color tints without fading.

In the dark or purple-leaved section, President Max Michelli has both well-colored foliage and flowers. The latter are of a deep orange shade, and are borne as freely as those on the green-leaved section. Shenandoah is one of the dark-leaved kinds, and throws a pink flower. This variety looks very promising, and further trial will probably place it among those in the front rank. Crimson Bedder shows up well, as also does the Duke of Marlborough; the latter, as a dark crimson, being probably the very best of its color. Secretary Chabanne approaches nearest to the salmon tint as the flowers develop, and is quite distinct. It is also early and of good habit, growing from three to four feet in height.

Besides the varieties mentioned, Mr. Pierson has a block planted of Souvenir de Mme. Nardy, a beautiful mottled variety; Pandora, a dark foliage variety, flower stems rather slim; Michael Fauvchoir, a tall growing orange-colored variety that looks promising; Mlle. Berat, a dark-pink kind; Alsace, the only "white" canna; Baron de Bellroche, which throws a pleasing carmine-colored flower and has very heavy foliage.

Phillip Rivoire is a new kind, with a colored flower which looks promising; Alphonse Bouvier, a tall dark sort; President Cleveland; Sam Trelease, a scarlet flower with yellow throat, very pleasing, and shows a good habit; President Carnot, a dark foliaged variety; J. D. Cabos, light orange; Admiral Avellan, F. Neuvessel, J. C. Vaughan, and Burbank and Kronos, of the Italian varieties.

Mr. Ward has a very select collection of cannas in the field, and a visit to them at this time is most interesting. We noticed particularly a seedling that gives great expectations as a bedder. The color of the flower is about the same as that of President McKinley, a little brighter if anything, and this variety is inclined to be a rather taller grower than McKinley. In the crimson class Mr. Ward's specials are President McKinley, Mrs. Kate Gray, Philadelphia, Duke of Marlborough (dark), J. D. Eisele and Beaute Poitevine. Eldorado is the favorite yellow; and in the purple-foliaged class Black Beauty is in the front of all others. For an orange or bronze-colored variety, J. D. Cabos takes the lead, while in the mottled sorts Comte de Bouchard is considered the best one. Sam Trelease is showing up in good form, and will be kept as a standard sort; and that gilt-edged variety, Souvenir d'Antoine Crozy, is reckoned as the best in its class.

Other varieties are grown; but we have given the names of the choicest kinds in their respective colors. Those mentioned have been fairly tried, and can be relied upon as the best up-to-date varieties.

Acid Salts.

Perhaps no principle in agriculture is better established than that an excess of any salt, in the usual acceptance of the term, is a cause of barrenness. Yet it is quite as well established that the quantity of different salts admits of some latitude, and that some salts do produce better results than others. Referring to the acid constituent of these salts, it will be found that some acids are organic. They consist of hydrogen, carbon, oxygen, all of which, under the influence of the living plant, may be dissociated. Other acids consist of oxygen and nitrogen, essential constituents of plants; others consist of chlorine; others of sulphur and oxygen, and others of carbon and oxygen.

In other words, the acids are composed of elements which form food for plants, or of elements which enter in small proportions only into the composition of plants.

In the first case, the salts admit of a larger quantity being applied than in the second. By the first, plants are fed; by the second, they are poisoned, for the base of all salts act ever the same in agriculture. Peculiarity of action depends on the acid of the salt. The acid is eliminated; if this is set free in large quantities and its elements can be taken up and converted by the plant, well, good effects follow; if, on the other hand, the elements of the acid are such as the plant does not demand, they act like poison on the animal economy.

Let salts be divided on this principle of the peculiarity of action depending upon the acid of the salts into two classes—the first nourishing, the second poisoning, plants. The first class contains (a) carbonates, (b) nitrates, (c) phosphates. The second class—that is, those whose acid forms but a small portion of the elements of plants, we find there two classes: First, sulphates, as plaster, copperas, glauber salts, all of which, in small quantities are beneficial; second, muriates of chlorides, as they are strictly called, as common salt (muriate of soda), muriate of lime, muriate of potash.

In all this action of salts, it is seen that the presence of life seems almost essential. Whatever the vital principle may be, it may be best represented as analagous to electricity and galvanism.

In this point of view, the salts present themselves in a new relation, in which, alone, they may be said to be stimulants or excitants. Plants and soil act, it may be supposed for illustration, by forming galvanic batteries, or piles, with each other. The most active element in the pile is the growing plant. It is an acknowledged fact that chemical action, if not the source, is ever attended by electrical effects. An acid in contact with an alkali or metal always produces chemical action, but the silicates of the soil are already combinations of acid and metals; hence as such they have no tendency to act on each other. If there be added to these a salt or an acid, chemical action, decomposition, begins. The electricity is, we may say, excited by salts; they are in this sense, and in no other, excitants or stimulants. The very first act of vegetation, the germination of seeds, induces this electric action, this decomposition of the elements of soil. Germination produces carbonic acid by decomposing water. The very first act of life in a seed is to evolve carbonic acid by its carbon combining with oxygen of air, and its second act is to decompose water. Its oxygen combines with the carbon of the seed; a single bean produces many times its bulk of carbonic acid gas, and in the soil would surround itself with carbonic acid. This evolved, begins its action upon the silicates.

This living seed begins its electric action, and the plants exert and keep up this influence. Salts act in a similar way, but above all, over all, influencing all, is the living plant. This electric action induced, extends to undetermined distances; hence, there is a transfer, as is usual in all cases of galvanic decomposition, of substances remote from the plant to its root, where they are taken up. It is not the potash, soda and lime, etc., immediately in contact with the root which alone supplies the plant, but under the galvanic influence an undetermined portion of soil is decomposed. By numerous experiments it is known that plants constantly discharge, while growing, carbonic acid from their roots. This acid decomposed the silicates in a soil which had resisted the action of nitro-muriatic acid. It eliminated elements from supposed pure quartz whose existence there had been proved in no other lode. ANDREW H. WARD.

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN.

THEODORE J. SMITH, Geneva, N. Y., President; N. W. HALE, Knoxville, Tenn., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

Rochester, N. Y.—Fire destroyed most of the buildings of the Batavia Nurseries, owned by Nelson Bogue, September 23, entailing a loss of about $8,000.

October Purple Plum.—We send you by bearer samples of October purple plum, which we want you to examine and pass upon. The tree is a fine grower and a heavy bearer.—STEPHEN HOYT'S SONS, New Canaan, Conn.

—The plums arrived in good condition and proved to be very juicy and pleasant to the taste. As a late plum it is a beauty, and should surely become a favorite.

THE EXPERIMENT STATIONS.

FIELD OPERATIONS OF THE DIVISION OF SOILS.—U. S. Department of Agriculture, with accompanying maps. The operations consist of soil surveys over various areas, aggregating 720,000 acres, the work accomplished being, in the opinion of the Secretary of Agriculture, the most important of its kind ever undertaken.

PROGRESS OF PLANT-BREEDING IN THE UNITED STATES.—Reprint from Year Book of Department of Agriculture, 1899, an interesting and valuable pamphlet.

LIVE COVERS FOR COUNTRY HOMES, Bulletin 144, New Jersey Agricultural Experiment Stations, New Brunswick, N. J.—An illustrated pamphlet, enumerating a list of vines suitable for covering house walls, etc.

HOW INSECTS ARE STUDIED at the Ohio Agricultural Experiment Station.—Bulletin 114. Prof. F. M. Webster gives an interesting account of the work of the entomologist at this station.

INVESTIGATIONS OF PLANT DISEASES.—Bulletin 111 of same station. Profusely illustrated.

TWENTY-THIRD ANNUAL REPORT Connecticut Agricultural Experiment Station, New Haven, Conn.—Contains, among other things, notes on experiments with different fertilizers applied to carnations, and an article on "Stem Rot" on carnations.

THE APPLE ORCHARD, Bulletin 49, Missouri Agricultural Experiment Station, Columbia, Mo.—Deals with preparation of soil for planting crops to be grown in an orchard; cultural methods, etc.

TESTS OF SMALL FRUITS, Bulletin 83, Indiana Experiment Station, Lafayette, Ind.

CUCUMBER ENEMIES. How to Fight.—Pamphlet issued by Maine Agricultural Experiment Station, Orono, Me.

GRAPE CANE GALL MAKER AND ITS ENEMIES.—Bulletin 116, Ohio Experiment Station, Columbus, O. Illustrated.

INSECTS AFFECTING THE TOBACCO PLANT. By Prof L. O. Howard.—Farmers' Bulletin 120, United States Department of Agriculture. Profusely illustrated.

TOBACCO STEMS
"Good Strong Kind."
60 CTS. PER 100 LBS.
BALES WEIGH 500 LBS.
TOBACCO DUST
"THE BLACK STUFF."
Fine or Coarse to Your Order.
50 to 1000 lbs., 2 cents per pound.
H. A. STOOTHOFF,
118 WEST STREET, NEW YORK CITY.
Mention this paper.

Boston.

Market Report.

Business shows but slight improvement as yet The wholesalers find most of it comes from out-of-town purchasers. The retailers, although they see customers returning nearly every day, do not report any great rush yet, though most of them are kept busy returning "boarders" now. There is little prospect of much improvement before the middle of October, unless we should get about a week of cold, disagreeable weather, which would drive many home early.

The market is stocked well enough to meet all demands on it, although at times a few finer roses could be used. There are quantities of Bride, Bridesmaid, Meteor and Liberty coming in, but they are principally of the poorer grades. A few of a little better quality make $4 per 100. Kaiserin and Carnot are not as plentiful nor as good as they have been, though a few good flowers of the latter are to be had. American Beauty are in good supply, but as yet the demand is light for the better grades.

The supply of asters is decreasing and the quality, too, is falling off, though there are still more than enough to meet the daily demand. Carnations are becoming plentiful from indoors. Prices have not changed much, dropping a little if anything, with the increased supply. A few fancies or novelties make $2 per 100.

News Notes.

Welch Bros. are receiving shipments of some very fine American Beauty.

R. H. Kidder is bringing in a few solanums of fairly good quality. Mr. Kidder has a fine lot of young palms, rubbers, araucarias, pandanus, dracænas, etc., at his place.

Lawrence Cotter had an unwelcome visitor on Wednesday morning, September 19. An escaped inmate of the lunatic asylum at Austin Farm amused himself throwing stones through the glass in the greenhouses, and doing other damage about the place. He was shortly afterwards arrested.

Massachusetts Horticultural Society.

The regular exhibition held at Horticultural Hall, took the form rather of a fruit and vegetable show. The annual exhibition takes place September 27 and 28. Prizes were offered for cactus dahlias, for the first time, and some fine flowers were shown by H. F. Burt and W. G. Winsor. Good exhibits of perennial asters were made, among the better ones being those of the Misses Doran, Blue Hill Nursery and Miss A. L. Grinnell. The hardy herbaceous plants shown were of very good quality, Blue Hills Nursery, Carl Blomberg and W. J. Clemson, making nice displays.

Among other flower displays worthy of note were Rea Bros.' collection of perennial phloxes, Francis Skinner's asters and zinnias; Mrs. E. M. Gill's and Jas. Comley's asters and Miss Grinnell's large collection of native plants. Only two plants were shown, and both were orchids; one a Stanhopea Bucephalus guttata, exhibited by H. A. Wheeler, which was awarded a first-class certificate of merit; the other an Oncidium ornithorhynchum, from R. Carslein, gardener to Col. F. Mason.

The fruits and vegetables were of an uniformly high standard of quality, and this in the face of an unusually dry season. Among the apples Gravenstein was presented in greatest number, and was in the lead for quality. Other fine sorts shown were Garden Royal, Porter, Maiden's Blush, Red Bretigheimer and Wealthy, the latter variety winning first in the class for "any other variety," as shown by C. M. Handley, who also won second in this class with Fall Orange. The crab apples on display were excellent and included fine specimens of Transcendent, Hyslop and Montreal Beauty. The Bartlett pear still holds its claim as the favorite, though Sheldon and Souvenir du Congrés showed up finely. Peaches, too, were extensively shown, and of very fine quality. Splendid specimens of Coolidge's Favorite, Crosby, Crawford's Early, Old Mixon, Freestone, Stump the World and Elberta being staged. Nectarines, plums and native grapes added to the fine display.

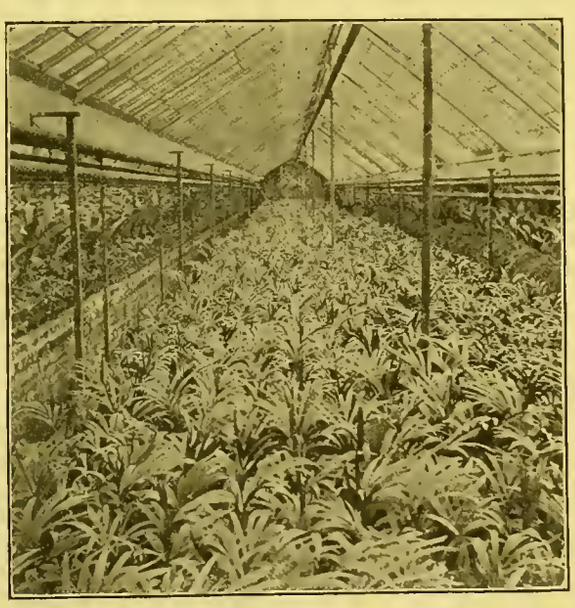
At the exhibition of the Massachusetts Horticultural Society, Saturday last, a few very nice things were shown. Oakes Ames, Esq., (Robert M. Grey, gardener) sent in three fine orchids, for one of which, a hybrid cypripedium bearing Mr. Ames' name (C. Rothschildianum x C. ciliolare) he was awarded a silver medal. He also showed Epidendrum Godseffianum, with three fine flower spikes, and Stelis Rodriguezii, an interesting Mexican species. A large collection of dahlias was staged by C. S. Pratt, and one of asters by F. Campbell. Joseph Chase had a fine collection of grapes of excellent quality. F. J. N.

Dayton, O.

The horticultural display at our county fair this year was very good. A goodly number of amateurs had their plants on exhibition, and made a fine showing. Among the growers the collection of J. H. Brehner deserves special mention. His large palms, rubbers, crotons, dracænas, araucarias, etc., were very attractive, due to their condition and arrangement. His large Codiæum interruptum, as a center piece, was very noticeable. The most interesting part of the plant exhibit was "Before and After Joining the Outdoor Art Association of South Park." This work was designed and suggested by Mr. E. H. Kerr, and was unique, indeed. The "before joining" was illustrated by a tent representing a hut surrounded by a fence. In the center of the front yard was a small bed containing a carnation plant. A few small plants were placed in one of the windows, and several oleanders were promiscuously dispersed in the front yard. The clothesline, bearing some clothes, helped make the front yard conspicuous. Just across the walk was the "after joining" display. In this case the front yard was larger, and, instead of being bare, was covered by green grass, making a beautiful lawn, with a curving walk through the center, leading to the house. The lawn was tastefully bordered by potted decorative plants, to illustrate planting. The house was, indeed, a homelike and inviting spot. In front of the house grew plants reaching up to the lower windows, bordered by some not so high. The veranda and windows were tastefully covered by growing vines. It made the most striking picture we ever saw. It simply shows how much more homelike a house can be made by a little interest and judgment.



In this connection, perhaps, a word or two about South Park, where this Outdoor Art Association had its origin and now wields a powerful influence, will not be out of place. In this part of the city is the factory of the National Cash Register Company. Their section was but a short time ago a very unattractive locality. But the love of plants and the influence of the Outdoor Art Association, as well as the encouragement given by the company, has transformed this spot into an Eden. It is certainly inspiring to stroll in that neighborhood and see the homes of the factory employees—houses beautifully decorated by veranda boxes and hanging baskets, and surrounded by rich green lawns, neatly bordered by growing plants. N. C. R.



Views in Palm Houses of J. B. Heiss, Dayton, O.

Western Palm Trade.

Our illustrations show the interiors of the palm houses of J. B. Heiss, Dayton, O. Mr. Heiss finds an increasing trade in this line, and is making preparations to meet it.

Denver.

The Florists' Club of this city is exhibiting great activity. It will hold a flower show, November 8 to 14 next, to which, it is reported, admission will be free. At the last meeting of the club the matter of creating a general interest in gardening was discussed, following a paper on the subject read by Mr. Davis of the city park greenhouses. It was suggested, and received with favor, that the co-operation of the City Improvement Society and similar organizations be sought and that exhibitions be given of garden and house plants, at the proper seasons, to be participated in only incidentally by the florists and the paid gardeners, and principally by persons who dig their own gardens and nurse their own plants. Prizes will be offered also for the best kept gardens, the best lawns, the finest trees and other features in the beautification of the city.

The club will also look into the matter of making a flower market in Denver. The plan proposed is to erect a suitable building in a central location, provided with stalls, in which the florists may exhibit their wares. This plan has been tried in Cincinnati and other cities, and found satisfactory.

The matter of the wages paid in Denver floral establishments was discussed, and the employing florists present agreed that less was paid than in other lines of trade where less skill and reliability were needed. The uncertain scale of prices for flowers was blamed for the low wage scale. It was decided that the club should do all in its power to advance the interests of the working florists, both by increasing the demand for flowers, and by getting the public to understand the amount of skill and work required to produce the higher class of stock. This may be supplemented by a movement to establish uniform prices.

Exhibits were made at this meeting by Manff, McGregor and others.

St. Louis.

Market Improves.

Stock and business continue to improve; roses are arriving of very much better quality, with satisfactory sales for the best of them. Prices run about the same as last reported.

We hope and expect from now on that trade will be good. Our fair opens next week; our exposition is already open, and there is a big ball next, all of which tends to increase business. This we certainly need, as it is generally admitted that the past Summer has been a remarkably dull one.

Ostertag Bros. report a very busy and satisfactory trade induced by decorations of large downtown stores. They use natural and artificial plants together.

Visitors.

Mrs. M. S. Vesey, of Fort Wayne, Ind.; Walter Retzer, of Chicago; W. H. Bearry, representing Curry & Co., Nashville, Tenn.; Frank Howard, representing Chicago Folding Box Co.

Notes.

Theodore Miller has opened a retail business at 4832 Delmor avenue. He has a neat, well-built greenhouse store, with elegant finish and fixtures, all in pure white; his icebox being one of the most attractive features. Mr. Miller was for years superintendent of Portland Place, one of our best and most fashionable private establishments. In connection with above business he will undertake landscape work of high class only, and would like to receive the wholesale lists of florists and bulb men. Mr. Miller has done considerable work in the laying out of nice places, several of which are in Portland, and adjoining neighborhoods.

H. G. Berning has gone to Chicago on a wedding trip, he having been married recently.

George Waldhart has moved into his new store. C. C. S.

Louisville, Ky.

The retail prices of flowers here are: Roses, other than Beauty, $1 to $1.50 per dozen; Beauty, $2 to $3 per dozen; carnations, 25c. to 50c. per dozen. Stock is improving steadily, especially American Beauty, which are coming in extra fine.

In the recent floral parade the florists did themselves proud. In the division devoted to industrial floats Mrs. C. W. Reimers received first prize, and Nanz & Neuner second. In the division of coaches entered by clubs, the Lucky Thirteen Club, of which J. E. Marrett is a member and who designed the decorations, received first prize. J. S.

ORCHIDS

A splendid stock of established and unestablished Orchids always on hand. A number of varieties now in sheath and spike.

CORRESPONDENCE SOLICITED.

LAGER & HURRELL, Summit, N. J.

Mention the Florists' Exchange when writing.

PINK BOUVARDIA

(Rosea Multiflora.)

Very fine plants from the field, $10.00 per 100.

Also a few good **ENGLISH IVY**, 4 in., $1.00 per doz.; $8.00 per 100.

CHAS. E. MEEHAN, Germantown, Phila., Pa.

Mention the Florists' Exchange when writing.

600 FINE SMILAX PLANTS

2½ Inch Pots, **$2.00 per 100.**

CASH WITH ORDER.

WM. KEIR, - Pikesville, Md.

Mention the Florists' Exchange when writing.

ROSE PLANTS

In varieties, from 2½, 3 and 4 inch pots. Write for prices.

	100
Lemon Verbena, 3 in. pots	$4 00
Sansevieria Zeylanica, 3 in. pots	5.00
Asparagus Plumosus, 2½ in. pots	5 00
Asparagus Sprengeri, 2½ in. pots	4.00
Nephrolepis Cordata Compacta, 2½ in.	3.00
N. Cordata Compacta, 3 in. pans...per doz.,	6.00
Field-Grown, Scotch **Hardy Pinks**, at $3.50 per 100; $30.00 per 1000. 6 varieties.	

THE NATIONAL PLANT CO., Dayton, Ohio.

Mention the Florists' Exchange when writing.

CINERARIAS for Christmas Flowering, a superb strain, large flowered.

2¼ in., $2 00 per 100. 3.0 for $5.00
3 in., $3.00 per 100. 400 for $10.00

Chinese Primula, 2¼ in., $2.00 per 100; 3 in., $3 00 per 100.

Cyclamen Persicum Giganteum, 3 in., $6.00 per 100; 4 in., $8.00 per 100.

WHITTON & SONS,
Wholesale Florists,
City and Green Sts., - - UTICA, N. Y.

Mention the Florists' Exchange when writing.

PRIMULA CHINENSIS

In six colors, mixed, strong plants, out of 2 in. pots $2.00 per 100. Out of 3 in. pots, $3.00 per 100.

PANSY PLANTS

Cassier and Trimardeau, large flowering, 35 cts. per 100; $3.00 per 1000. (Cash with order.)

H. STAHLHUT, New Lots Road and Shepherd Ave.
BROOKLYN, N. Y.

Mention the Florists' Exchange when writing.

FALL, 1900 30,000 Violets and Carnations, &c.

10,000 2¼ Inch Pot Plants. Marie Louise, L. H. Campbell, and Swanley White, $3.00 per 100, from 2¼ inch pots, clean. Also California and Luxonne, from flats, $1.50 per 100.

10,000 Field Clumps, Fine—Princess Wales, $8.00 per 100; L. H Campbell and Luxonne, $5.00 per 100; California, $3.00 per 100.

10,000 Field-Grown Carnations, for Sept. delivery—McGowan, Portia and Scotts—$3.50 per 100, or $30.00 per 1000.

2000 fine, bushy, 2½ inch **Smilax**, $1.50 per 100.

2000 Double Sweet Alyssum, bushy, for Winter, $2.50 per 100.

Asparagus Sprengeri, 6 inch, 20c.; 5 in., 15c.

Cash, Please. **BENJ. CONNELL, Florist, WEST GROVE, PA.**

Mention the Florists' Exchange when writing.

PRIMROSES

15,000 Finest large-flowering fringed, per 1000, $15.00; per 100, $1 75.
Obconica Grandifl. and **Rosea**, ready Sept. 20, per 100, $2.00.

PANSY PLANTS **Large Flowering**, per ounce, $4.00. October 15th, 50c. per 100; $3.00 per 1000.

ASPARAGUS SPRENGERI, $3.00 per 100. **PLUMOSUS**, $4.00 per 100.

Cash, Please. **JOS. H. CUNNINGHAM, Delaware, Ohio.**

Mention the Florists' Exchange when writing.

Violets, Asparagus Plumosus and Sprengeri

	Per 100
Asparagus Plumosus, 2¼ in.	$5 00
" **Sprengeri**, 2 in.	3 00
" " 2¼ in.	4 00
Baby Primrose, 2¼ in.	4 00
Begonia Rex, rooted cuttings	2 00
Forget-me-not, " " (winter)	2 00
Geranium Cuttings— All the best varieties. Write for prices.	
Lemon Verbena, Extra 2 and 2¼ in. at $3.00 and $4.00 per 100.	Per 100
Violets, Farquhar, 2¼ in., free of disease.	$2 50
" " 3 in " "	3 50
M. Louise, field-grown, large clumps, very clean,	4 00
Vinca, 2¼ in.	$3 00
3 in.	5 00
" 4 in.	10 00
5 in.	15 00
" rooted cuttings, $10.00 per 1000.	1 25

Send for Descriptive Circular and prices for the best Florists' Hose Nozzle.

TERMS CASH or C. O. D. WILL EXCHANGE FOR CARNATION PLANTS.

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR

LORRAINE BEGONIAS

We offer the following for immediate delivery:

BEGONIA GLOIRE De LORRAINE.

Fine strong plants from 2¼-in. pots, $15.00 per 100; 3½-in. pots, $25.00 per 100.

Begonia Gloire de Lorraine Nana Compacta.

Fine strong plants from 2¼-in. pots, $15.00 per 100; 3½-in. pots, $27.50 per 100.

We especially recommend the 3½-in. size as being exceptionally well rooted and of strong, healthy growth; almost ready for a shift to a 6-in. pot. These plants should find a ready sale at Christmas, as they will be in full flower at that time.

Begonia Caledonia, the White Lorraine.

Plants from 3½-in pots, for delivery Nov. 1st, $5.00 each.

We are the only Firm in America offering this fine new Novelty this year.

R. & J. FARQUHAR & CO., 16 & 19 South Market St., Boston, Mass.

Mention the Florists' Exchange when writing

FOR CASH

To close them out. 1000 **Campbell** Violet plants. Nice, grown in 3½ in. pots, $5 00 per 100. **English Ivies**, 10 to 20 in. long, 2½ in. pots, $3.00 per 100. **Sweet Alyssum**, for winter blooming, 2½ in. pots, $2 50 per 100. **Forget-me-not**, winter blooming, 2½ in pots, $2.50 per 100. See them if you can. Electrics within 200 feet of my place.

A. F. BELCHER, - Foxboro, Mass.

Mention the Florists' Exchange when writing.

PRIMROSE and CYCLAMEN.

Primrose latest improved large flowering fine plants, ready for 3½, $2.00 per 100.

Cyclamen Giganteum 3 in. $5.00 per 100

Extras added. Cash, please.

J. W. MILLER, Hatton, Pa.

Mention the Florists' Exchange when writing.

ROSES

For Late Planting.

Strong, healthy plants of Bride, Perle, La France and Bridesmaid, from 4 inch pots, at $6.00 per 100.

ASPARAGUS SPRENGERI

Strong, 4 inch pots, $10.00 per 100.

DRACÆNA INDIVISA

Strong 4 inch pot plants, $8.00 per 100
Strong 5 inch pot plants, $12.00 per 100

I. H. MOSS, Govanstown, BALTIMORE, MD.

Mention the Florists' Exchange when writing.

REDUCED PRICES FOR CASH



10,000 Chinese Primulas, Red, White, Pink and Blue, Barnard's Strain, 2¼ inch, $1 50 per 100.

20,000 Giant-Flowering Pansy Plants, 1-6 per cent. Ruffled, $4.00 per 1000.

8,000 Flowering Begonias, 2¼ inch, in ten choice varieties, $1.50 per 100.

THE MORRIS FLORAL CO., Morris, Ill.

Mention the Florists' Exchange when writing.

ROSES

Perle	Sunset
K. A. Victoria	Souv. de Wootton

Strong clean plants, from 3 in. pots, $7.00 per 100 $65.00 per 1000.

Brides	Golden Gate
Bridesmaid	La France
Bon Silene	Maid of Honor
Duchess of Albany	Mermet

Strong, clean plants from 3 in. pots, $6.00 per 100; $55.00 per 1000.

LIBERTY

12 plants for		$7 20
25 "	"	12 50
50 "	"	15 00
100 "	"	28 00

Strong, Field-grown **CARNATIONS** Healthy Stock

America, Gen. Maceo, Mrs. Geo. M. Bradt.
1st size, $8.00 per 100; $70.00 per 1000
2d size, $6.00 per 100; $50.00 per 1000

Meiba, Genl. Gomez, Armazindy.
1st size, $7.00 per 100; $60.00 per 1000
2d size, $5.00 per 100; $45.00 per 1000

Bon Ton, Frances Joost, Psyche.
1st size, $6.00 per 100; $50.00 per 1000
2d size, $5.00 per 100; $45.00 per 1000

Firefly, New York, Sea Shell, Victor, Thos. Cartledge, Alaska, Portia, Lizzie McGowan, Wm. Scott.
1st size, $5.00 per 100; $40.00 per 1000
2d size, $4.00 per 100; $35.00 per 1000

SMILAX strong plants, from 2¼ in. pots, $2.50 per 100; $18.00 per 1000.

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

GIANT DOUBLE ALYSSUM 3 inch pots, $3.00 per 100.

VIOLETS **Campbell**, field-grown clumps, $3.00 per 100; 2½ in. pots, $2.50 per 100.

Clean, Healthy, A No. 1 stock. Cash with order, please.

E. J. CLOUD, L. B. 32, **Avondale, Pa.**

BABY PRIMROSES!

Out of 2½ in. pots, ready for 4 in., $2 per 100.

HENRY EICHHOLZ, Florist, Waynesboro, Pa.

Mention the Florists' Exchange when writing

CHINESE PRIMROSES Mixed, ready for 4 inch pots, per 100, $2 00.

ASPARAGUS SPRENGERI 2 inch, per 100, $4.00.

Fine Stock. CASH WITH ORDER.

M. & S. L. DYSINGER, 414 E. Porter St., Albion, Mich

Mention the Florists' Exchange when writing.

NEW LARGE LEAVED COLEUS

All select, grand, showy colors, $2.25 per 100. My beautiful collection of choice fancy Coleus, $1.25 per 100. **NEW ALTERNANTHERA**, Crimson Rug, dwarf, bright color all season, $1.75 per 100. All plants from soil. Freight prepaid.

DANIEL K. HERR, - - Lancaster, Pa.

Mention the Florists' Exchange when writing.

PRIMULA CHINENSIS

Large plants, 2½ inch pots, at $3.00 per 100.

PANSY PLANTS (Roemer's Giants), $5.00 per 1000 Yellow and White, separate. Would Exchange for Carnation plants.

EDWARD EGGERT, 42 Whiting St., New Britain, Ct.

Mention the Florists' Exchange when writing.

SNOWFLAKE New Everblooming Polyantha White Cluster Rose for Forcing.

It will be a coming pure white standard material for fine design work, also for 6-inch pans, button holes, etc. True and good, by no mistake, easy to raise, easy to propagate. Plants, 2 in. pots, doz. $2.50; 100, $1500. 3 in. pots, doz., $4.00; 100, $25.00. Rooted Cuttings, in moss, by mail, per 100, $10. **Asparagus Sprengeri**, 2 inch, per 100, $3 00. 3 inch, per 100, $4 00.

ALBERT KNAPPER, Frankford, **Phila., Pa.**

Mention the Florists' Exchange when writing.

EXPRESS PAID.

Cyclamen, for Christmas blooming, Giganteum or Persicum, extra fine, large, healthy plants, 3 in., ready for 4 in., $6 per 100; 200 for $10; 4 in., $8 per 100.

Chinese Primula, red, white and mixed, 2 in., $2.00 per 100; 300 for $5.00; 3 in., $3.00 per 100.

Geraniums, S. A. Nutt, Grant, La Favorite and Pink, large plants for stock, $5.00 per 100.

SAMUEL WHITTON, 15-17 Gray Ave., UTICA, N. Y.

Mention the Florists' Exchange when writing.

FOREST TREES

We offer for sale the largest stock of Forest Tree, in this country, Sugar, Norway, Sycamore, Silver Leaf and other Maples by the thousands. Also Lindens Poplars, Elms, Willows, Mt Ash, etc., in large quantities, as well as a general stock of other nursery products. Address

STEPHEN HOYT'S SONS, - New Canaan, Conn.

Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS...
and Novelties in Decorative Plants.
Market and 49th Sts., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

PRIMULAS!

Primula Forbesii (Baby Primrose), extra fine plants from 3 in. pots, ready for 4s and 5s, only $5.00 per 100.

Primula Chinensis, 6 vars., 2 in., $2.00 per 100.

Cineraria Hybrida Grandiflora, Michell's Giant Prize, 2 in., $2.50 per 100.

Heliotrope, dark, 3 inch, bushy, $3.00 per 100.

Vinca Variegata, field-grown, strong, $4 00 per 100.

MARS GERANIUM 3 in., stocky, $4.00 per 100.

Begonia Rex, 15 varieties, 3 inch, $5.00 per 100.

Flowering Begonias, 2 in., 15 vars., $2.50 per 100.

Cyperus Alternifolius, 3 in., fine, 5 to 8 stems, $5.00 per 100. Cash with order, please.

GEORGE J. HUGHES, Berlin, N. J.

Mention the Florists' Exchange when writing.

XXX STOCK For Immediate Shipment.

Cyclamen Persicum Splendens Giganteum, finest strain in the world, in 4 true colors, a splendid stock of plants, from 2½ in. pots, $5.00 per 100; $40.00 per 1000; from 3 in. pots, $7.00 per 100; $60.00 per 1000.

Chinese Primroses (fringed), single and double, in the finest market vars., from 2¼ in. pots, $2.50 per 100.

Rex Begonia (rooted cuttings). I have a most beautiful collection of this justly popular pot plant, in 25 very handsome varieties; assorted, $2.00 per 100; mixed, $1.50 per 100.

ALL STOCK GUARANTEED A No. 1.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

PRIMROSES IMPROVED CHINESE

The finest large-flowering fringed varieties grown; **Single** and **Double**, named, **$2.00 per 100**, out of 2½. Extras added. **XXX Strong** and **Fine**, out of 3½ inch pots, in choice assortment, **$5.00 per 100.** ☞ Strictly cash.

THE HOME OF PRIMROSES. **JOHN F. RUPP, Shiremanstown, Pa.**

Buffalo.

Market News.

In floral lines, we see a better supply of roses than a week ago. Asters have shortened up. The retailers are quite ready for Fall trade.

Palmer had an orchid display this week. Anderson dazzles the eyes of shoppers with a window vivid with salvia blooms. Adams' store is quite bower-like with a stock of palms. Rebestock still shows longiflorum blooms of good quality. Fall trade develops somewhat slowly. A fair wedding order is booked at Anderson's for Wednesday next.

Round About.

Wm. Scott and Sam. Smiley of Lancaster are on a two-weeks' jury service in the same court.

No frost has appeared as yet.

To see the progress of work at the Pan-American Exposition, one requires both ample time and staying qualities. The structural part of the leading buildings is well advanced. Some are partly roofed, and staff ornamentation and coverlag shows in finished form in many parts and places. Filigree work in embellishing is being adapted with a free hand, and which promises to add not a little to a finished effect. Some slopes and terraces are now planted with hardy foliage stock to fine effect. The aquatics generally are nicely established, and must be an early season success next year. The improved growing weather of the past six weeks has materially helped the deciduous plantings of this year.

VIDI.

FIELD-GROWN CARNATIONS

Glacier, Evanston, Jubilee, Armazindy, Daua, Meteor, Bridesmaid, Eldorado, Portia and Scott. All others sold. First, $5.00; No. 2, $3.00. Cash.

DANA R. HERRON, Olean, N. Y

Mention the Florists' Exchange when writing.

CARNATIONS FIELD-GROWN PLANTS

McGowan, Nivea, Boo Too, and others, $5.00 per 100.

S. LITTLEFIELD, North Abington, Mass.

Mention the Florists' Exchange when writing

30,000 FIELD-GROWN CARNATION PLANTS

Which must be sold at once. Stock clean, healthy, extra fine roots and guaranteed in every way. Low prices. Write immediately, stating what you need.

UNION ST. GREENHOUSE CO., Geneva, N. Y.

Mention the Florists' Exchange when writing.

10,000 CARNATIONS

	Per 100	Per 1000
Flora Hill	$4.00	$35.00
Wm. Scott	$3 to 3.50	$25 to 30.00
L. McGowan	2.50	20.00

C. HUMFELD, - Clay Center, Kansas.

Mention the Florists' Exchange when writing.

MARQUIS

CARNATIONS, Field-Grown.

$10.00, to close balance of stock.

L. E. MARQUISEE, - Syracuse, N. Y.

Mention the Florists' Exchange when writing.

SURPLUS CARNATIONS

Flora Hill, White Cloud, Triumph, Daybreak, $5.00 per 100. Crane, America, Melba, Bradt, $6.00 per 100. Cash with order.

W. SABRANSKY, - - Kenton, Ohio.

Mention the Florists' Exchange when writing.

20,000 EXTRA FINE

FIELD-GROWN CARNATIONS

Scott, Flora Hill, McGowan, Mrs. F. Joost, Mary Wood, New York, Ben Ten, Albertini, Thos. Cartledge, Argyle, Gold Nugget, Lily Dean, Leslie Paul, Ira Miller, Elsie Ferguson, at $8.00 per 100; $50.00 per 1000.

Melba, G. H. Crane, at $8.00 per 100.

EVENDEN BROS., - Williamsport, Pa.

Mention the Florists' Exchange when writing.

75,000 = FIELD-GROWN CARNATIONS = 75,000

	Per 100	Per 1000
G. H. Crane	$8.00	$75.00
America	8.00	75.00
Jubilee	7.00	60.00
Daybreak	5.00	40.00
Triumph	5.00	40.00
Goliath	8.00	75.00
Mrs. Bradt	8.00	75.00
Uncle Sam	$6.00	$50.00
Armazindy	5.00	40.00
Albertini	5.00	40.00
Tidal Wave	5.00	40.00
Victor	5.00	40.00
Flora Hill	5.00	40.00
White Cloud	7.00	60.00
Snow Queen	5.00	40.00

CHINESE PRIMROSE PLANTS, 2½ in.

	100	1000
Separate colors, semi-double,	$5.00	$40.00
Separate colors, single	4.00	35.00
All colors mixed	3.00	25.00

HYDRANGEA OTAKSA, Field-grown, $10.00, $12.00 and $15.00 per 100.

DRACAENA INDIVISA, Field-grown, $15.00 and $20.00 per 100.

HONEYSUCKLE HALLEANA, Field-grown. $8.00 per 100.

VINCA HARRISONI var.—

	100	1000
Field-grown	$5.00	$40.00
Green, field-grown	5.00	40.00

VIOLETS, Strong field-grown,

Marie Louise	5.00	40.00
Lady H. Campbell	5.00	40.00
California	5.00	40.00
Princess of Wales	6.00	50.00

TERMS, CASH OR REFERENCES.

S. ALFRED BAUER, Wholesale Florist, 1108 State Street, ERIE, PA

Mention the Florists' Exchange when writing.

FIELD-GROWN

CARNATIONS

DAYBREAK,

$4.50 per 100; $40.00 per 1000.

Scott, Portia, and McGowan,

$4.00 per 100; $35.00 per 1000.

THE BOOL FLORAL CO.,

ITHACA, N. Y.

Mention the Florists' Exchange when writing.

80,000 Fine, Large, Field-Grown

CARNATION PLANTS

Your money refunded if plants are not satisfactory.

Argyle, Jubilee, Scott, McGowan, Pingree, Evelina, Tidal Wave, $3.00 per 100; $25.00 per 1000.

Daybreak, Flora Hill, White Cloud, Armazindy, Bradt, Triumph, $4.00 per 100; $35.00 per 1000.

ROSE PLANTS.

Meteor, Bridesmaid, Bride — Large, strong plants, $2.50 per 100; $20.00 per 1000.

GEORGE REINBERG,

51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing

CARNATIONS. Field-grown plants.

GENEVIEVE LORD The Finest of all Commercial Pink Carnations. Fine plants. First size, $12.00 per 100; second size, $10.00 per 100.

	Per 100
Olympia	$15.00
J. Whitcomb Riley	12.00
Estelle	12.00
G. H. Crane	8.00
Daybreak	6.00
Flora Hill	5.00
Mayor Pingree	5.00
Armazindy	5.00
100 Wm. Scott	5.00
Seedling No. 30	8.00

No. 30 is a bright pink, very free Winter bloomer, averaging stems 2 to 3 feet.

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

New Varieties of

CARNATIONS

Grown from seed and named after my three grandchildren. We have grown these under ordinary culture for the past four years, and find them equal to any and far superior to many other varieties.

RUSSELL Clean, healthy, and the most vigorous and prolific we have ever grown or seen. We believe it is the best general purpose Carnation ever sent out. Grown side by side with Scott, it is far ahead of it in every respect, except size, which is about the same. It has never burst with us, when others in the same house have done so badly; it is a lively light-rose pink, distinct from anything we have ever seen; very fragrant. Where an abundance of good, fair sized blooms is wanted, it cannot be surpassed.

MILDRED A strong grower, with very long, strong stems. Flower very large, and a continuous bloomer. A fine shade of light, soft pink.

WILLIE Strong grower, with long, stiff stems. Flowers very large, of a bright shade of very dark rose pink. A continuous bloomer. We have more than we have room to house, and offer extra fine plants within reach of all. No. 1 plants, $1.50 per doz.; $6.00 per 100

CHAS. BLACK, Hightstown, N. J.

Mention the Florists' Exchange when writing.

20,000 CARNATIONS $25.00

1000 strong, healthy, field-grown plants of **Scott, McGowan** and **Portia.** Cash with order.

R. J. GARDNER, Bayside, L. I., N. Y.

Mention the Florists' Exchange when writing.

4 ACRES FIELD-GROWN CARNATION PLANTS--120,000

Our Carnations this year are very fine. They have been grown with the greatest care, free from disease, and are packed light by our improved method of packing, by which we can send to all parts of the United States, in perfect condition,

MAYOR PINGREE $1.50 per dozen; **BUTTERCUP** $5.00 per 100. **G. M. BRADT**

CRIMSON SPORT, ELDORADO, MELBA, ARMAZINDY, DAYBREAK $1.25 per dozen; **MAUD ADAMS, JUBILEE** $6.00 per 100. **WHITE CLOUD, TRIUMPH**

McGOWAN, METEOR, DOROTHY SWEET, MRS. FISHER, L. L. LAMBORN, FLORA HILL $1.00 per dozen; **ALBERTINI, C. A. DANA, SWEET BRIER** $5.00 per 100. **PORTIA, WM. SCOTT**

PANSY PLANTS Grown from extra choice seed, of our own production, and not surpassed in variety, size, beauty of coloring or freedom of bloom by any other grown. Price, 50cts. per 100; $4.00 per 1000.

Mention this paper. **J. L. DILLON, BLOOMSBURG, PA.**

FIELD-GROWN CARNATIONS

F. Hill, Scott, McGowan, Portia, Bridesmaid, Nivea, Eldorado, Gold Nugget, Morello, Jubilee, Armazindy, Meteor, Victor, Daybreak, Dana, Evanston, $3.50 and $5.00 per 100. CASH, PLEASE.

E. A. Llewellyn, Olean, N. Y.

Mention the Florists' Exchange when writing.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing.

Extra Fine Field-Grown

CARNATION PLANTS

Let us figure on your wants.

CHICAGO CARNATION CO., Joliet, Illinois.

Mention the Florists' Exchange when writing.

CARNATION PLANTS!

A few thousand **Scott, McGowan, E. Pierson,** first size plants, $3.00 per 100; $25.00 per 1000. A bargain for cash only.

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1000 **McGowan,** these are extra good, $2.50 per 100; 1000 **Scott,** 200 **Jubilee,** 100 **Bradt,** 500 **Portia,** $2.50 per 100; 300 **Flora Hill,** 150 **Daybreak,** at $3.00 per 100.

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...Wholesale Prices of Cut Flowers...

	Names and Varieties	New York Sept. 28, 1900	Boston Sept. 27, 1900	Philadelphia Sept. 27, 1900	Baltimore Sept. 18, 1900	Buffalo Sept. 26, 1900
	A. BEAUTY, fancy—special	15.00 to 20.00	16.00 to 20.00	20.00 to 25.00	.... to	.... to ....
Roses	" extra	8.00 to 10.00	8.00 to 12.50	12.50 to 20.00	.... to	20.00 to 25.00
Roses	" No. 1	3.00 to 6.00	4.00 to 6.00	9.00 to 15.00	.... to	15.00 to 20.00
Roses	" Culls & ordinary	1.00 to 2.00	1.00 to 3.00	5.00 to 8.00	3.00 to 6.00	5.00 to 10.00
Roses	Bride, 'Maid, fancy—spec'	3.00 to 4.00	.... to	4.00 to 6.00	.... to	.... to ....
Roses	" extra	2.00 to 3.00	.... to	2.00 to 4.00	.... to	4.00 to 6.00
Roses	" No. 1	1.00 to 2.00	3.00 to 4.00	.... to 3.00	3.00 to 4.00	2.00 to 4.00
Roses	" No. 2	.25 to .50	.50 to 2.00	1.00 to 2.00	.... to 2.00	.... to ....
Roses	K. A. Victorie	3.00 to 8.00	2.00 to 5.00	2.00 to 6.00	2.00 to 5.00	.... to ....
Roses	La France	1.00 to 3.00	.... to	2.00 to 6.00	2.00 to 4.00	.... to ....
Roses	Meteor	2.00 to 4.00	1.00 to 3.00	2.00 to 4.00	.... to	2.00 to 6.00
Roses	Papa Gontier	.... to	.... to	.... to	.... to	.... to ....
Roses	Perle	1.00 to 2.00	1.00 to 3.00	2.00 to 4.00	2.00 to 3.00	2.00 to 3.00
Roses	Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
	ORCHIDS—Cattleyas	.... to 25.00	.... to	25.00 to 50.00	.... to	.... to ....
	Cypripediume	.... to 12.00	.... to	.... to	.... to	.... to ....
	Dendrobium formoeum	12.00 to 15.00	.... to	.... to	.... to	.... to ....
Carnations	Inf'r gradee, all colors	.50 to .75	.50 to 1.00	.25 to .40	.50 to .75	.50 to .75
Carnations	STANDARD VARIETIES White	.50 to .75	.... to 1.00	.75 to 1.00	.... to	1.00 to 1.50
Carnations	STANDARD VARIETIES Pink	.50 to .75	.... to 1.00	.75 to 1.00	.... to	1.00 to 1.50
Carnations	STANDARD VARIETIES Red	.50 to .75	.... to 1.00	.75 to 1.00	.... to	1.00 to 1.50
Carnations	STANDARD VARIETIES Yel.&Var.	.50 to .75	.... to 1.00	.75 to 1.00	.... to	.... to ....
Carnations	*FANCY— White	.75 to 1.25	.... to 1.50	1.00 to 1.50	.... to	.... to ....
Carnations	*FANCY— Pink	.75 to 1.25	.... to 1.50	1.00 to 1.50	.... to	.... to ....
Carnations	*FANCY— Red	.75 to 1.25	.... to 1.50	1.00 to 1.50	.... to	.... to ....
Carnations	*FANCY— Yel.&Var.	.75 to 1.25	.... to 1.50	1.00 to 1.50	.... to	.... to ....
Carnations	NOVELTIES	.75 to 1.25	.... to 2.00	.... to	.... to	.... to ....
	ADIANTUM	.50 to .75	.50 to .75	.75 to 1.00	.... to 1.00	.75 to 1.25
	ASPARAGUS	35.00 to 40.00	.... to 50.00	35.00 to 50.00	25.00 to 75.00	30.00 to 60.00
	ASTERS	.50 to .60	.25 to .50	.50 to 1.00	.30 to .50	.50 to 1.00
	CALLAS	.... to	.... to	.... to	.... to 8.00	.... to ....
	CHRYSANTHEMUMS	2.00 to 6.00	.... to	.... to	.... to	.... to ....
	" Fancy	10.00 to 15.00	.... to	.... to	.... to	.... to ....
	DAISIES	.... to	.... to	.... to	.... to	.... to ....
	GLADIOLUS	.50 to 1.50	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	2.00 to 4.00
	IRIS	.... to	.... to	.... to	.... to	.... to ....
	LILIES	1.00 to 4.00	.... to	.... to	.... to	.... to 2.00
	LILY OF THE VALLEY	2.50 to 3.00	2.00 to 4.00	2.00 to 4.00	.... to	3.00 to 4.00
	MIGNONETTE—ordinary	.25 to 1.00	.50 to 1.00	.... to	.... to	.... to ....
	" fancy	.... to	.... to	.... to	.... to	.... to ....
	SMILAX	8.00 to 10.00	10.00 to 12.50	12.00 to 20.00	.... to	10.00 to 15.00
	SWEET PEAS	.... to	.... to	.... to	.... to	.... to ....
	TUBEROSES	.75 to 1.00	.... to	1.50 to 2.00	.... to 3.00	2.00 to 3.00

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned

BOSTON, MASS.
Asparagus Plumosus, Mignonette, Pink Pond Lilies, Brides, 'Maids, American Beauties
WELCH BROS.
PROPRIETORS
CITY HALL CUT FLOWER MARKET,
15 PROVINCE ST. — 9 CHAPMAN PL.
Kaiserins, Meteors, Carnots, Orchids, Valley, Carnations
Can furnish at short notice. Price according to quality of goods. Long Distance Telephone, 2161 and 2071.

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Send us a Trial Order and we will do the rest.
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...Wholesale Prices of Cut Flowers...

	Names and Varieties	Chicago Sept. 26, '00	St. Louis Sept. 26, '00	Cincinnati Sept. 25, '00	Milwaukee Sept. 22, '00	Pittsburg Sept. 23, '00	Toronto Sept. 19, '00
Roses	A. Beauty, fancy—special	20.00—25.00	———	20.00—25.00	20.00—25.00	25.00—30.00	———
	" extra	15.00—18.00	12.50—15.00	10.00—12.00	15.00—18.00	20.00—25.00	——20.00
	" No. 1	6.00—8.00	8.00—10.00	8.00—10.00	10.00—12.50	10.00—15.00	——15.00
	" Culls & ordinary	3.00—5.00	4.00—6.00	———	4.00—6.00	5.00—6.00	——5.00
	Bride, Maid, fancy-spec'l	———	——4.00	3.00—5.00	——6.00	7.00—8.00	———
	" extra	3.00—4.00	——3.00	——4.00	——4.00	4.00—6.00	1.00—6.00
	" No. 1	——2.00	——2.00	——3.00	3.00—4.00	2.50—3.50	1.00—6.00
	" No. 2	.75—1.00	——1.50	——2.00	——2.00	1.50—2.00	1.00—4.00
	K. A. Victoria	2.00—4.00	3.00—5.00	———	4.00—6.00	4.00—10.00	———
	La France	2.00—3.00	———	———	———	2.00—6.00	———
	Meteor	1.00—4.00	2.00—4.00	2.00—5.00	4.00—5.00	2.00—4.00	1.00—6.00
	Papa Gontier	———	———	———	———	———	———
	Perle	1.00—3.00	2.00—4.00	2.00—3.00	3.00—4.00	2.00—4.00	1.00—4.00
	Souv. de Wootton	———	———	———	———	———	1.00—6.00
	Orchids—Cattleyas	———	———	———	———	———	———
	Cypripedium	———	———	———	———	———	———
	Dendrobium formosum	———	———	———	———	———	———
Carnations	Inf'r grades, all colors	.50—.75	——.50	——.50	———	———	.30—.75
	Standard Varieties: White	.75—1.00	.75—1.00	.75—1.00	.50—1.00	.50—.75	1.00—2.00
	Standard Varieties: Pink	1.00—1.50	.75—1.00	.75—1.00	.50—1.00	.50—.75	1.00—2.00
	Standard Varieties: Red	1.00—1.50	.75—1.00	.50—.75	.50—1.00	.50—.75	1.00—2.00
	Standard Varieties: Yel. & Var.	1.00—1.50	.75—1.00	———	.50—1.00	.50—.75	1.00—2.00
	*Fancy—(The highest grades of standard var): White	———	1.25—1.50	———	———	1.00—1.25	———
	*Fancy—(The highest grades of standard var): Pink	———	1.25—1.50	———	———	1.00—1.25	———
	*Fancy—(The highest grades of standard var): Red	———	1.25—1.50	———	———	1.00—1.25	———
	*Fancy—(The highest grades of standard var): Yel. & Var.	———	1.25—1.50	———	———	1.00—1.25	———
	Novelties	———	———	———	———	———	———
	Adiantum	.75—1.00	——.75	——1.00	.75—1.00	.75—1.00	.40—.60
	Asparagus	50.00—60.00	———	——50.00	———	35.00—50.00	——50.00
	Asters	.50—1.25	.75—1.50	1.00—2.00	———	.50—2.00	.40—1.50
	Callas	———	———	———	———	———	———
	Daisies	.25—.35	———	———	———	———	———
	Gladiolus	2.00—3.00	———	———	———	2.00—4.00	1.50—4.00
	Iris	———	———	———	———	———	———
	Lilies	6.00—8.00	3.00—4.00	———	——15.00	———	5.00—7.00
	Lily of the Valley	3.00—5.00	———	——4.00	———	2.00—4.00	———
	Mignonette—ordinary	———	———	———	———	———	——.50
	Mignonette—fancy	———	———	———	———	———	———
	Smilax	———	——12.50	——15.00	——15.00	12.50—15.00	———
	Sweet Peas	———	———	———	———	———	.15—.40
	Tuberoses	3.00—4.00	3.00—4.00	2.00—3.00	———	2.00—5.00	———

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Anywhere in U. S. for
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Immediate Delivery. Write for particulars.
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CUT FERNS ..... .60 "
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AND
CYCAS
LEAVES

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Nephrolepis Bostoniensis (Boston Fern, true)..... 8c.
" Cordata Compacta (Dwarf Sword Fern). 6c.
" Exaltata (Sword Fern)..... 6c.
The above are fine stocky plants from 5 inch pots.
Nephrolepis Bostoniensis, from 2½ in. pots, $3 per 100.
" Cor. Compacta, from 2½ in. pots, $3 per 100.
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For pans, assorted, 2½ inch pots, $3.00 per 100. CASH.

Dracænas, field-grown, $10.00 per 100.
Asparagus Plumosus Nanus and **Sprengeri,** strong, 2½ in., per 100, $5.00.
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CHOICE FERNS IN FLATS.

100,000 at One Cent.

JOHN H. LEY, Good Hope, Washington, D. C.

Can supply very good, hardy plants, which, potted now, will fill a 2½ in. pot in a few weeks, best market sorts. Have sent by mail and express to every State and Canada, and have given universal satisfaction.

Sample 100 mailed, $1.25
1000, in 10 Sorts, by Express, $10.00.

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Asparagus Plumosus Nanus Stroog plants from 2½ in. pots, ready for a shift, $5.00 per 100.

Begonia Rex Fine stock in 3 in. pots, ready for a shift, in good assortment, $6.00 per 100.

Cyclamen Strong, bushy plants, in 2½ in. pots. Finest strain, three colors, $4.00 per 100.

Chinese Primroses Globosa type, best strain grown. Pink and red, 2½ in. pots, $2.50 per 100. White, pink and red, 3 in. pots, extra stroog, $5 00 per 100.

Baby Primrose Extra fine, from 2½ in. pots, ready for a shift $4.00 per 100.

Sweet Alyssum Giant white, extra fine for immediate planting, from 3 in. pots $3.00 per 100.

Vinca Major Variegata Very strong field-grown clumps with 6 to 10 long growths, $6.00 per 100.

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THESE plants have a long thrifty growth and are ready for a shift or immediate sale. They have been grown cool and can be safely shipped to any part of the country.

Boston Fern. From 2½ inch pots, $3.00 per 100; $25.00 per 1000. From 4 inch pots, $1.00 per doz., $8.00 per 100.

Asparagus Sprengeri. From 2½ inch pots, $2.50 per 100; $20.00 per 100. From 4 in. pots, $1.00 per doz., $8.00 per 100.

Asparagus P. Nanus. From 2½ inch pots, $4.00 per 100; $35.00 per 1000. From 4 in. pots, $1.00 per doz., $8.00 per 100.

New Hibiscus, Peachblow. From 2½ in. pots, $4 a 100.

Boston Ivy. (A. Veitchii.) Pot grown, $3.00 per 100; $25.00 per 100.

200,000 Roses. From 2½ inch pots, $2 50 per 100; $20.00 per 1000.
Golden Gate, Crimson Rambler, La France, Striped La France, White La France, Moscila, Kaiserin, Bride, Maid, Etoile de Lyon, Meteor, White Maman Cochet, Marechal Niel, Pink Maman Cochet, C. Soupert, Pink Soupert, The Queen, Moriel Graham, Burbank, Marie Van Houtte, Gen. Lee, Malmaison, Mrs. Degraw, P. Pere, Abel Chatenay, Carolina Marniesse, Yellow Rambler, Empress of China.

Cash With Order, Please.

THE JOHN A. DOYLE CO.

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Madison, N. J.

After a two months' adjournment over the heated period the Morris County Gardeners and Florists' Society, met again Wednesday, September 12. A spirit of intense self-satisfaction prevailed by reason of the honor that has come to the Society through the successful showing made by its members at the recent Convention in New York. A hearty vote of thanks was tendered to President Duckham, A. Herrington and C. H. Atkins, who were instrumental in winning the grand Society prize, which event will be fittingly celebrated at a subsequent meeting.

The secretary reported that the schedules had been printed and generally distributed. Details in connection with the show were discussed, and, among other things, it was decided to have a dance at the close of the exhibition, the new hall in Madison being magnificently adapted to an entertainment of that kind. Good music will be provided, and the management confidently expect to have the capacity of the hall fully taxed for this function, realizing therefrom a substantial increase in the proceeds. The show will be arranged with this objective, disposing the groups around the sides and the tables in the center, which latter can easily be removed the second evening.

A. Herrington spoke on "Horticultural Progress as shown by the S. A. F. O. H. Convention," and gave an interesting talk thereon. He thought that the recent exhibition in New York, taken collectively in its two sections, was the most complete exposition of horticulture, as an industry, that this or any other country had ever seen. In the trade section there was everything required in the business from a thumb-pot to a greenhouse on view, while the plant display could not be surpassed. In speaking of the horticultural section, he thought the success attending this feature of the Convention was a factor that the Society should give earnest consideration and foster in every possible way, for since the S. A. F. O. H. had shown a strong desire to enroll in its ranks all horticulturists, its annual exhibitions ought to be something more than a mere display of trade samples. The aim of all the producers in the trade was to create and stimulate larger demands among the private consumer or user, and the recent show successfully demonstrated a means to that end, truly progressive.

Another evideuce of progress in horticulture was the prominence given to vegetables. The strong competition in the vegetable classes more than justified the provision made for them, and the interest manifested in these exhibits by visitors was equal to that evinced in the plants and cut flowers.

Last but far from least, progress in aquatic horticulture as shown by the exhibits was a revelation to many and a happy augury for the future.

MADISONIAN.

Ottawa.

September 24, and coleus still all right; no frost yet to injure tender plants, something unusual for this locality.

Last week was Central Exhibition week here, and, although we had two wet days, the show was a great success. The horticultural exhibit was fully up to that of former years. C. Scrim captured the red ticket in the classes for ferns, caladiums, petunias, cannas, dracænas, abutilon, roses, carnations, cut cannas, and general collection of cut flowers. The Government House took first in the classes for palms, begonias, greenhouse plants, foliage plants, coleus (the finest I have ever seen), geraniums, etc. Graham Bros. were first for group for effect, table plants, etc. T. French took first for rose bouquet. J. McKenna was the judge on plants and J. Bennett on flowers; both from Montreal.

Owing to the open weather, Fall work around the greenhouses is well advanced. Crops are in good condition. Scrim is picking some good carnations; Evelina and Glacier are a sight with buds. Chrysanthemums are specially strong in growth.

Visitors.

J. Hay of Brockville and Mr. Johnson, of Kingston, just from Paris. E.

Bridgeport, Conn.

The work of razing the greenhouses formerly used by the West End Floral Company, at the corner of Fairfield and Clinton avenues, is under way, and will in all probability be completed before the end of many weeks. It is said that the land occupied by the houses will be cut up into building lots.

Oceanic, N. J.

The meeting of the Monmouth County Horticultural Society, on September 21, although not as well attended as usual, was a lively one. An application to this society for a private gardener for Washington, D. C., was read; also a communication from Buffalo. The exhibition committee reported that the Town Hall could not be secured on account of the election and other matters, and the Society decided to have a display of chrysanthemums, roses and carnations in their meeting room, Red Men's Hall, Oceanic, on November 9. This show will be free to the public.

It was also voted that the Society make an exhibit at the Pan-American Exposition. B.

400 DWARF SOLANUM

Or **Jerusalem Cherry,** out of field, ready for 4 or 5 inch pots, extra well berried, $8.00 per 100.

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ROSES, Meteor, Bride and Maid, strong, 3½ in. pots, $4.00 der 100.
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" Variegated, $8.00 per 100.
SMILAX, strong, 2 in., $1.50 per 100.
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REX BEGONIAS, $4.00 per 100.

AMPELOPSIS VEITCHII, 2½ inch pots, $3.00 per 100.

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2000 ENGLISH IVIES

Strong plants, from 4 in. pots. $15.00 per 100.

A No. 1 SCOTT CARNATIONS
$5.00 per 100.

SELAGINELLA
From 3½ inch pots, $5.00 per 100.

64 SASHES 3 feet by 6 feet, 7 inch by 9 inch glass, good for frames making a house 10 feet by 100 feet; $65.00 for the lot.

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10,000 Ivies 1 year from open ground.
10,000 Ampelopsis Veitchii, 1 year pot grown.
10,000 Hall's Honeysuckle, very strong.
5,000 Evergreen and Golden Honeysuckles.
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ARECA LUTESCENS Ready for pots, $2.00 per 100; $18.00 per 1000.
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PANDANUS VEITCHII Fine, large plants, in 8 inch pots, $2.00 each.
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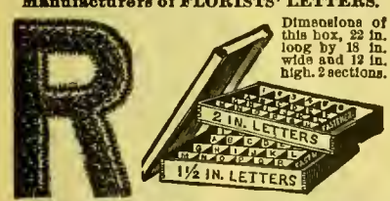
Manufacturers of FLORISTS' LETTERS.



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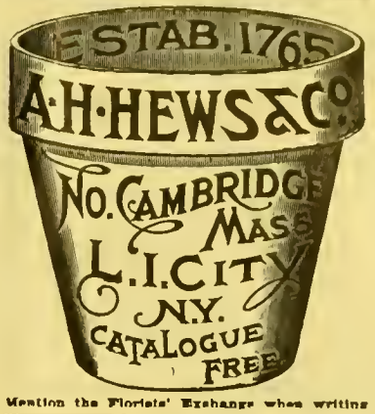

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1500 2 in. pots in crate,	$4.88	120 7 in. pots in crate,	$4.20
1500 2½ " "	5.25	60 8 " "	3.00
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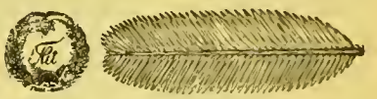

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6-12 inch	$0 40	24-30 inch	$0 85
12-18 "	55	30-36 "	1 20
18-24 "	70	36-42 "	1 50

42 inch and over, per 10, $2.40.



No. 7200 PALMS.

	Lvs.	Hgt.	Doz.	
7204	3	24in.	$2.10	Metal Wreaths,
7204a	3	36 "	3.60	
7200	5	36 "	5.40	From
7201	6	40 "	7.20	
7201a	10	40 "	ea 1.80	25 cents up.

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7206	9	7 ft.	$3.50	Palm Leaves,	100
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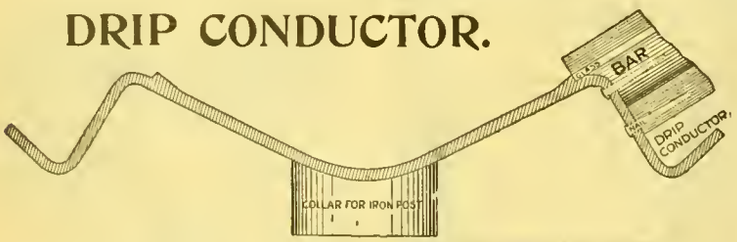

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Length of section, 5 feet; weight, 65 lbs.; carrying capacity, 4070 lbs.

This Gutter will save money in cost of construction as well as in rebuilding. Parties contemplating using iron gutters will do well to note the wording of Patent No. 616,781, issued to GEO. M. GARLAND, as published in previous issues.

Iron Plate and Drip Conductor for Outside Walls of Disconnected Houses.

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Green House Material

Hot Bed Sash. Red Cedar Posts.

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ANY LENGTH UP TO 32 FEET OR LONGER



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Baltimore.

Cut Flower Market.

The Hebrew New Year's Day gave quite an impetus to the cut flower and plant trade. Asters especially were in demand and sold out Saturday afternoon at good figures, realizing from 75c. to $1.50 a 100. The cold weather of the last two weeks has brought but few changes. Outdoor Cochet roses have improved somewhat. The retail trade is perceptibly picking up. Good carnations are still very scarce.

Club Meeting.

The last meeting of the club was well attended and a good deal of business transacted. On October 8 a dahlia show will be held in the club rooms. Messrs. R. Vincent, Jr., & Son are the promoters of the dahlia interest in this town and deserve much credit for it. They will make a large display of all the best old and new varieties, and especially of the fine Cactus dahlias. The Summer has been very hard on dahlias; with or without watering, they have not come up to expectations, and stem rot, attacking the base of the stems, has done much harm.

The parks, public squares and the private places are looking fine now, the lawns and beds having been much improved by the recent rains and cool weather. A Victoria regia, which has been wintered without any protection for two seasons, has been in bloom since July 1 in one of the pretty country places of the Green Spring Valley. Aquatics are gaining in favor with amateurs hereabouts.

Nurserymen report a brisk opening of the Fall season. Messrs. Corse & Sons are gradually transferring their nursery to their new place in Baltimore County.

T. E.

Brooklyn, N. Y.

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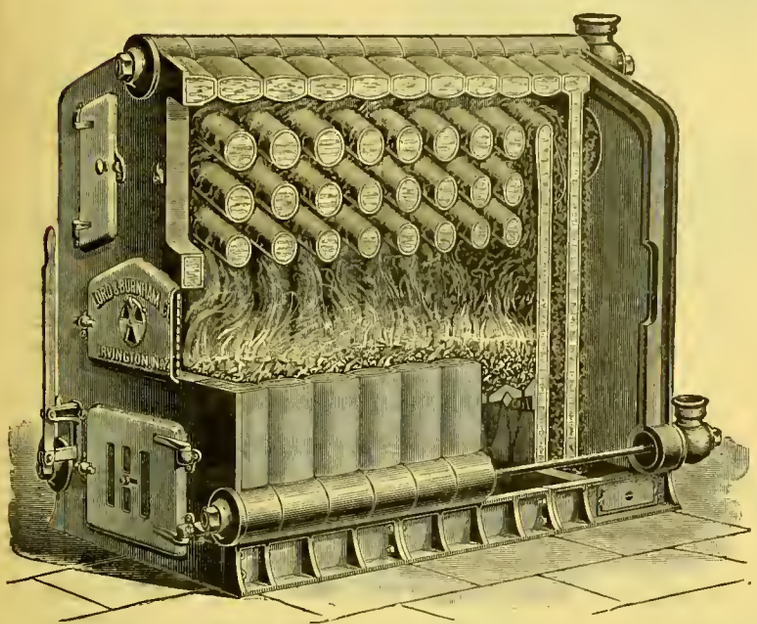

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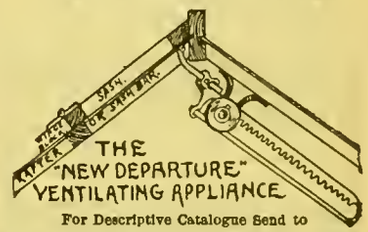

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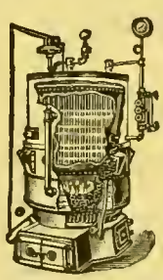

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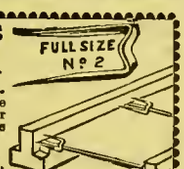

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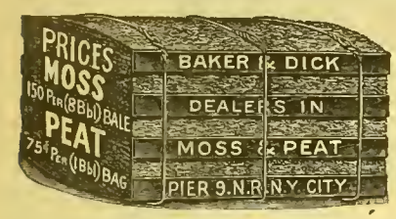

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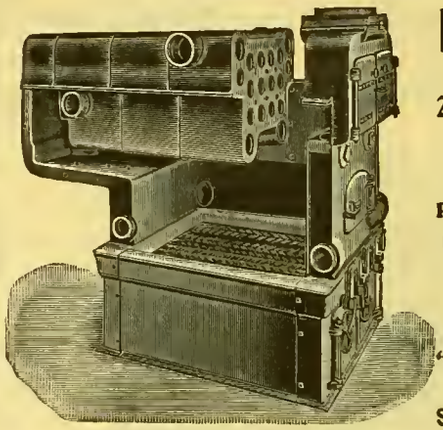

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3 in. pots, $2.50 per doz.; $25.00 per 100.
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7, 8 to 9 in. pots, 40, 45 to 50 in. high, $2.50, $3.00, $3.25, $4.00 each.

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5-7 Bermuda-Grown LONGIFLORUM

These bulbs are in splendid shape. We can offer them at **$14.00 per case.** 350 bulbs to the case.

WE ALSO HAVE A FINE STOCK OF

LILIUM HARRISII.

7-9 in. size is generally scarce, but we have a very fine stock of this size still on hand. These are a lot of bulbs that were left in the ground and dug late, and, in consequence, are in grand shape. Bulbs are plump, bright and clean, and are as fine a lot of Harrisii as any one would want to handle. We can supply these as long as unsold as follows:

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ORDER AT ONCE BEFORE WE ARE SOLD OUT.

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Extra quality bulbs, 12-15 ctm., in case lots, 2,100 bulbs to the case, **$16.00 per 1000.**

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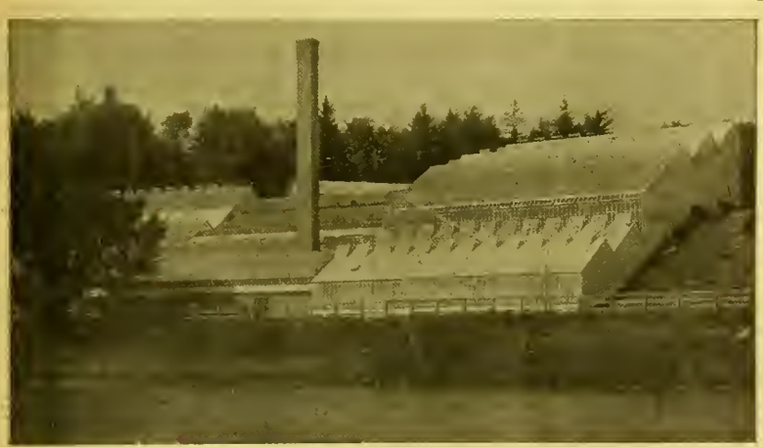

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Measuring 11 to 15 ctm., equal to 4½ to 6 inches around, $15.00 per 1000; Box of 2500 for $35.00; 4 boxes (10,000 bulbs), for $135.00.

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Large bulbs (1500 in case), **80 cts.** per 100; **$7.50** per 1000.

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" Red, all shades	4 25	41 00
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5-7	$0.40	$2.50	8-9.....	$0.90	$7.00
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VON SION, first size.....	$1 50	$14 00
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5 to 7 inch.....$20.00 per 1000 7 to 9 inch.....$50.00 per 1000
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EXTRA CHOICE

9 to 11 inch.....$18.00 per 100
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WHITE ROMAN HYACINTHS.

Red skinned	11 00
Named Hyacinths, in fine pot varieties	54 00

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6-8 inch	per 1000, $27 50
7-9 "	" 40 00

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BULBS NOW READY:
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SOUND STOCK—SIZES AND COUNT FULL AND OVER.

HYACINTHS.

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	.40	2.75	

TULIPS.

Extra fine, large bulbs, in florists' best assortment	.15	1.20	9.00
Belle Alliance		1.20	9.00
Duke von Tholl, scarlet	.10	.85	7.50
Keizerskroon	.15	1.25	10.50
La Reine	.15	1.20	10.00
Rose Grisdelin	.25	1.50	13.00
Yellow Prince, or Chrysolora	.25	1.30	11.00
La Candeur	.15	1.00	8.00
Murillo, etc., etc	.40	2.25	20.00
Single, very fine, mixed	.10	.75	6.00

NARCISSUS.

Paper White, True Grandiflora	.15	1.00	7.50
Paper White, True Grandiflora, XXX, special value	.20	1.20	9.00
Golden Sun, orange and yellow, finest forcer	.25	1.50	14.00
Trumpet Major	.20	1.00	8
Von Sion Daffodil, XXX, dbl. nosed	.25	1.85	17
" " XX, select bulbs	.20	1.50	14
" " X, very fine bulbs	.15	1.20	10

CHINESE Sacred Lilies Mammoth. Same brand we have imported for 18 years
Original basket, 30 bulbs..... $1.50.
Mat, 4 baskets, 120 bulbs..... 5.50.

CALLA California-grown. Only left Size 1¼-1½ in. diam., 100, $3.50; 1000, $30.0

FREESIA Refracta Alba, ¾-¾ in., 100, 50 cts.; 1000, $4.0

LEICHTLINI, pure yellow, 100, $1.00; 1000, $8.0

Cyclamen Persicum Giganteum bulbs Monster flowers; pure white, rose, crimson, white with red eye, rose with red eye, per doz., $1.20; per 100. $8.00.

LILIUM HARRISII 5-7, per 12, 60c.; 100, $4.00 7-9, " $1.25; " 8.50

H. H. BERGER & CO. (ESTABLISHED

Mention the Florists'

LILIUM LONGIFLORUM

	Ready Now. 12	100	1000
5-7	$0.40	$2.50	$20.00
6-8	.50	3 50	30.00
7-9	.75	5 50	50.00
9-10	1.25	8 50	80.00

25 at 100 rates; 250 at 1000 rates.

SEEDS Crop of 1900, Kentia Belmoreana or Forsteriana, 1000, $4; 10,000, $35; single 100, postpaid, 75c. **Asparagus Sprengeri**, 100, 50c.; 1000, $4. **Smilax Seed**, pkt. 10c.; oz., 50c.; lb., $2.50. **Pansy Seed**, superb mixture of Giant Exhibition strain, 1000 seeds, 25c.; 5000, $1. Same price separate, Bugnot, Cassier, Odier, Trimardeau, or any color. **Stocks**, Ten Weeks, Cut and Come Again, in white, fine distinct, rose, crimson, blue, trade pkt., 25c.

5 Per Cent. Cash Discount on List.



LILIUM HARRISII

Early Roman Hyacinths

Special prices on application.

Sure Crop Mushroom Spawn NEW CROP, $8 per 100 lbs.

WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., NEW YORK.

Mention the Florists' Exchange when writing.



PALM SEEDS

Fresh on Hand.

	Per 100	1000
Chamærops Excelsa (in 10 lb. lots at 30c.) per lb., 40c.		
Washingtonia Robusta " 75c.		
Erythea Edulis (Brahea Edolis)	.50c.	$4.00 $35.00
Phœnix Canariensis	50c.	2.00
Phœnix Reclinata	25c.	$2.00 8.75

GERMAIN SEED & PLANT CO., Los Angeles, Cal.

Mention the Florists' Exchange when writing.

High-Grade BULBS

for Forcing and Out-of-door Planting.

Our 1900 Wholesale and Retail Catalogues on application.

JAMES VICK'S SONS,

ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

DANISH CAULIFLOWER SEED

Early Dwarf Danish Snowstorm. Selected by the leading grower of Denmark, during a quarter century. Always uniform; fine, large white heads, the acme of perfection. One quality only—the best. **$15.00 a lb.** Orders booked now for November delivery.

A. E. WOHLERT, Importer, ALTOONA, PA.

Mention the Florists' Exchange when writing.

M SEEDS!

re, 25 new, large flowering
per oz.; ¼ lb., $20.00.
lendid Mixed, 25c. per $8.00.
hite, Pink, Souv. de
seeds.
Crimson, Fleur de
seeds.
arlet, with white eye,
d, $7.00 per lb.
red (new), 25 seeds, 50c.
r pkt.; Gold and Silver,
s.
, $3.00 per 1000 seeds; $25.00
r oz.; $2.00 per lb.
TRADE LIST.
A. B. SHEPHERD,
he-Sen, Calif.
Exchange when writing.

HELLER'S MICE PROOF SEED CASES.

SEND FOR CATALOGUE.
HELLER & CO., Montclair, N.J., U.S.A.

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SOUTHERN NATURAL PEACH PITS

FOR several years past we have given special attention to the procuring of **Southern Natural Peach Pits,** selected from original seedling trees in the mountains of Tennessee and North Carolina, which are entirely free from yellows or disease, guaranteed to give good stands and make much stronger and healthier trees than those from any other section. These pits, being very small in size, contain more than double the number to the bushel We have for many years annually supplied a majority of the best Nurserymen and Peach Growers in the United States. Samples and prices on application.

JOHNSON & STOKES, Seedsmen, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.



AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Cincinnati, O., President; F. W. BOLGIANO, First Vice-President; S. G. COURTEEN, Milwaukee, Wis., Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

New York.—S. B. Dicks, of Cooper, Taber & Co., London, paid a flying visit to New York on Thursday, for the purpose of consulting the Customs authorities respecting the re-appraisement of imported seeds.

George Cooper, son of F. Cooper, a seedsman, of Wellington, New Zealand, will probably visit America shortly on a business trip. He left Wellington about September 4.

Exports of Seeds.—Seeds were exported during 1895-1899 to the average annual value of $3,700,743. The shipments were marketed chiefly in the United Kingdom, Canada, Germany, and the Netherlands. The United Kingdom took 36 per cent. of the total, Canada 20 per cent., Germany 18 per cent., and the Netherlands 14 per cent. To Belgium we sent 5.9 per cent., to France 1.5 per cent., to British Australasia 1.3 per cent., and to Denmark 1.1 per cent.

European Notes.

Climatic conditions continue favorable for a healthy development of plants for 1901 crops. The early frost is still an absentee, and while the nights are cool, the days are bright and moderately warm, and the outlook is decidedly more hopeful. The autumnal mists, morning and evening, somewhat hinder the threshing of this season's crops, about which the only fresh thing that can be said is that the worst has not been told.

As regards flower seeds, the latest reports from Italy are quite as unfavorable as those from Northern Europe. Carnations, aquilegias, pansies, centaureas, resedas and stocks are nearly a failure. On the other hand, asters, dahlias, salvias, celosias torenias, verbenas, and most of the climbers will yield a relatively good crop.

The failure of the onion crop for the third year in succession (for our plantations have only yielded one-fourth of what was expected), is so disheartening that everyone here loses the humor to plant onions again for seed. On the other hand, the crops of sweet corn and dwarf French beans in the Campagna are good. Lower down, in the more southern parts of Italy even, these items have failed.

Of novelties in flower seeds from this quarter M. Herb will introduce, among others, the following:

Amaranthus bicolor, a variety with bright sulphur-yellow leaves; Heliotropium giganteum nanum regale, a dwarf growing giant-flowered variety of the Regina Margherita type; Commelina sellowiana, with fine rosy-colored flowers, and three excellent varieties of Salvia splendens, viz., gigantea, atrosanguinea, and grandiflora compacta.

Damman & Co., who have paid much attention of late to gazanias, and have introduced some very lovely hybrids, have for this season a beautiful bright, clear yellow variety, very floriferous, quite distinct in color and does not close up so early as the older kinds. It is a really beautiful novelty, and deserves to be widely circulated.

The German lists of novelties are already in the hands of your readers; the most valuable of them have privately been mentioned in these notes.

EUROPEAN SEEDS.

Dahlias at American Institute Show.

Editor Florists' Exchange.

We wish to call your attention to an error that appears in your account of the dahlia exhibition recently held in conjunction with the American Institute Show. The dahlias exhibited by us were exhibited for exhibition purposes only, and were not offered in competition for any of the prizes. We did exhibit three new ones—Magnificent, Salmon Queen and Harlequin, which we are to introduce in 1901, before the American Dahlia Society, and received certificates on the two latter-named sorts.

W. ATLEE BURPEE & Co.

[There was nothing to indicate that the dahlias were staged for exhibition only, hence the natural error complained of.—ED.]

CATALOGUES RECEIVED.

WEBSTER BROS., Hamilton, Ont.—Trade Price List of Florists' Fall Stock, Hardy Perennials, Hardy Shrubs, etc.

W. W. BARNARD & Co., Chicago.—Wholesale List of Bulbs, Seeds, and Sundries for Florists. Illustrated.

HENRY A. DREER, Philadelphia.—Autumn Catalogue of Bulbs, Plants, Seeds, etc. Illustrated.

A. B. DAVIS & SON, Purcellville, Va.—Wholesale Price List of Dahlias, embracing all the novelties.

FRED'K W. KELSEY, New York.—Illustrated Catalogue of Choice Hardy Trees, Shrubs, Roses, Herbaceous Plants, Bulbs, etc., for Fall Planting.

BARR & SONS, London, England.—Catalogue of Gold Medal Daffodils; also catalogue of Hyacinths, Tulips, Gladioli, Narcissi, etc. Both illustrated.

BOBBINK & ATKINS, Rutherford, N. J.—Catalogue of Bulbs, Azaleas, Rhododendrons, Palms, Ferns, etc.

CLUCAS & BODDINGTON Co., New York.—Wholesale Catalogue of Seeds, Bulbs, Plants, for Fall Planting. Illustrated.

H. T. HARMON & Co., Portland, Me.—Catalogue of Bulbs and Seeds, Agricultural Implements, Garden Accessories, etc.

E. H. HUNT, Chicago.—Wholesale catalogue of Plants, Seeds, Florists' Supplies, etc. Profusely illustrated.

HARLAN P. KELSEY, Boston, Mass.—Catalogue of Hardy American Plants and Carolina Mountain Flowers.

H. G. FAUST & Co., Philadelphia.—Wholesale Bulb List, Autumn, 1900.

DAVID B. WOODBURY, South Paris, Me.—Trade List of Pansy Seeds.

E. H. HUNT, Chicago, Ill.—Fall List of Palms and Ferns, including new fern Nephrolepis Wittboldii. Illustrated.

ELLWANGER & BARRY, Rochester, N. Y.—Catalogue of Holland Bulbs, Roses, and Specialties for Fall Planting, 1900. Illustrated.

A. TILTON & SON, Cleveland, O.—Trade List of Bulbs for Fall Planting.

RENNIE & PINO, Providence, R. I.—Catalogue of Winter and Spring Flowering Bulbs, Supplies, etc.

J. L. SCHILLER, New York.—Catalogue of Bulbs for Winter and Spring Blooming. Illustrated.

J. HAY & SONS, Brockville, Ont.—Catalogue of Bulbs for Winter and Spring Flowering.

F. R. PIERSON Co., Tarrytown, N. Y.—Choice selections in Winter Forcing Bulbs, Azaleas, and other Plants. Illustrated.

AUGUST ROLKER & SONS 52, Dey Street, New York.—Wholesale Price List of Florists' Supplies. Very complete with many novelties. Illustrated. This firm received honorable mention at the New York Convention of the S. A. F. O. H., for a fine collection of ferns and foliage plants.

THE HERENDEEN MANUFACTURING Co., Geneva, N. Y.—Illustrated Catalogue of New Model Furman Boilers. These boilers have been especially designed for greenhouse heating. Also Fitters' Handbook and Price List, which contains much useful information on the subject of greenhouse heating, tables of dimensions, etc. Sent free to florists on application to the Herendeen Co.

PRIVET

	100	1000
18 to 24 in	$2.50	$22.50
2 to 3 ft	3.50	30.00
3 to 4 ft	5.50	50.00
	100	1000
Hydrangea P. G., 2 to 3 ft.	$7.00	$ 70.00
" " 3 to 4 ft.	10.00	100.00
Clematis Paniculata, No. 1,	7.50	70.00
" " Extra,	9.00	80.00
Ampelopsis Veitchii, No. 1	6.00	50.00
" " Extra,	8.00	75.00

Hardy Herbaceous Plants, in large variety.

Crimson, Yellow, White and Pink Ramblers.

SEND FOR WHOLESALE LIST.

ELIZABETH NURSERY COMPANY,

ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

CLEARY & CO.,

Horticultural Auctioneers,

60 Vesey St., NEW YORK.

Mention the Florists' Exchange when writing.

600 FINE SMILAX PLANTS

2½ Inch Pots, $2.00 per 100.

CASH WITH ORDER.

WM. KEIR, - Pikesville, Md.

Mention the Florists' Exchange when writing.

MAKE MONEY

BY SECURING SOME OF THESE

BARGAINS.

$100.00 worth of Electrotypes for $40.00 many of them have never been used. Cost $120.00.

40,000 Cane Stakes, 5 to 8 feet; the lot for $80.00.

5000 Austria Canna Roots, will sell for November delivery, at 10 cts. per bunch, 15 to 25 eyes to bunch; not less 50 bunches at this price.

1000 or more Seedling Canna Roots, some of these are very odd and will prove valuable, $50.00 for the lot.

Bargains in Palms, Tea Olive, Asparagus.

WRITE FOR PRICES.

C. S. TAIT, Brunswick, Ga.

Mention the Florists' Exchange when writing.

HENDERSON'S SUPERIOR BULBS



Largest Stock. Largest Variety.

Lowest Prices

Consistent with Superior Quality.

Our Wholesale Bulb Catalogue For FLORISTS ONLY,

MAILED ON APPLICATION.

HENDERSON'S SUPERIOR WHITE ROMAN HYACINTH BULBS. First Size, 12 to 15 ctm., $17.50 per 1000; Extra Size, 13 to 15 ctm., $20.00 per 1000.

HENDERSON'S SUPERIOR LILIUM HARRISII BULBS. First Size, 5 to 7 inch, $42.00 per 1000; Extra Size, 7 to 9 inch, $90.00 per 1000.

"I get more spikes of 'firsts' from your strain of White Romans than from any I ever grew before." A. S. WALLACE (Florist), Montclair, N. J.



"The Bermuda Easter Lily Bulbs I got from you (P. H. & Co.) are grand. In fact, every person who has seen them says they are the best ever seen in this part of the country; they are practically free from 'disease.'" LAWRENCE COTTER (Florist), Dorchester, Mass.

PETER HENDERSON & CO.

35 and 37 Cortlandt Street, NEW YORK.

Mention the Florists' Exchange when writing.

25,000 LOW BUDDED ROSES (American) on Manetti, best forcing kinds, $8.50 to $15.00 per 100, including CRIMSON RAMBLER.

CALIFORNIA PRIVET 2 year, 3 to 4 feet, $40.00 per 1000. Smaller sizes, both in 1 year and 2 year plants.

HYORANGEA P. G. 2 to 3 feet, $3.00 per 100. My assortment of Hardy Nursery stock is very complete. Catalogue upon application.

HIRAM T. JONES, Union County Nurseries, **Elizabeth, N. J.**

Mention the Florists' Exchange when writing.

PÆONIES Choice collection of ten varieties, from pure white to crimson. Indispensable to the florist for Decoration Day. Doz., $1.50; $10.00 per 100.

CLEMATIS, large-flowering, also Paniculata; a large stock, two-year, 20 varieties. Doz., $2.00; $16.00 per 100. Paniculata, field-grown, $6 00 per 100.

JOSSELYN, or Red Jacket Gooseberry, the best all-round Gooseberry out, always loaded with its great crimson berries in season. One year, $4.00 per 100; $35.00 per 1000.

F. A. BALLER, Bloomington, Ill.

Mention the Florists' Exchange when writing.

IRISH JUNIPER

12 to 15 inches	100, $5.00	1000, $40 00
15 to 18 "	" 7.00	" 50 00
18 to 24 "	" 10 00	" 75.00
24 to 36 "	" 12 00.	
36 to 48 "	" 15.00.	

Juniperus Compacta, new dwarf, 12 inch, 50c. each; $5 00 per dozen. Rooted cuttings of Irish Juniper ready in May, 1901. $20.00 per 1000.

JOSEPH HEINL, Jacksonville, Ill.

Mention the Florists' Exchange when writing.

KOSTER & CO.

Hollandia Nurseries, - BOSKOOP, HOLLAND

Hardy Azaleas, Box Trees, Clematis, Coniferes, Hydrangeas, Pæonies, Pot-grown plants for forcing, Rhododendrons, H. P. Roses, etc.

No Agents. Catalogue free on demand. No Agents.

Mention the Florists' Exchange when writing

PARSLEY

Large field-grown clumps, 75c. per 100; $5.00 per 1000. Smaller plants, $1 00 per 1000.

SAGE, extra large clumps, $2.00 per 100.

THYME, fine clumps, $2.00 per 100.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

CHOICE SHRUBBERY

At lowest surplus prices. All first-class transplanted stock. Also Evergreens and Shade Trees, cheap.

E. S. Peterson & Sons, Box 17, Montrose, N.Y.

Mention the Florists' Exchange when writing.

RHODODENDRON MAXIMUM.

Collected plants, shapely and well rooted.

12 inch Rhododendron,		per 100	$18.00
18 "	"	"	20.00
24 "	"	"	25,00
36 "	"	"	50.00
36 "	" extra choice	"	35.00
4 to 5 feet	"	" per 100	$50.00 to 70.00

We ship only extra good plants with good roots.

A. E. WOHLERT, ALTOONA, PA.

Mention the Florists' Exchange when writing.

Yucca Filamentosa

Fine, large plants, $10.00 per 100.

SAMUEL C. MOON, Morrisville, Pa.

BUCKS CO.

Mention the Florists' Exchange when writing.

AMERICAN TREE SEEDS.

Our Descriptive Catalog of American seeds is just out.

Ask for it and secure trade discount on advance orders.

Our Folder, "How to Make Tree Seeds Grow," free with every order.

PINEHURST NURSERIES, Pinehurst, N.C.

Otto Katzenstein, Mgr.

Mention the Florists' Exchange when writing.

FRUIT and ORNAMENTAL TREES, Shrubs, Vines and Roses

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., Geneva, N. Y.

Mention the Florists' Exchange when writing.

200,000 Peach Trees

This stock is thrifty and healthy. All grown from Tennessee pits. No better Peach stock to be had.

Address

STEPHEN HOYT'S SONS, New Canaan, Conn.

Mention the Florists' Exchange when writing.

HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 Crowns.

Otaksa, Red-Branched, Thos. Hogg,

Price, $10.00 per 100; $85.00 per 1000.

Send for our wholesale Price List of Roses, Clematis, Shrubs, Trees, etc., etc.

Our representative, Mr. J. Austin Shaw, is now in New England, and we should be pleased to have him call upon prospective purchasers of any stock in our line.

JACKSON & PERKINS CO., Newark, New York

Mention the Florists' Exchange when writing.

100,000 VINES

AMPELOPSIS QUINQUEFOLIA, X strong, field-grown, 2 and 3 years, $5 00 per 100; $10.00 per 1000

AMPELOPSIS VEITCHII, strong, 2 year, field-grown, $5.00 per 100; $15.00 per 1000. Strong, 3 years, from 4 in. pots, $8.00 per 100.

CLEMATIS PANICULATA, strong, field-grown, 1 year, $3.50 per 100; $25.00 per 1000. 2 years, $5.00 per 100; $40.00 per 1000. 3 years, $8.00 per 100; $75.00 per 1000.

CLEMATIS FLAMMULA, X strong, 3 years, $6.00 per 100.

EUONYMUS RADICANS VARIEGATA, strong, 2 and 3 years, $6.00 per 100; $50.00 per 1000.

IVY, ENGLISH, strong, 1 year, field-grown, 2 to 3 ft., $5.00 per 100; $40.00 per 1000. Strong, 1 year, from 4 in. pots, $8.00 per 100; $70.00 per 1000.

HONEYSUCKLE, HALL'S JAPAN, strong, 2 years, field-grown, $5.00 per 100; $40.00 per 1000. X strong, 3 years, field-grown, $6 per 100; $50 per 1000. Samples sent on application. Address

Mount Airy Nurseries, 7356 Germantown Ave., **Phila., Pa.**

THADDEUS N. YATES, Proprietor.

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM,
PÆONIES, BLEEDING HEART,
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing.

SURPLUS SHADE TREES

		Feet.	f.o.b.
100 Norway Maple	10 to 12,	ca.	30c.
100 Sugar "	10 to 12,	"	30c.
100 Sycamore "	10 to 12,	"	25c.
100 Silver "	10 to 12,	"	16c.
100 Carolina Poplar	10 to 12,	"	15c.
100 Lombardy "	10 to 12,	"	15c.

Handsome trees, good enough for any purpose. Other sizes also.

W. P. BRINTON, - Christiana, Pa.

Mention the Florists' Exchange when writing.

SURPLUS FOR SPRING 1900

Can yet do **PEACHES** and **JAPAN PLUMS** to limited quantity; also **MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY STRAWBERRIES** from best leading varieties. Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.

ALEX. PULLEN, PROPRIETOR.

Mention the Florists' Exchange when writing.

VEGETABLE PLANTS

CABBAGE H. Succession, Flat Dutch, Jersey and Charleston Wakefield, 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

LETTUCE Grand Rapids, Curled Simpson, Boston Market and other varieties, 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

PARSLEY Good curled extra strong, 25c. per 100; $1.50 per 1000.

CAULIFLOWER H. Snowball, 35c. per 100; $2.50 per 1000.

If wanted by mail, add 10c. per 100 on Cabbage, Lettuce and Cauliflower 25c. per 100 on Parsley. Cash with order

R. VINCENT, JR. & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

F. & F. NURSERIES **SPRINGFIELD, NEW JERSEY.**

Wholesale Growers. **TREES AND PLANTS** in full assortment. **Trade Catalogue Free.**

Mention the Florists' Exchange when writing



I HAVE 25,000 SHADE TREES—SUGAR, NORWAY, SYCAMORE, ASH-LEAVED and SCARLET MAPLES, 1½ to 3 inch diameter. ELMS, 12 to 16 ft. 2000 WHITE BIRCH and PURPLE BEECH, 5 to 10 ft. EVERGREENS, all kinds and sizes. 2000 COLORADO BLUE SPRUCE and RETINOSPORA AUREA, 3 to 5 ft. 2000 HYDRANGEA PANICULATA GRANDIFLORA, extra sizes. Plenty CRIMSON RAMBLER and other ROSES, extra strong. 20,000 CALIFORNIA PRIVET, 2 to 5 ft. FRUIT TREES, all kinds, many in bearing sizes. RHODODENDRONS and AZALEAS, extra strong, 2 to 3 ft. Also 1000 SILVER LEAVED MAPLES, 12 to 16 feet.

Florists, landscape men and others wanting stock should call or write

STEPHEN CRANE, Prop'r. Norwich Nurseries, NORWICH, CONN.

Mention the Florists' Exchange when writing.

ANDORRA NURSERIES

Red and Pin Oaks, 10 to 14 feet
Hemlocks, 4 to 6 feet

TRANSPLANTED SPECIMEN TREES.

WILLIAM WARNER HARPER, Prop., Chestnut Hill, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

HALF-MILLION FLOWERING SHRUBS

Leading popular varieties, ranging from 1 to 3 feet in height, and 1 to 4 years in age. Adapted to all locations.

50,000 LARGE FLOWERING SHRUBS, from 4 to 7 feet, bushy, symmetrical, fine and thrifty, excellent for new plantings where immediate effect is desired.

BARGAINS in these by the quantity, as land must be cleared.

NURSERIES { 30 Miles from Phila. / 60 Miles from N. Y.

THE WM. H. MOON CO., Morrisville, Pa.

Philadelphia Office: 702 Stephen Girard Building.

Mention the Florists' Exchange when writing.

TREES Fruit Trees, Small Fruits, including grapes. Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. **Rochester, N. Y.**

Mention the Florists' Exchange when writing.

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN.

THEODORE J. SMITH, Geneva, N. Y., President; N. W. HALE, Knoxville, Tenn., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

Regulations of Foreign Governments Regarding Importation of American Plants, Trees and Fruits.

The United States Department of Agriculture, Division of Entomology, has issued the following information:

The Department of Agriculture has for some time been collecting, with the assistance of the Department of State, the full texts of the regulations of those foreign governments which have, through fear of the introduction of San José scale, adopted measures prohibiting the importation of American plants and fruits or requiring inspection before admission. The series is not yet perfectly complete, but, in view of the Fall trade, it has been deemed wise to issue a brief digest of those on hand, in circular form, for the information of American exporters of this class of articles. The digests have been made with care, and it is hoped that they will be of some assistance.

AUSTRIA-HUNGARY.

Prohibits (decree of April 20, 1898) importation from America of living plants, grafts and layers, and fresh plant refuse of every kind, as well as the barrels, boxes, and other coverings in which such goods or refuse may be packed, and fresh fruit and the refuse of fresh fruit, as well as the packings which may cover the same, when examination on frontier shall prove presence of San José scale. Admission limited to Bodenbach-Tetschen, Trieste and Fiume. Also prohibits transit of such goods through the empire.

BELGIUM.

Importation and transit of fresh fruits, living plants, and fresh parts of plants sent from the United States can take place only by ports of Antwerp, Ghent, and Ostende, upon production of a certificate from competent authority attesting that products are not contaminated by San José scale. If not accompanied by certificate, products can not be delivered until inspected, and, if not exempt, must be destroyed with packings; cost of all service at expense of importer. Order goes into effect March 15, 1899. Does not apply to shipments in direct transit by railway under supervision of customs authorities.

BRITISH COLUMBIA.

Rules and regulations, published June 25, 1897 (under authority of "Horticultural Board Act, 1894"), provide that all importers of nursery stock, trees, plants, or fruit must give notice upon arrival, and before removal from wharf or station, to a member of the board or to the inspector of fruit pests, who shall inspect the same and, if clean, issue a certificate which shall be good for three months, unless revoked by further inspection. Nursery stock found to be infected shall be disinfected or destroyed. Fruit found to be infected shall be destroyed or reshipped.

CANADA.

Prohibits (San José scale act, 18th of March, 1898) importations of nursery stock from United States, Australia, Japan, and Hawaii. Stock so imported to be destroyed and importer liable to penalty prescribed by section 6 of customs tariff ($200 for each offense).

Exempts:

1. Greenhouse plants with the exception of roses. (Amended April 25, 1900, by striking out the words "with the exception of roses" after words "Greenhouse plants.")
2. Herbaceous perennials.
3. Herbaceous bedding plants.
4. All conifers.
5. Bulbs and tubers.

Amended (April 7, 1900): So as to authorize importations from April 7 to May 15, through customs ports of St. John, N. B.; St. Johns, Quebec, Niagara Falls and Windsor, Ontario and Winnipeg, Manitoba, only, where they will be thoroughly fumigated with hydrocyanic-acid gas.

CAPE OF GOOD HOPE.

Regulations published March 25, 1896, under authority of act No. 9, dated 1876, prohibits importation of any stone-fruit

FOR GREAT CASH BARGAINS IN BULBS

See my adv. in FLORISTS' EXCHANGE of September 29th.

Just received 100 MONSTER BULBS, HARRISII, 11 inches and up. Dandies for retail trade.

C. H. JOOSTEN, Importer, **85 Dey St., New York.**

Mention the Florists Exchange when writing

tree, or any fruit, scion, cutting, graft root, or seed, the growth or produce, thereof, from the United States, and any one importing such article as aforesaid shall be subject to a fine not exceeding £100 sterling or six months' imprisonment, and, in addition, the articles will be destroyed.

Note—Consul-General Stowe states (February 7, 1900) that proposal is under consideration to relax above as regards States where neither, "peach yellows" nor "peach rosette" exists.

FRANCE.

Prohibits (decree of November 30, 1898) entry into and passing through France of trees, shrubs, products of nurseries, cuttings, and all other plants or parts of living plants, as well as fresh débris from them, from United States, directly or in storage, as well as cases, sacks, etc., used for packing. Also prohibits fresh fruit and débris, when examination proves presence of insect, at entry into France.

GERMANY.

Prohibits (decree of February 5, 1898) importation of living plants and parts of living plants from America, and barrels, boxes, etc., used for packing. Also fresh fruit or fresh parts of fruit when examination at port of entry shows presence of San Jose scale. Imperial Chancellor authorized to grant exceptions.

Amended (commercial agreement of July 10, 1900) by annulling regulation providing that dried or evaporated fruits from United States be inspected. Such fruits are now admitted without other charge than customs duties.

NETHERLANDS.

Prohibits (decree of May 23, 1899) importation and transit, direct or indirect, of live trees and shrubs, or live parts thereof, produced in America, including boxes, casks, baskets, sacks, vessels, and other articles used for packing, unless accompanied by certificate issued by consular officer of Netherlands or competent authority in port of shipment, and objects shall not be landed unless certificate is satisfactory to receiver of import duties. Exceptions: (a) Importations from countries bordering on the Netherlands in which measures have been taken for combatting the San José scale. (b) Importations for scientific purposes. (c) To meet requirements of frontier commerce.

NEW ZEALAND.

Prohibits (Act of 1896) importation of fruit of any kind infested with fruit-flies. Fruit infested with codling moth will be destroyed unless immediately reshipped. Fruit, plants, trees, cuttings or buds infested with any scale insect will be admitted only when accompanied by certificate. Otherwise it will be fumigated at expense of importer or destroyed.

Imported fruit admitted only at Bluff, Dunedin, Christchurch, Wellington, and Auckland.

Live plants admitted only at Dunedin, Christchurch, Wellington, and Auckland.

Fumigation performed only at Dunedin, Christchurch, Wellington, and Auckland.

SWITZERLAND.

Prohibits plants; prohibits importation of fresh fruit from America except through Customs Bureau at Basle, where it is subject to an examination by an expert for San José scale or other parasites. No restrictions to direct importation of dried fruits.

TURKEY.

A note from the Minister of Foreign Affairs to the United States Minister at Constantinople, dated October 18, 1899, states that the Imperial Government has decided to interdict the importation of trees, plants, and fruits coming from the United States.

L. O. HOWARD,
Entomologist.

Approved:
JAMES WILSON,
Secretary.

The Canadian authorities have decided to admit nursery stock into the Dominion, subject to inspection and fumigation, between the dates October 10 and November 10. Secretary Wm. Pitkin, of Rochester, N. Y., of the Eastern Nurserymen's Association, has written to the authorities asking that the date for shipping nursery stock be left open until January 1.

The following represent the values of nursery stock exported from the United States during 1899 to the countries named: Germany, $15,221; Mexico, $7,763; Canada, $35,974.

BRIEFS FOR BUSY FLORISTS.

PALMS AND OTHER DECORATIVE PLANTS should be gone over carefully now, and thoroughly cleaned. Where the stock is not very large, there is no better method of cleaning the plants than by sponging them all over with a mixture of Fir Tree Oil and warm water, or some other effective insecticide. Where the plants are too numerous to admit of the sponging being done, dipping the smaller plants overhead in the mixture is the quickest way to treat them, while the larger specimens will require to be syringed thoroughly. By having the stock perfectly free from bugs and scale before heavy firing is under way, the pests can be kept down to a minimum, otherwise they will be a great source of trouble all Winter.

AZALEAS—When newly imported plants arrive, immerse the roots in a pail of water for a few minutes—if they are at all dry. Allow them to drain off for an hour or so before potting; then put them into pots that are only about one inch larger than the balls. These will provide all the room the plants need. Pot very firmly, using a thin lath to press the soil down the side of the pot.

ERICAS—That these are among the prettiest plants for basket work at holiday times is evidenced by the increasing numbers that are grown and put on the market every year. This is the best time to get in a stock. Pot them firmly, allow for plenty of drainage, keep the plants in a cool house, and there is no subject easier to grow.

To Remove White Lead Shading.

Since the removal of white lead from greenhouse roofs is a tedious and more or less difficult job, the florist should welcome any method that will lighten this labor and reduce the risk of the breakage of glass. When this shading is to be applied as a liquid with naphtha, by means of a spray pump, the powdered paint should be purchased; not the paint as it is usually bought in drums or cans. If the latter be used the shade will be much harder to remove in any case, and the method of removing it described below will work much less effectively. The reason for this is that the oil in the mixed paint forms a coating of itself upon the glass, independent of the lead, and is not acted upon by the acetic acid used to remove the lead, only a portion of which can be reached. If adulterated white lead be used the recipe will be useless, because the adulterant commonly used in white lead is barium sulphate, a substance not soluble in acetic acid.

When pure lead is used, mix one part of strong vinegar to four of water, or one part of acetic acid to about 15 of water and apply with a fine nozzle direct to the roof. If any drips down it may be used over again since it will have been applied too copiously. Some of the white lead will have been dissolved in this drip and it will not be quite so effective a second time. After application, the usual rubbing may commence, when it will be found that the shade will come off much more easily. The reason for this is that the white lead is changed from the basic carbonate to the acetate, which is very soluble in water. Water coupled with friction will, therefore, easily remove it. One caution only is necessary: Take care to get none of the lead in the mouth. Both forms are very poisonous. But if some be swallowed take a dose of Epsom salts. This is the best antidote.

M. G. KAINS.

ORDER NOW! **MONTHLY ROSES**

Such as HERMOSA, AGRIPPINA, CRAMOISE SUPERIOR, CLOTHILDE SOUPERT, K. A. VICTORIA. Field-grown plants, 1st size, $12.00 per 100; 2d size, $10.00 per 100.

BOBBINK & ATKINS, Rutherford, N. J.

Mention the Florists' Exchange when writing

Personal.

SOUTHINGTON, MASS.—W. E. North, formerly of the Plantsville Greenhouses here, has secured a position as a florist in Providence, R. I.

WILMINGTON, DEL.—Charles F. McCafferty, a florist, because he was disappointed in love, committed suicide by jumping into the Christiana River, September 25.

CARNATIONS FIELD-GROWN PLANTS.

McGowan, Nivea, Bon Ton, and others, $5.00 per 100.

S. LITTLEFIELD, North Abington, Mass.

Mention the Florists' Exchange when writing

FORGET-ME-NOT

Hardy, fine plants, $4.00 per 1000; 50c. per 100.

J. C. SCHMIDT, BRISTOL, PA.

Mention the Florists' Exchange when writing

VINCA VARIEGATA

Field-grown, elegant plants, 3 to 4 feet long, $5.00 per 100. Cash.

HENRY ENGLER, 4651 Lancaster Ave., PHILA.

Mention the Florists' Exchange when writing.

SNOWFLAKE New Everblooming Polyantha White Cluster Rose for Forcing.

It will be a coming pure white standard material for fine design work, also for 6-inch pans, button holes, etc. True and good, by no mistake, easy to raise, easy to propagate. Plants, 2 in. pots, doz. $2.50; 100, $1500. 3 in. pots, doz., $4.00; 100, $25.00. Rooted Cuttings, in moss, by mail, per 100, $10. **Asparagus Sprengeri,** 2 inch, per 100, $3.00. 3 inch, per 100, $4.00.

ALBERT KNAPPER, Frankford, Phila., Pa.

Mention the Florists' Exchange when writing.

FOREST TREES

We offer for sale the largest stock of Forest Tree, in this country, Sugar, Norway, Sycamore, Silver Leaf and other Maples by the thousands. Also Lindens Poplars, Elms, Willows, Mt Ash, etc., in large quantities, as well as a general stock of other nursery products. Address

STEPHEN HOYT'S SONS, - New Canaan, Conn.

Mention the Florists' Exchange when writing.

XXX STOCK For Immediate Shipment.

Cyclamen Persicum Splendens Giganteum, finest strain in the world, in 4 true colors, a splendid stock of plants, from 2½ in. pots, $5.00 per 100; $40.00 per 1000; from 3 in. pots, $7.00 per 100; $60.00 per 1000.

Rex Begonia (rooted cuttings). I have a most beautiful collection of this justly popular pot plant, in 25 very handsome varieties; assorted, $2.00 per 100; mixed, $1.50 per 100.

ALL STOCK GUARANTEED A No. 1.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

HEDGE PLANTS

Evergreen: HEMLOCK SPRUCE, NORWAY SPRUCE, AMERICAN ARBOR VITÆ.

Deciduous: CALIFORNIA PRIVET, OSAGE ORANGE, BERBERIS THUNBERGII, ALTHÆAS, ETC.

Various sizes at popular prices.

THE WM. H. MOON CO., Morrisville, Pa.

NURSERIES: { 60 miles from New York. 30 miles from Phila.

Phila. Office: 702 Stephen Girard Bldg.

Mention the Florists' Exchange when writing.

IF YOU NEED ROSES Send us your list for prices.

THE C. A. REESER CO. URBANA, OHIO. Wholesale Rose Growers.

Mention the Florists' Exchange when writing.

ROSE PLANTS

In varieties, from 2¼, 3 and 4 inch pots. Write for prices.

	100
Lemon Verbena, 3 in. pots	$4 00
Sansevieria Zeylanica, 3 in. pots	5.00
Asparagus Plumosus, 2½ in. pots	5 00
Asparagus Sprengeri, 2½ in. pots	4.00
Nephrolepis Cordata Compacta, 2½ in.	3.00
N. Cordata Compacta, 3 in. pans., per doz.	6.00
Field-Grown, Scotch Hardy Pinks, at $3.50 per 100; $30.00 per 1000. 6 varieties.	

THE NATIONAL PLANT CO., Dayton, Ohio.

ROBT. CRAIG & SON,

ROSES, PALMS, CROTONS,

...CARNATIONS...

and Novelties in Decorative Plants.

Market and 49th Sts., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

ROSES

For Late Planting.

Strong, healthy plants of Bride, Perle, La France and Bridesmaid, from 4 inch pots, at $6.00 per 100.

ASPARAGUS SPRENGERI

Strong, 4 inch pots, $10.00 per 100.

DRACÆNA INDIVISA

Strong 4 inch pot plants, $8.00 per 100
Strong 5 inch pot plants, $12.00 per 100

I. H. MOSS, Govanstown, BALTIMORE, MD.

ROSES

Perle	Sunset
K. A. Victoria	Souv. de Wootton

Strong clean plants, from 3 in. pots, $7.00 per 100 $65.00 per 1000.

Brides	Golden Gate
Bridesmaid	La France
Bon Silene	Maid of Honor
Duchess of Albany	Mermet

Strong, clean plants from 3 in. pots, $6.00 per 100; $55.00 per 1000.

LIBERTY

12	plants	for	$7 20
25	"	"	12 50
50	"	"	15 00
100	"	"	28 00

Strong, Field-grown **CARNATIONS** Healthy Stock

America, Gen. Maceo, Mrs. Geo. M. Bradt
1st size, $8.00 per 100; $70.00 per 1000
2d size, $6.00 per 100; $50.00 per 1000

Melba, Genl. Gomez, Armazindy.
1st size, $7.00 per 100; $60.00 per 1000
2d size, $5.00 per 100; $45.00 per 1000

Bon Ton, Frances Joost, Psyche.
1st size, $6.00 per 100; $50.00 per 1000
2d size, $5.00 per 100; $45.00 per 1000

Firefly, New York, Sea Shell, Victor, Thos. Cartledge, Alaska, Portia, Lizzie McGowan, Wm. Scott.
1st size, $5.00 per 100; $40.00 per 1000
2d size, $4.00 per 100; $35.00 per 1000

SMILAX strong plants, from 2¼ in. pots, $2.50 per 100; $18.00 per 1000.

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent, also Second-hand Materials.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED.

FLORIST and gardener's position wanted, by good all-round man. R. P., Florist, Post Office, New Rochelle, N. Y.

YOUNG man, 28 years old, would like position as designer and decorator; life-long experience. Address A. Minder, 76 Chadwick Ave., Newark, N. J.

CHANGE of situation wanted, as designer and decorator; experienced in all branches of the business; can produce references. Y. R., care Florists' Exchange.

WANTED, Situation by an experienced florist, as foreman in a place where roses, 'mums, carnations and other cut flowers are growing. Z. B., care Florists' Exchange.

SITUATION wanted, single man, 28 years old, 8 years' experience in general greenhouse work; state wages paid, without or with board; steady place wanted. Y. Y., care Florists' Exchange.

SITUATION wanted, gardener and florist, rose grower, all around good man, good propagator; temperate; long experience in cut flowers. B. R., care Jos. Breck & Sons, 51 No. Market St., Boston, Mass.

FIRST-CLASS grower in cut flowers and general stock, wants situation as working foreman; hard worker, 36 years' experience, used to handling men, married. Address Y. X., care Florists' Exchange.

SITUATION wanted by a practical florist and gardener, with life experience in growing cut flowers and plants for commercial purposes; capable of taking charge; best references; German, married. Z. A., care Florists' Exchange.

SITUATION wanted by a good practical grower of cut flowers and general stock, as working foreman; 33 years of age 18 years' experience, has been with the best growers in this country and Europe; first-class references. Address Florist, 49 Prospect St., Madison, N. J.

SITUATION wanted. Having had my business place swept away by the late storm, I wish to find a responsible position in a commercial or private establishment, or buy a partnership with a Northern florist. Am well up in floral arrangements and decorations and a specialist in palms, ferns, orchids, etc.; can give first-class trade and business references. Otto Febrlin, Galveston, Texas.

HELP WANTED.

WANTED—Young man as assistant in greenhouses, steady position. Apply or write to F. C. Schweinfarth, Brooxville, N. Y.

WANTED at once. Experienced assistant in greenhouses; German, single man, preferred; state wages wanted, with board. Est. G. Geduldig, Norwich, Conn.

WANTED—Young man with experience as decorator and designer; must be reliable and of good address. Chas. A. Samuelson, 2129 Michigan Ave., Chicago, Ill.

WANTED—An assistant; roses, carnations, violets, etc; married man; wages, free house and $8.00 per week; when applying give references. John Reck, Bridgeport, Conn.

WANTED—A young man, sober and reliable, experienced in roses and carnations, also a general line of bedding plants. State wages and experience. John Fallon, Staunton, Va.

WANTED—A young man to assist in a first-class floral store; must be a fair salesman and make himself useful in general about the store. State references and wages. Address W. S., Cincinnati, Ohio.

WANTED at once, a good florist to grow roses, carnations, 'mums and general bedding stuff, also to be a good propagator; $30.00 per month, board and room; no quacks need apply; state experience and send reference. C. Humfeld, Clay Center, Kansas.

FOREMAN wanted for range of 175,000 square feet of glass; must be a man of unquestioned ability and character, and an up-to-date grower, accustomed to handling men where roses, carnations, palms, ferns, 'mums, bulbous and bedding stock are grown; permanent position for right party. J. F. Wilcox, Council Bluffs, Iowa.

FLORIST—TO TAKE CHARGE; grower of first-class roses and carnations; good references; state wages. Y. Z., care Florists' Exchange.

Baltimore.

The Market.

Mr. Scott reports business at the Exchange slightly improving. Good flowers are scarce. Some fine Beauty come in from the Ruxton Nurseries. Dahlias sell briskly in the markets; the supply is very short.

Among Growers.

George Black is fast improving in health, and is expected to be about again shortly.

Isaac Moss had a driving accident, his horse taking fright at a steam roller, upsetting his vehicle. He was thrown out and badly, but, fortunately, not seriously, bruised.

President O'Mara is expected in Baltimore to inspect the new roses at John Cook's. In addition to the fine Baltimore, there are a few bedding roses ready for dissemination.

A GEM.

I consider your paper a "gem," especially as an advertising medium.

JOHN JONES.

Convent Station, N. J.

HELP WANTED.

WANTED a young man to work in greenhouses and live on the place; age 20 to 25; must have some experience; a good place for a man to improve. Send reference at once. George Grant, Florist, Larchmont, N. Y.

MISCELLANEOUS WANTS.

EMPTY GREENHOUSES WANTED TO rent at once, in good order; rental moderate. Verner de Onise, Ramsey, N. J.

BUSINESS OPPORTUNITIES.

FOR SALE—Owing to the death of the owner, small green house and stock, in a prosperous Southern City of 25,000; only business of the kind in City; no reasonable offer refused; correspondence invited. Foster Carter, Shreveport, La.

STORE to let, West side, 2783 Broadway, between 107th and 108th Sts. Opportunity to establish good business in high-class residential and apartment district. Inducements to responsible party. Worth investigation. Apply on premises, Ottinger.

TO RENT—At Hollis, L. I., greenhouses and about eight acres of land, orchard and garden, together with four rooms in house wing, stable and carriage house; glass houses, 100x20, 100x20 and 75x15, also poultry house. Address "Owner," 124 E. 27th st., N. Y.

GREENHOUSES to rent, at Moorestowo, N. J., 9 miles from Philadelphia, on railroad, 10-room dwelling, 4 greenhouses, 10,000 feet glass, one stocked with carnations, others partly stocked with smilax, roses, etc., steam heat, city water, 2 acres ground; immediate possession. Jos. T. Sullivan, Moorestown, N. J.

FOR SALE—GREENHOUSE PLANT OF 6 houses, in Jersey City, well stocked and in full operation. Address Y. W., care Florists' Exchange.

MISCELLANEOUS.

FOR SALE, Some extra good seconod-hand 3-inch pipe, at 6c. per foot; also some 4-inch; secure it while it lasts. W. H. Salter, Rochester, N. Y.

FOR SALE—One horizontal tubular boiler, 16x5 ft., 70 3-in. tubes, all right for heating purposes. Carried 80 lbs. steam when shut down. The H. B. Porter & Son Co., Norwich, Conn.

HITCHINGS' saddle boiler No. 5 for sale, price $40.00; also 2000 feet 4 in. cast iron pipe, 6c. per foot; all in first-class order; prices f. o. b. Albany. J. G. Pfordt & Sons, 899 Broadway, Albany, N. Y.

A BARGAIN! Who wants them? 40 greenhouse sash, 10x3½ ft.; 6x8 glass, $20.00 cash for the lot. Two 4 inch gate valves, as good as new, for hot water heating, $5.00 each. P. M. DeWitt, Bridgewater, Pa.

THE BUYERS' PAPER.

The paper that pays advertisers best is the one read by the most buyers. The Buyers' Paper among the horticultural trades is The Florists' Exchange.

Philadelphia.

The Market.

Most of the wholesale houses report business as improving, although the amount done is not yet large. Flowers are improving in quality very rapidly, but the small demand keeps prices down. White roses are very plentiful; in fact, have been so for many weeks. First-class carnations are yet scarce, it being between seasons with these flowers; most of the plants are not fully recovered after being moved into the houses. Quite a lot of outdoor flowers are still coming in, the bulk of which are dahlias. Some colors of these sell fairly well, but the demand generally is light. Smilax is in good demand, but the quality is not up to the standard yet.

Club Meeting.

The meeting of the Florists' Club was held in the lecture room of Horticultural Hall on Tuesday evening last. Robert Kift gave his illustrated lecture on "American Art in Floral Decorations," this being the same lecture given by him at New York before the S. A. F. It was delivered for the benefit of those who were not at the convention; the public was also invited through the city papers.

Jottings.

Alfred Burton, eldest son of John Burton, was married on Tuesday evening in this city.

Wm. Thompson, 13th Street, above Locust, was married on Wednesday evening to Miss Mary McRae, thus ending a little romance which began two years ago, when he had a long spell of sickness, his present wife then being a nurse and attending him through his illness.

George McLenn, who is with George Craig on South 11th Street, has been on a visit to John Walker at Youngstown, Ohio, and has made arrangements to leave this city in two weeks, going to Youngstown to take charge of John Walker's retail store.

Thaddeus N. Yates has purchased the entire nursery business of his brother David G. Yates, deceased, the Mount Airy Nurseries, and will continue same as heretofore. The nurseries were established in 1869. DAVID RUST.

Woodhaven (N. Y.) and Vicinity.

Notwithstanding the dry weather that has prevailed the past Summer, H. Beaulieu, of this place, has had great success in flowering seedling dahlias. Mr. Beaulieu believes that with dahlias it is more a question of variety than climatic conditions. Some kinds, he says, thrive and flower freely be the season ever so dry. About three hundred seedlings have been brought into bloom. Among them are several that show promise of being useful varieties from their size and the length of stem, together with their free flowering and vigorous habits. Mr. Beaulieu also makes a specialty of pansies and the Mme. Perret strain, which he grows chiefly, produces very large and fine colored flowers, many being a good three inches in size.

F. Neipp, who is located at Aqueduct, is building a new greenhouse for chrysanthemums. The plants are already in, the glass is in on part of the roof, and the house will be completed before cold weather arrives. Mr. Neipp markets his products at the Cut Flower Exchange. Besides chrysanthemums he grows carnations and violets of the Lady Campbell variety. The first bunches of the latter were marketed on Saturday last.

M. Schnorr, also of Aqueduct, has a nice lot of chrysanthemums, carnations and violets of the Marie Louise variety. In the frames are thousands of pansies and English ivies. Planted outside are some good Hydrangea otaksa, also long rows of dahlias that are blooming luxuriantly.

The greenhouses belonging to E. Lenny in Woodhaven are leased by J. Smith, and a general retail trade conducted. At the time of our visit Mr. Smith was engaged in arranging the flowers on a large broken column.

John Reimels has a carnation establishment that is well worthy of a visit. A house of Flora Hill is a perfect picture. This house is 165 by 20 feet and was planted the last week in July. Stem rot has not affected the plants and they are blooming very freely. Wm. Scott, Mrs. G. M. Bradt and General Gomez are grown in large quantities, all being in the best of condition. Maude Adams is also a favorite here, and is cultivated more extensively than it was last year. A bench of G. H. Crane is throwing up plenty of good blooms; this is the best scarlet of all. Among new kinds, Mrs. Lawson, Ethel Crocker, Genevieve Lord and The Marquis are planted, besides a batch of seedlings, among which are several very promising kinds. Mr. Reimels also grows a bench of a variety that sported from Scott. It is identical with the parent in habit, etc., but the flower is marked with white streaks that radiate from the center. The cut from this establisment is sent daily to the New York Cut Flower Co.'s rooms, and sold at Mr. Reimels' own stand by his son.

Cleveland.

Trade Notes.

The retail stores report a considerable improvement in trade within the past few weeks. Numerous dinners, luncheons and other society functions have stimulated business in the decorative line, and store trade in cut flowers is better than at any previous writing for several months past. Prices, however, remain about the same as last reported.

A limited quantity of chrysanthemums is offered at $4 per dozen, the variety being Lady Fitzwygram.

Notes.

A party of Cleveland florists, consisting of A. Graham, H. A. Hart, Isaac Kennedy and Gordon Gray, left the city on Monday evening by boat for a few days' visit at Detroit, Mich.

S. N. Pentecost and wife reached home from a trip abroad on Monday, October 1. Their trip occupied three months; much of the time was spent at the Paris Exposition.

Smith & Son, Wade Park Avenue and Crawford Rock, are the first of local growers to offer chrysanthemums. They cut a few blooms of Lady Fitzwygram early last week. G. A. T.

SKOWHEGAN, ME.—Mr. F. G. Danforth, of Norridgewock, has purchased the J. R. Whittier property on Madison Avenue and will soon erect a set of buildings thereon for the purpose of carrying on the greenhouse business on an extensive scale.

JERUSALEM CHERRIES!

About 500 plants, 5 to 10 in. high, in 3 and 4 inch pots, good healthy stock, $4.00 per 100, cash.

A. H. GRAF, Kirkwood, N. J.

Mention the Florists' Exchange when writing.

FERNS! Strong, transplanted, $1.50 per 100.

IVIES, strong, from the fields, $9.00 per 100.
VINCA Variegata, out of 6 inch pots, $12.00 per 100.
SMILAX, out of 2½ inch pots, $2.00 per 100.
CARNATION McGowan, $3.00 per 100.
Cash with the Order.

L. HOEBEL, FLORIST, FORT LEE, N. J.

Mention the Florists' Exchange when writing.

FERNS!

Nephrolepis Bostoniensis (Boston Fern, true)..... 8c.
" Cordata Compacta (Dwarf Sword Fern). 6c.
" Exaltata (Sword Fern)..... 6c.
The above are fine stocky plants from 5 inch pots.
Nephrolepis Bostoniensis, from 2½ in. pots, $3 per 100.
" Cor. Compacta, from 2½ in. pots, $3 per 100.

FAIRVIEW FLORAL CO., Bently, Ohio.

Mention the Florists' Exchange when writing.

PRIMROSE and CYCLAMEN.

Primrose latest improved large flowering fine plants, ready for 3½, $2.00 per 100.

Cyclamen Giganteum 3 in. $5.00 per 100

Extras added. Cash, please.

J. W. MILLER, Hatton, Pa.

Mention the Florists' Exchange when writing.

100 FERNS

Fine bushy plants, assorted varieties—**Cyrtomium Falcatum, Onychium Japonicum, Pteris cretica albo-lineata, Pteris Adinotoides** and **Argyraea**, well packed and sent **Expressage Prepaid**, to any point east of Chicago or north of Richmond, for **$4.00 cash.**

SEEDLING FERNS, $1.00 per 100.

R. G. HANFORD, - Norwalk, Conn.

Mention the Florists' Exchange when writing.

SURPLUS CARNATIONS

CHEAP TO CLOSE.

200 White Cloud, 75 Scott, 75 McGowan, 40 Fisher, 75 Maceo, 35 Victor and Eldorado.

Strong, clean, field-grown. Write quick for price on lot.

GEO. R. SIMONDS, Barre, Mass.

Mention the Florists' Exchange when writing.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.

Mention the Florists' Exchange when writing.

FIELD-GROWN CARNATIONS

Glacier, Evanston, Jubilee, Armazindy, Dana, Meteor, Bridesmaid, Eldorado, Portia and Scott. All others sold. First, $5.00; No. 2, $3.00. Cash.

DANA R. HERRON, Olean, N. Y

Mention the Florists' Exchange when writing.

FIELD-GROWN CARNATIONS

6000 SCOTT, 4000 McGOWAN

All healthy, $3.00 per 100; $25.00 per 1000.

CASH WITH ORDER.

ALEX. SCHULTZ, Phillipsburg, N. J.

Mention the Florists' Exchange when writing

Scott, Alaska, Pingree, Albertini,

$3.00 per 100.

SMILAX, $1.00 per 100.

Cash with order, please.

MOUNT HONNES CONSERVATORIES,

B. H. TAOWNSIDOR, Prop. Fishkill Village, N. Y.

Mention the Florists' Exchange when writing.

FIELD-GROWN CARNATIONS

SCOTT AND NEW YORK

For cash only. Prices on application.

A. von AESCH, Fifth Street, WOODSIDE, L. I.

Mention the Florists' Exchange when writing

FIELD-GROWN CARNATIONS

Good Healthy Plants of

Wm. Scott, Tidal Wave, Frances Joost.

Prices on Application.

VICTOR S. DORVAL, Woodside, N. Y.

Mention the Florists' Exchange when writing.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing

CARNATIONS

WM. SWAYNE, Kennett Square, Pa.

Mention the Florists' Exchange when writing.

WM. MURPHY,

Wholesale Carnation Grower.

Sta. F., CINCINNATI, O.

Mention the Florists' Exchange when writing.

CARNATION PLANTS!

A few thousand **Scott, McGowan, E. Pierson,** first size plants, $3.00 per 100; $25.00 per 1000. A bargain for cash only.

GEO. H. BENEDICT, Yorkville, N.Y.

Mention the Florists' Exchange when writing.

CARNATIONS

Large field-grown, no disease. Victor, Portia, Firefly, C. A. Dana, and Empress, $3.00 per 100. Genesesee, the new white, nice bushy second size plants, $2.50 per 100.

Our Descriptive Price List of **DAHLIAS** for Fall and Spring delivery is now ready for distribution. Our stock is first-class and prices right.

A. B. DAVIS & SON, Established 1866 Purcellville, Va. (Near Washington, D. C.)

Mention the Florists' Exchange when writing.

MARQUIS

CARNATIONS, Field-Grown.

$10.00, to close balance of stock.

L. E. MARQUISEE, - Syracuse, N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS.

Extra fine field grown clumps. Evilena, John Young, Albertini, Freedom, Mrs. Dean, etc. $5.00 per 100.

ALBERT H. BROWN, - Westboro, Mass.

Mention the Florists' Exchange when writing

10,000 CARNATIONS

	Per 100	Per 1000
Flora Hill	$4.00	$35.00
Wm. Scott	$3 to 3.50	$25 to 30.00
L. McGowan	2.50	20.00

C. HUMFELD, - Clay Center, Kansas.

Mention the Florists' Exchange when writing.

CARNATION BLOOMS

Of all leading varieties now ready.

Let us figure on your wants.

CHICAGO CARNATION CO., Joliet, Illinois.

Mention the Florists' Exchange when writing

DAYBREAK CARNATION PLANTS.

Fine, Strong Plants of Daybreak, at $5.00 per 100, $40.00 per 1000.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

CARNATIONS

First-class Scott and McGowan carnation plants. We are offering these at $3.00 per 100. Guaranteed to be extra fine plants.

UNION ST. GREENHOUSE CO., Geneva, N. Y.

20,000 EXTRA FINE

FIELD-GROWN CARNATIONS

Scott, Flora Hill, McGowan, Mrs. F. Joost, Mary Wood, New York, Bon Ton, Albertini, Thos. Cartledge, Argyle, Gold Nugget, Lily Dean, Leslie Paul, Iris Miller, Elsie Ferguson, at $6.00 per 100; $50.00 per 1000.

Melba, G. H. Crane, at $8.00 per 100.

EVENDEN BROS., - Williamsport, Pa.

CARNATIONS

Field-Grown Plants.

F. DORNER & SONS CO.,

La Fayette, Ind.

SEND FOR PRICE LIST.

4 ACRES FIELD-GROWN CARNATION PLANTS--120,000

Our Carnations this year are very fine. They have been grown with the greatest care, free from disease, and are packed light by our improved method of packing, by which we can send to all parts of the United States, in perfect condition,

MAYOR PINGREE BUTTERCUP G. M. BRADT
$1.50 per dozen; $8.00 per 100.

CRIMSON SPORT ARMAZINDY MAUD ADAMS WHITE CLOUD
ELDORADO DAYBREAK JUBILEE TRIUMPH
MELBA $1.25 per dozen; $6.00 per 100.

McGOWAN MRS. FISHER ALBERTINI PORTIA
METEOR L. L. LAMBORN C. A. DANA WM. SCOTT
DOROTHY SWEET FLORA HILL SWEET BRIER
$1.00 per dozen; $5.00 per 100.

PANSY PLANTS Grown from extra choice seed, of our own production, and not surpassed in variety, size, beauty of coloring or freedom of bloom by any other grown. Price, 50cts. per 100; $4.00 per 1000.

Mention this paper. **J. L. DILLON, BLOOMSBURG, PA.**

100,000 CARNATION PLANTS

Large, Healthy, Field-Grown Plants.

	Per 100	Per 1000		Per 100	Per 1000
WM. SCOTT	$2.50	$20.00	GOLD NUGGET	$2.50	$20.00
McGOWAN	2.50	20.00	VICTOR	2.50	20.00
EVELINA	2.50	20.00	NIVEA	2.50	20.00
ARMAZINDY	2.50	20.00	MRS. BRADT	5.00	

Orders for Less than 50 of Any Variety Not Accepted.

PETER REINBERG, 51 Wabash Avenue, Chicago, Ill.

Mention the Florists' Exchange when writing.

75,000 = FIELD-GROWN CARNATIONS = 75,000

	Per 100	Per 1000		Per 100	Per 1000
G. H. Crane	$8.00	$75.00	Uncle Sam	$6.00	$50.00
America	8.00	75.00	Armazindy	5.00	40.00
Jubilee	7.00	60.00	Albertini	5.00	40.00
Daybreak	5.00	40.00	Tidal Wave	5.00	40.00
Triumph	5.00	40.00	Victor	5.00	40.00
Goliath	8.00	75.00	Flora Hill	5.00	40.00
Mrs. Bradt	8.00	75.00	White Cloud	7.00	60.00
			Snow Queen	5.00	40.00

CHINESE PRIMROSE PLANTS, 2½ in. pot.

	Per 100	Per 1000
Separate colors, semi-double,	$5.00	$40.00
Separate colors, single	4.00	35.00
All colors mixed	3.00	25.00

HYDRANGEA OTAKSA, Field-grown, $10.00, $12.00 and $15.00 per 100.

DRACAENA INDIVISA, Field-grown, $15.00 and $20.00 per 100.

HONEYSUCKLE HALLEANA, Field-grown. $8.00 per 100.

VINCA HARRISONI var.—

	Per 100	Per 1000
Field-grown	$5.00	$40.00
Green, field-grown	5.00	40.00

VIOLETS, Strong field-grown,

Marie Louise	5.00	40.00
Lady H. Campbell	5.00	40.00
California	5.00	40.00
Princess of Wales	6.00	50.00

TERMS, CASH OR REFERENCES.

S. ALFRED BAUR, Wholesale Florist, 1108 State Street, ERIE, PA.

Mention the Florists' Exchange when writing.

3000 Field-grown Carnations

WM. SCOTT

Strong and healthy plants left. Come and see them yourself.

H. MAENNER, Maspeth, L. I.

Cor. Collins and Mt. Olivet Aves.

Mention the Florists' Exchange when writing

FIELD-GROWN

CARNATIONS

DAYBREAK,

$4.50 per 100; $40.00 per 1000.

Scott, Portia, and McGowan,

$4.00 per 100; $35.00 per 1000.

THE BOOL FLORAL CO.,

ITHACA, N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS

Field-Grown Plants.

GENEVIEVE LORD The Finest of all Commercial Pink Carnations. Fine plants. First size, $12.00 per 100; second size, $10.00 per 100.

	Per 100
J. Whitcomb Riley	$12.00
Daybreak	6.00
Mayor Pingree	5.00
100 Wm. Scott	5.00
Seedling No. 30	8.00

No. 30 is a bright pink, very free Winter bloomer, averaging stems 2 to 3 feet.

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

New Varieties of

CARNATIONS

Grown from seed and named after my three grandchildren. We have grown these under ordinary culture for the past four years, and find them equal to any and far superior to many other varieties.

RUSSELL Clean, healthy, and the most vigorous and prolific we have ever grown or seen. We believe it is the best general purpose Carnation ever sent out. Grown side by side with Scott, it is far ahead of it in every respect, except size, which is about the same. It has never burst with us, when others in the same house have done so badly; it is a lively light-rose pink, distinct from anything we have ever seen; very fragrant. Where an abundance of good, fair sized blooms is wanted, it cannot be surpassed.

MILDRED A strong grower, with very long, strong stems. Flower very large, and a continuous bloomer. A fine shade of light, soft pink.

WILLIE Strong grower, with long, stiff stems. Flowers very large, of a bright shade of very dark rose pink. A continuous bloomer. We have more than we have room to house, and offer extra fine plants within reach of all. No. 1 plants, $1.50 per doz.; $6.00 per 100

CHAS. BLACK, Hightstown, N. J.

Mention the Florists' Exchange when writing.

80,000 Fine, Large, Field-Grown

CARNATION PLANTS

Your money refunded if plants are not satisfactory.

Argyle, Jubilee, Scott, McGowan, Pingree, Evelina, Tidal Wave, $3.00 per 100; $25.00 per 1000.

Daybreak, Triumph, White Cloud, Armazindy, Bradt, $4.00 per 100; $35.00 per 1000.

Flora Hill, $5.00 per 100; $45.00 per 1000

ROSE PLANTS.

Meteor, Bridesmaid, Bride — Large, strong plants, $2.50 per 100; $20.00 per 1000.

GEORGE REINBERG,

51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

ASSORTED FERNS

$10.00 per 1000.

BOSTON FERNS $5.00 per 100; $40.00 per 1000. Larger plants, $10.00, $20.00 and $50.00 per 100. Extra large plants, from $1.50 to $4.00 each.

ARECA LUTESCENS Ready for pots, $2.00 per 100; $18.00 per 1000.

KENTIA BELMOREANA 2 inch pots, $6.00 per 100.

PANDANUS VEITCHII Fine, large plants, in 8 inch pots, $2.00 each.

PANDANUS UTILUS In 8 inch pots, $1.50 each.

JOHN SCOTT, Keap Street Greenhouses, **Brooklyn, N. Y.**

TELEPHONE, No. 1307 WILLIAMSBURGH.

Mention this paper.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR

ERICAS

Palms, Decorative and Flowering Plants.

Standard Bay Trees, all sizes.
Kentia Belmoreana and Forsteriana, small plants, from 15c. to 25c. each; larger plants from 50c. to $25.00 each, all sizes.
Livistona, $3.00 per dozen.
Latania Borbonica, from 50c. to $1.50 each.
Boston Ferns, from 50c. to 75c. each, to $2 each.
Araucaria excelsa, from 75c. to $3.00 each.
Araucaria glauca, from $1.50 to $3 00 each.
Araucaria compacta robusta, $3.00 each.
Rubbers, 35c to 75c. each.
Cyclamen persicum giganteum, $3.00, $4.00, $5.00.
Ardisia crenulata, red and white berried, $6.00, $9.00, $12.00, $15.00, $18.00 and $24.00 per dozen.
Crimson Rambler, grown in pots, large plants for making Pyramids, $9.00 per dozen.
Oranges, well-fruited, from $1.00 to $5.00 each.
Peruvian Peppers, $8.00, $9.00 and $12.00 per doz.
Chrysanthemums in pots, $6.00, $7.00, $8.00 and $9.00 per dozen.
AZALEAS, WELL BUDDED, $35.00, $50.00, $75.00 and $100.00 per 100; larger plants up to $5.00 each.
HYDRANGEAS, WELL BUDDED FOR EASTER FORCING, 5 to 7 branches, fine plants, $15.00 per 100; 3 to 4 branches, $10.00 per 100; 2 to 3 branches, $5.00 per 100.
Carnation Wm. Scott, field-grown, $8.00 per 100.

Ericas for Delivery from October 1st.

Erica fragrans. Christmas variety, small plants $10.00 per 100; two-year-old, set with buds ready for Christmas forcing, $50.00, $75.00 and $ 0.00 per 100. Larger plants, up to $5.00 each.
Erica Vilmoreana, well set with buds for Christmas, $50 00 and $75.00 per 100.

Varieties which will bloom after Christmas and for Easter.

Erica cupressina, the best, $75.00 and $100.00 per 100.
Erica pers. alba, $8.00 and $9.00 per dozen.
" " rosea, $8.00 and $9.00 per dozen.

Small plants for ferneries, etc., which will bloom this Fall and Winter.

Erica pers. rubra, $10.00, $15.00 and $20.00 per 100, 3½ inch; pink.
Erica gracilis autumnalis, $20.00 per 100; pink.
" pers. alba, $8.00, $10.00 and $15.00 per 100.
" " rosea, $8.00, $10.00 and $15.00 per 100.

Cash With Order from Unknown Parties.

When ordering add to a $10.00 order 50c. for packing; $25.00, $1.00; $50.00, $1.50; $75.00, $2.00; $100.00, $2.50.

ANTON SCHULTHEIS,

P. O. Box 78,

COLLEGE POINT, Queens Borough, N.Y.CITY

Mention the Florists' Exchange when writing.

40,000

Kentias, Belmoreana and Forsteriana

Clean well grown stock in best market sizes—$35, $50, $75 and $100 per 100. See our wholesale list for sizes.

AZALEAS, Bushy Crowns well set with Buds.

10 to 12 inches in diameter.....$35 per 100 14 to 16 inches in diameter.....$50 per 100
12 to 14 inches in diameter..... 45 per 100 16 to 18 inches in diameter..... 12 per doz

ASPARAGUS PLUMOSUS NANUS.

Strong 2½ in. pots ready for shifting into 3 in...$5 per 100 Strong 3 in. pots....$8 per 100
Asparagus Sprengerii—2½ in..$5 per 100 *Asparagus Sprengerii*—3 in..$7 per 100

BOSTON FERNS.

Strong 2½ in. pot plants.....$40 per 1000 Strong 4 in. pot plants... .....$15 per 100
Strong 5 in. pot plants.....$4 per dozen

ROSES.

Strong two-year field grown. Excellent stock for forcing for Easter and Spring sales.
Crimson Ramblers—Extra strong, with canes 3 to 5 feet long.....$12 per 100
$100 per 1000.
Hybrid Perpetual—Large assortment of best forcing varieties.....$10 per 100
$90 per 1000.

Full assortment of French and Holland bulbs, Hardy Herbaceous Plants, Shrubs and Ornamental Trees.

THE STORRS & HARRISON CO., Painesville, Ohio.

Mention the Florists' Exchange when writing.

CRYPTOMERIA JAPONICA

A plant that has all the grace and beauty of Anracaria Excelsa. Everybody wants it. Strong plants, 2½ inch pots, $5.00 per 100.

Grevillea Robusta. Very fine for center plants of fern dishes. 3½ inch pots, $5.00 per 100

Cupressus Lawsoniana. Fine evergreens, 2½ inch pots, $4.00 per 100.

Shellroad Greenhouses, Grange P. O., Ballo, Md.

Mention the Florists' Exchange when writing.

Adiantum Cuneatum

2½ in. pots, $4 per 100; 3½ in. pots, $8 per 100
3½ in. pots, large plants, $10 per 100; selected plants, 3½ in. pots, $12 per 100.

Asparagus Sprengeri

2½ in. pots, $4 per 100; $30 per 1000.
3 in. pots, $5 per 100.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

A SNAP TO THE RIGHT MAN

One-Half or the Entire Stock of

Palms, Ferns and Decorative Plants

20,000 **Latania Borbonica,** in 3, 4, 5, 6, 7 and 8 in. pots, in good shape; good stock of other sorts. Will be sold at a big sacrifice. I cannot care for them. Write or call soon. It will pay if you mean business. Good discount on smaller lots.

W. J. HESSER, Proprietor Palm Gardens **Plattsmouth, Neb.**

Mention the Florists' Exchange when writing.

THESE plants have a long thrifty growth and are ready for a shift or immediate sale. They have been grown cool and can be safely shipped to any part of the country.

Boston Fern. From 2½ inch pots, $3 00 per 100; $25.00 per 1000. From 4 inch pots, $1.00 per doz., $8.00 per 100.

Asparagus Sprengeri. From 2½ inch pots, $2.50 per 100; $20.00 per 1000. From 4 in. pots, $1.00 per doz., $8.00 per 100.

Asparagus P. Nanus. From 2½ inch pots, $4.00 per 100; $35.00 per 1000. From 4 in. pots, $1.00 per doz., $8.00 per 100.

New Hibiscus, Peachblow. From 2½ in. pots, $4 a 100.

Boston Ivy. (A. Veitchii.) Pot grown, $3.00 per 100; $25.00 per 1000.

200,000 Roses. From 2½ inch pots, $2.50 per 100; $20.00 per 1000. Golden Gate, Crimson Rambler, La France, Striped La France, White La France, Mosella, Kaiserin, Bride, Maid, Etoile de Lyon, Meteor, White Maman Cochet, Marechal Niel, Pink Maman Cochet, C. Soupert, Pink Soupert, The Queen, Muriel Graham, Burbank, Marie Van Houtte, Gen. Lee, Malmaison, Mrs. Degraw, P. Pere, Abel Chatenay, Caroline Marniesse, Yellow Rambler, Empress of China.

Cash With Order, Please.

THE JOHN A. DOYLE CO.

SPRINGFIELD, OHIO.

Mention the Florists' Exchange when writing.

FERNS OUR SPECIALTY.

A grand stock of **MAIDEN HAIR FERNS,** in 4 inch, ready for 5 inch pots, per 100, $15.00; per 1000, $140 00.

Full-grown plants, in 2½ inch pots, ready for a shift, per 100, $4.00; per 1000, $35.00.

Fine lot of **ASSORTED FERNS,** for **Jardinieres.** All the best varieties, in 2½ inch pots, per 100, $4 00; per 1000, $35.00.

An Excellent Stock of

ADIANTUM FARLEYENSE.

Over 10,000 now ready for the market.

6 inch pots .....each, $1.50; per 1000, $140.00.
6 inch pots ..... " 100; " " 95.00.
4 inch pots ..... " .60; " " 55.00.

Money returned if not satisfactory. Cash or C. O. D.

ANDERSON & CHRISTENSEN, Short Hills, N. J.

AT A BARGAIN.

500 Bridesmaid Roses, 3-in., goods tock, a $4.00 per 100; the 500 for $18.00 cash.

Palms, Kentia, Belmoreana, 2-in., per 100 $7.00; 3-in., per 100, $20.00.

Latania Borbonica, 3-in., per 100, $15.00.

Dracæna Sanderiana, 2-in., per doz., $1.50.

Selaginella Emmeliana, 2-in., per 100, $3.00.

Asparagus Sprengeri, fine, 2-in., per 100, $4.00.

Grevillea Robusta, 3-in., per 100, $5.00.

Rex Begonias, 3 in., in 10 good varieties, per 100, $7.00.

SMILAX.

Good Stock, from Pots, at $1.25 per 100; $10 per 1000.
Satisfaction Guaranteed. Cash with Order.

GEO. L. MILLER, Newark, Ohio.

Mention the Florists' Exchange when writing.

Asparagus Plumosus Nanus Strong plants from 2½ in. pots, ready for a shift, $5.00 per 100.

Begonia Rex Fine stock in 3 in. pots, ready for a shift, in good assortment, $6.00 per 100.

Cyclamen Strong, bushy plants, in 2½ in. pots. Finest strain, three colors, $4.00 per 100.

Chinese Primroses Globosa type, best strain grown. Pink and red, 2½ in. pots, $2 50 per 100. White, pink and red, 3 in. pots, extra strong, $5 00 per 100.

Baby Primrose Extra fine, from 2½ in. pots, ready for a shift $4.00 per 100.

Sweet Alyssum Giant white, extra fine for immediate planting, from 3 in. pots $3.00 per 100.

Vinca Major Variegata Very strong field-grown clumps with 8 to 10 long growths, $6.00 per 100.

NATHAN SMITH & SON,

ADRIAN, MICH.

Mention the Florists' Exchange when writing.

BOSTON FERN

A SPECIALTY.

At $3.00, $6.00 and $9.00 Per Dozen.

Fine Plants, Cut from Bench.

ASPARAGUS.

Plumosus Nanus, 3 in , $8.00 per 100.
Sprengeri, 3 inch, $6 00 per 100.

20,000 Small Palms, Kentias, Latanias, Cocos

from 2½ inch to 5 inch. Prices on application.

L. H. FOSTER, 45 KING STREET, **Dorchester, Mass.**

Mention the Florists' Exchange when writing.

OCTOBER PURPLE PLUM!

The best of all Burbank Plums. We have a large and fine stock of trees, one or two year's old on Plum and Peach stock. Address

STEPHEN HOYT'S SONS, New Canaan, Conn.

Mention the Florists' Exchange when writing.

Cryptomeria Japonica (JAPAN CEDAR), strong plants, from 2 inch pots at $5.00 per 100; 20 for $1.00
Asparagus Sprengeri 2 inch, strong, $2.50 per 100 Satisfaction guaranteed

E. I. RAWLINGS, Quakertown, Pa.

Mention the Florists' Exchange when writing.

HYDRANGEAS

3 to 6 crowns..... $6.00 per 100.
6 to 12 crowns..... 10.00 "

RUBBERS 30 inches high, $5 00 per doz.

CHAS. IFFINGER, P. O. Box 162, Ozone Park, L. I.

Mention the Florists' Exchange when writing

RUBBER PLANTS

6 in. pots, 2 to 3 ft.....Per doz., $5.00
5 in. pots, 14 to 20 ins...Per doz., $3.00; per 100 $20
4 in. pots, 9 to 12 ins.....Per doz., $1.75

DRACÆNA INDIVISA (Fine Plants), 4 in. pots, $2.50 per Doz.; $20.00 per 100. CASH.

RUXTON FLORAL AND NURSERY CO.,

RUXTON, MD.

Mention the Florists' Exchange when writing.

FERNS For dishes, etc., in 6 of the leading varieties, from 2½ in., $3.00 per 100.

ASPARAGUS Plumosus Nanus, 3 inch, $5.00 per 100; strong, 3½ in., $8 per 100.

FORGET-ME-NOT True Winter-flowering, 3 inch, $3.00 per 100; 4 inch, 75 cts. per dozen. Address

JOHN G. EISELE,

20th and Ontario Sts., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

BIG BOSTON FERNS

Pot-grown, ready for 8, 9, 10 in., 20 to 3 fronds, 2 to 3 feet long. There is money in them for you, just what you want for Fall trade. First size, $1.00; 2d size, $75 cts. each. Get them while they are going. Cash, please.

A. J. BALDWIN, Newark, Ohio.

Mention the Florists' Exchange when writing.

FINE PALMS.

Kentia Belmoreana and Forsteriana—4 in. pots, $35.00 per 100; 6 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, from $2.50 upwards.
Phœnix Reclinata, 4 in. pots, $20 per 100; 5 in. pots, $40 per 100; 6 in. pots, 35c. each; 7 in. pots, $1.25 each; specimen plants, $2.00 upwards.
Areca Lutescens, 3 in., $15 per 100; 4 in., $25 per 100.
Latania Borbonica, 4 in., $20 per 100.

JOHN BADER, Troy Hill, **Allegheny, Pa.**

L. D. TELEPHONE 872A.

Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.

1730 CAMBRIDGE ST.

Mention the Florists' Exchange when writing.

FERNS. FERNS.

This year our ferns are in fine shape.
A good variety and fine bushy stock.
2¼ in. pots, $3.00 per 100; $28 00 per 1000.
Asparagus Plumosus Nanus, 2½ in. pots, strong, $6.00 per 100.
Asparagus Sprengeri, 2½ in. pots, strong, $4.00 per 100.

HENRY WESTON & BRO., Hempstead, N.Y.

Mention the Florists' Exchange when writing.

ARAUCARIA EXCELSA 5½ inch pots, 3 tiers, from 9 to 11 inches high, 80 cts.; some for 70 cts., a little smaller.
Ficus Elastica (Rubbers), 5 inch pots, from 18 inches upwards, 50 cts. each; $5.00 per doz. (very fine).
Boston Ferns, 4 inch pots, $2.00 per doz.
Umbrella Plants, 5 inch pots, $5.00 per 100
Tuberous Rooted Begonia, 4 inch pots, mostly white, etc., 75 cts. per doz.
Heliotropes for winter-blooming, fine plants $5.00 per 100.

Godfrey Aschmann, 1012 Ontario St., Rising Sun, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

Jardiniere Ferns

ELEGANT STOCK.

$3.00 per 100; $25.00 per 1000.

Roses for the South. Varieties most adapted for southern planting. Just the thing you want. Stock A No. 1. Write for Price List.

J. B. HEISS, The Exotic Nurseries, **Dayton, Ohio.**

Mention the Florists' Exchange when writing.

SPECIAL CASH PRICES

For two weeks only I offer some of my most select stock at following reduced prices. My whole sale Trade List will be mailed October 15th, containing regular trade prices on my specialties. Order quick if you wish to take advantage of these low rates.

BOSTON FERNS Large plants from bench, for 6 in. pots and over, $2.50 per doz.; $15.00 per 100; $140.00 per 1000.

FICUS ELASTICA 6 in. pots, 24 in. and over in height, $6.50 per doz.; $50.00 per 100.

KENTIA BELMOREANA 5 in. pots, 5 to 7 leaves, 18 to 28 in. high, bushy, $10.00 per doz; $75.00 per 100. 3 in. pots, short and bushy, just right for center pieces, $22.50 per 100; $200.00 per 1000.

ASPARAGUS SPRENGERI 2 in. pots, $3.50 per 100. 5 in. pots, $13.00 per 100.

ASPARAGUS PLUMOSUS NANUS 2 in. pots, $4.00 per 100. 3 in. pots, $6.00 per 100.

ARECA LUTESCENS 4 in. pots, 3 plants in a pot, 15 to 18 in. high, $3.00 per doz.; $25.00 per 100.

ADIANTUM FARLEYENSE Finest stock in the country. 3 in. pots, $25.00 per 100; $200.00 per 1000. 4 in. pots, $50.00 per 100. 5 in. pots, $9.00 per doz. 5 in., extra heavy, $12.00 per doz. 6 in. pots, $18.00 per doz. Larger sizes, prices on application.

NOTE—I have all other sizes of above plants in quantity. Prices will be found in my Fall Trade List, mailed on application.

EMERSON C. McFADDEN, United States Exotic Nurseries, TELEPHONE, 28 A MILBURN, **Short Hills, N. J.**

Mention the Florists' Exchange when writing.

WALTER RETZER & Co.

WHOLESALE PALM GROWERS

2045-59 CLARENDON AVE. (N. Halsted St.) CHICAGO, ILL.

WRITE TO US FOR PRICES BEFORE BUYING ELSEWHERE.

Mention the Florists' Exchange when writing.

BOSTON FERNS

Now ready. $5.00 per 100.

H. L. CAMERON, No Cambridge, Mass.

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FIELD-GROWN DRACÆNAS

24 to 28 inches high, fine strong plants, $1.25 per doz.; $10.00 per 100.

75 Clumps Bouvardia President Garfield, A. Neuner and Rosea Multiflora, at $1.25 per doz.; $10.00 per 100.

S. S. PECKHAM, New Bedford, Mass.

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ORCHIDS

A splendid stock of established and unestablished Orchids always on hand. A number of varieties now in sheath and spike.

CORRESPONDENCE SOLICITED.

LAGER & HURRELL, Summit, N. J.

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FLORISTS' ORCHIDS

SANDER ST. ALBANS, ENGLAND AND BRUGES, BELGIUM.

The largest and finest stock in the world.

A. DIMMOCK, our representative, is now in the U. S., and will be pleased to reply to any communications addressed to **60 Vesey Street, New York.** Lists on application.

Mention the Florists' Exchange when writing.

CHOICE FERNS IN FLATS.

100,000 at One Cent.

JOHN H. LEY, Good Hope, Washington, D. C.

Can supply very good, hardy plants, which, potted now, will fill a 2½ in. pot in a few weeks, best market sorts. Have sent by mail and express to every State and Canada, and have given universal satisfaction.

Sample 100 mailed, $1.25 1000, in 10 Sorts, by Express, $10.00.

Pteris Cretica Alba, P. Adiantoides, P. Longifolia, P. Hastata, P. Suicate, P. Tremula, Adiantum Grandiceps, Nephrodium Cristatum, Lygodium, Lomaria Gibba, Selaginellas, &c., &c.,

POST ORDERS, GOOD HOPE, D. C.

Mention the Florists' Exchange when writing.



Nephrolepis Wittboldi

Do not fail to procure some of the first stock, for which we are booking orders.

THE GEORGE WITTBOLD CO.,
1657 Buckingham Pl., Chicago.

BARGAIN OFFER TO CLEAN UP!

BOSTON FERN 2½ inch, $2.50 per 100. 3 inch, $5.00 per 100.

ACALYPHA SANDERI 2½ inch strong plants, $3.00 per 100; $25.00 per 1000.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

Asparagus Plumosus Nanus,

EXTRA STRONG, from 3 in. pots; about ready for a 4-in. shift.

$1.00 per doz.; $8.00 per 100; $70.00 per 1000.

Orders amounting to $5.00 and over, f. o. b. New York City; these, from unknown correspondents, will be sent C. O. D.

SEAWANHAKA GREENHOUSES, W. L. SWAN, Proprietor, Lock Box 227, OYSTER BAY, NASSAU CO., N. Y.

Mention the Florists' Exchange when writing

Special Offer of

PALMS, ETC.

For DUTCH BULBS

See last issue of this paper, page 902.

KENTIA BELMOREANA—
4 in. pots, $4.00 per doz.; $30.00 per 100.
6–7 in. pots, $18.00 per doz.

KENTIA FORSTERIANA—
3 in. pots, $2.50 per doz.; $25.00 per 100.
4 in. pots, $4.50 per doz.; $35.00 per 100.
5 in. pots, $6.00 per doz.; $45.00 per 100.
6 in. pots, $15.00 per doz.
6 to 7 in. pots, $18.00 to $24.00 per doz.
7, 8 to 9 in. pots, 40, 45 to 50 in. high, $2.50, $3.00, $3.25, $4.00 each.

Also a few dozen larger specimens, $8.00, $10.00, $12.00, $15.00, $20.00 each.

ARECA LUTESCENS—
3 in., $15.00 per 100; 4 in., $25 per 100.

ACACIA PARADOXA, 6 to 7 in. pots, $5.00 per doz.; well budded.

METROSIDEROS, Bottle Brush, 6 to 7 in. pots, $4 per doz.; well budded.

POINSETTIA, stock plants, 15 cts. to 25 cts. each.

BOUVARDIA, best pink variety, field-grown plants, $10.00 per 100.

ASPARAGUS SPRENGERI, $10.00 per 100.

HYDRANGEA OTAKSA, field-grown, $10.00, $15.00, $20.00 per 100.

BOBBINK & ATKINS, Rutherford, N. J.

Mention the Florists' Exchange when writing.

50,000 BOSTON FERNS

I Make a Specialty of

N. EXALTATA BOSTONIENSIS

Small plants, $4.00 per 100 or $35.00 per 1000; large plants, $6.00 to $50.00 per 100; taken from the bench.

FERNS In 5 in. pots, $3.00 per doz.; 6 in. pots, $6.00 per doz.; 7 in. pots, $9.00 per doz.; 8 in. pots, $1.00 each.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6 in. pots, from $1.00 to $1.50 each; 7 in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 in. pots, $3.00 and $4.00 per doz.

Asparagus Plumosus, 2½ in. pots, $5.00 to $8.00 per 100; 3½ in. pots, $10.00 per 100.

Asparagus Sprengeri, 2½ in. pots, $5.00 to $8.00 per 100.

Araucaria Excelsa, 14 to 18 in. high, 4 to 5 tiers, 6 in. pots, $1.00 and $1.25 each; 20 to 24 in. high, 5 to 6 tiers, 8 in. pots, $1.50 each; larger size, $2.00 and $2.50 each.

Rubber Plants, 20 to 32 in. high, $5.00 to $9.00 per doz.

Chinese Primroses, 3½ inch pots, $6.00 per 100.

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. **Connected with Telephone.**

Mention the Florists' Exchange when writing.

A Few Good Things You Want

KENTIA BELMOREANA and **FORSTERIANA,** 2½ in., 10c.; 3 in., 18c.; 4 in., 35c.; 5 in., 50c. each.

ARECA LUTESCENS, 3 in., 3 plants to pot, 18c.; 4 in., 25c. each. All cool grown, nice clean stock, and cannot be duplicated anywhere for the money.

BOSTON FERN, 3 in., $8.00; 4 in., $15.00; 5 in., $30.00 per 100.

SWORD FERN, Nephrolepis Cordata Compacta, 2½ in., $3.00 per 100.

SMILAX, 2 in., $2.00 per 100.

ROSE BRIDESMAID, 3 in., $5.00 per 100.

REX BEGONIA, finest varieties, 2½ in., $4.00; 3 in., $6.00 per 100.

GERANIUMS, double and single, Orant, Mme. Bruant, Mrs. E. G. Hill, Poitevine, Bonnat and S. A. Nutt, 3 in., $5.00 per 100.

CAMPBELL VIOLET and **VINCA VAR.,** 2½ in., $3.00 per 100.

PRIMULA CHINENSIS, 2 inch, $3.00; 3 inch, $4.00 per 100.

CYCLAMEN GIGANTEUM, 2½ inch, $4.00; 3 inch, $8.00 per 100.

ASPARAGUS Sprengeri and **Plumosus,** 2 in., $3.00; 3 in., $8.00 per 100. Cash with order.

Will exchange any of above for good field-grown plants of Flora Hill Carnation.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

JOSEPH HEACOCK

WYNCOTE, PA.

OFFERS THE FOLLOWING HOME-GROWN

PALMS

Free from Insects and Disease of any kind. They cannot fail to give satisfaction. Should be seen to be appreciated. **A Trial Order Is Solicited.**

ARECA LUTESCENS.

3 plants,	6 inch pot,	24 inch	$12.00 per dozen	$100.00 per 100
3 "	8 "	30 "	30.00 "	
3 "	8 "	36 "	36.00 "	

KENTIA BELMOREANA.

4 inch pot,	5 to 6 leaves,	15 inch high	$4.50 per dozen	$35.00 per 100
6 " "	6 "	24 "	15.00 "	125.00 "
6 " "	6 to 7 "	26 "	18.00 "	150.00 "
8 " "	6 to 7 "	30 to 32 in. high	$3.00 each.	
8 " "	7 to 8 "	36 inch	4.00 "	

KENTIA FORSTERIANA.

inch pot,	4 to 5 leaves,	15 inch high	$4.50 per dozen	$35.00 per 100
" "	6 "	36 to 40 in. high	$3.00 each;	$36.00 per dozen.
" "	6 "	48 to 50 in. "	4.00 "	48.00 "

ALL MEASUREMENTS ARE FROM TOP OF POT.

Mention the Florists' Exchange when writing.

PALMS

ETC.

Hardy, Stocky and Perfect in Every Respect. The Best at Fair Prices.

Areca Lutescens Three plants together, 4 inch at 25c.; 6 inch at 50c., 75c. and $1.00; 8 inch at $1.50; 10 inch at $4.00 and $5.00; 14 inch and 16 inch, fine bushy specimens, at $15.00 to $35.00 each.

Latania Borbonica Strong and stocky, 4 inch at 25c.; 8 inch at 50c. and 75c.; 8 inch at $1.50.

Kentia Belmoreana Strong plants, 3 inch at 25c; 4 inch at 40c. and 50c.; 5 inch at 75c.; 6 inch at $1.00, $1.25, $1.50; 8 inch at $2.00.

Kentia Forsteriana 3 inch at 25c.; 4 inch at 4 c. and 5 c.; 8 inch at $2.50; 8 inch bushy, at $3.50; 8 inch, with Latania Borbonica, at $3.50.

Livistona Rotundifolia 4 inch at 40c.; 6 inch at 75c.

Pandanus Veitchii 6 inch at $1.00; 8 inch at $2.00.

Ficus Elastica, Araucaria Excelsa, Cocos Weddeliana, &c., &c.

Send for Price List. **CHAS. D. BALL, Holmesburg, Phila., Pa.**

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO., LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00.
Payable in advance. The date on the address label indicates when subscription expires.

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When notifying the publishers to send the paper to a new address, give both old and new addresses.

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Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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SCRIBNER'S.—Richard Harding Davis concludes his narrative of the Boer War with a brilliant article in the October Scribner's on "The Last Days of Pretoria." Mr. Davis's sympathies are (as shown in his previous article) strongly with the Boers.

GOOD HOUSEKEEPING—That old favorite among household magazines, Good Housekeeping, enters upon a new career with the October number. It has been purchased by the widely-known Phelps Publishing Co., of Springfield, Mass., and the October issue is bright, with the promise of a large mission, that of offering help and inspiration for the higher life of the household.

In a resumé of the recent convention of the S. A. F. O. H., held in New York, published in The Gardeners' Chronicle, London, of September 22, Mr. Leonard Barron, editor of American Gardening, remarks regarding the "O. H." appendage to the society's title: "Of course, it is well recognized that the self-laudatory term is not good English; it should be 'Ornamentative.' It stands, nevertheless."

Mr. Barron also says the publishing of the daily edition of the FLORISTS' EXCHANGE, during the convention, "was a great undertaking, and well carried out."

New York City's Markets.

In a recent interview published in The Mail and Express, Commissioner Kearny, of the Department of Public Buildings, Lighting and Supplies, calls attention to the great need of repairs existing in connection with the majority of the city's market buildings. As regards the one used by the members of the New York Market Florists' Association, the Commissioner is reported to have expressed himself as follows: "The markets are in a deplorable condition. Why, Clinton Market is actually falling to pieces. The roof has caved in, and I cannot repair it because I have no money for the purpose."

Referring to the late plant market at Union Square, the Commissioner, (who, by the by, takes credit, according to the interview, for having had a hard fight to get the Board of Aldermen to pass an ordinance establishing the flower market there), states an amendment was inserted at the last minute requiring that market to close at 7 a. m. This was done, he says, in the interest of those florists (presumably retail florists) who wished to keep the trade, and was the means of defeating his flower market scheme. Mr. Kearny adds: "An ordinance designed to transform Clinton Market into a flower market is pending in the Municipal Assembly. (This ordinance has passed the Board of Aldermen, has been approved by the Mayor, and referred to the Board of Estimate and Apportionment for action.) It will not meet the requirements of the case, because Clinton Market is too far down town."

We had a talk with the Commissioner one day this week on the subject of a flower market for the city. He is interested enough in the matter to be willing to lend his assistance as far as possible, looking toward the establishment of such an institution; his idea being that same should partake more of the nature of a retail market than otherwise. He believes that were the subject properly presented to the municipal authorities, showing to what extent a flower market would prove a satisfactory source of revenue to the city, there is a great probability of the authorities erecting a suitable structure in some of its vacant spaces in a central location, that would meet the requirements of the florists' trade.

There are many in the trade who believe with the Commissioner that Clinton Market, even in its rehabilitated condition, is not in the proper location for the flower market of the metropolis, but as some of those who favor it remarked, "it is a beginning, and may in time lead to what we require." Still, if by agitation, united effort and perseverance a step farther in the proper direction can be made at the present time, the attainment of such would seem worth striving for.

New York is being constantly reproached by those of her citizens who have visited such European capitals as Paris and London, when it comes to the matter of a general flower and plant market within her borders. A similar condition as regards New York's parks prevailed about half a century ago. Now, thanks to the opportune assistance then rendered by the late lamented Downing, and the good sense and magnanimity of her people, New York's park system leads the world to-day, and is the pride and glory of all who dwell, as well as the admiration of those who visit within her gates. New York is also the fortunate possessor of a Botanical Garden that bids fair to take a foremost place among similar institutions existing the world over. Is there, then, any reason why, with the same energy and public spirit that created her parks and her Botanical Garden, displayed in the case of a general plant and flower market, the latter should not take form and assume a like position to what these others now hold?

Let those most concerned lend their utmost aid in the matter, thus relieving the city of a stigma that has for long attached to it, and in a substantial manner making for the material betterment of the trade generally.

Referring to the illustrations in last week's issue, J. B. Heiss, of Dayton, O., informs us that he now has 22 houses devoted mostly to palms. Trade in this branch has been quite satisfactory during the Summer, and the outlook for a good Fall trade is favorable.

Chrysanthemum Society of America.

In another column President Arthur Herrington, of the Chrysanthemum Society of America, makes a timely appeal on behalf of this association. Mr. Herrington points to the success which has attended the carnation and rose societies, both as regards work accomplished and membership, and asks a measure of support for the Chrysanthemum Society, similar to that which has been accorded the other bodies cited.

We are glad to see, also, the president advocating an annual exhibition under the Society's auspices, in some of our prominent cities, and the enlarging of the Society's scope, so as to include all phases of chrysanthemum growing. Much of the success of the other societies devoted to the improvement of special flowers can be attributed to the magnificent exhibitions given under the auspices of each, as well as to the interest centering in the annual meetings of the societies in question held in conjunction with such shows. We firmly believe that greater enthusiasm in the Chrysanthemum Society and its work would be engendered were the Society to follow in the lines of the associations mentioned, and which have tended so much to their material advancement. The annual meetings of the Chrysanthemum Society in August have, as has been frequently pointed out by us, been unworthy of the great chrysanthemum cult in America. Change the date of the meeting to that on which the Society's exhibition (now proposed) is held, and the present supporters of the Chrysanthemum Society will be astonished at the increased interest and membership following this necessary innovation, and wonder at and blame their own obstinacy, in holding so long to a practice which has undoubtedly proven such a great deterrent to the welfare and progress of the Society.

Society of American Florists and Ornamental Horticulturists.

DEPARTMENT OF PLANT REGISTRATION.

W. Atlee Burpee & Co., Philadelphia., register the following new dahlias:

SALMON QUEEN (Peacock)—Decorative, height 3½ feet, bushy grower; flowers large, salmon, deepening to orange-salmon toward center; petals long-pointed.

HARLEQUIN (Bassett)—Fancy, dwarf, branching, with long slender stems; height, 2 feet; flowers, small to medium, crimson with white stripe through each petal; stripe sometimes suffused with pink; flowers occasionally solid crimson.

Gustav Obermeyer, Parkersburg, W. Va., registers new canna, WEST VIRGINIA, a seedling of Queen Charlotte, color of Gloriosa, with narrower yellow band. Full spike and very dwarf.

M. H. Walsh, of Woods Holl, Mass., registers new rose, "FLUSH DAWN." Hybrid tea, flowers light pink changing to white, fragrant, five to six inches in diameter when open. Vigorous grower, stems 2½ to 3 feet; foliage dark and glossy; continuous bloomer.

WM. J. STEWART, Secretary.

The Sander Cup.

We present herewith an illustration of the cup donated by F. Sander & Co., St. Albans, England, and Bruges, Belgium, at the recent S. A. F. convention exhibition held in New York City. The cup was won by Julius Roehrs, Carlton Hill, N. J., and the conditions governing the award were as follows: "For the most creditable exhibit in the trade exhibition department. The exhibit which shows the greatest enterprise in its contents and its arrangement, and is calculated to attract, in the opinion of the judges, the greatest amount of attention from trade visitors, will be entitled to the cup. All classes of trade exhibits are eligible for competition."

The prevalent long-credit system is the most mischievous feature of the flower trade as conducted to-day.—*New York Correspondent American Florist.*

That is a fact, well known and appreciated by everybody concerned. Yet it must not be without its advantages. Otherwise those most affected would set about at once to remedy existing conditions. Why wail intermittently over a grievance which concerted effort would tend to eliminate? Oh, the perversity of human nature!

New York.

The Market.

The trend of the flower trade this week points to a better demand for high-class stock in roses, with the supply diminishing. The quantity of mildewed foliage now observed is something enormous. The impression that two feet of mildewed stem, with a hollow formed flower at the top, constitues a special rose, seems to be gaining ground. This is not the case, however, and when the foliage is not good, the stem might just as well be cut short in the packing room, and the flower sent to market as a Number 2, for the length of stem alone does not make the grade, and never will.

Extra Bride have touched the $6 per 100 mark, and specials, in very small lots, reached 8c. each. On the other hand, poor, soft stock coming in meets with scarcely any demand, and has to be offered at prices that seem very low in proportion to what fancies and extras are bringing.

American Beauty, through some cause or other, are decidedly inferior in color to what they were one week ago. Those who are fortunate enough to have these flowers just right have no trouble in maintaining the price which reaches $3 per dozen for the best. Where they are off color, however, the blooms have to be sacrificed to clear them out.

Liberty is becoming stronger as the season progresses, and is gaining in favor. Golden Gate is rather weak in the stem as yet; and is not decided enough in color to suit a great many buyers.

Carnations have advanced a step; the best white kinds have brought $2 per 100 when with long stems. Scott and other ordinary varieties fetch from 75c. to $1.25 per 100, except when very poor; then they do not realize more than 50c. Orchids were probably never so plentiful as they are at present; they are to be had by the thousand if it were necessary. Oncidiums and cypripediums do not find much favor, but cattleyas, owing to the better class of funeral work going, and to their cheapness, have been in fair demand for several days.

Chrysanthemums are not so much in evidence; still, there are good blooms of several varieties coming in, notably Lady Fitzwygram, Mme. Gasteiller and Marquis de Montmort. There was a call for yellow blooms, but they were not to be had.

Among the Retailers.

Funeral work has constituted the main part of the business the past week. Cattleya labiata were the flowers used for a canopy at the obsequies of a banker at Mount Vernon recently.

Fred Sewig, late with Herman Kuhn, has taken the store at 940 Sixth Avenue, formerly occupied by Fred Donohue, and will conduct a retail business there.

Henry Butler, of 918 Broadway, is on the sick list. A new retail store has been opened at 860 Sixth Avenue by Smith & Hammer.

Chas. A. Dards' store was entered by a burglar on Wednesday morning last. The thief was caught by one of Mr. Dards' men, and turned over to the police. He has not yet been tried.

Auction Sales.

J. P. Cleary conducted a sale at the Stoke Pogis Nurseries on Wednesday and Thursday of this week.

The sales in the auction rooms have been well attended and satisfactory prices have ruled.

Sander & Co.'s annual orchid sale will occur on Tuesday, October 16, at Cleary & Co.'s rooms. Mr. Dimmock will offer, as usual, many rare and valuable novelties. The catalogue of the sale is ready for distribution, and may be had on application. J. P. Cleary will be the auctioneer.

Jottings.

Mr. and Mrs. Wm. Plumb sailed for England on Tuesday by the Oceanic. James Cowles, of Newport, R. I., was also a passenger on the same steamer.

Julius Roehrs has about 5,000 blooms of Cattleya labiata on his plants at the present time. This is the largest crop of these flowers probably ever seen at one place on this continent.

The meeting of New York Florists' Club will be held on Monday evening the 8th inst., in the rooms, corner of 27th Street and Broadway. The house committee promises refreshments, and Samuel Henshaw will give a descriptive talk on what he saw while abroad. The matter of the Club assisting in the relief of the Galveston florists will be considered.

The Bowling Club will meet at 4 p. m., same day, at the store of Traendly & Schenck, 38 West 28th Street.

Boston.

Market Notes.

The market is in good condition for an improvement in business, which, if it amounted to much, would about use up the daily supply. As it is now, there is an overstock of many things. There is a good demand for the finer quality roses which are not over-plentiful. American Beauty of best grade do pretty well at $20 to $25 per 100, with ordinary stock, more plentiful, fetching $6 to $16 per 100. Good Bride and Bridesmaid do not appear very fast, but, of course, the weather is not suited to an improvement in quality; still the flowers are swelling a little and the color of Bridesmaid is improving. Prices hold about the same as last week.

Here and There.

Fred R. Mathison, of Waltham, has returned from a most enjoyable trip through the White Mountain range, having been gone about a week.

both of these gentlemen lost, they clubbed together, and made it one dinner for 20, settling both bets at one time. When Messrs. Hatch and Wood entertain any description is superfluous; suffice it to say that everything was done up to the "Queen's taste," even though Her Majesty's yacht was responsible for it.

The invitations and menu cards were very neatly gotten up, being replete with nautical terms, cleverly adapted.

F. J. N.

St. Louis.

The Market.

Trade still comes up to expectations in a general way. The supply of stock is about sufficient to meet the demand. Roses are selling at 2c. to 4c. Bridesmaid are a little off color, just now. Beauty have been quite plentiful, but a special demand one day this week used them all up; they have been bringing from $2 to $4 per dozen.

Carnations are in good supply, at 50c. to $1.50 per 100. Asters are somewhat



THE SANDER CUP.

The stall-holders took possession of their new stalls at the Flower Market on Monday morning; several changes were noticed.

Del Cartwright is now salesman at the Market for the Waban Rose Conservatories, and is handling quantities of roses.

Donald Carmichael is cutting some good flowers from both his seedlings, Eleanor Ames and May Whitney, the former being the only pink carnation he is growing this year.

John Pritchard is bringing in a few very good early chrysanthemums in pots, for which he finds ready sale at $6 and $10 per dozen in two sizes.

The improvement in the florists' supply department of George A. Sutherland's business, has necessitated the taking of a large floor at 14 Bosworth Street.

Another of the older private greenhouse places about Boston, which are now getting very scarce, has been broken up, and the plants sold at auction. They were from the Barthold-Schlesinger estate in Brookline.

A party of the Old Guard journeyed to the Point Shirley Club House, on Friday of last week, in response to an invitation received from Edward Hatch and Edmund M. Wood, each of whom had bet "the dinners for ten" with Lawrence Cotter, on the Shamrock's winning one leg, in the yacht race last Summer. As

scarce, and the receipts are from other points, where they seem to be grown better than here.

News Items.

Henry Felter, of 4335 Lexington Avenue, has without doubt as fine a lot of pot-grown chrysanthemums as was ever offered in this city. We refer to market plants, as he does not grow chrysanthemums for show. They are simply perfect, grown in six to eight-inch pots, the plants often being two to three feet in diameter.

The Englemann Botanical Club gave a show of native wild flowers last week. The collection is said to have been very extensive and complete. The exhibition was enjoyed by some 3,000 visitors.

Fred Weber, Jr., has left a position in a city bank, and has gone to work for A. N. Pierson, Cromwell, Conn., to learn the florist business.

Walter Krauswick has bought out the Old Orchard greenhouses built by A. Berdan. He will grow cut flowers for the local market.

The Reissen Floral Co. had the decoration for our big Veiled Prophets' ball, held at the Merchants' Exchange. The principal decoration was the fountain, which was draped with smilax and vines, interspersed with bunches of flowers, the base being heavily banked with plants. The effect when the fountain was playing, and the electric lights turned on, was magnificent.

Visitors: C. W. Scott, representing Vaughan's Seed Store, Chicago.

C. C. S.

CHANGES IN BUSINESS.

ROANOKE, VA.—F. Fallon has established a retail flower store here at 106 Jefferson street.

MARIETTA, O.—C. H. Smith and Robert Pugh have taken a one-year lease of the Fisher greenhouses, at Williamstown, and have already taken possession of the same.

NEW ROCHELLE, N. Y.—E. T. Palmer has taken a five-years' lease on the place formerly occupied by G. J. Busteed, on Webster avenue, and commenced a general florist business. He is also erecting some frames for forcing vegetables.

CHICAGO.—The firm of Walter Retzer & Company, 2045-2059 Clarendon avenue, Chicago, was dissolved September 26. The business will be continued by Walter Retzer under the name of "Walter Retzer & Company." All liabilities of the firm have been assumed by him.

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GALVESTON RELIEF FUND.

"Open Thine Hand wide unto thy Brother, and to thy needy, in thy Land."

The publishers of the FLORISTS' EXCHANGE have, for the convenience of our readers, decided to receive subscriptions at this office for the Galveston relief fund, which will be at once acknowledged in these columns, and the amount contributed forwarded to the proper authorities as the donations of our trade on behalf of their suffering brethren in the storm-swept sections. Checks and money orders for the Galveston relief fund should be made out in favor of the A. T. DeLa Mare Printing and Publishing Co., Ltd., crossed "in aid of Galveston sufferers."

The known contributions to the fund for the relief of trade sufferers by the Galveston disaster have up to date been so slight as to lead to the belief that our readers generally have not realized the magnitude of the disaster to their unfortunate brethren in that city, and that after perusing the figures furnished herewith, by Mr. J. D. Pruessner, himself one of the largest losers, they will loosen their pursestrings right liberally, maintaining their class reputation as being the most generous of givers to those in adversity.

As will be seen from the tabulations herewith presented five families have been partially or wholly wiped out, including a property loss estimated very carefully at $17,950, while eleven other concerns, whose representatives esteemed themselves fortunate to have escaped with their lives, have lost in property value alone, $26,550, this money summary taking no account of cumulative losses, occurring through present complete inability either to pursue or obtain business.

Surely herein is sufficient evidence for appeal to our readers to come at once and without further hesitancy to the succor of the stricken ones, either with money or seasonable plant supplies, and we hope to see following this publication a spontaneous and gratifying response from all parts of the country.

Contributions in money may be mailed direct to Sealy, Hutchings & Co. Bankers, Galveston, Texas, with directions to apply same to the "Florist Relief Fund," or may be made through this office. In either case we would like to have the names of contributors for publication.

Contributions in stock are also solicited, the same not to be forwarded, however, until arrangements for its proper distribution have been effected.

A certificate for $154, all the money collected to date, was duly forwarded to Mayor Jones, with the suggestion that Mr. J. D. Pruessner, having gone carefully over the entire field of losses, might be a good man to put on the committee of distribution, together with some other party of his own selection.

President O'Mara will bring up this matter before the New York Florists' Club at its meeting on Monday evening next, and we would suggest that every Florists' Club and Gardeners' Association throughout the country do likewise, in fact some of the clubs already have acted.

Next most important point after contributing is to ensure a fair and equitable distribution of both plants and cash, and we acquiesce in Mr. Laeverenz's suggestion that the above-named firm of bankers act as trustee of the funds, disbursing same at their discretion.

GALVESTON, TEXAS, Sept. 30.

Publishers Florists' Exchange:

The Hon. Walter C. Jones, our mayor, has referred to me your kind letter of recent date to him, asking to furnish you with the necessary data and correct estimate of losses sustained by the Galveston florists in the terrible tornado which swept over and devastated our lovely city. I enclose you said list, and think the estimates given are correct. I would further beg to advise distribution of funds through a local bank, according to annexed schedule, if approved by you. This would be the best method of reaching the craft more surely. As a local bank I beg to name Messrs. Sealy, Hutchings & Co., one of the soundest institutions in the South. I have forwarded you, under separate cover, photograph of my place, which, as you will perceive, was shora clear of everything; that which the waves did not take will die from the effects of the salt water, with which the ground will be so impregnated that it will take many a heavy shower of rain to get the salt out of the ground. My place was partly paid for, and with no money to again improve and stock up, I will have to let go the good cash put down as part payment. We cannot tell yet to what extent the real estate has depreciated, but am convinced a good many of us will have to seek different fields. (The writer then gives a list of the dead, similar to that already published.) He adds: So far as I know, they have not left any one dependent; their places where they lived were swept away entirely. Thomas Kemp and wife I think took refuge in a two-story house in their neighborhood, which went down with 150 persons, of which one was left to tell the tale. I could not begin to relate to you the horrors of that night, when even reporters, who were sent here by Eastern and Western papers and magazines, collapsed after two or three days' work.

May God bless the FLORISTS' EXCHANGE for the noble work you are doing on behalf of the sufferers belonging to our craft.

A. G. LAEVERENZ,
Prop. Acme Nursery.

[The schedule of estimates of losses, with one or two additions, was the same as that furnished by Mr. Pruessner. Those supplied by Mr. Laeverenz have been added.—ED.]

LIST OF FLORISTS AND THEIR FAMILIES WHO PERISHED IN THE STORM AND FLOOD AT GALVESTON.

Also Valuation of Their Washed-Away Property.

	Property valued at
JOSEPH ROSENKRANZ, Wife and Child.	
Loss of furniture	$200.00
HENRY STEDING, Wife and Child.	
Plants, greenhouse, etc.	1,500.00
House and furniture	500 00
MRS. KLEINECKE and four Children (one boy saved, not dependent).	
Plants and greenhouse	750.00
House and property	5,000.00
THOS. KEMP, Wife and Mother-in-Law.	
Greenhouse and plants	1,500.00
House and property	1,000.00
MRS. THOS. KEATS, Husband and Daughter.	
Greenhouses and plants	2,500.00
House and property	5,000.00
Total	$17,950.00

LOSSES OF PROPERTY, PLANTS, GREENHOUSES, FLORISTS' SUPPLIES BY THE FLORISTS OF GALVESTON WHO ARE YET LIVING.

Estimated by Themselves and Collated by J. D. Pruessner.

J. C. WISE (Left town).	
Our valuation of his loss in plants	$250.00
MRS. HARRIS (Left town).	
Our valuation of plants and greenhouse	750.00
House and other things belonging to homestead	2,500.00
OLAF OLSON.	
Greenhouses, plants, etc.	800.00
House and furniture	700.00
MRS. JOHN MAUERER (Everything gone).	
Greenhouse and plants	1,000.00
Homestead, other property, furniture, etc.	3,250.00
CHAS. STEDING.	
Plants and supplies	1,000.00
Furniture in house	250.00
PAUL POPPE.	
Plants and supplies	1,200.00
4,000 roses, field-grown on mainland	400.00
MRS. EICKHOLT.	
Plants and supplies and damage to house and furniture	1,500.00
OTTO FEHRLIN.	
Plants in greenhouse and outside	3,500.00
Furniture	500.00
J. D. PRUESSNER.	
Plants in greenhouse and outside	3,500.00
Four greenhouses and damage to other buildings	1,300.00
Florists' store, with supplies, wall cases, etc.	1,100.00
Damage to furniture and clothing	300.00
F. G. LAEVERENZ. Acme Nursery.	
Nursery Stock	750.00
Improvements, Implements, Fixtures, Stock of Seeds	1,500.00
LATOUR FLORAL GARDEN	500.00
Total	$26,550.00

Editor Florists' Exchange.

Enclosed please find check for $5 to aid in the relief of the Galveston brethren. You may also draw on me for 1,000 choice young geranium plants, and 1,000 other miscellaneous plants whenever the Galveston florists are prepared to receive them.

C. EISELE.

[Mr. Eisele's contribution is most practical and welcome; we will gladly record a few hundred such.—ED.]

Contributions Received.

Peter Henderson & Co., New York City,	$100.00
C. W. Ward, Queens, N. Y.	50.00
The Florists' Exchange.	25.00
C. Eisele, Philadelphia, Pa.	5 00
John Birnie, West Hoboken, N. J.	2.00
Beaulieu, Woodhaven, N. Y.	2.00



Our Chrysanthemum Society.

Chrysanthemum time is with us again. Is it a coincidence, or is it the importance of the flower that is accountable for more flower shows being held in chrysanthemum time than at any other period of the year? To my mind, the fact is clearly demonstrated that the Queen of Autumn is so thoroughly ingratiated in popular favor that she is in no danger of being deposed. In short, the flower that was thought to be a popular fad is now an accepted entity.

Now that it is again coming in season, appears an opportune moment to say something on behalf of the society that is devoted to this special flower, and to bespeak for the Chrysanthemum Society of America such a full measure of support that the good work it has so far done, may be amplified and extended for the general good of all.

Special societies devoted to particular flowers have passed beyond the experimental stage, have proved by earnest, conscientious work that they existed for something more than mutual admiration purposes, and the aggregate of work accomplished shows material advancement of the subject.

Can any one deny that the American Carnation Society has justified its creation? Has not the resuscitated American Rose Society a fruitful field wherein to labor, and its initial effort this year is but an earnest of greater future attempts. The Chrysanthemum Society, too, is in the field, and the sum total of its accomplishments will be in an enlarging ratio with the support that is given to it.

For several years committees have met weekly during the chrysanthemum season in five leading cities, and have passed judgment upon such new varieties as were submitted to them. This surely is work of an important character in a flower so prolific in variety, and work of positive value to chrysanthemum growers. It has saved them money, time and wasted effort, in fruitless trials of varieties that they might have been tempted to try, if there had been no Chrysanthemum Society of America standard of merit, and no committee to judge in accordance therewith. For two years a substantial prize was offered at an early date to encourage the production of early flowering varieties of merit, but as these were not forthcoming the prize was last year offered for and awarded to the seedling scoring the highest average of points before the committees. This year a similar prize is offered for competition at Chicago in connection with the Chicago Horticultural Society's show, under conditions appealing to all growers, namely, for ten blooms of any one variety, new or old.

The society is working in harmony with the national chrysanthemum societies of England and France, and is offering a prize this year to be competed for at the forthcoming show of the French society in Paris this Fall.

But is this enough? We have a society capable of greater things, and it is the opinion of many that each recurring chrysanthemum season should see an exhibition held under the auspices of the National Society in one of our prominent

TOBACCO STEMS
"Good Strong Kind."
60 CTS. PER 100 LBS.
BALES WEIGH 500 LBS.
TOBACCO DUST
"THE BLACK STUFF."
Fine or Coarse to Your Order.
50 to 1000 lbs., 2 cents per pound.
H. A. STOOTHOFF,
118 WEST STREET, NEW YORK CITY.
Mention this paper.

cities. Let this become an accomplished fact, and in this enlarged sphere of activity the society will grow in membership and in influence with large resultant benefits accruing to those most interested.

There is plenty of work in the chrysanthemum field. We should take up the flower and develop it along other lines. There are other important points of view from which to regard it besides commercial adaptability, which is the dominating factor of our present work. We have an immense territory where chrysanthemums in the open air are not in danger of succumbing to early frosts. A national society should do something in this direction. Our first great need, however, is for more workers. And who, loving the flower or having aught to do with it, would remain outside the ranks of the society when membership in it costs but $1 a year! Join now, while the flower is in season, and a year hence you may be participating in the consummation of present hopes. Applications for membership, with the accompanying fee, may be sent to the secretary, Edwin Lonsdale, Wyndmoor, Philadelphia, Pa., at any time.

A. HERRINGTON, President C. S. A.

NEW YORK, N. Y.—E. Dalliedouze (chairman), care New York Cut Flower Co., 119 West 23d street.

PHILADELPHIA, PA.— A. B. Cartledge (chairman), 1514 Chestnut street.

CINCINNATI, O.—R. Witterstaetter (chairman), care Jabez Elliott Flower Market (care of janitor).

CHICAGO, ILL.—J. Wilson, care Illinois Cut Flower Co., 51 Wabash avenue.

Exhibits to receive attention from the committees must in all cases be prepaid to destination, and the entry fee of $2.00 should be forwarded to the Secretary not later than Tuesday of the week preceding examination.

EDWIN LONSDALE, Secretary.
Wyndmoor, near Philadelphia, Pa.

Chrysanthemum Committees.

President Herrington has announced committees to examine chrysanthemum seedlings and sports on dates as follows:—October 13, 20 and 27, November 3, 10, 17 and 24.

BOSTON, MASS.—A. H. Fewkes (chairman), Horticultural Hall, Tremont street.



THE GALVESTON DISASTER.

View in grounds of Otto Fehrlin, showing what remains of two Greenhouses that floated about fifteen blocks, and were wrecked at entrance to garden.



THE GALVESTON DISASTER.

House, at right side of J. D. Pruessner's Greenhouses, after the Storm.

A Chrysanthemum Leaf Miner.

We send you some chrysanthemum leaves injured by the work of a small worm. Please tell us what the pest is, and how to eradicate it. It attacks some varieties, such as Marion Henderson and Harry Parr, quite badly, while others in the same house are immune from its ravages. D.

—It is much easier to say what ails the leaves than to suggest a cure. It is a leaf-mining maggot that is at work here, and it is practically beyond the reach of insecticides. The most satisfactory method, on the whole, is to keep a sharp lookout, pick off and destroy every leaf at all badly infested, and crush between thumb and finger the little larva at the large end of the blotch or mine, if the leaf is not badly injured, or if its loss would harm the plant. This method will prevent the development of adult flies, and will check the increase later on, or the spread to other varieties.

[Prof.] JOHN B. SMITH.

Coming Exhibitions.

(Secretaries of other shows will oblige by sending us schedules.)

SAN FRANCISCO, CAL., October 25-27.—California State Floral Society. Mrs. Henry P. Tricon; secretary, 846 Grove street.

POUGHKEEPSIE, N. Y., November 6-8.—Dutchess County Horticultural Society. W. G. Saltford, manager, Poughkeepsie.

HARTFORD, CONN., November 6-9.—Connecticut Horticultural Society. L. H. Mead, secretary, Hartford.

BOSTON, MASS., November 6-9.—Massachusetts Horticultural Society. Robert Manning, secretary, Horticultural Hall.

CHICAGO, ILL., November 6-10.—Chicago Horticultural Society. W. N. Rudd, secretary, Room 1002, 185 Dearborn street.

MADISON, N. J., November 7-8.—Morris County Gardeners' and Florists' Society. Charles H. Atkins, secretary, Madison, N. J.

DENVER, COL., November 7-9.—Denver Florists' Club. A. M. Lewis, secretary.

COLD SPRINGS, N. Y., November 8-9.—Putnam County Horticultural Society. John A. Connolly, secretary.

WACO, TEX., November 13-17.—Texas State Floral Society. Mrs. M. B. Davis, secretary, Waco.

PHILADELPHIA, PA., November 13-17.—Pennsylvania Horticultural Society. David Rust, secretary, Horticultural Hall, Broad street.

NEW HAVEN, CONN., November 14-16.—New Haven County Horticultural Society. Robert Veitch, Jr., secretary.

PROVIDENCE, R. I.—November 14-16.—Rhode Island Horticultural Society. C. W. Smith, secretary, 61 Westminster street.

ST. LOUIS, MO., November 14-16.—St. Louis Florists' Club. Emil Schray, secretary, 4101 Pennsylvania avenue.

HOUSTON, TEX., November 15-16.—Mrs. M. E. Brynn, secretary.

BALTIMORE, MD., February 21-22, 1901.—American Carnation Society. Albert M. Herr, secretary, Lancaster, Pa.

NEW YORK, March, 1901.—American Rose Society, Leonard Barron, secretary, 136 Liberty street.



THE GALVESTON DISASTER.

Remains of a Palm House belonging to Otto Fehrlin, after the Storm.



THE GALVESTON DISASTER.

Wrecked Greenhouse Plant of J. D. Pruessner.

The Flower Mission, of Boston, Mass., located at 14 Beacon street, asks for donations of cut flowers for the purpose of distribution. State Superintendent Mrs. Samuel Wright Simpson informs us, "people living a hundred miles away may send flowers, for the Adams, American and National Express Companies will deliver the flowers free of charge, if they are addressed to The Flower Mission, Mass., W. C. T. U., 14 Beacon street, Boston." Send Saturdays only.

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Fine ROSES and CARNATIONS, Specialties.

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...Wholesale Prices of Cut Flowers...

	Names and Varieties	New York Oct 5, 1900	Boston Oct. 4 1900	Philadelphia Oct. 4, 1900	Baltimore Oct. 3, 1900	Buffalo Oct. 3, 1900
Roses	A. BEAUTY, fancy—special	15.00 to 25.00	20.00 to 25.00	20.00 to 25.00	.... to	20.00 to 25.00
	" extra	8.00 to 15.00	12.00 to 16.00	15.00 to 20.00	.... to	12.00 to 16.00
	" No. 1	4.00 to 8.00	8.00 to 10.00	10.00 to 15.00	10.00 to 16.00	5.00 to 10.00
	" Culls & ordinary	2.00 to 3.00	2.00 to 6.00	3.00 to 10.00	4.00 to 8.00	2.00 to 4.00
	Bride, 'Maid, fancy—spc'	4.00 to 6.00	.... to 6.00	4.00 to 6.00	.... to	.... to ....
	" extra	3.00 to 4.00	.... to 4.00	3.00 to 4.00	.... to	4.00 to 6.00
	" No. 1	2.00 to 3.00	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	3.00 to 5.00
	" No. 2	.75 to 1.00	.50 to 1.50	1.00 to 2.00	.... to 2.00	1.00 to 2.00
	K. A. Victoria	3.00 to 8.00	2.00 to 6.00	2.00 to 6.00	2.00 to 4.00	2.00 to 6.00
	Le France,	1.00 to 3.00	.... to	2.00 to 4.00	2.00 to 4.00	.... to ....
	Meteor	2.00 to 8.00	1.00 to 3.00	2.00 to 5.00	3.00 to 4.00	.... to ....
	Papa Gontier	.... to	.... to	.... to	.... to	.... to ....
	Perle	1.00 to 2.00	1.00 to 3.00	2.00 to 4.00	2.00 to 3.00	1.00 to 4.00
	Souv. de Wootton	.... to	.... to	.... to	.... to	.... to ....
	ORCHIDS—Cattleyae	15.00 to 25.00	.... to	25.00 to 40.00	.... to	.... to ....
	Cypripedium	.... to 12.00	.... to	.... to	.... to	.... to ....
	Dendrobium formosum	12.00 to 15.00	.... to	.... to 25.00	.... to	.... to ....
Carnations	Inf'r grades, all colors	.50 to .75	.50 to 1.00	.35 to .50	.60 to 1.00	.25 to .50
	STANDARD VARIETIES White	.75 to 1.25	.... to 1.00	.75 to 1.50	.... to	.75 to 1.50
	STANDARD VARIETIES Pink	.75 to 1.25	1.00 to 1.50	.75 to 1.50	.... to	.75 to 1.50
	STANDARD VARIETIES Red	.75 to 1.25	.... to 1.00	.75 to 1.50	.... to	.75 to 1.50
	STANDARD VARIETIES Yel.&Var.	.75 to 1.25	.... to 1.00	.75 to 1.50	.... to	.... to ....
	*FANCY— White	1.25 to 2.00	.... to 1.50	1.25 to 1.50	.... to	.... to ....
	(*The highest grades of standard var) Pink	1.25 to 2.00	.... to 2.00	1.25 to 1.50	.... to	.... to ....
	(*The highest grades of standard var) Red	1.25 to 2.00	.... to 1.50	1.25 to 1.50	.... to	.... to ....
	(*The highest grades of standard var) Yel.&Var.	1.25 to 2.00	.... to 1.50	1.25 to 1.50	.... to	.... to ....
	NOVELTIES	1.25 to 2.00	.... to 2.00	.... to	.... to	.... to ....
	ADIANTUM	.50 to .75	.50 to .75	.75 to 1.00	.... to 1.00	.75 to 1.25
	ASPARAGUS	35.00 to 40.00	.... to 50.00	25.00 to 50.00	25.00 to 75.00	50.00 to 60.00
	ASTERS	.50 to .80	.25 to 1.00	.... to	.... to	.25 to 1.00
	CALLAS	.... to	.... to	.... to	6.00 to 8.00	.... to ....
	CHRYSANTHEMUMS	6.00 to 15.00	.... to	.... to	.... to	.... to ....
	" Fancy	15.00 to 35.00	.... to	.... to	.... to	.... to ....
	DAISIES	.... to	.... to	.... to	.... to	.... to ....
	GLADIOLUS	.50 to 1.50	2.00 to 2.50	.... to	2.00 to 3.00	1.00 to 2.50
	LILIES	1.00 to 4.00	.... to	.... to	.... to	.... to ....
	LILY OF THE VALLEY	2.50 to 4.00	2.00 to 4.00	2.00 to 4.00	.... to	3.00 to 4.00
	MIGNONETTE—ordinary	.25 to 1.00	.75 to 1.0	.... to	.... to	.... to ....
	fancy	.... to	.... to	.... to	.... to	.... to ....
	SMILAX	8.00 to 10.00	10.00 to 12.50	12.00 to 20.00	10.00 to 25.00	10.00 to 15.00
	TUBEROSES	.75 to 1.00	.... to	.... to	2.00 to 3.00	.... to ....
	VIOLETS—ordinary	.35 to .75	.... to .50	.20 to .25	.... to	.... to ....
	" fancy	.... to	.... to	.... to	.... to	.... to ....

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned

BOSTON, MASS.
Asparagus Plumosus, Mignonette, Pink Pond Lilies, Brides, 'Maids, American Beauties
WELCH BROS.
PROPRIETORS
CITY HALL CUT FLOWER MARKET,
15 PROVINCE ST. — 9 CHAPMAN PL.
Kaiserins, Meteors, Carnots, Orchids, Valley, Carnations
Can furnish at short notice. Price according to quality of goods. Long Distance Telephone, 2161 and 2071.

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BEAUTIES, KAISERINS, 'MAIDS, VALLEY and ORCHIDS Our Summer Specialties and Can Supply in Quantity.
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Send us a Trial Order and we will do the rest.
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Receiving Daily Fine PRES. CARNOT, KAISERINS, METEORS, BEAUTIES, Etc.
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THE NEW YORK CUT FLOWER CO.
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112-114 West 24th St.,
Telephone, 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

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John I. Raynor,
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THE VIOLET SPECIALIST,
GEORGE SALTFORD,
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Devotes his whole time to selling VIOLETS.
Fair dealing and prompt payments guaranteed.

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Fine VALLEY in stock at all times.

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Greenhouses at Hinsdale, Ill.
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CUT FLOWERS AND FLORISTS' SUPPLIES
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...Wholesale Prices of Cut Flowers...

	Names and Varieties	Chicago Oct. 3, '00	St. Louis Oct. 3, '00	Cincinnati Oct. 2, '00	Milwaukee Oct. 3, '00	Pittsburg Oct. 2, '00	Toronto Sept. 19, '00
Roses	A. BEAUTY, fancy—special	20.00—25 00	....—	....—	20.00—25.00	20.00—25.00	....— ....
	" extra	15.00—18.00	12.50—15.00	....—	15.00—18.00	10.00—15.00	....—20.00
	" No. 1	8.00—10.00	6.00—10.00	10.00—15.00	10.00—12.5	5.00— 8.00	....—15.00
	" Culls & ordinary	3.00— 5.00	4.00— 6.0	....—	4.00— 8.00	2.00— 4.00	....— 5.00
	Bride, Maid, fancy-spec'l	....—	....— 4.00	....— 4 00	....— ...	6.00— 6.00	....— ....
	" extra	4.00— 5.00	....— 3.00	....— 3.00	....— ...	4.00— 5.00	1.00— 6.00
	" No. 1	2.00— 3.00	....— 2 00	....— 2.00	4.00— 6.00	2.00— 3.00	1.00— 6.00
	" No. 2	.75— 1.00	1.00— 1.5	....—	....—	....— 1.00	1.00— 4.00
	K. A. Victoria	2.00— 4.00	2.00— 5.00	....—	4.00— 6.00	4.00—10.00	....— ....
	La France	2.00— 4.00	....—	....—	....—	2.00— 4.00	....— ....
	Meteor	2.00— 5.00	2.00— 4.00	2.00— 6.00	4.00— 5.00	2.00— 6.00	1.00— 6.00
	Papa Gontier	....—	....—	....—	....—	....—	....— ....
	Perle	2.00— 3.00	2.00— 3.00	2.00— 3.00	3.00— 4.00	2.00— 4.00	1.00— 4.00
	Souv. de Wootton	....—	....—	....—	....—	....—	1.00— 6.00
	ORCHIDS—Cattleyas	....— 50.00	....—	....—	....—	....—	....— ....
	Cypripediums	....—	....—	....—	....—	....—	....— ....
	Dendrobium formosum	....—	....—	....—	....—	....—	....— ....
Carnations	Inf'r grades, all colors	.50— .75	....— .75	....— .50	....—	....— .75	.30— .75
	STANDARD VARIETIES White	....— 1.00	1.00— 1.25	....— 1.00	1.00— 1 50	.75— 1.00	1.00— 2.00
	STANDARD VARIETIES Pink	1.00— 1.5	1.00— 1 25	....— 1.00	1.00— 1 5	.75— 1.00	1.00— 2.00
	STANDARD VARIETIES Red	1.00— 1.5	1.00— 1.25	.75— 1 00	1.00— 1 5	.75— 1.00	1.00— 2.00
	STANDARD VARIETIES Yel.&Var	1.00— 1.5	1.00— 1 25	....— ...	1.00— 1.50	.75— 1.00	1.00— 2.00
	*FANCY— White	....— ...	1.50— 2 00	....—	....—	1.25— 1.5	....— ....
	*FANCY— (*The highest grades of standard var) Pink	....—	1.50— 2.00	....— 1.50	....—	1.25— 1.50	....— ....
	*FANCY— (*The highest grades of standard var) Red	....—	1.51— 2 00	....— ...	....—	1.25— 1.5	....— ....
	*FANCY— (*The highest grades of standard var) Yel.&Var.	....—	1.50— 2.00	....—	....—	1.24— 1.00	....— ....
	NOVELTIES	....—	....—	....—	....—	....—	....— ....
	ADIANTUM	.50— .75	.75— 1.00	....— 1.00	.75— 1.00	.75— 1.00	.40— .60
	ASPARAGUS	....—50.00	....—	....—	....—	35.00—50.00	....—50.00
	ASTERS	.50— 1.50	.75— 1.00	.75— 1.00	....—	.75— 1.00	.40— 1.50
	CALLAS	....—	....— ...	....—	....—	....—	....— ....
	CHRYSANTHEMUMS	6.00—12.00	....—	....—	....—	....—	....— ....
	" Fancy	....—	....—	....—15.00	....—	10.00—18.00	....— ....
	DAISIES	.25— .35	....—	....—	....—	....—	....— ....
	GLADIOLUS	2.00— 4.00	....—	....—	....—	2.00— 4.00	1.50— 4.00
	LILIES	10.00—12.00	....—	....—	....—	....—	5.00— 7.00
	LILY OF THE VALLEY	4.00— 5.00	3.00— 4.00	....— 4.00	....—	2.00— 4.00	....— ....
	MIGNONETTE—ordinary	....—	....— ...	....—	....—	....—	....— .50
	" fancy	....—	....—	....—	....—	....—	....— ....
	SMILAX	10.00—12.50	....—12.50	....—15.00	....—15.00	10.00—15.00	....— ....
	TUBEROSES	....—	3.00— 4.00	....—	....—	2.00— 5.00	....— ....
	VIOLETS—ordinary	.75— 1.00	.....—	....—	....—	....—	....— ....
	" fancy	—	.....	....—	....—	....—	....— ....

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GALAX LEAVES
For latest prices green and bronze Galax Leaves and Leucothoe, address the introducer,
HARLAN P. KELSEY,
Tremont Bldg., BOSTON, MASS.

Wild Smilax Is Now Arriving. Write for Prices.
Galax Leaves Brilliant Bronze or Green, $1.50 per 1000.
FANCY FERN, DAGGER FERN, Etc., at Market Prices.
HARRY A. BUNYARD, 42 W. 28th St., New York.

Firms Who Are Building.

TALLMADGE, O.—T. Rymes is having a new greenhouse built.

FARMINGTON, N. H.—James A. Fletcher will build a greenhouse 50 feet long.

BARRYTOWN, N. Y.—Charles V. Henton has built a house, 20x112 feet for violets.

CHITTENANGO, N. Y.—James Hood is enlarging and repairing his greenhouses.

COLUMBIA, S. C.—The Rose Hill Greenhouses are building a new house, 100 x 26½ feet, giving them about 12,500 square feet of glass.

WESTERN SPRINGS, ILL.—J. C. Vaughan has been making some additions and improvements to his greenhouse plant. He has built a new and much larger office, and enlarged and extended the center shed; and is putting down a cement floor. He is also adding two new wings to the west side.

ALBANY, N. Y.—The Department of Agriculture has issued certificates of inspection up to the first of October to 338 nurserymen; 348 duplicates have been issued for filing in other States. The inspectors examined 110 orchards, having an acreage of 2,724. In 1898, 6,749 acres of nurseries and 469 acres of vineyards were inspected. In 1899, 6,015 acres of nurseries and 817 acres of vineyards were inspected. Certificates issued to nurserymen aggregated 499, and 64 certificates were issued to vineyardists.
C. A. WIETING, Commissioner.
October 2, 1900.

E. G. HILL & CO.
Wholesale Florists
RICHMOND, INDIANA.

MERCER FLORAL CO.
CARL E. TAUBE, Proprietor,
WHOLESALE AND RETAIL
CUT FLOWERS,
Carnations a Specialty. TRENTON, N. J.
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Galax Leaves
CHAS. H. RICKSECKER, Linville, N. C.
Mention the Florists' Exchange when writing.

LAUREL FESTOONING
4c. to 6c. a yd.
Best goods always
CROWL FERN CO.
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J. G. LOVEN,
Montezuma, N. C.,
DEALER IN
GALAX LEAVES
at Wholesale.
Orders filled promptly. Correspondence Solicited
Mention the Florists' Exchange when writing.

NEW GALAX
GREEN GALAX .....$0.50 per 1000
CUT FERNS..... .60 "
LEUCOTHOE ..... 3.00 "
Cash with first order.
Satisfaction guaranteed.
J. N. PRITCHARD, Elk Park, N. C.
Mention the Florists' Exchange when writing.

Chicago.

Trade Conditions.

As cool weather prevails and firing is necessary, a decided improvement in stock is noticed day by day. Beauty are getting their true color, and are in good supply, selling fairly well. As price improves Kaiserin is pulling back. Bridesmaid and Meteor are of better quality, but one sees few really good flowers in the open market, and these might command $5 per 100, such flowers being reserved for special buyers and shipping orders. There are still plenty of the $1 or $2 per 100 quality.

Carnations, from out-of-doors, are nearly ended, but house-grown stock is ready to be substituted, although, as yet, the stems are short and the blooms of only medium quality. There are indications, however, of plenty of high-grade carnations for a little later, including most of the novelties.

Both white and yellow Lady Fitzwygram chrysanthemums, on October 1, were of better quality. There is quite a demand just now to fill orders for Buffalo. The selling price of this variety, if good, is $12 per 100. Some higher grade flowers are expected, for orders placed at Richmond, Ind., for the 8th; and, if good, may command $2 to $2.50 per doz.

Single violets are showing up. The flowers are small, but very sweet. They sell, so far, at 75c. to $1 per 100. Asters as yet seem to hold on, many being shipped from the East. Wild smilax is a regular feature again. Some lycopodium is selling at $3.50 to $4 per 100 pounds. Leucothœ sprays and galax leaves are also in, the latter mostly green stock as yet. Bunches of short asparagus, of both varieties, find good call, selling for $1 to $1.50 per 100; strings, 50c.; A. Sprengeri, 50c. a dozen. There is a fair demand for all green supplies.

The last week dahlias were much better in quality at $1 to $2 per 100. Gladiolus, late stock, is selling at $3 to $4 per 100.

Florists' Club.

A special meeting was called by the Florists' Club inviting thereto all the florists of the city, Saturday, September 29, for the purpose of soliciting aid for the Galveston florists. Committees were named to canvass each division of the city, and all the wholesale houses will receive subscriptions. As the regular meeting occurs October 5, it is expected that a favorable report will be ready by that time.

Among Growers.

So far as we can yet find out, chrysanthemums grown around Chicago this year are to be late. Last year quite a number were on the market all through September, and of a better class than any that have shown up this year at writing. Chicago growers seem to have fought shy of extra early varieties. Stollery Bros. grew this year 1,400 plants. Excepting one bench of October Sunshine and another of Yellow Queen, there is none up to the usual Stollery standard. George tells me he found it hard to get satisfactory buds to take at the usual time. The plants are healthy enough, but late in getting ready to bud.

Carnations are in fine shape. Argyle looks very promising. Flora Hill has had a siege of stem rot since housing. The brothers were in the midst of putting away, in flats, in the ground, 70,000 hyacinth, tulip and narcissi bulbs—more than usual with them. The tulips consist mostly of Chrysolora, Keizerskroon and Murillo. They have a fine bench of poinsettias again; also one of adiantum that is paying well.

S. J. Pearce's crop of chrysanthemums numbers 25,000; these are also later than usual; it will be well into October before any considerable number is ready to cut. Quite a few are purposely late. Sam is also in the buib way to the tune of 55,000. He has modernized all his old houses, and installed a new steam boiler.

John Laing has about the same number of chrysanthemums as last year—7,000. Although somewhat later, this stock is in excellent condition.

Albert Retzer grows about 4,000 chrysanthemums. He also has a big stock of bulbs, now being attended to.

Round About.

L. Vaughan, son of J. C. Vaughan, has entered at Cornell. George Wienhoeber, who left that university this year, is now at his father's store on Oak Street.

Mrs. Fred Hills, of Maywood, presented her hubby on the last day of September with a daughter.

Arthur Bather and Miss Jessie Bather of Clinton, Ia., passed through the city on the 27th, on their way home from the New York convention, after a six weeks' stay. It was their first trip East, and they were delighted with what they saw.

Walter Retzer has bought out his partner, Alfred B. Everett. The firm name remains unchanged.

A new wholesale store will shortly be opened by Adolph H. Poehlman, of Morton Grove, for the sale of his own stock. He has contracted for a 12x12 cooler. Charles S. Stewart will be the manager.

Albert F. Amling, of Maywood, has purchased the old Rockefellow greenhouse there, and next year will largely increase his own place by using the available material. Ess.

Cincinnati.

Trade Improves.

Business is improving nicely; stock, likewise. The Fall Festival, financially speaking, was a howling success, and while the florists' float did not win the thousand dollars, it was conceded to be the handsomest floral production ever witnessed in these parts. A description, with a photograph, will appear at a later date.

Quite a number of the craft from out of town were visitors. E. G. G.

VIOLETS. VIOLETS.
Maria Louise, clean and healthy in every particular 3 in. pots, $5.00 per 100; ready.
Cash with Order.
WM. J. CHINNICK, - Trenton, N. J.
Mention the Florists' Exchange when writing.

VIOLETS Fine, healthy clumps of Lady Campbell, field-grown from young plants rooted in sand last Spring, $3.00 per 100; $25.00 per 1000. Plants that will please, well backed. Address
CHARLES BLACK, Highstown, N. J.
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GIANT DOUBLE ALYSSUM 3 inch pots, $3.00 per 100.
CAMPBELL VIOLETS 2½ in. pots, $2.50 per 100.
Clean, Healthy, A No. 1 stock. Cash with order, please.
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Mention the Florists' Exchange when writing.

VIOLETS and CARNATIONS!
2000 Farquhar, field-grown, good plants, at $30.00 per 1000. 600 Scott, surplus for $15.00.
FRED'K A. TAYLOR, Cannelton, N. Y.
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VIOLETS Marie Louise, strong field-grown clumps, entirely free from disease, $4.00 per 100; house-grown, equally healthy, $3.00 per 100; $25 00 per 1000.
SMILAX Strong, bushy plants, from 2 and 2½ inch pots, must sell to make room, $5.00 per 1000 75 cts. per 100. Cash. Write for sample. Special price on the lot of 25,000.
R. KILBOURN, - Clinton, New Jersey.
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VIOLETS
L. H. Campbell, extra large, healthy, field-grown clumps, $4.00 per 100; $35.00 per 1000. 500 at 1000 rate.
SMILAX, very fine, large plants, $2.00 per 1000.
PANSIES, largest flowering show varieties, fine, stocky little plants, 75 cts. per 100, by mail; $2.00 per 500; $3.50 per 1000, by express
GUSTAV PITZONKA, Bristol, Pa.
Mention the Florists' Exchange when writing.

8,000
Lady H. Campbell Violets
Large, field-grown plants, $5.00 per 100; $45.00 per 1000.
RICHARD LANGLE, White Plains, N. Y.
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VIOLETS
MY SPECIALTY.
Per 100
Marie Louise, from flats, small, healthy.....$1 50
Princesse de Galles, extra large, from field, from 6 to 12 inches wide..... 5 00
Good size..... 3 00

CARNATIONS
Very extra large Jahn's Scarlet, from 12 to 25 shoots, $5.00 per 100; $45.00 per 1000.
Freedom, best bloomer, white, per 100, $4.00
CASH WITH ORDER.
FERD. BOULON, Seacliff, N.Y.
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PANSY PLANTS We offer a selected strain of NEW YORK MARKET PANSIES, all large-flowering and the very best colors, the best selection that could be made. We have a limited number of plants to sell at
$3.00 Per THOUSAND F. O. B. NEW YORK.
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500,000 PANSIES Fine, Strong Plants. **50,000 DAISIES**
Giant Trimardeau and Roemer's Superb Prize Strains of Pansies, 50c. per 100, postpaid; $3.00 per 1000; $12.50 per 5000, express. Our large flower strain, 40c. per 100; $2.50 per 1000; $10.00 per 5000.
Hardy Daisies, Snowball and Longfellow, 50c. per 100; $3.00 per 1000; $12.50 per 5000.
California Privet, 18 to 24 in., well branched, $2.50 per 100; $20.00 per 1000.
Rex Begonia, 2 inch, fine stock, $3.50 per 100. CASH, PLEASE.
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VIOLETS Extra large field grown clumps of Princess of Wales and California, 8 to 15 inches across, perfectly healthy. $5.00 per 100. Speak quick if you want them.
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VIOLETS At stock, free from disease: Lady Campbell, $2.50 per 100; $20.00 per 1000. Field-grown plants, $4.00 per 100; $35.00 per 1000.
ROSES Meteors, Perles, 'Maids and Brides, extra fine stock, 3 inch, $3.00 per 100, $20.00 per 1000.
CARNATIONS. A bargain on such varieties as White Cloud, Flora Hill, New York, Evelina, Scott, etc. Write for prices.
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PANSY PLANTS
Giant, fine mixed, very strong, per 1000, $3.00.
Orders not solicited for less than 500. Special prices on 10,000 or more, buyer to pay express charges. Cash must accompany order.
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The Largest Pansy Grower in America.
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The Jennings Strain.
My 1900 strain cannot be excelled; plants, finest mixture, 60c. per 100, by mail; $4.00 per 1000, by express. Seed, $1 per pkge.; $5 per oz. Cash with order.
E. B. JENNINGS, Lock Box 254. Southport, Conn.
Grower of the finest Pansies.
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PRIMULA CHINENSIS
In six colors, mixed, strong plants, out of 2 in. pots $2.00 per 100. Out of 3 in. pots, $3.00 per 100.
PANSY PLANTS
Cassier and Trimardeau, large flowering, 35 cts. per 100; $3.00 per 1000. (Cash with order.)
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BROOKLYN, N. Y.
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PANSIES
Harris's Improved Strain of large and extra fine colors. Plants from seed bed, 60 cts. per 100 by mail; $4.00 per 1000.
ABUTILON SAVITZII Rooted Cuttings, $1.50 per 100.
CASH WITH ORDER.
C. A. HARRIS & CO., Delanson, N. Y.
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PANSY PLANTS
Of finest strains, per 1000, $4.00.
Unrooted Double GEN. GRANT GERANIUM Cuttings, per 1000, $5.00.
CANNA ROOTS 1-3 eyes as they drop while digging, per 1000, $10.00.
FOR CASH.
WILLIAM STUPPE, Hollis, L. I., N. Y.
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Pansies Worth Raising
Seed, ⅛ oz., $1.00; 1 oz., $4.00
Nice Stocky Plants, 500 for $2.50; 1000 for $4.00
Per express at buyer's expense. Cash with order.
CHR. SOLTAU, 199 Grant Avenue, Jersey City, N. J.
Mention the Florists' Exchange when writing.

PANSIES
My strain is good and embraces a wide range of colors and varieties, 60 cts. per 100 by mail. $3.50 per 1000 by Express.
Hardy Plants at low prices, such as Veronica, Coreopsis, Funkia, Phlox, Columbine, Larkspur, Helenium, etc. Write for prices on quantities needed. Cash with orders please.
W. C. JENNISON, Natick, Mass.
Mention the Florists' Exchange when writing.

VAUTIER'S
MAMMOTH PANSY
New crop seed now ready. This is the largest and finest Pansy ever offered. We have testimonials from florists from all parts of the U. S praising its size and merits Trade packet, $1.00; oz., $4.00.
H. G. FAUST, 64 and 66 N. Front St., Philadelphia, Pa.
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Zirngiebel Giant Pansy
PLANTS NOW READY.
Giant Market, $5.00 per 1000. Giant Fancy, $10 00 per 1000. Also Seeds of the above strains, trade packages at $1.00 each.
DENYS ZIRNGIEBEL, Needham, Mass.
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A NOVELTY IN PANSIES.
Pansy growers who fail to include the giant flowered Mme. Perret in their collections will not be "in it" next Spring. Gorgeous colorings and extra large flowers. Can be seen in bloom at my place now. Oz., $4.00; large trade pkt., 25c. Small sample free on application. All other varieties at lowest price.
BEAULIEU, Walker and Belmont Aves. Woodhaven, N. Y.
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Roemer's Superb Prize
PANSIES
PLANTS READY NOW.
Free by mail, 65 cts. per 100; 250 for $1.50. By express, $4.00 per 1000; $7.00 per 2000; $10.00 per 3000; $15.00 per 5000.
CASH WITH ORDER.
PETER BROWN, Lancaster, Pa.
Grower of Extra Fine Pansies.
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HERR'S PANSIES
ALWAYS THE BEST and better every year.
They sell themselves. Try a hundred as an experiment.
Plants only, and ready October 1st to January 1st. Free by mail, 75c. per 100; 250 for $1.50; 500 for $2.50.
By Express, at your expense, $4.00 per 1000.
ALBERT M. HERR, Lancaster, Pa.
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Commercial Violet Culture
Price, $1.50. Send for a copy.
A. T. DE LA MARE PTG. & PUB. CO., Ltd.
P. O. Box 1697, New York.

Tarrytown, N. Y

The Tarrytown Horticultural Society held its monthly meeting September 27. F. R. Pierson Co. made a grand display of dahlias, comprising 17 varieties; these were awarded a certificate of merit. The same firm also showed three vases of cannas: Rosemaur, Mrs. Kate Gray, and Tarrytown; the two former varieties were awarded certificates of merit. William Turner staged seven varieties of dahlias, the colors being excellent. John Egan was awarded a certificate of merit for his new seedling canna. The color of the flower is orange scarlet, the foliage dark bronze. The variety is a valuable addition to the canna family. He also showed a vase of dahlia Camelliæflorn. The exhibition created considerable discussion on dahlia culture.

The following were elected to membership: Alex Hoag, E. Hansen, F. S. Palmer, Charles Briggs, William P. Ross, and Charles Robinson. R. ANGUS.

Hartford, Conn.

Charles A. Lord, who for several years was in the employ of D. William Brainard, the florist, died here Wednesday, September 19, aged 53 years. He leaves a widow and five sons.

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Seed Packets and Supplies of all kinds for NURSERYMEN, FLORISTS and SEEDSMEN
SEND FOR PRICE LIST.
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Illustrated Catalogues a Specialty.
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HEADQUARTERS FOR
COCOA FIBRE, SHEEP MANURE, BONE, all grades, IMPORTED SOOT, CLAY'S FERTILIZER, SPHAGNUM and GREEN MOSS, RUSTIC WORK, all kinds.
DUNNE & CO. 54 West 26th St. New York.
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SHEEP MANURE
Cleaned and Prepared Expressly for Florists' Use.
You will find it the genuine article. For reference as to its being first-class, I refer you to Henry F. Michell, 1018 Market Street, Philadelphia, Pa. Trial bags of 150 lbs., $2.50; per ton, $25.00. One quarter ton at ton rate. CASH WITH ORDER.
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Sulpho-Tobacco Soap

COMBINING the qualities of an absolute insect exterminator with those of a vigorous fertilizer. Recommended and in use by the foremost florists and nurserymen in the land. For Sale at the Seed Stores.
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IMP.
YOU SHOULD KNOW WHAT NOTED GROWERS SAY
Imperial Liquid Plant Food DOES.
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Sash

Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.

Quick Shipments.

We have in stock and can ship immediately:

3	ft. x 6 ft.,	3 rows	10 in. glass.
3 ft. 3 in. x 6 ft.,	4	"	8 in. "
4	ft. x 6 ft.,	5 "	8 in. "

Not glazed, 1¾ in. thick.

Delivered Prices

Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.

LOCKLAND LUMBER CO., Lockland, Ohio.

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It's Dead Easy to String your Smilax, when you use the Meyer Green Silkaline. Samples and prices free
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CANE STAKES
8 to 10 feet long,
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We are headquarters for Galvanized and Dowel Stakes.
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THE GREATEST INVENTION OF THE CENTURY.
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WARD'S CELEBRATED FERTILIZER
Odorless, in tablets, for house plants. Enough for fifty plants sent by mail for 10 cents, by
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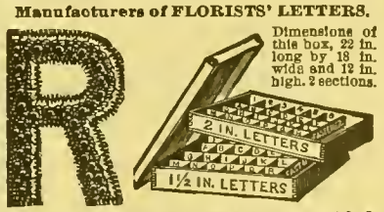
Manufacturers of FLORISTS' LETTERS.



Dimensions of this box, 22 in. long by 18 in. wide and 12 in. high. 2 sections.

This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1½ or 2 inch size, per 100, $2.00.
Script Letters, $4.00.
Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.
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FACTORY, 13 Green St. BOSTON, MASS. OFFICE, 84 Hawley St.

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SHEEP MANURE
I have now on hand a large quantity of A1 SHEEP MANURE.
Send for PRICE LIST and SAMPLE.
Best Fertilizer for Top Dressing.
Office, 207 Academy St., Factory, Seventh St., LONG ISLAND CITY.

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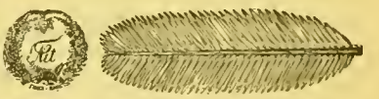

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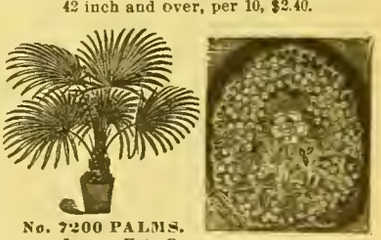
	Per 10		Per 10
6-12 inch.....	$0 40	24-30 inch.....	$0 85
12-18 "	55	31-36 "	1 20
18-24 "	70	36-42 "	1 50

42 inch and over, per 10, $2.40.



No. 7200 PALMS.

	Lvs.	Hgt.	Doz.
7204.....	3.....	24in.	$2.10
7204a.....	3.....	36 "	3.60
7200.....	5.....	36 "	5.40
7201.....	6.....	40 "	7.20
7201a....	10.....	40 "	ea 1.80

Metal Wreaths, From 25 cents up.

PALM TREES.

	Lvs.	Hgt.	Ea.	Natural	Prepared
7206....	9...	7 ft.	$3.50	Palm Leaves,	100
7208...	16...	9 "	4.50	Medium size.....	$6.00
7209...	24..10 "		6.00	Large size.....	10.00

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CHICAGO: 187 S. Clark Street.
NEW YORK: 7 Barclay Street

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LOWEST PRICES

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Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2 in. pots in crate,	$4.88	120 7 in. pots in crate,	$4.20
1500 2½ " "	5.25	60 8 " "	3.00
1500 2¾ " "	6.00	48 9 " "	3.60
1000 3 " "	5.00	48 10 " "	4.80
800 3½ " "	5.50	24 11 " "	3.60
500 4 " "	4.50	24 12 " "	4.80
320 5 " "	4.51	12 14 " "	4.80
144 6 " "	316	6 16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Address Hilfinger Bros. Pottery, Fort Edward, N. Y.

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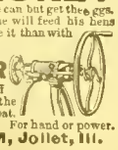
A man can easily make money selling eggs if he can but get the eggs. He can get the eggs sure—twice as many, if he will feed his hens on Green Cut Bone. No better way to prepare it than with

ADAM'S GREEN BONE CUTTER



It cuts on the shear plate principle. Takes off a fine ribbon like piece, easily consumed by the chicks or fowls. No sharp splinters to injure throat. Turns easily. Only ball-bearing cutter made. For hand or power. Catalogue No free. W. J. ADAM, Joliet, Ill.

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IMPROVED GREENHOUSE GLAZING POINT

A sure preventive of glass slipping; effective on large or small glass, zinc, will not rust, last forever; easy to drive and easy to extract. Two sizes, ⅝ and ¾ in. long. One pound packages 40 cts. 1440 points ⅝ in. size, 1040 points ¾ in. size, in a pound. By mail, 15 cts. per lb. extra.

For Sale by the Trade.

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Grand Rapids.

Trade Report.

Fall trade is not opening as briskly as it might. Roses are in fine trim, as the buds have been kept off so as to give the plants a chance. They will soon be allowed to come in now, if the weather turns cooler.

Carnations are not very plentiful as yet, and are kept well cleaned up by the few straggling shipping orders coming in. Most of the stock is of recent planting. The best all-around white is still Flora Hill; it is the earliest good white, and although not quite up to White Cloud during the Winter, it is the best in Spring and Summer again. It will be necessary to grow both, until a better arrives. Evelina is fine with us, and in full bloom. If it does as well as it did last year, it will continue in flower until about the first of February, when it should be fired, as it is not again in bloom until warm weather. New York shows up better this season than it did last, and is much in demand, being brighter than Scott. Crane and Estelle are both good reds, with the latter a trifle better in color. It will be Spring before an accurate comparison can be made, but we are inclined to the opinion that Estelle is a little the best red. Firefly is the freest blooming red, but the color is no good. Madame Chapman and Daybreak are still prime favorites with the local growers.

Chrysanthemums are coming along fast now, and promise a large crop. Fitzwygram will be the earliest white, but what a pity the foliage is so poor.

The Michigan State Fair opened September 25. James Schols and William Cunningham exhibited this year, while, of the former exhibitors, Henry Smith and Crabb & Hunter drop out. The latter firm has exhibited in Grand Rapids for 17 years.

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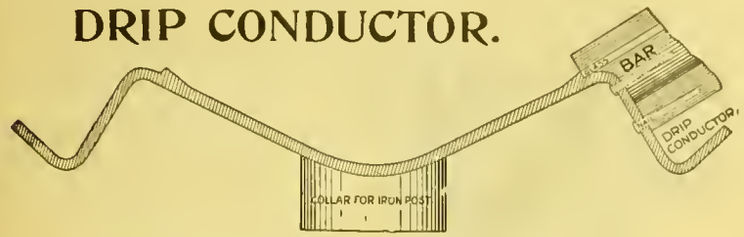

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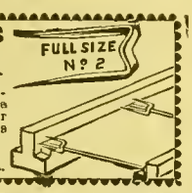

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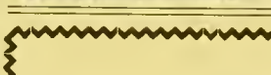

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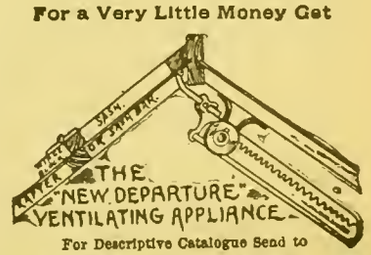

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From 3½ inch pots, $5.00 per 100.

64 SASHES 3 feet by 6 feet, 7 inch by 9 inch glass, good for frames making a house 10 feet by 100 feet; $65.00 for the lot.

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8,000 Flowering Begonias, 2½ inch, in ten choice varieties, $1.50 per 100.

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" **Sprengeri,** 2 in.	3 00
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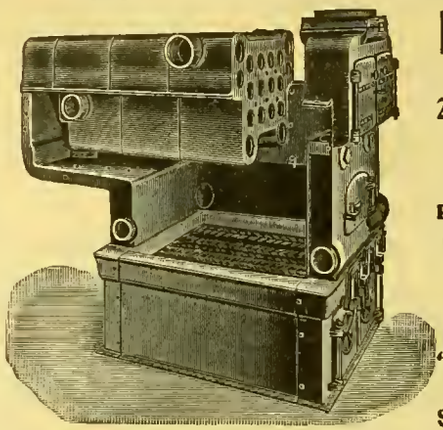

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Fine strong plants from 2¼-in. pots, $15.00 per 100; 3½-in. pots, $27.50 per 100.

We especially recommend the 3½-in. size as being exceptionally well rooted and of strong, healthy growth; almost ready for a shift to a 6-in. pot. These plants should find a ready sale at Christmas, as they will be in full flower at that time.

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Plants from 3½-in pots, for delivery Nov. 1st, $5.00 each.

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These bulbs are in splendid shape. We can offer them at **$14.00 per case.** 350 bulbs to the case.

WE ALSO HAVE A FINE STOCK OF

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ORDER AT ONCE BEFORE WE ARE SOLD OUT.

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Extra quality bulbs, 12-15 ctm., in case lots, 2,100 bulbs to the case, **$16.00 per 1000.**

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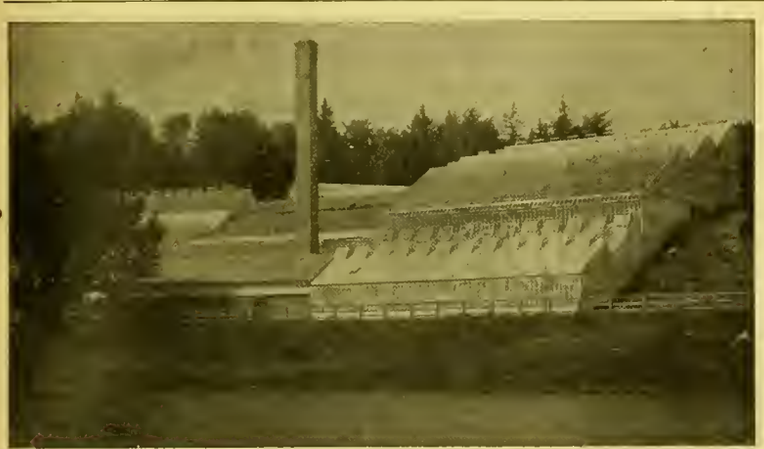

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CUT STRINGS, 8 to 10 Feet Long **50 CTS.**

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For Easter work as a small blooming pot plant or planted in clusters of 6 or more in one large pot there are few articles that sell as quickly and prove as profitable. We can give you all named kinds and colors that can be depended upon flowering simultaneously at **50 cts.** per dozen; **$3.00** per 100; **$25.00** per 1000.

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Paper White Narcissus Grandiflora
Large bulbs, **80c.** per 100; **$7.50** per 1000; or one whole case of 1600 bulbs for **$10.**

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FIELD-GROWN CARNATION PLANTS

LAST CALL.

	Per 100	Per 1000
Mrs. Jas. Dean	$6.00	$50.00
Gen. Maceo	8.00	75.00
G. H. Crane	8.00	75.00
Marquis	12.00	
Gen. Gomez	5.00	40.00
Wm. Scott	5.00	40.00
L. McGowan	5.00	40.00
New York	6.50	
Frances Joost	7.00	

Asparagus Sprengeri. Strong 2-inch stock, $5.00 per 100; $40.00 per 1000.

Asparagus Plumosus Nanus. Fine plants from 2-inch pots, $5.00 per 100; $40.00 per 1000.

5 Per Cent. Discount if cash is sent with order.

THE COTTAGE GARDENS, Queens, L. I.
C. W. WARD, Manager.

SO EASY WHEN YOU KNOW HOW TO BUY.



LILY OF THE VALLEY
Case, 2000, $26.00.

SACRED LILIES
Basket, 30 Bulbs, $1.60.

LILIUM LONGIFLORUM
7 to 9, 100, $6.00. 9 to 10, 100, $9.00.

LILIUM CANDIDUM
100, $5.00.

W. ELLIOTT & SONS, New York.

KENTIA SEED EXTRA OFFER!

To close out a Consignment we offer as long as unsold, fresh crop 1900 KENTIA BELMOREANA or FORSTERIANA, 1000 seeds, $3.00; single 100, postpaid, 60c. Guaranteed good germination.

FORCING BULBS, IN EXTRA FINE QUALITY.

HYACINTHS.

	12	100	1000
Early White Roman, 12-15	$0.25	$1.75	$16 00
Blue, Rose or Double Rose	.20	1.50	13.00
Dutch Hyacinths, first size, separate colors	60	4.00	39.00
Named sorts, your choice	1.00	6.50	
Dutch Roman, named	.40	2.75	26.00

TULIPS.

Belle Alliance	.20	1.20	9.00
Keizerskroon	.15	1.25	10.50
La Reine	.15	1.20	10 00
Rose Grisdelin	.25	1.50	13.00
Yellow Prince, or Chrysolora	.25	1.30	11.00
La Candeur, etc., etc	.15	1.00	8.00
Single and Double, choicest mixed	.10	.75	6.50

NARCISSUS.

Paper White, XXX True Grandiflora	.15	1.00	7.50
Trumpet Major	.15	1.00	8.50
Poeticus Ornatus	.15	1.00	8.00
Von Sion, double nosed, XXX	.25	1.85	17.00
" extra large, fine	.20	1.40	13.00
" fine bulbs	.15	1.20	10.00
Single, Double and Trumpet, mxd.	.15	1.20	9 00

CHINESE Sacred Mammoth. Same brand we have imported for 18 years.
Original basket, 30 bulbs ..... $1.50.
Mat of 4 baskets, 120 bulbs ..... 5.00.

FREESIA Refracta Alba. A lot of select bulbs, ⅜-½ inch, offer as long as last at $1.50 a 1000 net, to close out.

Cyclamen Giganteum Persicum bulbs
Monster flowers; pure white, rose, crimson, white with red eye, rose with red eye,
per doz., $1.20; per 100, $8.00.

	12	100	1000
Bermuda Oxalis, fine	.10	$0.75	$5.00
Anemone, sin. and dbl., choic'st sorts	.20	1.00	9 00
Scilla Amœna and **Siberica**	.15	.75	5 00
Allium Neapolitanum	.10	.50	4 00

LILIES READY FOR DELIVERY.

	Per 12	100
Lilium Candidum, 9-10 inch	$0 75	$5 00
Lilium Harrisii, 5-7 inch		4 00
" " 7-9 inch		8 50
	Per 100	1000
Lilium Longiflorum, 5-7 inch	$2 50	$20 00
" " 6-8 inch	3 50	30 00

LILIES—Continued.	Per 100	1000
Lilium Longiflorum, 7-9 inch	$5 50	$50 00
" " 9-10 inch	8 50	80 00
	Per 12	100
Lilium Auratum, 8-9 inch	$0 60	$4 00
" " 9-11 inch	1 00	7 00
Lilium Rubrum, 8-9 inch	60	4 00
" " 9-11 inch	85	6 00
Lilium Album, 8-9 inch	75	5 00
" " 9-11 inch	85	6 00

1000 rates on application.

SEEDS IN SEASON Sweet Pea, in early forcing sorts, 1b, 25c.
Smilax Seed, oz., 30c.; lb, $2.50.

STOCKS 10 weeks, cut and come again, in separate colors, mixed, trade packet, 25c.

PANSY Giant Exhibition, any color or sort, separate or mixed, 1000 seeds, 25c.; 5000, $1.



FERN BALL.

Japanese Fern Ball December delivery. Write for prices.
Order now, sure to be scarce. Get bona-fide long-leaved stock.

H. H. BERGER & CO. (ESTABLISHED 1878), 47 Barclay Street, New York.

HIGH-GRADE BULBS!

LILIUM LONGIFLORUM

	Per doz.	Per 100.		Per doz.	Per 100.
5-7	$0.40	$2.50	8-9	$0.90	$7.00
6-8	.50	3.50	8-10	1.00	7.50
7-9	.75	5.00	9-10	1.25	8.50

JONQUIL (Campernelle), 75c. per 100; $5.50 per 1000

HYACINTHS, Single or Double, in Pure White, Blush White, Light Blue, Dark Blue, Pink, Red, $4.50 per 100; $40.00 per 1000.

NARCISSUS!

	Per 100	Per 1000
VON SION, first size	$1 50	$14 00
Double Nose	2 00	18 00
PAPER WHITE, large-flowering	1 00	7 50
TRUMPET MAJOR, Mammoth	1 00	9 00

FREESIA Pure White, 65 cts. per 100; $5.00 per 1000.

Send for Wholesale Catalogue.

STUMPP & WALTER CO., 50 BARCLAY STREET, **NEW YORK**

Mention the Florists' Exchange when writing.

High-Grade BULBS

for Forcing and Out-of-door Planting.

Our 1900 Wholesale and Retail Catalogues on application.

JAMES VICK'S SONS,
ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

ESTABLISHED 1802

THORBURN'S SEEDS

BULBS NOW READY:
ROMAN HYACINTHS, DUTCH HYACINTHS, NARCISSUS, TULIPS, &c., &c., &c.

Wholesale Bulb Catalogue mailed on application.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

Mention the Florists' Exchange when writing.

WILD CUCUMBER SEED

(ECHINOCYSTIS LOBATA)

We are the largest collectors in the West Special Fall price, 75 cts. per lb., 100 lbs. or more at 60 cts. Send cash or reference.

BARTELDES & CO., - Denver, Col.

Mention the Florists' Exchange when writing.

DANISH CAULIFLOWER SEED

Early Dwarf Danish Snowstorm. Selected by the leading grower of Denmark, during a quarter century. Always uniform; fine, large white heads, the acme of perfection. One quality only—the best. $15.00 a lb. Orders booked now for November delivery.

A. E. WOHLERT, Importer, ALTOONA, PA.

Mention the Florists' Exchange when writing.

PALM SEEDS

Fresh on Hand.

	Per 100	1000	5000
Chamærops Excelsa (in 10 lb. lots at 30c.) per lb., 40c.			
Washingtonia Robusta " 75c.			
Erythea Edulis (Brahea Edulis)	.50c.	$4.00	$18.00
Phœnix Canariensis	50c.	2.00	
Phœnix Reclinata	.25c.	$2.00	8.75

GERMAIN SEED & PLANT CO., Los Angeles, Cal.

Mention the Florists' Exchange when writing.

To Clear Out

SURPLUS STOCK

Until Sold We Offer

L. HARRISII 5 to 7 inch, $24.00 per 1000.
7 to 9 inch, 68.00 "

WHITE ROMAN HYACINTHS Red Skin, 12 to 16 centimeter, $11.00 per 1000.

NARCISSUS Large, Trumpet Princeps, $8.00 per 1000.

250 Bulbs at 1000 rate. Cash with order.

HULSEBOSCH BROS., Englewood, N. J.

Mention the Florists' Exchange when writing.



"I get more spikes of 'firsts' from your strain of White Romans than from any I ever grew before." A. S. WALLACE (Floriat), Montclair, N. J.

HENDERSON'S SUPERIOR BULBS

LARGEST STOCK. LARGEST VARIETY.
LOWEST PRICES, consistent with superior quality.

HENDERSON'S SUPERIOR

WHITE ROMAN HYACINTH BULBS

Prices: Second size, 11 to 15 ctm., $13.00 per 1000
First " 12 to 15 ctm., 17.50 per 1000
Extra " 13 to 15 ctm., 20.00 per 1000

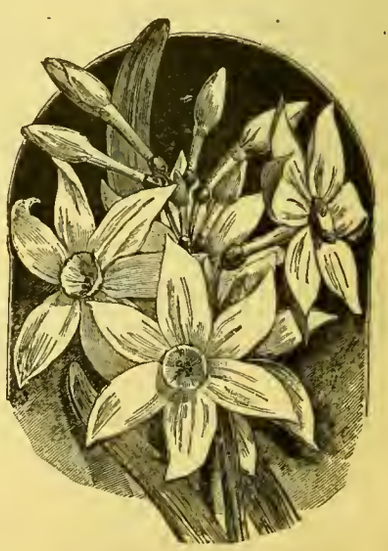
NARCISSUS PAPER WHITE

First size, $5.50 per 1000.
Large Flowered, First size, $6.50 per 1000.

OUR WHOLESALE BULB CATALOGUE, for Florists Only, mailed on application.

PETER HENDERSON & CO.

35 and 37 Cortlandt Street, NEW YORK.



NARCISSUS PAPER WHITE

Mention the Florists' Exchange when writing.

SPECIAL BULB OFFER!

French White Roman Hyacinths.....12-15 cent., at $1.75 per 100; $16.00 per 1000
Double Von Sion Narcissus, large Double Nosed Bulbs.. 1.75 per 100; 16.50 per 1000
Paper White Grand Narcissus..... .75 per 100; 6.75 per 1000
Freesia Refracta Alba..... .50 per 100; 4.00 per 1000
Chinese Sacred Lilies.....per basket (30 bulbs), $1.50; per mat (120 bulbs), $5.50

JOHNSON & STOKES, Seedsmen, Philadelphia, Pa.
217 and 219 Market Street.

Mention the Florists' Exchange when writing.



Mention the Florists' Exchange when writing.

LILIUM HARRISII
Early Roman Hyacinths
Special prices on application.
Sure Crop Mushroom Spawn NEW CROP, $8 per 100 lbs.
WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., NEW YORK.

Mention the Florists' Exchange when writing.

FIRST AND LAST OFFER

CHINESE SACRED LILIES 30 in a basket and 4 baskets to a bale, $33.00 per 1000; by 5000 lots, $30.00 per 1000.

PRICES ON ALL OTHER BULBS AND ROOTS CHEERFULLY GIVEN BY

F. W. O. SCHMITZ, Jersey City, New Jersey.

Mention the Florists' Exchange when writing.

Japan Lilium Longiflorum

CHOICE SOUND STOCK READY FOR DELIVERY.

5 to 7 inch.....$20.00 per 1000 7 to 9 inch.....$50.00 per 1000
6 to 8 inch..... 30.00 per 1000 9 to 10 inch ..... 80.00 per 1000

CALIFORNIA CALLA While They Last.

About 4 inch in circumference { $4.00 per 100 F. O. B. NEW YORK. $30.00 per 1000 F. O. B. CHICAGO.

LILIUM HARRISII
EXTRA CHOICE
9 to 11 inch.....$18.00 per 100 11 to 13 inch..... 38.00 per 100

Now Ready: AURATUM, ALBUM, RUBRUM, MELPOMENE.

A complete line of HYACINTHS, TULIPS and NARCISSI, Fancy stock, at close prices. "The Best is the Cheapest."

Now ready, our Fall Catalogue. A postal card gets a copy.

VAUGHAN'S SEED STORE, 14 Barclay St., NEW YORK. 84 Randolph St., CHICAGO.

Mention the Florists' Exchange when writing.

FORCING BULBS

LILIES.

	Price Per Case
Auratum, 8-9 (130)	$6 50
" 9-11 (100)	6 50
Speciosum Album, 8-9 (125)	7 50
" Rubrum, 8-9 (125)	6 25
" " 9-11 (84)	5 75
" Melpomene, 8-9 (125)	7 50
" " 9-10 (100)	7 50
Longiflorum, 6-8 (451)	13 50
" 7-9 (300)	15 00
Candidum..... Per 100,	5 50
" extra large ..... "	6 50

NARCISSUS.

	100	1000
Von Sion, selected large bulbs...	$1 60	$15 00
" First size	1 40	12 50
" Second size	1 20	10 00
Poeticus	50	3 40
" Ornatus	1 00	9 00

NAMED DUTCH HYACINTHS.
All the leading kinds.
$6.00 per 100; $57.00 per 1000.

DUTCH HYACINTHS, mixture. for forcing or bedding. All colors separat $4.00 per 100; $39.00 per 1000.

SINGLE TULIPS.

	100	1000
Artus	$0 70	$6 25
Arms of Leiden	1 00	8 00
Bizarre Yerdict	75	6 50
Cardinal's Hat	90	7 50
Chrysolora	1 25	11 00
Cottage Maid	1 20	11 00
Coulenr Cardinal	2 25	21 00
Duchesse de Parma	75	6 75
Duc Van Thol Scarlet	85	7 25
L'Immaculee	90	8 50
La Reine	1 10	10 00
Kelzerskrooa	1 20	11 00
Pottebakker, white	1 25	12 00
" scarlet	1 00	10 00
Jagt Van Delft, pure white	95	8 00
Thomas Moore, orange	1 35	11 90
Purple Crown	85	7 20
Yellow Prince	1 40	12 00
Rose Grisdelin	1 50	14 00
White Swan	1 25	11 00
Single, Fine Mixed	65	6 00

DOUBLE TULIPS.

	100	1000
Duke of York	$1 00	$8 00
Murillo	2 25	20 00
Tournesol, red and yellow	1 40	14 50
Yellow Rose	1 00	9 00
Lady Grandison	1 25	11 00
La Candeur	95	8 50
Lady Palmerston	2 25	20 00

PARROT TULIPS.

	100	1000
Named varieties	1 00	9 25
Mixed	80	7 50

CROCUS, named varieties... 45 3 50
" mixed, separate colors 30 2 00
Montbretia Crocosmæflora.... 35 3 00

COLD STORAGE VALLEY.
Hamburg Pips, case lots of 1000.....$12.50

WILL RECEIVE THIS WEEK A Large Consignment of **AZALEA INDICA**

Call and Inspect the Stock or Write for Prices. Ask for our List of Palms.

BOBBINK & ATKINS, Rutherford, N. J.

Mention the Florists' Exchange when writing.



New York.—S. B. Dicks, of Cooper, Taber & Co., London, having completed his thirteenth annual visit to this country and Canada, sails for England to-day on the S. S. Etruria. He is much pleased with his visit, and considers the American seed trade is in a sound and healthy condition.

Vaughan's Seed Store has just taken in a large stock of Japan Lilium longiflorum. Quantities of this lily are reported arriving heated again this year.

European Notes.

Although showers have been rather frequent of late the ground is by no means so damp as we could wish, for the work of transplanting turnips and rutabagas must very shortly be commenced. France, particularly in the West, appears to suffer more than any other part of Europe, for until during the past eight days the rainfall has been almost nil in that district. Some of the growers have had from 17 to 20 men constantly employed in watering the seed beds of beets, in the hope of saving their plants, but in general the plants are so poorly developed that it will be almost an impossibility to lift and store them, and the first severe frost will destroy them. Of crops for the present season only leek remains satisfactory to the end. Onion is not turning out more than half a crop, while beet, lettuce and carrot are practically nil. The French crop of mangels, that at one time threatened to glut our markets, has shrunk to an alarming extent. There will not be any surplus this season. It is reported that a lot of mangel seed was also destroyed in the fire at Jaensch & Co.'s warehouse, at Aschersleben; also a very large quantity of spinach. This has caused a sharp rise in price for good samples of the latter article.

EUROPEAN SEEDS.

Import and Export Statistics.

The following exports and imports of plants, shrubs, and seeds, etc., are for the month of August: The dutiable imports of plants, shrubs and vines amounted to $111,124 in August, 1900, against $111,546 in the same month of last year. The free imports of seeds amounted in August, 1900, to $66,214, against $47,547, the value of the imports of August, 1899. The dutiable imports of seed amounted to $26,751 in August, 1900, against $34,746, in August, of the previous year.

The exports of seed to other countries amounted to $615,490, against $232,195 in the same month of 1899.

CALLA BULBS!

1⅝ to 2 ins. diam..... $5.00 per 100.
1⅛ to 1⅝ " " ..... 3 00 " " $25.00 per 1000
1 to 1⅛ " " ..... 2.00 " " 15.00 " "
¾ in. diam ..... 1.00 " " 8.00 " "
2½ to 3 ins. long (strong sets).....$4 00 per 1000
1½ to 2 " " " ..... 3.00 " "

SMILAX ROOTS. (At all Seasons.)
2½ to 3 ins. diam, $3 00 per 100; $28 00 per 1000, by freight
1½ to 2 " " 2 00 " " 16.00 " "
2½ in. pots..... 1 00 " " 8.00 " " postpaid.
Strong Seedlings, 0.75 " " 3 50 " " "

AMARYLLIS FORMOSISSIMA.
7 ins. circum., $3 50 per 100; 5 ins. circum., $2 00 per 100 (100 largest size weigh 40 lbs.)

VIOLETS PRINCESS OF WALES.
$1.00 per 100; $8 00 per 1000.

THEODOSIA B. SHEPHERD, Ventura-by-the-Sea, Cal.

Mention the Florists' Exchange when writing.

HELLER'S MICE PROOF SEED CASES.

SEND FOR CATALOGUE.
HELLER & CO., Montclair, N.J., U.S.A.

Mention the Florists' Exchange when writing.

PRIVET

	100	1000
18 to 24 in	$2.50	$22.50
2 to 3 ft	3.50	30.00
3 to 4 ft	5.50	50.00

		100	1000
Hydrangea P. G.,	2 to 3 ft.	$7.00	$ 70.00
"	3 to 4 ft.	10.00	100.00
Clematis Paniculata,	No. 1,	7.50	70.00
"	Extra,	9.00	80.00
Ampelopsis Veitchii,	No. 1	6.00	50.00
"	Extra,	8.00	75.00

Hardy Herbaceous Plants, in large variety.

Crimson, Yellow, White and Pink Ramblers.

SEND FOR WHOLESALE LIST.

ELIZABETH NURSERY COMPANY,
ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

American Dahlia Society.

The American Dahlia Society held its annual meeting at the rooms of the American Institute, Wednesday, September 26, Samuel Henshaw presiding. This gentleman was afterward elected president of the American Dahlia Society for the ensuing year; Rev. W. T. Hutchins, vice-president, and James W. Withers, secretary and treasurer. A Committee on Nomenclature was elected as follows: M. S. Higgins, East Bridgewater, Mass.; W. W. Wilmore, Denver, Col.; W. F. Bassett, Hammonton, N. J.; Rev. W. C. Bolton, Pelham, N. Y.; and Rev. W. T. Hutchins, Indian Orchard, Mass.

The secretary was authorized to make arrangements with the authorities of the Pan-American Exposition at Buffalo, N. Y., for the holding of a dahlia show in connection with the Exposition next Fall.

The following new dahlias were brought before the Society and passed upon: W. Atlee Burpee & Co., Philadelphia, presented "Harlequin," fancy pompon, flowers 2½ inches in diameter, the plant accompanying the vase of blooms showing its extreme floriferousness, and adaptability as a bedder. The variety received a certificate. "Magnificent," canary yellow, was offered by the same exhibitor, but the committee asked that the variety be brought before them again. "Salmon Queen," decorative, from the same exhibitor, was certificated. In connection with "Salmon Queen" the original introducer, L. K. Peacock, withdrew the name "Aguinaldo," making the statement that only a very few plants had gone out under that name. This was accepted by the committee. Rowehl & Granz, Hicksville, L. I., presented a fancy, color buff and crimson, under the name of "Menheddy Beauty." This variety was also certificated. O. B. Coombs, Queens, N. Y., exhibited a number of blooms under the name of "Miss Helen Gould." The committee disqualified this exhibit on the ground that the variety was already known under the name of "Uncertainty." It also has the following synonyms: "Mary Enstace," "Floral Park Jewel," and "Miss Roth." Their decision was that the variety was simply a light colored form of "Uncertainty," and that the chances would be that the stock would revert back to the deeper color by which "Uncertainty" is known; hence the variety was refused recognition.

The following dahlias have been registered by the American Dahlia Society:

SALMON QUEEN—(Peacock.) (Introduced by W. Atlee Burpee Co.) Decorative. Height 3½ feet. Strong, vigorous, bushy grower; flowers very large, of a glowing salmon color deepening to a rich orange salmon toward the center; petals long, pointed. Entirely distinct in color and form.

HARLEQUIN—(Bassett.) (Introduced by W. Atlee Burpee & Co.) Dwarf fancy. Plant, dwarf, branching, with long, slender stems; height two feet. Flowers small to medium size, a brilliant crimson color with distinct white stripe running through each petal, white stripe sometimes becomes suffused with pink, and sometimes flowers are solid crimson; an extremely profuse bloomer. An acquisition. JAMES W. WITHERS, Secretary.

25,000 LOW BUDDED ROSES (American) on Manetti, best forcing kinds, $8.50 to $15.00 per 100, including CRIMSON RAMBLER.
CALIFORNIA PRIVET 2 year, 3 to 4 feet, $40.00 per 1000. Smaller sizes, both in 1 year and 2 year plants.
HYDRANGEA P. G. 2 to 3 feet, $3.00 per 100. ☞ My assortment of Hardy Nursery stock is very complete. Catalogue upon application.
HIRAM T. JONES, Union County Nurseries, Elizabeth, N. J.
Mention the Florists' Exchange when writing.

HYDRANGEAS
3 to 6 crowns..... $6.00 per 100.
6 to 12 crowns..... 10.00 "
RUBBERS 30 inches high, $5.00 per doz.
CHAS. IFFINGER, P. O. Box 162, Ozone Park, L. I.
Mention the Florists' Exchange when writing.

FOREST TREES
We offer for sale the largest stock of Forest Trees in this country, Sugar, Norway, Sycamore, Silver Leaf and other Maples by the thousands. Also Lindens Poplars, Elms, Willows, Mt. Ash, etc., in large quantities, as well as a general stock of other nursery products. Address
STEPHEN HOYT'S SONS, - New Canaan, Conn.
Mention the Florists' Exchange when writing.

100,000 VINES
AMPELOPSIS QUINQUEFOLIA, X strong, field-grown, 2 and 3 years, $5.00 per 100; $40.00 per 1000.
AMPELOPSIS VEITCHII, strong, 2 year, field-grown, $5.00 per 100; $45.00 per 1000. Strong, 3 years, from 4 in. pots, $8.00 per 100.
CLEMATIS PANICULATA, strong, field-grown, 1 year, $3.50 per 100; $25.00 per 1000. 2 years, $5.00 per 100; $10.00 per 1000. 3 years, $8.00 per 100; $75.00 per 1000.
CLEMATIS FLAMMULA, X strong, 3 years, $6.00 per 100.
EUONYMUS RADICANS VARIEGATA, strong, 2 and 3 years, $6.00 per 100; $50.00 per 1000.
IVY, ENGLISH, strong, 1 year, field-grown, 2 to 3 ft., $5.00 per 100; $40.00 per 1000. Strong, 1 year, from 4 in. pots, $8.00 per 100; $70.00 per 1000.
HONEYSUCKLE, HALL'S JAPAN, strong, 2 years, field-grown, $5.00 per 100; $40.00 per 1000. X strong, 3 years, field-grown, $6 per 100; $50 per 1000. Samples sent on application. Address
Mount Airy Nurseries, 7356 Germantown Ave., Phila., Pa.
TRADDEUS N. YATES, Proprietor.
Mention the Florists' Exchange when writing.

A Grand Medium.
Please discontinue our add. Stock all sold. The EXCHANGE did it alone Your paper is a grand medium. With our best thanks.
RUXTON FLORAL AND NURSERY CO.,
WM. FRAZER, Prest.
Ruxton, Md., October 10, 1900.

SURPLUS SHADE TREES
Feet. f.o.b.
100 Norway Maple.....10 to 12, cs. 30c.
100 Sugar " .....10 to 12, " 30c.
100 Sycamore " .....10 to 12, " 25c.
100 Silver " .....10 to 12, " 16c.
100 Carolina Poplar.....10 to 12, " 15c.
100 Lombardy " .....10 to 12, " 15c.
Handsome trees, good enough for any purpose. Other sizes also.
W. P. BRINTON, - Christiana, Pa.

FRUIT and ORNAMENTAL TREES,
Shrubs, Vines and Roses
Write for price list or send your liste of wants for special prices.
W. & T. SMITH CO., Geneva, N. Y.

IRISH JUNIPER
12 to 15 inches.....100, $5.00; 1000, $40.00
15 to 18 " ..... " 7.00; " 50.00
18 to 21 " ..... " 10.00; " 75.00
24 to 36 " ..... " 12.00.
36 to 48 " ..... " 15.00.
Juniperus Compacta, new dwarf, 12 inch, 50c. each; $5.00 per dozen. Rooted cuttings of Irish Juniper ready in May, 1901. $20.00 per 1000.
JOSEPH HEINL, Jacksonville, Ill.
Mention the Florists' Exchange when writing.

F. & F. NURSERIES SPRINGFIELD, NEW JERSEY.
Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.
Mention the Florists' Exchange when writing.

ANDORRA NURSERIES
Red and Pin Oaks, 10 to 14 feet
Hemlocks, 4 to 6 feet
TRANSPLANTED SPECIMEN TREES.
WILLIAM WARNER HARPER, Prop., Chestnut Hill, Philadelphia, Pa.
Mention the Florists' Exchange when writing.

Deciduous Trees
Medium and large sizes, including **OAKS, MAPLES, ORIENTAL PLANE, BEECH, BIRCH, GINKO, ELMS, ASH, LINDENS, MAGNOLIAS, POPLARS and WILLOWS.**
We have an immense stock of the above and are prepared to name **liberal** rates in **quantity.** Personal inspection invited. Correspondence solicited.
NURSERIES: {30 miles from Phila. 60 miles from New York.
THE WM. H. MOON CO., Morrisville, Pa.
Philadelphia Office: 702 Stephen Girard Bldg.
Mention the Florists' Exchange when writing.

TREES Fruit Trees, Small Fruits, including grapes. Ornamental Trees, Evergreens and Shrubs for public and private grounds. Shade Trees for streets. Hardy Roses, Hardy Plants, Climbers, etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.
ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. **Rochester, N. Y.**
Mention the Florists' Exchange when writing.

AZALEAS
NOW READY We take pleasure in offering, f. o. b. New York City, INDIAN AZALEAS, double and single, leading market kinds. This is a specially low import offer both as to sizes and prices, and your early order is solicited. Azaleas are growing in favor yearly, as the great demand this season proves. It is to your interest to order now and take advantage of the low prices we offer. These plants will be carefully packed and can be safely sent by freight. **Order at once to secure these rates, and mention paper.**

10 to 12 inch heads,	$4.50 per doz.;		$33.00 per 100		
12 to 14 "	"	6.00	"	43.00	"
14 to 16 "	"	7.00	"	53.00	"

6 sold at dozen rates; 25 at 100 rates.
PETER HENDERSON & CO. 35 CORTLANDT STREET, **NEW YORK**
Mention the Florists' Exchange when writing.

Grape Vines
Descriptive and Price List free.
Currants, Gooseberries and other Small Fruit Plants. Extra quality. Warranted true.
T. S. HUBBARD CO., FREDONIA, N. Y.
Mention the Florists' Exchange when writing.

SURPLUS FOR SPRING 1900
Can yet do PEACHES and JAPAN PLUMS in limited quantity; also MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY STRAWBERRIES from best leading varieties. Prices for same given upon application.
MILFORD NURSERIES, Milford, Del.
ALEX. PULLEN, PROPRIETOR.
Mention the Florists' Exchange when writing.

KOSTER & CO.
Hollandia Nurseries, - BOSKOOP, HOLLAND
Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Pæonies, Pot-grown plants for forcing, Rhododendrons, H. P. Roses, etc.
No Agents. Catalogue free on demand. No Agents.
Mention the Florists' Exchange when writing.

Yucca Filamentosa
Fine, large plants, $10.00 per 100.
SAMUEL C. MOON, Morrisville, Pa.
BUCKS CO.
Mention the Florists' Exchange when writing.

To the Trade.
2000 ENGLISH IVIES
Strong plants, from 4 in. pots, $15.00 per 100.
A No. 1 SCOTT CARNATIONS
$5.00 per 100.
SELAGINELLA
From 3½ inch pots, $5.00 per 100.
64 SASHES 3 feet by 6 feet, 7 inch by 9 inch glass, good for frames making a house 10 feet by 100 feet; $65.00 for the lot.
JOHN RECK, Bridgeport, Conn.
Mention the Florists' Exchange when writing.

P. OUWERKERK
1123 Summit Ave., Jersey City, N. J.
Just received from our Holland Nurseries

RHODODENDRONS,	AZALEAS,
SPIRÆA JAPONICA,	LILIUM SPECIOSUM,
PÆONIES,	BLEEDING HEART,
POT GROWN LILACS,	HYDRANGEA IN SORTS.

CLEMATIS and H. P. ROSES, in the best sorts.
PRICES MODERATE.
Mention the Florists' Exchange when writing.

HYDRANGEAS
Magnificent Strong Stock, with 4 to 7 Crowns.
Otaksa, Red-Branched,
Thos. Hogg,
Price, $10.00 per 100; $85.00 per 1000.
Send for our wholesale Price List of Roses, Clematis, Shrubs, Trees, etc., etc.
Our representative, Mr. J. Austin Shaw, is now in New England, and we should be pleased to have him call upon prospective purchasers of any stock in our line.
JACKSON & PERKINS CO., Newark, New York
Mention the Florists' Exchange when writing.

Commercial Violet Culture
Price, $1.50. Send for a copy.
A. T. DE LA MARE PTG. & PUB. CO., Ltd.
P. O. Box 1697, New York.

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN.

THEODORE J. SMITH, Geneva, N. Y., President; N. W. HALE, Knoxville, Tenn., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

Through the efforts of Secretary Wm. Pitkin of the Eastern Nurserymen's Association of Rochester, N. Y., the open date to which nursery stock can be shipped into Canada, after fumigation, has been extended to December 15.

Ellwanger & Barry, Rochester, N. Y., have been awarded first prize, a gold medal diploma, for an exhibit of 118 varieties of peas at the Paris Exposition.

The Missouri State Horticultural Society will hold its annual meeting at Farmington, Mo., December 4-6, 1900. The Society will have a display of horticultural products at the Pan-American Exposition, next year. The exhibit will be made by counties and labeled accordingly.

The following figures represent the values of nursery stock, plants, trees, shrubs, vines, etc., imported into the United States during the year 1899: From Belgium, $130,864; France, $122,739; Germany, $63,229; Italy, $11,421; Netherlands, $286,797; United Kingdom, $49,523; Bermuda, $38,424; Canada, $1,678; Hong Kong, $3,212; Japan, $41,748.

Minneapolis, Minn.—Hawkins Bros. have lately dissolved partnership, and one of the brothers, A. A. Hawkins, has started a nursery on the east side of Lake Minnetonka, with post office at Chowen.

Newark, N. Y.—Jackson & Perkins Co. are building two more greenhouses to be used in the growing of their leading specialty, hardy roses.

A Valuable Catalogue.—Messrs. Thomas Meehan & Sons, Germantown, Philadelphia, Pa., have just distributed their catalogue for the Fall of 1900 and Spring of 1901. For completeness, fullness of description, and accuracy of nomenclature, this catalogue takes a foremost place among the pamphlets of a similar nature now being published and disseminated, its whole make-up rendering it extremely serviceable as a work of reference. It is profusely illustrated with beautiful half-tone and other cuts. The typography is of the highest class of workmanship; the only fault to be found with it being perhaps the smallness of the type used in many instances, this rendered necessary, of course, by the large number of subjects dealt with. From the preface to this, the 34th edition of the catalogue, we learn that it is 49 years since Thomas Meehan, the senior member of the firm, commenced in Germantown the nursery business which is now conducted by himself and sons. The business, which at that time three acres were ample for, now demands 150 acres, and additional facilities for the increasing business are continually called for. As will be surmised, the business would not grow in this way without a proper appreciation by the firm of what the business demands. From the first, attention has been given to the procuring and testing of all kinds of ornamental trees, shrubs and flowers, both as to their hardiness and desirability.

Dutchess Co. (N. Y.) Horticultural Society.

The regular meeting of the Dutchess County Horticultural Society was held at Poughkeepsie, N. Y., on Wednesday, October 3. There was a large attendance, and much interest was displayed in the coming exhibition. The report of the Exhibition Committee on the final arrangements for the show was approved. The judges secured are: Samuel Goldring, J. H. Troy, George Hale and William Turner. The first day of the exhibition being on election day, it was decided to have the election results announced during the evening, in the exhibition hall.

Two new members were elected—Messrs. William R. Sands, and Thomas J. McPherson. It was announced that the amount already promised and paid for special prizes, and donations toward the exhibition fund had reached $420.

W. G. G.

FOR GREAT CASH BARGAINS IN BULBS

See my adv. in FLORISTS' EXCHANGE of September 29th.

Just received **100 MONSTER BULBS, HARRISII, 11 inches and up.** Dandies for retail trade.

C. H. JOOSTEN, Importer, **85 Dey St., New York.**

Mention the Florists Exchange when writing

CLIMBERS.

20,000 Clematis Paniculata 2 years from open ground and pot grown.
10,000 Ivies 1 year from open ground.
10,000 Ampelopsis Veitchii, 1 year pot grown.
10,000 Hall's Honeysuckle, very strong.
5,000 Evergreen and Golden Honeysuckles.
10,000 Rosa Wichuraiana 1, 2 & 3 years old.
3,000 Wichuraiana Hybrids,
2,000 Actinidia Arguta.
Wistarias and other vines.

Nurseries { 30 miles from Philadelphia. 60 miles from New York.

THE WM. H. MOON CO., Morrisville, Pa.
Phila. Office, 702 Stephen Girard Bldg.
Mention the Florists' Exchange when writing.

VEGETABLE PLANTS

CABBAGE H. Succession, Flat Dutch, Jersey and Charleston Wakefield, 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

LETTUCE Grand Rapids, Curled Simpson, Boston Market and other varieties, 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

PARSLEY Good curled extra strong, 25c. per 100; $1.50 per 1000.

CAULIFLOWER H. Snowball, 35c. per 100; $2.50 per 1000.

If wanted by mail, add 10c. per 100 on Cabbage, Lettuce and Cauliflower. 25c. per 100 on Parsley. Cash with order

R. VINCENT, JR. & SON, White Marsh, Md.
Mention the Florists' Exchange when writing.

200,000 Peach Trees

This stock is thrifty and healthy. All grown from Tennessee pits. No better Peach stock to be had.

Address

STEPHEN HOYT'S SONS, New Canaan, Conn.
Mention the Florists' Exchange when writing.

PRIMULA CHINENSIS

In six colors, mixed, strong plants, out of 2 in. pots $2.00 per 100. Out of 3 in. pots, $3.00 per 100.

PANSY PLANTS

Cassier and Trimardeau, large flowering, 35 cts. per 100; $3.00 per 1000. (Cash with order.)

H. STAHLHUT, New Lots Road and Shepherd Ave.
BROOKLYN, N. Y.
Mention the Florists' Exchange when writing.

CINERARIAS for Christmas Flowering, a superb strain, large flowered. 2¼ in., $2.00 per 100. $00 for $5.00

Chinese Primula, 2¼ in., $2.00 per 100; 3 in., $3.00 per 100.

Cyclamen Persicum Giganteum, 3 in., $6.00 per 100; 4 in., $8.00 per 100.

WHITTON & SONS,
Wholesale Florists,
City and Green St's., - - UTICA, N. Y.
Mention the Florists' Exchange when writing

PANSIES

Fine, stocky, field-grown plants of the

FAMOUS DIAMOND STRAIN

of large-flowered Pansies. Over 60 distinct sorts and an endless variety of shades and markings, all mixed By express, 1000, $4.00; 500, $2.25. By mail, postpaid, 75 cts. per 100. Cash with order. Pansies a specialty, for 25 years.

L. W. GOODELL, Pansy Park, DWIGHT, MASS.
Mention the Florists' Exchange when writing.

Pansies Worth Raising

Seed, $\frac{5}{16}$ oz., $1.00; 1 oz., $4.00

Nice Stocky Plants, 500 for $2.50; 1000 for $4.00

Per express at buyer's expense. Cash with order.

CHR. SOLTAU, 193 Grant Avenue, **Jersey City, N. J.**
Mention the Florists' Exchange when writing.

PANSY PLANTS

Of finest strains, per 1000, $4.00.

GEN. GRANT GERANIUM Unrooted Double Cuttings, per 1000, $5.00.

CANNA ROOTS 1-3 eyes as they drop while digging, per 1000, $10.00.

FOR CASH.

WILLIAM STUPPE, Hollis, L. I., N. Y.
Mention the Florists' Exchange when writing.

HEADQUARTERS FOR

LORRAINE BEGONIAS

We offer the following for immediate delivery:

BEGONIA GLOIRE De LORRAINE.

Fine strong plants from 2¼-in. pots, $15.00 per 100; 3½-in. pots, $25.00 per 100.

Begonia Gloire de Lorraine Nana Compacta.

Fine strong plants from 2¼-in. pots, $15.00 per 100; 3½-in. pots, $27.50 per 100.

We especially recommend the 3½-in. size as being exceptionally well rooted and of strong, healthy growth; almost ready for a shift to a 6-in. pot. These plants should find a ready sale at Christmas, as they will be in full flower at that time.

Begonia Caledonia, the White Lorraine.

Plants from 3½-in pots, for delivery Nov. 1st, $5.00 each.

We are the only Firm in America offering this fine new Novelty this year.

R. & J. FARQUHAR & CO., 16 & 19 South Market St. Boston, Mass.
Mention the Florists' Exchange when writing.

100,000 GERANIUMS—ROOTED CUTTINGS.

SEND FOR LIST AND PRICES.

	Per 100
Asparagus Plumosus, 2¼ in.	$5 00
" **Sprengeri,** 2 in.	3 00
" " 2¼ in.	4 00
Baby Primrose, 2¼ in.	4 00
Begonia Rex, rooted cuttings	2 00
Lemon Verbena, Extra 2 and 2¼ in. at $3.00 and $4.00 per 100.	

	Per 100
Forget-me-not, (winter), rooted c'gs.	$2 00
" " (winter), 2 in.	3 00
" " " 4 in.	6 00
Violets, Farquhar, 2¼ in., free of disease.	2 50
Vinca, 2¼ in.	$3 00
" 3 in.	5 00
" 4 in.	10 00
" 5 in.	15 00
" rooted cuttings, $10.00 per 1000.	1 25

Send for Descriptive Circular and prices for the best Florists' Hose Nozzle.
TERMS CASH or C. O. D.

GREENE & UNDERHILL, Watertown, N. Y.
Mention the Florists' Exchange when writing.

PRIMROSES

Improved Chinese. Well-known as the finest, large flowering fringed varieties grown. **Single and Double,** named colors, $2.00 per 100, out of 2 in. pots. Extras added. **XXX, Strong and Fine,** out of 3½'s, mixed, $5.00 per 100. Cash.

CYCLAMEN GIGANTEUM SEED.

The finest Giant varieties in choicest mixture. Per pkt., 200 seeds, $1.00; half pkt., 50 cts.

JOHN F. RUPP, THE HOME OF PRIMROSES, **Shiremanstown, Pa.**
Mention the Florists' Exchange when writing.

500,000 PANSIES Fine, Strong Plants. **50,000 DAISIES**

Giant Trimardeau and Roemer's Superb Prize Strains of Pansies, 50c. per 100, postpaid; $3.00 per 1000; $12.50 per 5000, express. Our large flower strain, 40c. per 100; $2.50 per 1000; $10.00 per 5000.

Hardy Daisies, Snowball and Longfellow, 50c. per 100; $3.00 per 1000; $12.50 per 5000.

California Privet, 18 to 24 in., well branched, $2.50 per 100; $20.00 per 1000.

Rex Begonia, 2 inch, fine stock, $3.50 per 100. CASH, PLEASE.

BYER BROTHERS, - Chambersburg, Pa.
Mention the Florists' Exchange when writing.

A NOVELTY IN PANSIES.

Pansy growers who fail to include the giant flowered **Mme. Perret** in their collections will not be "in it" next Spring. Gorgeous colorings and extra large flowers. Can be seen in bloom at my place now. Oz., $4.00; large trade pkt., 25c. Small sample free on application. All other varieties at lowest price.

BEAULIEU, Walker and Belmont Aves. **Woodhaven, N. Y.**
Mention the Florists' Exchange when writing

VAUTIER'S

MAMMOTH PANSY

New crop seed now ready. This is the largest and finest Pansy ever offered. We have testimonials from florists from all parts of the U. S praising its size and merits. Trade packet, $1.00; oz., $4.00.

H. G. FAUST, 64 and 66 N. Front St., **Philadelphia, Pa.**
Mention the Florists' Exchange when writing

PANSIES

The Jennings Strain.

My 1900 strain cannot be excelled; plants, finest mixture, 60c. per 100, by mail; $4.00 per 1000, by express. Seed, $1 per pkge.; $5 per oz. Cash with order.

E. B. JENNINGS, Lock Box 254. **Southport, Conn.**
Grower of the finest Pansies.
Mention the Florists' Exchange when writing.

Zirngiebel Giant Pansy

PLANTS NOW READY.

Giant Market, $5.00 per 1000. **Giant Fancy,** $10 00 per 1000. **Also Seeds** of the above strains, trade packages at $1.00 each.

DENYS ZIRNGIEBEL, Needham, Mass.
Mention the Florists' Exchange when writing.

PANSIES

My strain is good and embraces a wide range of colors and varieties, 60 cts. per 100 by mail. $3.50 per 1000 by Express.

Hardy Plants at low prices, such as Veronica, Coreopsis, Funkia, Phlox, Columbine, Larkspur, Helenium, etc. Write for prices on quantities needed. Cash with orders please.

W. C. JENNISON, Natick, Mass.
Mention the Florists' Exchange when writing.

PANSY PLANTS

Giant, fine mixed, very strong, per 1000, $3.00.

Orders not solicited for less than 500. Special prices on 10,000 or more, buyer to pay express charges. Cash must accompany order.

JOHN LAPPE, - Maspeth, L. I.
The Largest Pansy Grower in America.
Mention the Florists' Exchange when writing.

CANNAS

Dry roots, ready in November. 30 best named sorts, $15.00 per 1000.

CALADIUMS Fancy leaved, 40 named sorts.
Dry bulbs, 1¼ to 2¼ in., at $10.00 per 100; $90.00 per 1000
" " 1 to 1¼ " 8.00 " 70 00 "

ORANGES Best sorts, grafted on Citrus Trifoliata.
Beautiful plants, bushy, 15-18 in., $30.00 per 100

PHOENIX CANARIENSIS AND TENUIS
Very Stocky.
3-4 characterized leaves, 15-18 in., $15.00 per 100
4-5 " " 20-24 " 25.00 "
5-6 " " 24-30 " 40.00 "

PHOENIX RECLINATA Very Stocky,
3-4 characterized leaves, 15-18 in., $25.00 per 100.

LATANIA 4-5 characterized leaves, 18-20 in., $25.00 per 100

BIOTA AUREA NANA Best dwarf Biota, 12-15 in., $12.00 per 100

Not less than 50 at above rates.
Send for Price List.

P. J. BERCKMANS CO., Augusta, Ga.
Mention the Florists' Exchange when writing.

PANSIES

Harris's Improved Strain of large and extra fine colors. Plants from seed bed, 60 cts. per 100 by mail; $4.00 per 1000.

ABUTILON SAVITZII Rooted Cuttings, $1.50 per 100.
CASH WITH ORDER.

C. A. HARRIS & CO., Delanson, N. Y.
Mention the Florists' Exchange when writing.

Roemer's Superb Prize

PANSIES

PLANTS READY NOW.

Free by mail, 65 cts. per 100; 250 for $1.50. By express, $4.00 per 1000; $7.00 per 2000; $10.00 per 3000; $15.00 per 5000.

CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.
Grower of Extra Fine Pansies.
Mention the Florists' Exchange when writing.

HERR'S PANSIES

ALWAYS THE BEST and better every year.

They sell themselves. Try a hundred as an experiment.
Plants only, and ready October 1st to January 1st. Free by mail, 75c. per 100; 250 for $1.50; 500 for $2.50.
By Express, at your expense, $4.00 per 1000.

ALBERT M. HERR, Lancaster, Pa.
Mention the Florists' Exchange when writing.

MAKE MONEY

BY SECURING SOME OF THESE BARGAINS.

$100.00 worth of Electrotypes for $40.00 many of them have never been used. Cost $120.00.

40,000 Cane Stakes, 5 to 8 feet; the lot for $80.00.

5000 Austria Canna Roots, will sell for November delivery, at 10 cts per bunch, 15 to 25 eyes to bunch; not less 50 bunches at this price.

1000 or more Seedling Canna Roots, some of these are very odd and will prove valuable, $50.00 for the lot.

Bargains in Palms, Tea Olive, Asparagus.
WAITE FOR PRICES.

C. S. TAIT, Brunswick, Ga.
Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent, also Second-hand Materials.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED.

FIRST-CLASS maker-up and decorator, with best references, wants position. Z. G., care Florists' Exchange.

SITUATION wanted by single young man, for general greenhouse work. G. Miller, care florist, 822 Amsterdam Ave., New York.

SITUATION wanted by a good all-round man, thoroughly experienced in all branches; first-class references. Pagst, Pelham, N. Y.

YOUNG married man, 28 years old would like position as designer and decorator; life-long experience. Address A. Minder, 76 Chadwick Av., Newark N. J.

SITUATION wanted by young man, with 3½ years experience in cut flower and plant trade; please state wages when writing. Z. F., care Florists' Exchange.

YOUNG man desires position as assistant or salesman in retail or wholesale city florist store. Best references. Small salary to start. Z. H., care Florists' Exchange.

FIRST-CLASS florist and landscape gardener wants position in commercial or private place; German, married, 14 years' experience in all branches of the business. Z. C., care of Florists' Exchange.

GARDENER and florist, 33 single, 19 years' experience in first-class private and commercial places, thoroughly competent under glass and outdoor; first-class references. A. Schultz, 610 Mott Ave., New York.

SITUATION wanted as manager or foreman; capable of taking entire charge of a large plant; 26 years' experience; single; first-class references; state wages, etc. D. P. N., 249 N. 10th Street, Philadelphia, Pa.

GARDENER and florist, with life experience in growing cut flowers and plants, palms, etc., wishes to take charge of commercial or private place; married. G. Gardner, E. Hamilton Ave., City Line, Trenton, N. J.

SITUATION wanted, Having had my business place swept away by the late storm, I wish to find a responsible position in a commercial or private establishment, or buy a partnership with a Northern florist. Am well up in floral arrangements and decorations and a specialist in palms, ferns, orchids, etc.; can give first-class trade and business references. Otto Fehrlin, Galveston, Texas.

HELP WANTED.

WANTED—A good rose grower; must have good reference to show from last employer. Address P. O. Box 99, Madison, N. J.

WANTED—A young man to attend fires who has had a year's experience in greenhouses. Address, 65 Wendell Street, Battle Creek Mich

SALESMAN of good appearance, thoroughly up-to-date, and accustomed to wait on the best of trade; apply in person to Hart, 1000 Madison Ave., New York City.

ROSE grower wanted to go West, first-class man as working foreman; married or single. Call between ten and eleven, Monday or Tuesday. Cleary and Co., 60 Vesey St., New York.

WANTED—An assistant; roses, carnations, violets, etc; married man; wages, free house and $8.00 per week, when applying give references. John Rock, Bridgeport, Conn

WANTED—A young man, sober and reliable, experienced in roses and carnations, also a general line of bedding plants. State wages and experience. John Fallon Staunton, Va.

WANTED at once, a good rose and carnation grower for small commercial place; reference from last employer; married, small family preferred. Apply to Dunne & Co., 45 West 30th St., New York.

FOREMAN wanted for range of 175,000 square feet of glass; must be a man of unquestioned ability and character, and an up-to-date grower, accustomed to handling men, where roses, carnations, palms, ferns, 'mums, bulbous and bedding stock are grown; permanent position for right party. J. F. Wilcox, Council Bluffs, Iowa.

WANTED—STOCK CLERK AND FOREMAN for Wholesale Order Department; permanent position to right party; give age, experience, wages, reference and full particulars in reply. Address,

Plant Seed Co., St. Louis, Mo.

MISCELLANEOUS WANTS.

WANTED—Violet grower to supply me with violets during season 1900-01; state price per 1000 for the whole season. Address Z. D. Cash, care of Florists' Exchange.

WHITE VIOLET PLANTS WANTED. Any part of 1000. Address, Box 34, Stamford, Conn.

EMPTY GREENHOUSES WANTED, near New York, to rent at once; rental moderate. F. S., 59 Cortlandt St., New York.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.

Mention the Florists' Exchange when writing.

BUSINESS OPPORTUNITIES.

FOR SALE—Four greenhouses well stocked with carnations, heated by hot water; 14 miles from New York; good business; all in good condition. Address Z. E. care Florists' Exchange.

STORE to let, West side, 2783 Broadway, between 107th and 108th Sts. Opportunity to establish good business in high-class residential and apartment district. Inducements to responsible party. Worth investigation. Apply on premises, Ottinger.

FOR SALE—Owing to the death of the owner, small green house and stock, in a prosperous Southern City of 25,000; only business of the kind in City; no reasonable offer refused; correspondence invited. Foster Carter, Shreveport, La.

FOR SALE—GREENHOUSE PLANT OF 6 houses, in Jersey City, well stocked and in full operation. Address Y. W., care Florists' Exchange.

MISCELLANEOUS.

FOR SALE, Some extra good second-hand 3-inch pipe, at 8c. per foot; also some 4-inch; secure it while it lasts. W. H. Salter, Roohester, N. Y.

FOR SALE—In first-class condition, 1¼ in. pipe, 4 cts. per foot; 1½ in. pipe, 5 cts. per foot; also valves and fittings at half retail price. Wm. E. Jones, 406 Linden St., Roma, N. Y.

OBITUARY.

John A. Jeffrey.

John A. Jeffrey, florist, Torrington, Conn., died at his home October 4, after a short but severe illness. Mr. Jeffrey had been a resident of Torrington for many years, and had identified himself with the best interests of the town. He was a member of Trinity Episcopal Church and an active worker in the Sunday school and Brotherhood of St. Andrew. He was also a member of the local lodge of Knights of Pythias.

James Henry.

James Henry, a retired Philadelphia florist, died Saturday, October 6, in the Odd Fellows' Home. Mr. Henry was born in Ireland November 23, 1823, and in 1850 came to this country, locating in Germantown, where he carried on the business of a florist until July, 1898, when he retired owing to his being stricken with paralysis. One month later his wife died, and having no children or relatives, he became a resident of the Home, on October 4 of that year. He had been a member since 1874 of Philomathean Lodge, No. 10, I. O. O. F.

Fell to His Death.

Carl Kruger, a nurseryman of San Francisco, fell from the dome of the City Hall there, a distance of three stories, September 29, and was instantaneously killed. He was until recently engaged in business with John H. Sievers, but sold out and started a nursery of his own. Deceased was 42 years of age, a native of Chili, and leaves a widow and two children.

Firms Who Are Building.

MIDDLETOWN, N. Y.—Ira Fairchild has completed a new greenhouse.

SALMON FALLS, N. H.—Harvey Bros. are building a large addition to their greenhouse on Washington street, and are also putting in a new boiler of much larger heating capacity.

HARTFORD, CONN.—Drake & Carlson have been granted a permit to build eight greenhouses, each 10x57 feet.

STRATFORD, CONN.—George A. Porter is erecting an extensive greenhouse.

Encouraging Exhibits by Amateurs.

In connection with a flower show to be given in Penn Yan, N. Y., next month, for the benefit of the Ladies' Guild, of that place, several prominent trade firms have donated seeds and plants as premiums. Among the donors are included Messrs. Peter Henderson & Co., James Vick's Sons, Mrs. Theodosia B. Shepherd, Messrs. W. & T. Cass, Glen Bros., W. & T. Smith, George W. Park and Chase Bros.

CHANGES IN BUSINESS.

HAMILTON, ONT.—E. McLeod has started in the florist business here, building a greenhouse, 18x80 feet. He will grow a general stock.

SAGINAW, MICH.—The Wm. Roethke Floral Company filed articles of association with the County Clerk October 3. The capital stock is $25,000, held as follows: F. Wm. Roethke, 450 shares; Bertha Roethke, 450; C. L. Roethke, 800; Otto T. Roethke, 600; Mrs. Eliese Granse, 20.

NUTLEY, N. J.—W. L. Jones has started a greenhouse plant here, consisting of two houses, each 120 feet, built by Hitchings & Co. There are 2½ acres of land in connection with the establishment. Mr. Jones says: "I have just filled my houses with plants bought from your advertisers. All the stock purchased has been satisfactory, showing your care in selecting business."

New Jersey Floricultural Society.

The regular monthly meeting of this society was held at Orange, N. J., October 3, Vice-President Davis in the chair. The essay committee failing to provide a speaker, a Question Box was substituted. Among the topics thus submitted were: Stem Rot in Carnations; Celery Rust; Thinning Japanese Plums; Cabbage this Season and Remedy for Worms; Is it Better to Spray Grapes to Keep off Black Rot, or to Bag Them; Causes for the Drooping of Young Rubber Plants. So profitable was the evening considered that it was voted to have the Question Box a permanent feature of the monthly meetings.

Letters were read from H. A. Dreer, inviting the society to view his establishment at Riverton, and from the Morris County Gardeners' Society, concerning its forthcoming show.

Intelligence having been received of the recent death of the father of President Duff in Scotland, the society passed a resolution expressing the deep sympathy felt in the president's sad bereavement.

J. B. D.

Denver.

The club met on Friday last, and the members turned out in good force. It was decided to hold a meeting every week from now until the show is over. The arrangement committee was appointed, consisting of five of the leading representatives. A paper on "The Easterner" was read by Philip Scott.

This has been a quiet week for trade, nothing going on socially excepting the Horse Show, and that did not help the business much. A severe frost has settled everything outside—a good thing, too, for chrysanthemums are coming along very fast, and some pretty good carnations are to be seen around.

DENVER.

New Haven, Conn.

At the meeting of the New Haven County Horticultural Society, Tuesday evening October 2, the project of holding a flower show this year was abandoned by a vote of the society. The society will continue its monthly meetings. A series of lectures and discussions is being arranged for, and the Fall and Winter's work promises to be quite interesting. An exhibition will take place at each meeting. The funds raised for the intended flower show will be retained and augmented for use in the Spring, when an exhibition of flowering and decorative plants and cut flowers will take place. The date for that display is not yet set, but will be about a week previous to Easter.

Champion & Co. have opened a branch store at 856 Chapel street, just below Church street.

New York.

The Market.

The state of the cut flower trade is anything but satisfactory at present writing. Owing to the very disagreeable weather that prevailed during the earlier part of the week, it was next to impossible to dispose of the quantity of flowers coming in. The street vendors had no inclination to speculate, and roses were a drug in the market. Thursday brought clear, cool weather, and the supply of roses shortened up considerably. The effect of the changeable weather is plainly shown on most of the stock reaching the city, and mildewed foliage is not the exception, but the rule.

Dahlias are quite plentiful, especially white ones; no frost having yet been experienced to check their flowering. These are used extensively in funeral work, and the poor demand for carnations is, in a measure, due to this fact.

Chrysanthemums are very backward as yet. Last year at this time they were the principal flower on the market, while at the present time there are but a few dozens arriving daily. Yellow Monarch has begun to come in, in small quantities, and being the only yellow in sight, the flowers are easily disposed of.

Violets are on hand much in excess of the demand for them. What to do with all the stock is a problem that is facing the dealers just now. Retailers are not using nearly so many as in other years at the same period, while, on the other hand, the output seems to be almost doubled. Of course, there can be but one result from these conditions, and flowers of the previous day's shipments are offered at a dollar a thousand, while many of the fresh ones fetch but 25c cents per hundred.

Orchids and lily of the valley move very irregularly, there being no steady demand for either of them. Asparagus, both in strings and bunches, is also lingering longer on the tables of the dealers than usual, and a decrease in the prices of these materials is noticed.

Among the retailers there is very little life in the business at present. Windows are kept looking bright and seasonable. Tritomas, hydrangeas, dahlias and cattleyas, all being obtainable at such reasonable figures, are being used lavishly for window display and are quite effective.

Auction Sales.

Tuesday was a stormy day, but the attendance at the auction marts seems to be benefited when the weather is disagreeable. At William Elliott & Sons a large consignment of palms, ferns, pandanus, etc., from the establishment of N. Studer, Anacostia, D. C., was disposed of.

The annual orchid sale of Sander & Co. will be held on Tuesday next, October 16, in the auction rooms of Cleary & Co., 60 Vesey Street, J. P. Cleary, auctioneer.

Traendly & Schenck have added another telephone to their outfit; one instrument was not sufficient to take care of the numerous calls. The firm's new telephone numbers are 798 and 799, Madison Square.

Dan'l D. L. Farson has entered the employ of William Elliott & Sons, 54 Dey Street, as traveling representative. He started on a Western trip Monday last.

Visitors; George Fields, Washington, D. C.; Gustave N. Amrhyn, Superintendent of Public Parks, New Haven, Conn. Louis G. Pfunder, Portland, Oregon, arrived from Europe, Saturday, the 6th inst., on the S. S. Pretoria. Mr. Pfunder has been attending the Paris Exposition in the capacity of United States Commissioner.

The Committee on Alleys of the New York Florists' Club met Thursday afternoon and temporarily engaged the alleys at the Arlington, No. 19 St. Mark's Place, between Second and Third Avenues. These are three in number, are on the ground floor, and are well ventilated. A good attendance of the members is requested to try the alleys on Monday evening, October 15. Transfer from any of the Metropolitan cars at Eighth Street, and the car passes the door.

Personal.

WATERTOWN, CONN.—Otto T. Roeske has purchased the heating apparatus from Florist Benedict in Morris.

ROME, N. Y.—H. B. Snow, the florist who recently purchased the Seeley property on Railroad street, has moved the building to the front of one of his greenhouses. It will be fitted up to be used in connection with his business.

WHY DO FLORISTS

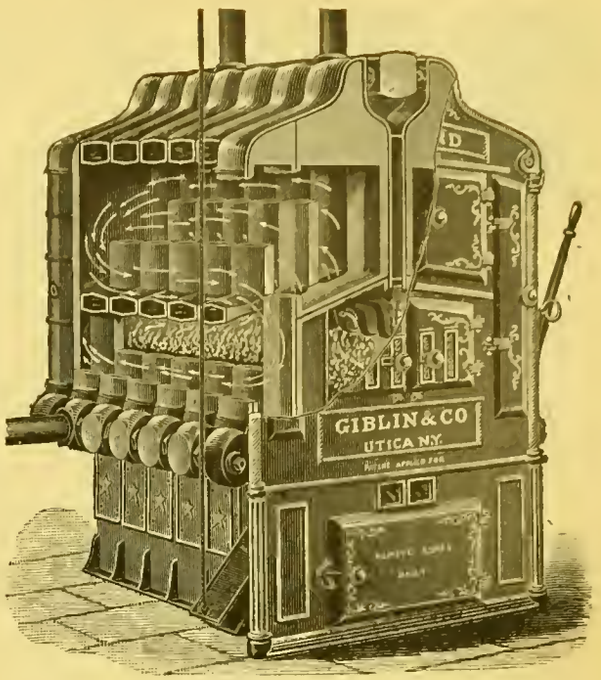
not use the same common sense in buying their heating apparatus as in developing their plants? On certain plants, money and time are thrown away, and no matter how much money and time are spent on them they never amount to anything. It is so with boilers; unless they have excellence in their construction, they are a constant source of

WASTE

Such boilers are usually cheap when first bought, but because of repairs, waste of fuel, labor required in managing, they are a continual source of expense, and every year the florist wastes the difference between what he has paid for a poor boiler and what he would have to pay for a good one. Our boilers are acknowledged of superior merit, they operate with a reasonable supply of

FUEL

and the labor required in managing is reduced to a minimum. With these boilers the florist does not have to



STAY UP NIGHTS to keep his plants from freezing. He sleeps with perfect confidence that the boiler will take care of itself and provide the heat wanted. Where our boilers are known they are appreciated. Where they are not known it is safe to say money is wasted.

WE KNOW that our statements are prejudiced because we are interested in selling our boilers. Do not believe them, but write for our Catalogue and read the letters of florists who have used these boilers and who have written us the results accomplished. They are not prejudiced or interested.

GIBLIN & CO.,

UTICA, N. Y.

Mention the Florists' Exchange when writing

Philadelphia.

Season Opens Late.

It is quite evident that the season will open late here this year. Business in the flower line should by this time be well under way, but the retail stores have but little doing so far. Regular flower buyers are scarce, and the bulk of the work at present is for funerals, some good orders having been received in this line. There have been several prominent weddings in the suburbs the past week, but outside of bouquets the florist has not been sent for. Prices are about as quoted last week. The past 10 days of cloudy weather have been very detrimental to roses, and many poor flowers, with weak stems, are seen. Good carnations have been in demand; in fact, white have been very scarce on days when an extra quantity of funeral work was on hand.

Early Chrysanthemums.

S. S. Pennock was the first to offer chrysanthemums this season. He received the first shipment on October 3; these were of the variety Montmort and sold at $3 per dozen. The demand being slow, the price has dropped this week. He now offers Bergmann, in addition to the above-named sort. Most of the stores bought some for window display purposes. So far few chrysanthemums have been asked for by patrons.

Jottings.

William Scott, Buffalo, was in town this week on business for the Pan-American Exposition. He is visiting exhibitors, and making arrangements for the despatch of different plants, bulbs, etc., for the Exposition.

The second consignment of Roman hyacinths arrived this week, much behind time. With some dealers, this was the first shipment; a few received a small lot some time ago. The tardiness of the French growers has caused much trouble to dealers this season, many orders being held to make a full shipment, while in several cases the Holland stock was sent out, and another shipment must now be made.

DAVID RUST.

A GEM.

I consider your paper a "gem," especially as an advertising medium.

JOHN JONES.

Convent Station, N. J.

CALIFORNIA VIOLETS Extra large field-grown clumps, 8 to 15 inches across, perfectly healthy. $5.00 per 100. Speak quick if you want them.

ALBERT H. BROWN, - Westboro, Mass.

Mention the Florists' Exchange when writing

50,000 California Privet

1½ to 2, and 2 to 3 feet.

Washington Hedge & Nursery Co.,

1328 12th St. N. W., Washington, D. C.

Mention the Florists' Exchange when writing.

FERNS!

Nephrolepis Bostoniensis, from 2½ in. pots, $2 50 per 100.

Nephrolepis Cor. Compacta, from 2½ in. pots, $2.50 per 100.

Begonia Fenstii, from 4 in. pots, $3.00 per 100.

FAIRVIEW FLORAL CO., Beatty, Ohio.

Mention the Florists' Exchange when writing.

SNOWFLAKE New Everblooming Polyantha White Cluster Rose for Forcing. It will be a coming pure white standard material for fine design work, also for 6-inch pans, button holes, etc. True and good, by no mistake, easy to raise, easy to propagate. Plants, 2 in. pots, doz. $2.50; 100, $15.00. 3 in. pots, doz., $4.00; 100, $25.00 Rooted Cuttings, in moss, by mail, per 100, $10. **Clematis**, best large-flowering, 5 varieties, in 2½ in. pots, $5.00 per 100.

ALBERT KNAPPER, Frankford, Phila., Pa.

Mention the Florists' Exchange when writing.

2 Specials for One Week Only

50 AT 100 RATE.

BOSTON FERNS Extra strong, bushy plants in 6 inch pots, good value at $75.00 per 100. **$6.00 per Doz.; $45.00 per 100.**

ASPARAGUS SPRENGERI Strong plants in 5 inch pots, cheap at $25.00 per 100. **$2.50 per Doz.; $18 per 100.**

Fall Trade List of PALMS, FERNS, ASPARAGUS, Etc. NOW READY. If you are in the market for strictly home-grown, clean, healthy Palms, etc., write for a copy.

EMERSON C. McFADDEN, United States Exotic Nurseries, TELEPHONE, 28 A MILBURN, **Short Hills, N. J.**

Mention the Florists' Exchange when writing.

BOSTON FERN

Extra fine strong plants, from the bench. Prices, 25c., 35c., and 50c. This is an opportunity to secure the very best stock for the money yet offered. Also fine Specimen Plants, in pans, at $1.00, $2.00 and $3.50, f. o. b. New York City.

COOKE & McCORD, Tarrytown, N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS

We have a few 1000 fine **Scott** and **McGowan** left. We are offering these at **$3.00 per 100** to close out the stock. Guaranteed to be first-class in every way.

UNION ST. GREENHOUSE CO., Geneva, N. Y.

Mention the Florists' Exchange when writing.

Scott, Portia, Meteor and Eldorado,

$2.00 per hundred.

WM. MURPHY, Sta. F, Cincinnati, Ohio.

CARNATION GROWER.

Mention the Florists' Exchange when writing.

VIOLETS

L. H. Camphell, extra large, healthy, field-grown clumps, $4.00 per 100; $35.00 per 1000. 500 at 1000 rate.

SMILAX, very fine, large plants, $2.00 per 1000.

PANSIES, largest flowering show varieties, fine, stocky little plants, 75 cts. per 100, by mail; $2 00 per 500; $3.50 per 1000, by express

GUSTAV PITZONKA, Bristol, Pa.

Mention the Florists' Exchange when writing.

SURPLUS STOCK OF

FIELD-GROWN CARNATIONS

1000	Scott	$2.50 per 100;	$20.00 per 1000
200	McGowan	2.50 per 100.	
500	Victor	3.00 per 100.	
1000	Rose Queen	2.50 per 100;	20.00 per 1000
200	Tidal Wave	2.00 per 100.	
250	E. Pierson	2 50 per 100.	

Stock all clean and healthy.

F. Schnackenberg, 382 Clarkson St., Flatbush, L. I.

Mention the Florists' Exchange when writing.

SURPLUS CARNATIONS

Strong, healthy, field-grown.

800 Scott, No. 1, $3.00 per 100. 500 Scott, No. 2 (good), $2.00 per 100. 200 McGowan, Sport, No. 2, $2.00 per 100. 200 Victor, No. 2, $2.00 per 100. 500 Russell (new), extra strong, $6.00 per 100.

E. P. Beebe, Elizabeth, N. J., says: Those Russells were the largest plants I ever benched, but they never wilted. Am pleased with the prospect of getting something better than Scott.

CHAS. BLACK, Hightstown, N. J.

Mention the Florists' Exchange when writing.



From all sides the cry seems to come that chrysanthemums will be later this year. While it is true that the flowers finish very rapidly from now on, if the weather is cool and bright, the fact is evident that the dull, wet weather we have had for the past 10 days will make quite a difference in the case of the earlier flowers. Glory of the Pacific, with its white sport, Polly Rose, should be in by this time; but I have not seen any of them as yet. Robinson we have been, hitherto, able to commence cutting by the 18th of this month, but at this date, October 10, the flowers are only just beginning to expand. October Sunshine will be ready for cutting in a week, and a beautiful thing it is. The bad weather does not affect it as it does so many of the earlier varieties, causing them to damp, and, I think, as this variety becomes better known, it will be grown more extensively. True, it is a trifle pale in color, but a beautiful clear yellow notwithstanding. Sunderbruch and Australian Gold are both well forward, but not so early as last year. Australian Gold, on the early bud, has too long a neck to rank very high among yellows. Trenor L. Park is also pushing up rapidly.

The thrips should be closely looked for as the flowers develop. The number of petals a single insect will disfigure in a flower overnight is appalling. Sunderbruch is one of the favorite varieties for this pest to work on, though in its absence any other old variety will do.

The grower with all his early kinds together in one house is fortunate, as he can maintain the dry, buoyant atmosphere which the opening flower needs, with a night temperature of 50 degrees, without injury to the later varieties, which require to be syringed yet on bright days to keep down the red spider and aphis. The black fly grows apace in a dry, bracing atmosphere, and it is impossible to fumigate heavily enough to kill them, if half the plants in the house are in full flower.

Feeding the early varieties should be stopped when they are well showing color. In the case of Glory of the Pacific, it should be done before the bud shows color, and the same rule applies to Pink Ivory. If continued too long the flowers, instead of coming pink, will be washy, and neither pink nor white.

Clear, cold weather from now on will bring in the midseason, and later varieties about their usual time. The buds are swelling fast, and many of them are showing specks of color around the edges. Mayflower, Hardy, Morel, Bonnaffon, Falconer, and Belle of Castlewood are showing color, more or less. White Bonnaffon has picked up wonderfully since the cooler weather. Buds on both crown and terminal seem coming equally well.

Of the late ones Golden Wedding, Chadwick, Jerome Jones and Lucie Faure are still comparatively small in the bud, but look promising. These late varieties will stand feeding for some time yet. Liquid from cow or sheep manure is best, though if your plants are in good condition and do not require much feeding, a few applications of chemical manures will suffice. Nitrate of soda or sulphate of ammonia may be used in the proportion of one pound to 50 gallons of water, but it is not advisable to use either after the bud shows color, as these fertilizers have a tendency to make the flower soft, and a dose of nitrate of soda given too late will cause all the petals to fall from the head and, possibly, that variety or varieties to get a bad name as being too soft, and bad shippers, when the fault lay really with the grower. Used carefully, the chemical manures are a great help, but bitter personal experience seems to be the only way to teach some men to be careful in the use of these. IORA.

Chrysanthemum Committees.

President Herrington has announced committees to examine chrysanthemum seedlings and sports on dates as follows:—October 13, 20 and 27, November 3, 10, 17 and 24.

BOSTON, MASS.—A. H. Fewkes (chairman), Horticultural Hall, Tremont street.

NEW YORK, N. Y.—E. Dailledouze (chairman), care New York Cut Flower Co., 119 West 23d street.

PHILADELPHIA, PA.—A. B. Cartledge (chairman), 1514 Chestnut street.

CINCINNATI, O.—R. Witterstaetter (chairman), care Jabez Elliott Flower Market (care of janitor).

CHICAGO, ILL.—J. Wilson, care, J. B. Deamud, 51 Wabash avenue.

Exhibits to receive attention from the committees must in all cases be prepaid to destination, and the entry fee of $2.00 should be forwarded to the Secretary not later than Tuesday of the week preceding examination.

EDWIN LONSDALE, Secretary.
Wyndmoor, near Philadelphia, Pa.

Coming Exhibitions.

(Secretaries of other shows will oblige by sending us schedules.)

SAN FRANCISCO, CAL., October 25-27.—California State Floral Society. Mrs. Henry P. Tricon; secretary, 846 Grove street.

POUGHKEEPSIE, N. Y., November 6-8.—Dutchess County Horticultural Society. W. G. Saltford, manager, Poughkeepsie.

HARTFORD, CONN., November 6-9.—Connecticut Horticultural Society. L. H. Mead, secretary, Hartford.

BOSTON, MASS., November 6-9.—Massachusetts Horticultural Society. Robert Manning, secretary, Horticultural Hall.

CHICAGO, ILL., November 6-10.—Chicago Horticultural Society. W. N. Rudd, secretary, Room 1002, 185 Dearborn street.

MADISON, N. J., November 7-8.—Morris County Gardeners' and Florists' Society. Charles H. Atkins, secretary, Madison, N. J.

DENVER, COL., November 7-9.—Denver Florists' Club. A. M. Lewis, secretary.

COLO SPRINGS, N. Y., November 8-9.—Putnam County Horticultural Society. John A. Connolly, secretary.

WACO, TEX., November 13-17.—Texas State Floral Society. Mrs. M. B. Davis, secretary, Waco.

PHILADELPHIA, PA., November 13-17.—Pennsylvania Horticultural Society. David Rust, secretary, Horticultural Hall, Broad street.

PROVIDENCE, R. I.—November 14-16.—Rhode Island Horticultural Society. C. W. Smith, secretary, 61 Westminster street.

ST. LOUIS, MO., November 14-16.—St. Louis Florists' Club. Emil Schray, secretary, 4101 Pennsylvania avenue.

HOUSTON, TEX., November 15-16.—Mrs. M. E. Bryan, secretary.

BALTIMORE, MD., February 21-22, 1901.—American Carnation Society. Albert M. Herr, secretary, Lancaster, Pa.

NEW YORK, March, 1901.—American Rose Society, Leonard Barron, secretary, 136 Liberty street.

Mr. Eisele's European Trip.

At the Dreer establishment, Riverton, N. J., I met that genial person, J. D. Eisele, bronzed from his recent European trip. He looks 10 years younger, and says he feels as he looks. Much of his time was spent, together with George D. Clark of the Seed Department, in looking for new things both in annuals and perennials. They found several novelties, but very few of much promise, among them a new montbretia of German origin, which greatly resembles Crocosma imperialis, introduced a few years since, excepting that it is larger, in fact, the largest yet seen of this family. The flower is a dazzling scarlet, borne on a long spike, and the plant is very free. It will make a grand bedding subject, or for cutting during Summer, as it comes into bloom very early, and continues until late in the season. Mr. Eisele has had the plant under observation for four years. A new hardy climber is Polygonum baldshualcum, a strong, rapid grower, commencing to bloom in July and continuing until cut down by frost. The flower is creamy white in color, being borne in large feathery sprays. The plant will become very popular; but is somewhat difficult of propagation. Dahlias were splendidly done at the Palm Garden, Frankfort, some new kinds being very fine. They were at their best at the time of Mr. Eisele's visit. The finest display of aquatics was seen at the gardens of Lord Rothschild, at Gunnersbury, London; and the first nectarine ever tasted by the visitor was sampled at the gardens of J. Pierpont Morgan, at Dover House, where that entertaining and enthusiastic member of the craft, Mr. McCloud, has presided for several years, and is responsible for the high character of this charming establishment.

The mammoth plant of the Rochford's was visited, and it being a holiday the visitors were invited in by the genial head of the concern to witness the games to be participated in by the army of employees. The interest taken in the sports by their jovial employer, together with the good feeling exhibited toward him by the boys, was a grand object lesson, and one which could not but make a favorable impression upon those who witnessed it.

Very little that is new was seen in cannas, nothing better than what is observed in the trial grounds here, and noticed elsewhere. In hardy plants we have Desmodium penduliflorum, one of the prettiest things in its class. The flower is of a wine color, and borne in racemes in great profusion. A baccharis, with flowers creamy white, produced in dense clusters, was also noted. Azaleas are fine this season. Mme. Van der Cruyssen is rather scarce, but enough was secured to fill contracts.

Many inquiries were made regarding the Pan-American Exposition, and it is very likely that a larger number of Europeans will visit the Bison City on this occasion than attended our World's Fair at Chicago. W. M.

In connection with the Handicraft Schools of Hartford, Conn., is a School of Practical Horticulture where students are instructed in the study of fruits, flowers, botany, economic entomology, market gardening, and landscape gardening. The marketing of crops is also given both study and practice. H. D. Hemenway is director of the school.

SPECIAL OFFER

10,000 CHINESE PRIMROSES.

For the next Two Weeks we will sell our

Finest Strain of Separate Colors, Single and Double Primroses for **$2.50 per 100; $20.00 per 1000.** All Colors Mixed, **$2.00 per 100; $15.00 per 1000.**

Plants are Extra Fine, 2½ Inch Pots. TERMS CASH.

ADDRESS

S. ALFRED BAUR, Successor to HENRY NIEMEYER, **Erie, Pa.**

Mention the Florists' Exchange when writing

Cryptomeria Japonica (JAPAN CEDAR), strong plants, from 2 inch pots at $5.00 per 100; 20 for $1.00
Asparagus Sprengeri 2 inch, strong, $2.50 per 100
Satisfaction guaranteed

E. I. RAWLINGS, Quakertown, Pa.

Mention the Florists' Exchange when writing.

CRYPTOMERIA JAPONICA

A plant that has all the grace and beauty of Araucaria Excelsa. Everybody wants it. Strong plants, 2½ inch pots, $5.00 per 100.

Grevillea Robusta. Very fine for center plants of fern dishes. 3½ inch pots, $5.00 per 100

Cupressus Lawsoniana. Fine evergreens, 2½ inch pots, $4.00 per 100.

Shellroad Greenhouses, Grange P. O., Balto, Md.

Mention the Florists' Exchange when writing.

	Per 100
Ferns, in variety, 2¼ in. pots	$3.00
Cryptomeria Japonica (Japan Cedar) 2½ in pots	5.00
Cyperus Alternifolius (Umbrella Plant), 2 in. pots	2 00
" " 3 in. "	3 00
" " 4 in. "	5.00
Grevillea Robusta (Silk Osk), 4 in pots	7.00

LOW EXPRESS RATES.

J. S. BLOOM, Riegelsville, Pa.

Mention the Florists' Exchange when writing

ORCHIDS

A splendid stock of established and unestablished Orchids always on hand. A number of varieties now in sheath and spike.

CORRESPONDENCE SOLICITED.

LAGER & HURRELL, Summit, N. J.

Mention the Florists' Exchange when writing.

ARAUCARIA EXCELSA 5½ inch pots, 3 tiers, from 9 to 11 inches high, 80 cts.; some for 70 cts., a little smaller

Ficus Elastica (Rubbers), 8 inch pots, from 18 inches upwards, 50 cts. each; $5.00 per doz. (very fine).

Boston Ferns, 4 inch pots, $2.00 per doz.

Umbrella Plants, 3 inch pots, $5.00 per 100

Tuberous Rooted Begonia, 4 inch pots, mostly white, etc., 75 cts. per doz.

Heliotropes for winter-blooming, fine plants $5.00 per 100.

Godfrey Aschmann, 1012 Ontario St., Rising Sun, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing

AZALEAS - - }
PALMS - - - }
NEW PLANTS } **SANDER**
BAY TREES - } **BRUGES, BELGIUM**

The largest and finest stock on the Continent.

A. DIMMOCK, our representative, is now in the U. S. and will be pleased to reply to any communications addressed to **60 Vesey Street, New York.** Lists on application.

Mention the Florists' Exchange when writing.

FERNS. FERNS.

This year our ferns are in fine shape. A good variety and fine bushy stock. 2¼ in. pots, $3.00 per 100; $28 00 per 1000.

Asparagus Plumosus Nanus, 2½ in. pots, strong, $6.00 per 100.

Asparagus Sprengeri, 2½ in. pots, strong, $4.00 per 100.

HENRY WESTON & BRO., Hempstead, N. Y.

Mention the Florists' Exchange when writing.

CHOICE FERNS IN FLATS.

100,000 at One Cent.

JOHN H. LEY, Good Hope, Washington, D. C.

Can supply very good, hardy plants, which, potted now, will fill a 2½ in. pot in a few weeks, best market sorts. Have sent by mail and express to every State and Canada, and have given universal satisfaction.

Sample 100 mailed, $1.25
1000, in 10 Sorts, by Express, $10.00.

Pteris Cretica Alba, P. Adiantoides, P. Longifolia, P. Hastata, P. Sulcata, P. Tremula, Adiantum Grandiceps, Nephrodium Cristatum, Lygodium. Lomaria Gibba, Selaginellas, &c., &c.,

POST ORDERS, GOOD HOPE, D. C.

Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.

1730 CAMBRIDGE ST.

Mention the Florists' Exchange when writing.

BIG BOSTON FERNS

Pot-grown, ready for 8, 9, 10 in., 20 to 30 fronds, 2 to 3 feet long. There is money in them for you, just what you want for Fall trade. First size, $1.00; 2d size, $75 cts. each. Get them while they are going. Cash, please.

A. J. BALDWIN, Newark, Ohio.

Mention the Florists' Exchange when writing.

FERNS For dishes, etc., in 6 of the leading varieties, from 2½ in., $3.00 per 100.

ASPARAGUS Plumosus Nanus, 3 inch, $5.00 per 100; strong, 3½ in., $8 per 100.

FORGET-ME-NOT True Winter-flowering, 3 inch, $3.00 per 100; 4 inch, 75 cts. per dozen.

PELARGONIUMS In six of best bloomers, mixed, from 3 in., $3 a 100.

JOHN G. EISELE, 20th and Ontario Sts., PHILA., PA.

Mention the Florists' Exchange when writing.

DREER'S SPECIAL OFFER OF HARDY PERENNIALS

Varieties marked with a star (*) are specially suited for Cut Flowers.

	Per doz.	Per 100
*Achillea, The Pearl, 3-inch pots	$0 60	$4 00
" Filipendulina, strong	75	6 00
" Millefolium Roseum, strong	60	4 00
Aegopodium Variegatum, 3-inch pots	60	4 00
Ajuga Reptans Variegata, 3 "	1 00	8 00
Anemone Pennsylvanica, 3 "	75	6 00
* " Japonica Alba, 3 "	75	6 00
* " " Whirlwind, 3-in. pots	75	6 00
* " " Elegans, 3 "	75	6 00
* " " Lady Ardilaun, 3-in. pots	75	6 00
* " " Queen Charlotte, 3-in. pots	1 00	8 00
* " " Coupe d'Argent, 3-in. pots	1 00	8 00
Aquilegia Chrysantha, clumps	1 00	6 00
" " Alba, clumps	75	6 00
" Cœrulea	75	6 00
Arabis Alpina, strong	75	6 00
Asclepias Tuberosa, strong	75	6 00
Asters (Michaelmas Daisies), 12 choice varieties	75	6 00
Armeria Maritima	60	4 00
" " Alba	60	4 00
*Bocconia Cordata, strong	75	6 00
*Boltonia Asteroides, strong	75	6 00
* " Latisquama, strong	75	6 00
Callirhoe Involucrata	75	6 00
Campanula Aliaræfolia	75	6 00
" Pyramidalis	1 00	8 00
*Caryopteris Mastacanthus, strong	75	6 00
Cerastium Tomentosum, strong	75	6 00
" Boissierii, strong	75	6 00
Cimicifuga Racemosa	1 00	8 00
Clematis Davidiana, 1 year old	75	6 00
*Coreopsis Lanceolata Grandiflora, clumps	75	6 00
*Delphinium Chinensis, 1 year old	75	6 00
* " Formosum, 1 year old	75	6 00
* " Sulphureum, 2 year old	2 00	
* " Belladona, 3 inch pots	2 00	15 00
*Dictamnus Fraxinella, pink	1 00	8 00
* " " white	1 25	10 00
Dielytra Eximia	1 00	8 00
" Spectabilis, strong clumps	85	6 00
Digitalis, strong	1 00	8 00
*Doronicum Excelsum, strong	1 00	8 00
* " Austriacum, strong	1 00	8 00
* " Caucasicum, strong	1 00	8 00
Draba Androsacea, 2¼-inch pots	75	6 00
*Erigeron Purpureum, strong	1 50	12 00
Epimedium Lilacea, strong	2 00	15 00
" Macranthum, strong	2 00	15 00
" Niveum, strong	2 00	15 00
" Sulphureum, strong	2 00	15 00
Eryngium Planum, strong	1 25	10 00
*Eupatorium Coelestinum, 3 inch pots	75	6 00
Funkia Coerulea	60	4 00
" Alba	1 00	8 00
Funkia Variegata	$0 75	$6 00
" Thos. Hogg	75	6 00
*Gaillardia Grandiflora, 4-inch pots	75	6 00
" " clumps	1 00	8 00
*Gypsophila Paniculata, 1 year old	75	6 00
Geranium Sanguineum, strong	1 00	8 00
Geum Coccineum fl. pl.	1 25	10 00
*Helenium Grandicephalum Striatum, strong	75	6 00
* " Autumnale Superba, strong	1 00	8 00
* " Bolanderi, strong	1 00	8 00
* " Pumilum	1 25	10 00
*Helianthus Maximiliana	75	6 00
* " Multiflorus fl. pl.	75	6 00
* " " Maximus	75	6 00
*Heliopsis Pitcherianus, strong	75	6 00
" Scaber Major	1 00	8 00
Hemerocallis Dumortieri	1 00	8 00
" Flava	50	4 00
" Fulva	50	4 00
" Kwamso fl. pl.	75	5 00
Heuchera Alba	1 00	8 00
Hibiscus Crimson Eye, 1 year old	75	6 00
" Moschentos, 1 year old	75	6 00
Hollyhock Allegheny, in choice mixture	1 00	8 00
" Choice Single, "	1 00	8 00
* " " Double "	1 00	8 00
* " " " in 6 separate color	1 25	10 00
*Hypericum Moserianum, 1 year old	75	6 00
Iris Germanica, 10 choice named sorts	75	6 00
* " Kæmpferi, 24 " " "	1 50	10 00
*Lobelia Cardinalis, strong	60	4 0
* " " Queen Victoria, 3 in pots.	75	6 00
" Apollo, 3 inch pots	1 50	12 00
" Syphilitica, clumps	60	4 00
*Lychnis Vespertina Alba, clumps	1 25	10 00
* " Chalcedonica, fl. pl.	1 50	12 00
" Haageana	75	6 00
" Semperflorens Plenissima	1 00	8 00
* " Viscaria Splendens, clumps	1 25	10 00
Lythrum Roseum Superbum	75	6 00
*Lysimachia Clethroides, strong	75	6 00
" Nummularia	50	4 00
Monarda Didyma Rosea, clumps	75	6 00
" Fistulosa Alba, clumps	75	6 00
Mertensia Virginica	1 00	8 00
Œnothera Speciosa, 3 inch pots	75	6 00
" Fraseri, 3 inch pots	75	6 00
" Cæspitosa, 3 inch pots	75	6 00
*Pardanthus Sinensis, strong	50	3 00
*Pentstemon Barbatus Torreyii, strong	1 00	8 00
" Cœruleus, strong	1 00	8 00
Phlox Subulata Rosea	75	5 0
" " Alba	75	5 00
" " Atropurpurea	75	6 00
" " Lilacea	75	6 00
" " Nelsoni	75	6 00
" " The Bride	75	5 00
Phlox Amœna	$0 75	$6 00
* " Divaricata Canadensis	75	6 00
*Physostegia Virginiana, strong	75	6 00
* " Alba, strong	75	6 00
*Pinks, in six choice varieties, clumps	75	6 00
*Platycodon Mariesii, clumps	75	6 00
* " Japonicum, fl. pl., clumps	75	6 00
Plumbago Larpentiæ, clumps	1 00	8 00
Polemonium Cœruleum	1 00	8 00
" Himalayanum Album	1 25	10 00
" Richardsoni	1 25	10 00
Poppies Oriental, 3 inch pots	75	6 00
Primula Veris (Cowslip)	75	6 00
" Vulgaris, English Primrose	75	6 00
*Pyrethrum Uliginosum, strong	1 00	8 00
* " Hybridum, mixed seedlings, clumps	1 00	8 00
*Rudbeckia Newmanii, clumps	75	6 00
* " Sub-tomentosa, clumps	75	6 00
* " "Golden Glow," large clumps	1 25	10 00
* " " " strong	50	3 00
* " Purpurea, strong	1 00	8 00
Ranunculus Acris, fl. pl., strong	75	6 00
Santolina Incana, 3-inch pots	50	4 00
*Scabiosa Caucasica, blue	1 25	10 00
* " " Alba	1 25	10 00
Sedum Acre, clumps	50	4 00
* " Spectabilis	1 25	10 00
*Spiræa Ulmaria	1 00	8 00
* " Filipendula, fl. pl	75	6 00
* " Chinensis	1 50	10 00
* " Aruncus	1 00	8 00
* " Venusta	2 00	15 00
*Statice Latifolia, 1 year old	1 25	10 00
*Stokesia Cyanea, 2½-inch pots	1 50	10 00
*Thalictrum Aquilegifolium	1 25	10 00
* " Atropurpureum	1 25	10 00
Thermopsis Caroliniana, 1 year old	1 00	8 00
Thymus Montanus Albus, divisions	75	6 00
" Vulgaris Coccinea "	75	6 00
Tradescantia Virginica, strong	75	6 00
Tricyrtus Hirta Nigra, 3 inch pots	1 00	8 00
*Tritoma Uvaria Grandiflora, clumps	1 50	12 00
" " " strong divisions	75	6 00
* " Pfitzeri	1 50	10 00
*Trollius Europæus	1 00	8 00
* " Orange Globe	2 00	15 00
*Veronica Longifolia Subsessilis, strong	2 00	15 00
" Incana	1 50	12 00
" Rupestris, strong	1 00	8 00
" Spicata, "	1 00	8 00
" " Alba, strong	1 00	8 00
Viola Pedata	60	4 00
" " Bicolor	75	6 00
" Double Russian	60	4 00
" Hardy Yellow	75	6 00
Vinca Minor, very strong clumps	75	6 00
Yucca Filamentosa, strong	1 25	10 00

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

STOCK THAT WILL PLEASE

ROSES, Meteor, Bride and Maid, strong, 3½ in. pots, $4.00 der 100.
ASPIDISTRA, Green, $5.00 per 100.
" Variegated, $8.00 per 100.
SMILAX, strong, 2 in., $1.50 per 100.
JERUSALEM CHERRY, 2 in., $1.50 per 100.
FICUS, top cutting, fine, $18.00.

A. C. FEHR, Belleville, Ills.

Mention the Florists' Exchange when writing.

J. E. FELTHOUSEN,
Rooted Cutting Specialist,
SCHENECTADY, N. Y.

Mention the Florists' Exchange when writing.

PRIMROSES

	Per 100
Chinese Mixed, large flowering, fringed	$1 50
Obconica Grandiflora and Rosea	2 00
ASPARAGUS SPRENGERI, 2 in. pot	2 50
PLUMOSUS, 2 "	3 50

PANSY PLANTS Large flowering, per 1000, $2.50; per 100, 50 cts.
Cash, please.

JOS. H. CUNNINGHAM, Delaware, O.

Mention the Florists' Exchange when writing.

OCTOBER PURPLE PLUM!

The best of all Burbank Plums. We have a large and fine stock of trees, one or two year's old on Plum and Peach stock. Address

STEPHEN HOYT'S SONS, New Canaan, Conn.

Mention the Florists' Exchange when writing.

XXX STOCK For Immediate Shipment.

Cyclamen Persicum Splendens Giganteum, finest strain in the world, in 4 true colors, a splendid stock of plants, from 2½ in. pots, $5.00 per 100; $40.00 per 1000; from 3 in. pots, $7.00 per 100; $60.00 per 1000.
Rex Begonia (rooted cuttings). I have a most beautiful collection of this justly popular pot plant, in 25 very handsome varieties; assorted, $2.00 per 100; mixed, $1.50 per 100.
ALL STOCK GUARANTEED A No. 1.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

Cineraria Hybrida Grandiflora

Michell's Giant Prize, 2 in., $2.50 per 100.
Primula Forbesii (Baby Primrose), extra fine plants from 3 in. pots, ready for 4s and 5s, only $5.00 per 100.
Heliotrope, dark, 3 inch, bushy, $3.00 per 100.
Vinca Variegata, field-grown, strong, $4.00 per 100.
MARS GERANIUM 3 in., stocky, $4.00 per 100.
Begonia Rex, 15 varieties, 3 inch, $5.00 per 100.
Flowering Begonias, 2 in., 15 vars., $2.50 per 100.
Cyperus Alternifolius, 3 in., fine, 5 to 8 stems, $5.00 per 100. Cash with order, please.

GEORGE J. HUGHES, Berlin, N. J.

Mention the Florists' Exchange when writing.

---

600 FINE
SMILAX PLANTS

2½ Inch Pots, $2.00 per 100.
CASH WITH ORDER.

WM. KEIR, - Pikesville, Md.

Mention the Florists' Exchange when writing.

5,000 VINCA MAJOR VAR. Field-grown, full 2 to 3 ft., $6.00 per 100.
California Violet Clumps, $3.00 per 100; L. H. Campbell, $5.00, fine.
Blue and Crimson Spiræa, 2½ in., 3c.; field-grown, 6c.
Alyssum, 2½ in., for winter, $2.50 per 100.
Marguerites, white, 4 in., 6c.
Boston Fern 5 in. 10 to 15 fronds, 15c.
Scott and Portia Carnations to close, $3.00 per 100
CASH, PLEASE.

BENJ. CONNELL, Florist, West Grove, Pa.

Mention the Florists' Exchange when writing.

XMAS SPECIALTIES

BABY PRIMROSES, strong, A1, 2¼ in., $3.00 per 100; 3½ in., $4.00 per 100.
BROWALLIA GIGANTEA, very fine stock, 2¼ in., $3.00 per 100; rooted cuttings, $1.50 per 100.
BEGONIA, Gloire de Lorraine, fine stock, 2¼ in., $1.50 per doz.; 3 in., $2.50 per doz.

Plants A1, and your money back if not satisfactory. Cash, please.

HENRY EICHHOLZ, Waynesboro, Pa

Mention the Florists' Exchange when writing.

VINCA MAJOR VARIEGATA Field-grown, strong, $3.00 and $4.00 per 100.
SMILAX Plants, Extra, 3 in. $2.50; 3 in. good, $2.00; 2½ in., $1.25 per 100.
CASH, PLEASE.

J. H. DANN & SON, Westfield, N. Y.

Mention the Florists' Exchange when writing.

PRIMROSE and CYCLAMEN.

Primrose latest improved large flowering fine plants, ready for 3½, $1.50 per 100.
Cyclamen Giganteum 3 in. $4.00 per 100
Extras added. Cash, please.

J. W. MILLER, Hatton, Pa.

Mention the Florists' Exchange when writing.

REDUCED PRICES FOR CASH



10,000 Chinese Primulas, Red, White, Pink and Blue, Barnard's Strain, 2¼ inch, $1.50 per 100.
20,000 Giant-Flowering Pansy Plants, 1-6 per cent. Ruffled, $4.00 per 1000.
8,000 Flowering Begonias, 2½ inch, in ten choice varieties, $1.50 per 100.

THE MORRIS FLORAL CO., Morris, Ill.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO., LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00.
Payable in advance. The date on the address label indicates when subscription expires.

CHANGES OF ADDRESS.

When notifying the publishers to send the paper to a new address, give both old and new addresses.

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Copy must reach this office not later than Thursday in order to secure insertion in issue of the following Saturday.
Orders from unknown parties must be accompanied by cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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Benjamin B. Nourse, the inventor of Nourse's folding plant stand and Wardian flower cases, died at Westbrook, Me., recently, aged 86 years.

The Model Plant Stake Co. have had an exceptionally large number of orders of late, including one order for 57,000 carnation supports.

The Bindekunst says that the Frankfurt Show reached the goal it had in view. The projectors and exhibitors share alike in the success, and as both parties were not disappointed in their expectations, it may be safe to expect a second similar exhibition in the near future.

A French philanthropist has opened a free "hospital" for plants in the Faubourg St. Antoine, and the institution is proving a great boon to poor Parisians, nearly all of whom are flower lovers and have plants in their windows. The "hospital" buildings are big greenhouses, and the doctors and nurses are gardeners who look after the plants which are kept until they recover, when they are returned to their owners.

GALVESTON RELIEF FUND.

"Open Thine Hand wide unto thy Brother, and to thy needy, in thy Land."

The publishers of the FLORISTS' EXCHANGE have, for the convenience of our readers, decided to receive subscriptions at this office for the Galveston relief fund, which will be at once acknowledged in these columns, and the amount contributed forwarded to the proper authorities as the donations of our trade on behalf of their suffering brethren in the storm-swept sections. Checks and money orders for the Galveston relief fund should be made out in favor of the A. T. DeLa Mare Printing and Publishing Co., Ltd., crossed "in aid of Galveston sufferers."

If you, dear reader, without an hour's warning, without the faintest possibility of escape therefrom, were suddenly, through some unforeseen overwhelming power, awful in its work of death and desolation, deprived at one fell stroke of all your earthly possessions, glad to escape with your life, you would still be, however, bravely you might strive to bear your trouble, mentally tired and sick at heart, and the substantial sympathy of your friends, as shown in their ministering to your wants, and in their financial efforts to restore your losses, would be welcomed, each and every act of kindness, as angels' visits.

You, however, are fortunate; you have not suffered; your brethren in Galveston have, though, and they need your sympathy and substantial assistance.

Let them have it promptly.

Publishers Florists' Exchange:

The Galveston florists met October 2, at the home of Mr. J. D. Pruessner, and organized. Mr. Pruessner was elected chairman, and Mr. F. G. Laeverenz, secretary.

We beg to acknowledge receipt of draft from the Hon. W. C. Jones, Mayor of our city, to the amount of $154, which you were instrumental in collecting and forwarding for our benefit. Any future donations that may be addressed to you, kindly forward same to Sealy, Hutchings & Co., bankers, of this city, to be placed to the credit of the Galveston Florists' Fund. We will render you final account of disbursements.

We have brought our condition to the notice of the Chicago Florists' Club, also of the S. A. F. Previous letters of individual florists have pretty well stated our immediate needs, and every florist of this broad and generous land is by this time fairly well acquainted with our condition, and knows where we stand—we simply have to commence at the bottom of the ladder again. Any communication addressed either to the chairman, or secretary of the Association, will receive prompt attention.

The florists of Galveston beg to convey to you their warmest thanks for the kind assistance which you so far have rendered them, and the kind contributors to our cause may rest assured of our eternal gratitude. Kindly aid us in future in the furtherance of our aims, and oblige,

THE GALVESTON FLORISTS,
Per F. G. LAEVERENZ, Secretary.

CORRECTED LIST OF LOSSES, ELIMINATING EVERYTHING THAT HAS NO DIRECT BEARING UPON A FLORAL BUSINESS, SUCH AS DWELLINGS, HOUSEHOLD EFFECTS, FURNITURE, ETC.

J. C. Wise	$250
Mrs. L. Harris	750
Paul Poppe	1,600
Steding Bros.	1,500
Mrs. Charles Eickholt	1,300
Otto Fehrlin	3,500
Mrs. Maurer	1,000
Olaf Olson	800
F. G. Laeverenz	1,500
J. D. Pruessner	5,900
Total	$18,100

Editor Florists' Exchange.

I propose to send to the Galveston sufferers some seeds, viz.: 2 oz. pansy, Giant Madame Perret; 2 oz. Mlle. Cecile Davy; 1 lb. Giant Trimardeau fine mixed; 5 lbs. forcing radish; 2 oz. earliest French cabbage; 2 oz. large Savoy cabbage; 2 lbs. large Guerande carrot; 1 lb. of my earliest Winter onion; 500 California privet, rooted cuttings; 25 rudbeckia Golden Glow, large clumps.

Please let me know where to send these goods. I shall forward them by express, prepaid. BEAULIEU.

Woodhaven, N. Y.

[We would recommend that the goods be sent either to Mr. J. D. Pruessner, or F. G. Laeverenz, Galveston, the chairman and secretary, respectively, of the Florists' Relief Fund there.—ED.]

Editor Florists' Exchange.

We have this day, (October 10) sent our check for $50 to F. G. Laeverenz, secretary of the Florists' Relief Committee, of Galveston, Texas. We will also donate 10,000 rose plants and 10,000 miscellaneous plants whenever the Galveston florists are ready to receive them.

THE GOOD & REESE CO.

Springfield, O.

Publishers Florists' Exchange.

Enclosed find check for $5 for Galveston Relief Fund, to assist Galveston florists. JOHN G. ESLER.

Saddle River, N. J.

Please find inclosed $10 in cash for the Galveston, Texas, Relief Fund. I am satisfied in my own mind that the money is badly needed. CHAS. T. SIEBERT.

Pittsburg, Pa.

Inclosed find my check for $25 for our brother florists who suffered from the terrible hurricane at Galveston. This was a horrible calamity, and I hope I may never hear of another such as long as I live. I send this to you, thinking you may have more to forward, after your full representation of the matter in the FLORISTS' EXCHANGE of the 6th inst.

Hightstown, N. J. CHAS. BLACK.

Contributions Received.

Peter Henderson & Co., New York City,	$100.00
C. W. Ward, Queens, N. Y.	50.00
The Florists' Exchange.	25.00
Charles Black, Hightstown, N. J.	25.00
Chas. T. Siebert, Pittsburg, Pa.	10 00
John G. Esler, Saddle River, N. J.	5 00
C. Eisele, Philadelphia, Pa.	5 00
John Birnie, West Hoboken, N. J.	2.00
Beaulieu, Woodhaven, N. Y.	2.00

List of Subscriptions to Date Secured by Chicago Florists' Club.

J. C. Vaughan	$10 00
Chicago Carnation Co. contribution box	6 74
E. Wienhoeber	10 00
C. A. Samuelson	10 00
F. F. Benthey	10 00
F. Stielow	10 00
Wietor Bros.	10 00
Bassett & Washburn	10 00
E. H. Hunt	10 00
Peter Reinberg	10 00
McKellar & Winterson	10 00
McKellar & Winterson, collections	3 00
John Reardon, collections	33 00
W. Kreitling, "	10 00
G. Reinberg	5 00
J. B. Deamud	5 00
American Florist	25 00
E. C. Amling	5 00
Walter Retzer & Co.	25 00
	$217 74

The Carnation as a Party Emblem.

Political leanings aside, we believe that every carnation grower in America will welcome the selection of the divine flower as one of the great party emblems, during election campaign this year—the first time that a flower has been chosen as such in the history of national politics. The carnation is President McKinley's favorite blossom, and that is the reason why the Republican party has selected that flower as its emblem. It is recorded that when Mr. McKinley first entered Congress, his mother, on his leaving home, gave him a pink carnation. She had read, says a writer, years before, that "those who succeed in cultivating perfect carnations understand the true science of flowers. Happy is the florist, or owner of a garden, who can boast that he can raise six perfect blooms of these beautiful blossoms." So interested did she become from these sentences, that she devoted years of her life to raising carnations, and on the morning that her son entered Congress for the first time he wore his mother's gift on his black coat—a perfect carnation flower.

In order to still further create interest in this feature of the campaign, the wholesale florists and growers in New York and vicinity, have, at the instance of C. W. Ward of Queens, agreed to furnish carnations for the New York Wholesale Dry Goods Club, to be worn in the Business Men's Parade, in New York, on November 3. Mr. Ward will supply quantities of the varieties President McKinley, a beautiful clear pink, and the now well-known Governor Roosevelt. Dailledouze Bros. will furnish a quantity of No. 666; John N. May, of Olympia. Other contributors, we understand, will include the Briarcliffs greenhouses, Wood Bros., Thorwald Jansen, Charles Hunt, A. J. Tharp, of New York State. From Long Island Samuel Thorne, John H. Taylor, Frederick Storm, E. B. Sutton, Charles H. Allen, J. H. Hayden, Chris. Besold, H. C. Rath, V. Dorval, Charles T. Darling, P. S. Beverly, J. A. Snydam, H. A. Molatsch, Kowenhoven Bros., Peter DeMeusy, John Reimels, Woodhaven Floral Co., George Matthews, Charles Lenker, J. H. Bechamps, Louis Depuy, A. Schultheis, William Bell, R. H. Gardner, R. P. Jeffreys & Son and Peter Denyse, Jr. From New Jersey: Frank McMahon, Chris. Pesenecker, Lench Bros., John Harrison, William Saling, W. B. DuRie, H. Quimby, George Darsley and Daly Bros. Benjamin Durfee, of Washington, D. C., Weber & Son, of Oakland, Md., Fillow & Banks, of Westport, Conn., John Young, Thomas Young, Jr., John I. Raynor, New York Cut Flower Co., W. F. Sheridan, Traendly & Schenck, W. S. Allen, George Bradshaw, M. A. Hart, James Hart, William Ghormley, W. H. Gunther, Frank Millang, Charles Millang, Julius Lang, Ford Bros., Purdee Bros., Alex Guttman, Fitzgerald & Hammond, J. J. Blauvelt, Hicks & Crawbuck and A. H. Langhar from New York and Brooklyn. Mr. Thomas W. Lawson has also been asked to contribute a handsome quota of the famous Mrs. Lawson.

It is estimated that 50,000 carnation blooms will be forthcoming, as the result of the above donations.

Photographic Contest for September.

The first prize in the Photographic Contest for September goes to Mr. Peter Bissett, Washington, D. C., for his view of the Water Garden at "Twin Oaks," that city, a beautiful picture, and an excellent piece of photographic work. Mr. Bissett has been fortunate enough to secure an almost perfect lighting of his well-chosen subject, and this, together with the wonderful amount of detail (due no doubt to a good lens) and careful attention to development, printing, etc., has given him a picture to be proud of. The plate used was a Seed 26x, stop F 28, and the exposure three seconds on a cloudy day in September.

A prize has been awarded to Rudolph Windt for a view in Forest Park. We hope to reproduce these pictures on an early date.

The Wages of Florists.

That was a frank admission reported as having been made by the employing florists of Denver, Col., to the effect that the wages paid their help were lower than those paid in other lines of industry, where less skill and reliability were necessary to turn out the finished product. To the wage-earner this must appear a somewhat anomalous condition, yet the explanation of it given by the Denver florists, namely, the low scale of prices received by them for plants and cut flowers, seems not an unreasonable one, though, of course, the help as individuals contribute in no way to the existence of such a condition. It would appear evident, too, that a bettered state, so far as the help is concerned, would result from the establishment of more uniform prices among employers. That this uniformity exists in other lines of trade is also to be inferred from the statement that in these higher wages are paid for less skilled workmen; or, perhaps, employers in other businesses are content with a smaller share of the profits accruing therefrom than are the florists from theirs. If the former deduction is correct, is it just for employing florists, through lack of harmony among themselves in the matter of selling prices, to hold down the wage level of their employees to a standard below what it actually should be?

"The laborer is worthy of his hire" at all times, and that hire should be commensurate with his actual value to those employing him, and not be governed by conditions for which he himself is totally unaccountable. The lack of good help in the flower trade is in greater or less measure traceable to the wage scale, admittedly low, prevailing, and to provide a remedy for the one will naturally lead to the betterment of the other.

The American Rose Society.

The American Rose Society's Executive Committee held a protracted session in Hotel Westminster on Friday, October 5, for the purpose of revising the schedule in connection with the forthcoming Second Annual Exhibition of the Society to be held in March next. The schedule is now in the printer's hands, and will be ready for distribution in about a week or ten days. Copies may be had on application to the Secretary, Leonard Barron, 136 Liberty street, New York.

The classes for cut blooms were revised and enlarged. The principal alteration in the schedule, however, will be found in the classes for pot plants; these have all been thrown into the open classes.

A gold challenge medal with bar will be offered for the first time for the best exhibit of cut blooms of novelties introduced during the four years preceding and including the date of the exhibition. A grand challenge cup will be offered to private gardeners, but the particulars governing the competition for this have not yet been decided upon.

A large number of classes have been instituted for single blooms open to private gardeners and amateurs only, which should insure a good display.

The following scale of points was adopted:

Points.	Competitive Classes.	Novelties for Certificates, Etc.
Size	15	10
Color	20	20
Stem	20	15
Form	15	15
Substance	15	10
Foliage	15	15
Fragrance	For novelties only.	5
Distinctiveness		10
Total	100	100

New York Florists' Club.

The regular monthly meeting of the club was held on Monday evening, October 8, in Elks' Hall, corner 27th Street and Broadway. President O'Mara, in opening the proceedings, mentioned that those members who had not yet received a copy of the Souvenir Book, would do so within the next few days, as Treasurer Weathered had the books all prepared for mailing.

A Gratifying Report.

A report from the Ways and Means Committee was read by W. A. Manda, the secretary of this committee, chairman John N. May being absent through sickness. The reading of the report was received with enthusiasm. It showed that after all collections had been made, a substantial balance would remain, and that it would not be necessary to call for the offered contributions to the guarantee fund.

A Liberal Act.

President O'Mara then referred to the fact that the gardeners, who helped to make the horticultural exhibition such a marked success, had, in most cases, to meet the charges of transportation of their plants to the show out of their own pockets, and stated that, as there was a balance on hand, or would be when all moneys had been collected, it would be well to defray such transportation charges from this fund. A motion to that effect, proposed by Mr. Withers, was carried. The total charges amount to $300.

The Press Committee's Work.

C. W. Ward presented clippings culled from various newspapers, as a report from the Press Committee. The large number of these clippings showed that the daily press had been duly supplied with information regarding the Convention, and that the papers had made free use of such information. It was ordered that the clippings be placed in a scrapbook and kept on file. Mr. Ward consented to have the matter put in such form.

This Money Should be Paid.

The president then called attention to the amount yet due the club by the renters of space, etc., in connection with the Convention. This, he said, was not a debt for merchandise received, but took the form rather of a debt of honor, and must be looked upon accordingly, and not allowed to become old. On motion of Mr. Morris, a special meeting of the club will be held Monday evening the 22nd inst., to provide for the collection of these outstanding amounts.

Additions to the Ranks.

The following new members were elected; Henri Beaulieu, Woodhaven, N. Y.; E. T. Buckingham, Brooklyn, N. Y.; T. H. Keefe, Madison, N. J.; William G. Kirkland, Flushing, N. Y.; John Nash, New York; Hervie C. Harris, Long Island City; W. C. Mansfield, New York; Edward Walz, Bay Ridge; Edward Smythe, Brooklyn, and J. C. Gowing, Queens, N. Y. Three names were placed in nomination for membership, S. Batchelor, J. Lappey and A. Amberth.

A Happy Thought.

A. S. Burns spoke of the recent departure of William Plumb for England, saying that he understood Mr. Plumb intended making his future home in that country, and, as this gentleman had always been a faithful worker in the club, and, moreover, was an ex-president, some fitting testimonial of the club's appreciation of Mr. Plumb's valuable services should be sent to him in England. This met with hearty approval and the president appointed the following committee to discharge that duty, viz: A. S. Burns, John Young, W. J. Stewart, Charles B. Weathered and J. H. Troy.

An Annual Exhibition.

President O'Mara then made a few remarks upon the advisability of holding an annual flower show in this city. W. A. Manda indorsed the president's remarks. He believed the club ought to have such an exhibition, and that it should be held at a regular stated time when the public would come to look for it. Samuel Henshaw said the spacious rooms at the Bronx Park Botanical Garden, had already been offered, free of expense, for the holding of such an exhibition. C. W. Ward moved that a plan and scope committee be appointed to take up the matter; the motion was carried, and the president announced that members to be appointed on this committee would be notified by mail.

An Illustrated Lecture.

Mr. Henshaw then gave his illustrated talk on Puerto Rico. The views thrown on the screen portrayed scenes in Ponce and San Juan, and showed the flora of the surrounding country. A rising vote of thanks was tendered the speaker.

George Fields, of Washington, D. C., was a visitor at the meeting.

The House Committee served refreshments at intervals during the evening; this has become a regular feature and helps to make the meetings interesting.

On the Exhibition Table.

Several exhibits of dahlias were made. Bobbink & Atkins, Rutherford, N. J., had quite an elaborate display, in which were many fine varieties of the pompoa and cactus types. This exhibit was awarded a cultural recommendation. A. L. Miller, Brooklyn, displayed two bunches of dahlia Camelliæflora, which were highly commended. H. Beaulieu, Woodhaven, showed a bunch of seedling dahlias, also specimens of Japanese pears, which the committee pronounced an interesting exhibit.

Bowlers' Business Meeting.

After adjournment the members of the bowling section met and elected the following officers for the ensuing year: President, J. Thielmann; vice-president, W. Marshall; treasurer, A. S. Burns; secretary, T. J. Lang; captain, F. H. Traendly. A vote of thanks was tendered Theo. Roehrs for his efficient services rendered during the tournament. Treasurer A. S. Burns in his report, showed a substantial balance on the right side of the ledger. F. H. Traendly and A. S. Burns were appointed a committee to find suitable alleys, those hitherto used being no longer available.

President Wood's Political Aspirations.

President Edmund M. Wood, S. A. F. O. H., is a candidate for nomination on the Democratic ticket at Natick, Mass., as representative to the Massachusetts Legislature. The Natick Review says: "The Democrats of Natick have an opportunity to put forward a man who in solid capacity is the peer of any man who is likely to be elected to the next Legislature. They should see to it that he receives a unanimous nomination. If this is done his election is almost certain to follow."

BOOKS RECEIVED.

HEDGES, WINDBREAKS, SHELTERS AND LIVE FENCES—By E. P. Powell. Illustrated, 12 mo., pp. 140, cloth. Orange Judd Co., New York. Price 50 cents. This is a compact, practical handbook on the management of hedge plants and hedges. It gives accurate directions concerning how to plant and how to treat them; and especially concerning windbreaks and shelters. It includes the whole art of making a delightful home, especially giving directions for nooks and balconies for bird culture and for human comfort; and for those retreats longed for by the women of the household. The illustrations include numerous ground plans for laying out suburban lots and country homesteads.

A Florist Strikes Gold.

While excavating a pit in the vicinity of his greenhouses, on October 10, A. E. Hunt, a florist, of North Evanston, is reported to have discovered a small "pocket" of gold quartz, about six feet below the surface.

NEW BEDFORD, MASS.—E. S. Haskell, florist, has assigned to Amos Wadley in the interest of his creditors. His assets are about $1,200, and his liabilities about $5,000.

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(200) **Plant for Name.** M. D. & Son. The name of the plant is Mesembryanthemum crystallinum, popularly known as ice plant.

(201) **Peat for Orchid Culture.**—The kind of peat used for orchids is that which is full of root fibres. Dealers in orchids make a specialty of handling this soil for the convenience of those who are not in a locality where it can be obtained. The trunks of old ferns gathered from the woods and chopped up into pieces will answer the same purpose as the peat.

(202) **Rust on Carnations, G. S.**—The carnation leaves are badly infested with rust. To eradicate the same, pick off every affected leaf; then dust the plants with dry, air-slacked lime; let this stay on five or six days, then clean it off with the hose pipe or syringe, and apply another dusting of the lime. Keep the atmosphere of the house as dry as possible. Repeat the lime treatment, and the plants will eventually outgrow the trouble.

(203) **Butted Glass.**—Will butted glass work as well on a roof, even span, as lapped glass? What is used with butted glass to prevent leakage? Are zinc joints a success?—H.

—Butted glass is used by some large growers, and they consider it superior to the lapping method. There is no doubt that if the butted glass is laid properly, it works as well as the other system. Have the glass cut true, and zinc joints are unnecessary. When a row of glass is laid, push the panes up from the bottom as tight as possible, then drive a nail close to the edge of the bottom light that will hold them tight in their places.

(204) **Ventilating a Span-roofed House.**—Give us the most convenient way of ventilating a span-roofed house, 100 by 22 feet. We thought of having small sash extend along the top on both sides, 3 feet deep, but we fear the weight will be so great that the plan will be a very inconvenient one.—SUBSCRIBER.

—A better plan would be to have the sash not more than two feet deep, and running the whole length of the house; then connect them with a shaft, so that they can all be raised or lowered at once. What the sash would cost, your local carpenter will tell you better than we can. Apparatuses for lifting sash will be found advertised in the columns of this paper, and a card to any of the advertisers will bring full particulars as to cost, etc.

(205) **Black Fly on Violets.**—The little black fly referred to is the worst enemy that the violet grower has to contend with, and many remedies have been tried to eradicate it. Keeping down the fly by fumigating with tobacco is undoubtedly the best remedy, taken all in all, as there is no risk to the operator when using it. This remedy should have been applied at the first appearance of the fly, and kept up regularly every other day until the plants were perfectly clear of the pest. The reason the tobacco smoke does not now rid your plants of the insects, is because these harbor on the under side of the leaves, and the latter being so close to the soil the smoke does not reach the fly. We would advise a thorough syringing (taking care to reach every part of the plant, if possible) with tobacco extract, properly diluted. Repeat every second day until three or four applications have been afforded, after which fumigate with tobacco every second night for ten nights, when the fumigating will only need to be done one or twice a week.

(206) **Heating.**—I have two houses that I wish to heat with hot water so that I can keep up a temperature of 60 degrees, when the temperature outside is 10 to 20 degrees below zero. My boiler is capable of heating 500 square feet of radiating surface. One house is even span, 25 by 15 feet, with walls 4 feet, and ridge 12 feet high. House No. 2 is 16 by 9 feet, lean-to against a barn, with the ridge 10 feet high. The side wall is 6 feet high, with 4 feet of the side and ends of glass.—J. T.

House No. 1 can be heated by two 2-inch mains and 12 1½-inch returns. If there is a purlin under the center of each of the sash-bars, and these are supported by posts, it will be a good plan to carry the flow pipes upon these. The returns should start directly under the south ends of the flow pipes and run either way, across the end to the corners of the house, and then be carried either upon the walls or under the benches to the east end of the house, where they could be joined by a header, and connect with the boiler by means of a 2-inch pipe from each coil. For the lean-to house use a 2-inch flow on the north wall two feet below the ridge, and eight 1½-inch returns along the east and south sides. The heat from elevated flow pipes melts the snow and frost on the glass, and thus favors the entrance of the rays of the sun, thus securing light and heat, and also checks cold drafts of air down upon the plants. The principal benefit from overhead flow pipes is from the more rapid circulation secured, as the heat radiated from the returns when the mains are overhead, is as great as from both flows and returns, when they are all under the benches. For houses 75 to 100 feet long, 2-inch pipe is generally preferable to smaller sizes; but for houses less than 50 feet in length 1¼-inch pipe has many advantages.—L. R. T.

(207) **Carnations.**—I send you a few diseased carnation plants. Please inform me, through the Question Box, what the disease is, and how to treat it; and if cuttings taken from affected plants will also be diseased. Or is it possible for the plants to grow out of the trouble through the Summer? The soil in which they were planted is very loose with some horse manure added. The plants from which these cuttings were taken were also diseased last Fall when planted in the house, but afterward bloomed freely, showing no signs of disease. The disease also does not show when the plants are in the open ground, but as soon as they are placed in the greenhouses in Fall it spreads rapidly, also to plants that have not been affected.

—The specimens sent, although received in a rather dried-up condition, show a pretty bad case of what is commonly known as twitter. We have noticed this more or less every year at the time the plants are housed. It can easily be distinguished by the ends of the shoots having a twisted and distorted appearance. This is sometimes caused by a check in growth while the plants are in the field. We do nothing for it, as the plants soon overcome it, and seem to be none the worse for it.



Carnation Louise Zeller, Originated 1872, not now in cultivation.

Twitter, or a trouble very similar to it, can also be brought about by insects in the ends of the shoots and in the buds. A close examination in a case of this kind will generally reveal the presence of thrips. The only practical remedy is to cut off all shoots and buds and burn them. These little pests keep as far away as possible from the air and light in doing their work.

There is also some trace of spot on the leaves, though not in large quantities. This disease can be distinguished by the round circular spots which gradually eat their way entirely through the leaf, destroying the tissues. If left unchecked and favorable conditions surround the plants for its growth, viz., a moist, humid atmosphere, whose destructive power is largely increased by the addition of heat, with an insufficient supply of ventilation, it would take but a short time to kill a batch of plants. In the center of these small spots are openings from which the spores are discharged, thus spreading the disease in all directions.

The only practical way in which to check or eradicate this trouble is to go over the plants and carefully pick off every leaf showing traces of it. Several pickings will be necessary in mild cases, and in severe cases one may as well strip the plants of all the leaves at once. This will be a severe setback to the plants, but if they are valuable it is worth the while; otherwise it would be better policy to burn up the diseased plants and procure others.

The specimens sent were full of dried leaves, which would indicate that the plants had not been thoroughly cleaned when housed. This is very important. Not only then should they be thoroughly cleaned of all bad leaves, etc., but after they have become established, and before the supports are put on they should be again thoroughly gone over. Constant vigilance is necessary to keep plants clean and healthy in places where they are grown year after year.

I always prefer a medium soil, neither very light nor very heavy, and prefer cow manure to horse manure, although we have used the latter with good results.

I would have no hesitation in propagating from plants which had had twitter and had outgrown it, or from plants which had been affected with spot and had been cleaned of it. H. WEBER.

BRIEFS FOR BUSY FLORISTS.

CHRYSANTHEMUMS.—Do not apply any liquid manure after the flowers begin to show color; neither must any fumigating with tobacco be done from now on, or the blooms will be injured. If the fly is at all troublesome, spread fresh tobacco stems on the surface of the benches, or between the pots, as the case may be.

CARNATIONS.—The plants are mostly established by this time, and if not yet tied up, this work should be done now. Use either wire hoops, or wire and string, criss-crossed. Either of these is much better than the wooden-stake method, and more economical, as when once applied, the stakes stay for the rest of the season. Do not attempt to feed the plants with liquid manure yet; nor try to rush them along by using artificial fertilizers, or the flowers produced will have a tendency to go prematurely to sleep. Have the houses dry every day before sunset, and leave on some ventilation both day and night.

SMILAX.—As firing becomes regular see that the smilax is syringed accordingly, or an attack from red-spider will soon result, and the leaves will turn yellow.

BOSTON FERN.—If large specimens of these ferns are wanted for the holidays, and old plants are at all scarce, put smaller plants, three or four together, in a large pan, choosing a taller one for the center. Put up in this way they make good substitutes for specimen-grown plants.

BEGONIA GLOIRE DE LORRAINE.—If one would have this plant give satisfaction when it reaches the lady's parlor, grow it moderately cool, and keep it on the dry side. If forced too hard, and kept in a moist atmosphere, its value as a house plant is impaired; but if grown cool, it is one of the very best plants for the house, and blooms continuously.

Flower Business Beats Politics.

The greenhouses of former Town Collector Samuel E. Banks, of Westport, Conn.; are to be made more attractive by ealargement, the work to that end being now in progress. Mr. Banks, says the Bridgeport (Conn.) Standard, finds more can be made staying at home working at a pretty good floral business than is possible under any circumstances, depending on a political reward.

A Carnation of 1872.

Our illustation represents a plant of carnation, Louise Zeller, and is reproduced from an engraving furnished us by the originator, the veteran Charles Zeller, of Flatbush, N. Y. The variety was a cross between Mont Blanc and Madame De Graw, originated in 1872, and was disseminated in 1874, along with a collection of other seedlings.

Mr. Zeller informs us that he had a bed of this carnation 100 feet long by 7 feet wide, in which the plants grew so strong that cedar poles were used with which to stake them. The variety was a splendid bloomer, though the flowers, as will be seen, were rather small. The picture is interesting, inasmuch as it demonstrates that there were "giants in those days" also.

Crotons.

Though these have not proved an unqualified success as bedding plants, nor are they par-excellence as plants for the drawing-room, nevertheless they are indispensable as a decorative plant, possessing as they do variety in form and coloring unapproached by any other family of foliage plants.

Their culture, taken as a whole, is comparatively easy, given a suitable house where plenty of heat and moisture can be supplied. The old system of propagating by means of mossing is very little practiced at the present time, but it is still the most practicable where extra fine small plants (what might be called single stem specimens) are wanted. Varieties, with long drooping foliage and naturally short jointed, are best for this purpose. It is foolish to attempt to root extra large shoots, as in so doing the bottom leaves are apt to drop, and the specimen is spoiled. Shoots about eight inches in length are quite large enough. Select shoots of a nice free growth, with the wood not too hard, remove a few of the leaves at the point where it is intended to root them; cut the shoot fully half through, drawing the knife in an upward direction; run a strand of raffia through the incision to keep it open, then wrap a good ball of sphagnum moss firmly around. The moss should never be allowed to become dry; and the plant is best kept in a rather close atmosphere, and shaded from strong sunlight.

No attempt at potting up should be made until the roots begin to show plentifully through the moss; then cut the stem just under the moss, and pot, moss and all into that size of pot that will just allow of an easy fit, using a light sandy compost. Keep in same atmosphere until well started, then remove to lighter and more airy quarters. Plants rooted by this system, if carefully handled, receive little or no check, therefore retain their leaves right down to the pot, besides commencing to make leaves of corresponding size to that on the original cutting; whereas in plants from ordinary cuttings, the first course of new leaves, on account of the unavoidable check through entire separation, are smaller than those on the original cutting.

Of course, where the plants are intended to be grown in bush form, they should be pinched to induce branching just after they have got under way in their new quarters, and the roots working freely; therefore, the smaller leaves on the new growth would be no detriment, so that the ordinary cutting, being the quickest means of increase, is for general purposes the most practicable. Cuttings taken now, of matured young growths, with the foliage not too large, and about four inches in length, will root quite freely in the ordinary cutting bench, providing this is filled with clean, sharp sand and gentle bottom heat supplied. If well shaded, and kept comparatively close the plants ought, at this season, to retain all their foliage, which at an earlier date they would be more apt to lose through unavoidable flagging. In from two to three weeks they should be ready for potting into three-inch pots, an open porous compost being used. That composed of equal parts of sod soil, leafmould and sand, and finely sifted, will suit well. The plants should be kept somewhat close for a few days until they begin to root freely, when more or less air should be admitted to the house on favorable occasions.

During the Winter months, to keep crotons growing freely a night temperature of 65 degrees should be maintained, allowing a rise of from 15 to 20 degrees by sunheat. Though crotons like plenty of atmospheric moisture, it is well to guard against overdoing things in this respect, during the dull short days, or mildew may attack the young plants; and, again, the other extreme, that of having the atmosphere too dry and burning, is apt to cause the dropping of the old leaves. In short, the dull Winter days is the only time at which they require careful handling.

Though not gross feeders, a little well-rotted barnyard manure added to the compost for subsequent pottings, will be advantageous. Being rather susceptible to over-potting, only small shifts had better be given. For Summer quarters I prefer a house where the plants can be kept near the glass, which I shade slightly. Some cultivators grow crotons in the full sunlight, contending that they get brighter coloring. This is so far true, but I maintain that a better harmony of colors is obtained with slight shading, together with a more luxuriant growth. The growth in the fully exposed plants is apt to be stocky, the leaves smaller, and the colors less defined, especially in the yellow shades, where the green particles also take on a yellowish tint. If shading is overdone, lack of color would, of course, result. A successful compromise might be arrived at between the two systems, by allowing the plants to make their growth under slight shade, affording full exposure after the middle of September when the sun's rays are less burning, but still strong enough to make up any deficiency in coloring.

From a commercial point of view, plants in six-inch pots are the most serviceable, the growing of large specimens being usually left to the private gardener; but I am sorry to say we too seldom see well-grown large specimens, even in private establishments.

Varieties might be enumerated up to, and even exceeding, the century mark, all claiming some special distinction and all worthy of a place in a collection. From this fact it will be seen that it is a hard matter to make a selection, so I will only name a few of the more common and easiest grown varieties of long-standing and proven merit. First then for single stem specimens for table decoration and kindred purposes. As I said before those with long drooping foliage are best, and I may add most graceful. Here might be included such varieties as angustifolia, majesticum, tortile and rosea pictum. Other varieties, though not drooping in habit, which make handsome plants grown in this form, also being good for any purpose, are: Disraeli, Lady Zetland, Daybreak, and Imperator. In a list of good varieties for general use might be included Lord Derby, Queen Victoria, variegatum, Hookerianum, harmonia, interruptum, splendens, Morti and aurea-punctatum. The list might be continued indefinitely, but where only a few are wanted those enumerated may be relied upon, as embracing a good assortment of both color and form.

SCOTIA.

Hardy Perennials in Fall.

A large number of perennials are in full bloom this first week of October, more so than usually, owing to very favorable weather conditions, perhaps. Phlox suffruticosa had a splendid chance for vigorous growth, and the trusses are as large and perfect as on the first crop of flowers. Gaillardias never looked so gorgeous at this date in my recollection. Coreopsis grandiflora is a mass of bloom. Incarvillea variabilis and I. Olgæ make a splendid show. The vernonias are at their best just now, and the hardy asters and baltonias are in perfection. A. nova anglicæ roseus is one of the most noble among them, and the short globular, dense bushes of Mad. Soymier are decidedly most floriferous and lasting. The Japanese anemones have been in flower for a month now, still they hold out, and hundreds of buds give promise for the future if frost does not destroy them before they get a chance.

The beautiful Plumbago Larpentæ, (which the Editor insists is a Summer bloomer), is not past its best yet; it has been flowering scantily since about September 1; but it is only a few days since the patches were fairly well covered with lovely blue flowers, and many are to come yet. Why we should call this a Summer bloomer, I fail to see. Achillea tomentosa has quite a number of trusses scattered over the patch, while A. millefolia rubra holds its own, and will be shown much later in the season. The same may be said of the armerias, Cedronella cana and Centranthus ruber in variety. Chelone Lyoni continues to flower freely. Coronilla varia only changes to a lighter color as the season advances. Dianthus superbus, with its long-fringed petals, has not ceased blooming since August. Eupatorium cœlestinum blooms very freely on a compact plant, also the showy geranium Wallichianum, and the yellow Linum campanulatum. Lobelia syphilitica with the hybrid cardinalis, Œnothera serrulata, Corydalis lutea, Platycodon autumnalis and P. japonicus, Saponaria caucasica, sidalceas, Silene Schafta and quite a number of other plants are still in good condition. The double Tunica saxifraga deserves mention; it is really a fine, hardy plant. The flowers are much larger than in the type, very double, more lasting and freely produced all Summer and Fall. It is a great attraction in our borders at present.

DOUGLASS HILL.

Small Ferns for Fern Dishes.

Read before the Chicago Florists' Club by Andrew McAdams.

Judging from the manner in which the Fall trade is opening, the popularity of small ferns in fern dishes, for table decoration, is to remain. Whether these subjects are as profitable to the florists as cut flowers for a similar purpose, I question. If our customers would allow us to use the more delicate and graceful ferns these plants would be profitable, but purchasers are not satisfied unless we guarantee their ferneries to last from six months to a year. Plant buyers, too, have a habit of putting their ferneries in a darkened dining room, and but few ferns will stand this treatment.

The pteris family is the most useful for the purpose in question. It is a large and varied class, and the plants can be kept in the necessary dwarf condition longer than any others. In addition to the pteris there are only four large fronded ferns which will stand the dry atmosphere of the modern home. First, Asplenium falcatum; second, Lastrea opaca; third, Nephrodium hirtipes, and, fourth, Polypodium carcaranum. These provide a variety necessary to a well-filled dish.

It is well to have some light colored foliage, and for this purpose there are four variegated varieties of pteris to select from. The best, P. cristata variegata, is always scarce. P. Victoria and P. Mayii are rather dwarf in habit. Pteris argyræa is too sensitive to a dry atmosphere. One which I find well adapted to the purpose in view is P. biaurita argenten, the foliage of which is not so light in color as that of P. argyræa, but it is harder and the plant is more compact in growth. We use Cocos Weddelliana for the centers—when we can get the price. The following also can be used for centers: Small kentias, Dracæna Sanderiana, Pandanus Veitchii; also small plants of Nephrolepis cordata compacta, and N. philippinense.

Both varieties of asparagus are good for this work; in fact, too good, as they last too long.

The following are the varieties of pteris which we use the most; there are many more good ones with which I am not familiar; Pteris cretica, P. Wimsetti; P.c. magnifica; P. serrulata cristata; P. s. lacerata; P. s. nana; P. Smithiana, an improvement on P. tremula; P. Ouvrardii, and P. palmata.

I would also mention Adiantum Capillus Veneris.



Interior View of Wholesale Store of E. C. Amling, Chicago.

E. C. Amling's Wholesale Cut Flower Store.

The photograph from which our illustration is made, was taken last month. This large store was originally fitted up for a fancy restaurant, with marble sidewalls, and patent floor, hence is easily kept sweet and clean. The place is very roomy; has fine office, packing room, large, modern cooler, and easy, wide stone steps leading from Randolph Street, making it one of the best for a wholesale cut flower stand in the city. Mr. Amling handles, among others, a fine class of flowers grown in Indiana.

ESS.

Boston.

The Market.

Business the past week has shown a slight improvement. The weather has been very disagreeable and entirely unfavorable to trade. Roses continue very plentiful, but the demand for them does not increase much, neither does their quality improve as rapidly as is generally expected at this season. American Beauty are beginning to accumulate on the wholesalers' hands. Prices are held up, however, ranging from $12.50 to $20 and $25 per 100 for fair to fine grades, with smaller sizes at from $4 up to the former figure. Bride and Bridesmaid are coming along fast, but there is not demand enough to use them all. Kaiserin and Carnot are still to be had of very good quality, though the supply of the latter is somewhat limited. Liberty, too, are very plentiful, but are yet small, and prices are correspondingly low, ranging from $1 to $3 per 100, a few making $4.

The carnation market is still heavily supplied by outdoor stock, which is becoming druggy, and prices have fallen a little in consequence.

Chrysanthemums are more numerous, and new varieties are appearing almost daily. Among the whites now on the market are Bergmann and Lady Fitzwygram; yellows, Marion Henderson and yellow Fitzwygram, the latter of poor color; pink, Montmort and Glory of the Pacific. Prices on chrysanthemums vary quite a little; the smaller Fitzwygram fetch $1 per dozen; other sorts $1.50 and $2 per dozen, while a few of the growers have obtained $2.50 and $3 per dozen for the first few dozens of a kind.

Violets are improving in quality quite a little, and are becoming more plentiful, though doubles are still scarce. Singles are plentiful enough, and move only fairly well at 50c per 100.

Thomas Roland, of Nahant, had the first pink chrysanthemums of the season in on Thursday, October 4. They were of the Montmort variety. He also brought in his first Glory of the Pacific Wednesday, October 11. Frank T. White is now cutting some very good Bergmann and Marion Henderson chrysanthemums.

E. Allen Peirce started his Fall campaign at the market, Wednesday morning, with chrysanthemums and pinks.

Massachusetts Horticultural Society.

At the annual election of officers of the society, held on Saturday last, quite a surprise was sprung in the selection of president. The election brought out a very slim vote, and it was a foregone conclusion among his friends that President Francis H. Appleton would be re-elected; but at the eleventh hour an opposition was organized, favoring O. B. Hadwen, of Worcester, for the place, and the opposition ticket won. Mr. Appleton has been president of the society for five years; to him was due much of the credit for the purchase of the land, the site of the society's new building now in the course of erection, and it was the hope of his friends that he might be at the society's head when it removed to its new quarters. Mr. Appleton is secretary of the Building Committee and will probably continue in that capacity. The vice-presidents and various committees were re-elected, almost without change.

There was quite an interesting display at the hall on Saturday, consisting largely of dahlias and orchids. Of the former shown, Lothrop & Higgins made a large display of show, cactus and pompon varieties. C. S. Pratt exhibited a fine lot of cactus dahlias. W. C. Winter's collection included a great many single kinds. Another display, noticeable for the fine condition in which the flowers were received, considering the distance traveled, was that of G. H. Hazard, Charlottetown, P. E. I.

The orchids on exhibition were of a very high standard of quality and in great variety. E. O. Orpet, gardener to Mr. E. V. R. Thayer, received a gold medal for five new seedling orchids, namely, Cattleya Thayeriana (C. intermedia × C. Schroderæ alba); Lælia nigrascens (L. pumila × L. tenebrosa); Lælio-cattleya Bletchleyense (Lælia tenebrosa × Cattleya gigas var. Sanderiana); Lælia juvenalis var. superba, (L. pumila var. præstans × L. Perrinii); and Lælio-cattleya, C. G. Roebling (C. Gaskelliana × Lælia purpurata aurorea). Four of these were grown from seed sown in 1896, and the other from seed sown in 1897. All were shown in flower for the first time. Oakes Ames showed four nice orchids, hybrid Cypripedium media (C. hirsutissimum x C. Spicerianum), hybrid Selenipedium Ainsworthi (S. Roylii x S. Sedenii), Cypripedium Charlesworthii, and an albino plant of a hybrid between C. Lathamianum x C. superbiens).

H. A. Wheeler also staged four very good orchids, Odontoglossum pescatoræ, Peristeria elata, Cattleya Dowiana, and Lælia Dayana.

At the business meeting four new immediate members were elected, and the following were elected to honorary membership: Sir Trevor Lawrence, president of the Royal Horticultural Society, London, and Dr. H. S. Pritchett, president of the Massachusetts Institute of Technology, of this city. President H. H. Goodell of the Massachusetts Agricultural College, Amherst; and Dr. B. T. Galloway, horticulturist and superintendent of the gardens and grounds of the Department of Agriculture, Washington, D. C., were elected corresponding members.

James H. Delay, of Beacon Street, has opened another retail store at Washington Street, near the Columbia Theater.

F. J. N.

Cleveland.

Trade Notes.

This is "Home Week" in Cleveland—a week of carnival promoted by the Business Men's League; a time for all ex-residents of the city to visit the metropolis of the state and view the progress it has made within the past few decades; and the city is at its best, with thousands of flags and banners, myriads of electric lights, and gaily decorated and well lighted stores. The down-town district is in gorgeous attire. Not least among the decorations is the work of the florist; festooning and floral work may be seen on every hand. The occasion has afforded a large amount of work in this line, and for a week past our decorators have been unusually busy. Many of the large retail and department stores have spared no expense in making their establishments attractive. Flowers, autumn leaves, laurel and other evergreens form the principal part of the material used. Store trade shows a vast improvement; orders for funeral work come in freely and counter trade is brisk. With all business is better than it has been at any previous writing since Fall trade opened. Flowers, though limited in variety, continue to improve in quality, and are offered in larger quantities. This is especially true of carnations; the blooms are larger and of better color than they have been. Roses also are of better size and color. Cosmos is offered in large quantities. Prices, however, on all flower stock do not show any change from those formerly quoted, and the rates below obtain at this writing: Carnations, 75c. to $1 per 100; roses, from $2 to $5, according to grade. Asters are about out of the market. Gladiolus, as well, are nearly done. Chrysanthemums are offered in such limited quantities that there is no established price on them.

Retail prices are as follows: Tea roses $1 and $1.50 per dozen; carnations 25c. and 35c. per dozen; chrysanthemums, $4 per dozen; violets, $2 per 100.

An Extensive Funeral Decoration.

The bodies of the five members of Captain James Corrigan's family—wife, three daughters and grandchild—all of whom perished in the wreck of the yacht Idler a few miles above Cleveland harbor, on July 7, last, were buried at Lake View Cemetery, on Tuesday afternoon of this week. A niece of Captain Corrigan, who died early last month, was buried at the same time. The decoration at the cemetery was an extensive one, and was handled by Smith & Fetters. Arbor Vitæ and cosmos were used largely. The floral designs were magnificent, and numbered over 40. These were furnished by many of the local designers. The burial was one of the saddest affairs that ever occurred here. The only two remaining members of the family are Mr. Corrigan and a son 22 years old.

Change in Business.

The business which for many years has been operated by J. M. Gasser, was recently succeeded to by J. M. Gasser Co., the partners consisting of J. M. Gasser, L. F. Darnell, and Isaac Kennedy. Mr. Gasser is one of Cleveland's prominent florists; Mr. Darnell has been manager of Mr. Gasser's retail store for several years. Mr. Kennedy is a prominent grower from the East, and several months ago took charge of Mr. Gasser's greenhouses on Lake Avenue.

This week cards were issued announcing the opening by the new company of a new flower store at 232 and 234 Euclid Avenue (opposite the Stillman Hotel) on Thursday and Friday, October 11 and 12.

This is a spacious double store, 30 feet wide and 70 feet deep. Within the past few weeks extensive alterations have been made, new fixtures added, and the store is to-day complete in every detail, and well fitted for a wholesale and retail floral business. A conservatory 30 x 40 feet, 18 feet high, has been built at the rear of the store. The entire front of the store room (30 x 40 feet) is given up to the retail department; the back part (15 x 30 feet) of the main room, on one side to wholesale flowers, and on the other side a work room, 15 x 30 feet. The retail store is finished in ivory, the fixtures in ivory, the side walls are covered with burlapin Nile green; the ceiling is done in cream yellow, with border of darker yellow. The cove is in tints of Nile green and yellow. The floor is polished oak, inlaid. Two ice boxes, 7 x 8 feet, are conveniently arranged, and will accommodate large stocks of cut flowers. The entire place is lighted with electricity, over 60 incandescent lamps being used. Hot water, under pressure (Scollay system) is the method of heating, both store and greenhouse.

This store will be under the direct charge of Mr. Darnell; the old stand at 99½ Euclid Avenue will not be discontinued at this time; William Kruzen and H. J. Bradbury will be in charge of the lower store.

Notes.

J. Q. A. Turnbull, representing Samuel S. Pennock, was in town the early part of the week.

Charles Erhardt, manager of the floral department of The Hoyt Kent Selton Co., spent the early part of the week at Grand Rapids, Mich.

Frederick Blecker returned from New York City recently, and is now in the employ of C. M. Wagner, the Erie Street florist. Mr. Blecker was for nine years with J. M. Gasser.

The many friends of O. A. C. Oehmler were pained to learn of the death of his little son, as announced in the trade papers by news item from Mount Vernon, N. Y., last week.

G. A. T.

Chicago.

State of Trade.

A hot spell of weather for four days last week, the thermometer reaching 86 degrees, something unusual in October in this locality—brought forward roses too fast, lessening the supply of high-grade stock. This temperature was also against carnations in the houses, but again increased the output of out-door flowers, some of the big growers cutting five or six thousand very good blooms a day for several days last week. Good standard carnations range from $1 to $1.50; a few fancies at $2; common sorts 50c. to 75c.

In roses Beauty, if extra, bring $3 per dozen, but the inferior and shorter grades are harder to work off. In teas few reach the $5. The varieties of chrysanthemums coming in are still confined to white and yellow Glory of the Pacific, with a small batch of Montmort. Amling received 500 of the former from Indiana, but they were ordered in advance. Hunt also is receiving shipments, but they are hardly equal to the demand at $1.50 to $2 per dozen.

Violets are slow sellers; fair, double flowers are now in, but are hard to move. Some high-grade gladiolus are yet in the market. At Western Springs several excellent varieties have been flowering lately, also a fine lot of dahlias. Asters are nearing the end; enormous quantities have been sold in this market the present year. Shipping trade is quite a feature. Nick Wietor says he shipped more flowers last week than in any two weeks previously, with orders ahead, away beyond other years. McKellar & Winterson are doing a big business in white doves this Fall, as well as in other lines of florists' supplies.

Club Meeting.

The meeting of the Chicago Florists' Club on Friday, October 5, was well attended. The following new members were elected: H. M. Bruns, Lewis Wittbold, Otto Wittbold, John Hoft, Park Ridge and August Juergens. A partial list of subscriptions to the Galveston Florists' Relief Fund, amounting to $217, was read. When completed a full list will be published. On motion of W. N. Rudd, a committee of three, consisting of P. J. Hauswirth, W. J. Smyth and C. A. Samuelson, was appointed to confer with the Executive Committee of the Horticultural Society in an effort to make arrangements whereby the proceeds from the usual sale of flowers, during the Fall show, may be turned over to the fund. It is thought that growers will liberally contribute stock for that purpose. W. N. Rudd was appointed a committee of one, to work up interest in a florists' banquet, worthy of the name, to be held at the time of the show.

Andrew McAdams read a paper on "Small Ferns Suitable for Filling Pans, etc," which will be found in another column. This paper was well received and discussed. August Juergens gave a talk on the forcing of bulbs, furnishing lists of those suitable for cut flowers and pot culture.

These short papers and talks by specialists are taking features of the meetings, being preferred to elaborate essays, and affording an opportunity to bring out in the subsequent discussions the ideas of others present.

At the next meeting of the Club, October 19, occurs the election of officers; a large attendance is looked for.

Horticultural Society Meeting.

At the regular quarterly meeting, held October 9, six new members were elected, including Walter Retzer, Oscar J. Freedman and Walter Kreitling, florists. The treasurer reported $1,100 in the treasury, with dues amounting to $200 to be collected. The matter of Robert Kift delivering his lecture here was referred to the Executive Committee, as also was the subject relative to the establishment of a booth for the sale of flowers at the Fall show for the benefit of the Galveston florists.

It is the sense of the club and contributors generally, that whatever moneys are raised should be applied exclusively toward starting the sufferers in business again.

Round About.

Charles Saltwitch, of Vaughan's greenhouses, and Miss Elizabeth Smart, who has been employed in Vaughan's store for nine years past, were married on Wednesday.

H. & R. Hilmers have in process of erection a fine store and conservatory on the old Seward Place, 190 147th Street.

Wietor Bros., as stock increases, are sending in two shipments a day to their store, the afternoon shipment reaching there at 2 o'clock.

Peter Hollenback, seedsman, W. Randolph Street, recently experienced a sad loss in the death of his wife.

The chrysanthemums at Mt. Greenwood are reported by Mr. Rudd as being about ten days later this year.

Walter & Thill are sending to Budlong's a superior quality of Triumph and Flora Hill carnations.

Visitors: George W. Huber and wife, on a honeymoon trip from Indiana; C. S. Ford, representing A. Herrmann, New York; Herbert Hall, South Park Floral Co.

Ess.

St. Louis.

Trade Notes.

Business the past week has been only fair. With some florists, however, especially those on the South Side and centrally located, good funeral orders were plentiful. Roses, particularly Bridesmaid, have been very abundant, but they have got down to near normal again. Colored carnations are plentiful; just now there is a great scarcity of white, which are worth $1.50 per 100; others bring 75c. to $1 per 100. Beauty has been in good supply; the best bring about $2.50 per dozen. Cosmos is in, selling for 25c. per 100.

The displays of cut flowers, floral designs, and table decorations at the recent fair were very good, especially in view of the amount of money offered as premiums. The principal prize-winners were William Schray & Sons, C. Young & Sons Co., and Ellison & Tesson.

The nursery firm of H. J. Weber & Sons Co. formed a combination with some neighboring vegetable and grain growers, under the style of Boles, Reeder & Weber, and nearly made a clean sweep of the premiums in the fruit, grain and vegetable departments, taking over 80 premiums. For display of fruits, they took the sweepstake, amounting to $75, being also second in the vegetable sweepstakes, and others.

About Town.

W. H. Walthers, 3900 Chicago Ave., a new man in the business, has just completed two good houses in which he has some extra fine chrysanthemums and mignonette.

William Schray & Sons have a lot of the best grown cyclamen ever seen in this city.

C. W. Scott, of Vaughan's seed store, has been in town over a week. He reports business more than satisfactory, with a heavy trade in Christmas goods.

Richard Frow, of Natural Bridge Road, has as fine a lot of carnations as anybody in town. They are now furnishing a lot of nice flowers.

C. C. S.

Rochester, N. Y.

E. E. Keller, of Pittsburgh, was in town last week visiting his father, J. B. Keller. Mr. Keeler made the trip to Rochester in his automobile.

J. B. Keller's Sons recently sold off 1,000 kentias, six to eight leaves, of their own growing, at a satisfactory price. They find the growing of palms from seed more profitable than importing, when the check which the plants receive in importing is taken into account. They are now building a new house 20 x 100 feet, for azaleas, to make more room for growing palms.

James Vick's Sons had an opening at their new retail store on Stone Street, on October 4-6. The interest of the large display of bulbs was enhanced by additional labels showing where the stock was grown. The store was handsomely decorated with the products of the firm's trial grounds.

Frank Lavigne's houses on Frank Street, are models of neatness and thrift. The cement walks which he has just laid throughout add much to the general effect. Mr. Lavigne has to carry a large assortment of plants for his retail trade. Plants of Asparagus plumosus well set with seed seemed rather unusual. The flowers were hand pollinated.

George P. Filer, a market gardener on the "Ridge Road," in Greece, has two houses, each 20 x 100 feet, formerly used for vegetables, in carnations. A third house of the same size, under construction, has one side planted to violets; the other will be filled with carnations. The good appearance of Mr. Filer's stock gives promise that his successful experience of two years past will be repeated the coming season. He grows mainly Scott, Daybreak, Flora Hill and McGowan, with smaller lots of new varieties on trial. He also has over 25,000 pansy plants in the field for Spring trade.

Charles E. Fry has rented his nearby farm and is now living on Warner Street, near Otis Station. He has removed his greenhouses to land adjoining the Vick & Hill Co.'s grounds at Barnard Crossing. They are in charge of Jacob Foos. He has 10,000 feet of glass in carnations, principally Daybreak, Flora Hill and Red Jacket. Mr. Fry has found carnations a satisfactory crop when he could give them his whole attention. His stock was planted in early and is now throwing some fine flowers. A house 10 x 100 feet, of Marie Louise violets, has stood the late heated term well, and looks clean and thrifty. He is planting out two large beds of pansies for Spring sales, the stray blooms showing a good range of colors.

George Bennett is another successful carnation grower in Greece. His place joins Mr. Fry's on the west. Mr. Bennett has had about 4,000 feet of glass in carnations for several years, and has a reputation for fine stock. He has just erected two fine new houses, 20 x 100 and 30 x 140 feet, large glass, short span to the north. The plants are exceptionally clean and vigorous. Flora Hill, C. A. Dana and Daybreak are grown largely; but there are good sized blocks of some 20 others. Mr. Bennett finds Dana especially satisfactory where the temperature is liable to drop to near the frost line. He is also well pleased with The Marquis and Ethel Crocker. Governor Griggs, he thinks, will supersede Daybreak. It holds its color better in hot weather. Crane is his favorite in scarlet and Maceo in dark red—the latter being especially free flowering. Mr. Bennett is trying to establish a pretty pink sport of Flora Hill, which showed up last year. As a few of the cuttings held to the type, it is likely that the variation will become fixed. The ground color of the petals is like the Dana, but they are delicately and distinctly fringed and flaked with white. The effect is very pleasing. Except in color of flower the plant is identical with Flora Hill.

A hasty glance at the establishment of the Vick & Hill Co. showed them in the midst of Fall digging of herbaceous and nursery stock. A heavy rain on October 7 will forward this work, and has been of great value to the large nursery interests about Rochester. The company's aster fields were a grand sight the last week of September, and many thousands of blooms were shipped to other markets.

The houses of the late Frank S. Payne have been sold to a market gardener. The stock of flowering and bedding plants was disposed of earlier in the season, mainly to the Vick & Hill Co.

G. A., Jr.

Baltimore.

Trade Notes.

The market is unchanged, with, perhaps, an over-supply of outdoor roses. Dahlias continue scarce. Anemone japonica sell well at 50 to 75 cents a single flower.

A Dahlia Show.

The dahlia exhibition at the club rooms was a success, and in spite of bad weather it attracted quite a number of visitors. Vincent & Son, White Marsh, were the largest exhibitors, their display doing full justice to the remarkable diversity of color and form of the up-to-date dahlia collection. To judge from remarks overheard at the show, and experience in the open markets, the public seems to care more for the old type of flower, than the more elegant Juarez or cactus dahlia. But eventually the cactus dahlia (I regret the misnomer) will no doubt win on its merits. This reminds your correspondent of the great popularity of the cactus dahlia in Germany. Nearly every grower there provides a frost shelter for the plants, in the form of a frame, covered at night with canvas or glass, thus prolonging the cutting period for one or even two months, according to season. Henry A. Dreer, Philadelphia, exhibited a very interesting collection of nymphæas. The general public as well as the florists appreciate this firm's efforts in popularizing these fine Summer aquatics. John Cook exhibited his new roses, Baltimore and Mrs. Robert Garrett, both in excellent form.

Among Growers.

The Ruxton Nurseries of William Fraser have seen some very substantial improvements this past Summer. A new house 100 x 18 feet, short-span-to-the south, has been erected. The Beauty roses, the best at this time around here, have made very fine growth. Bridesmaid and Perle, old plants replanted, are doing exceedingly well, especially the latter. Golden Gate is a favorite, but Mr. Fraser is not very sanguine about Maid of Honor. From his old city establishment he has transferred his ficus stock plants. He finds ficus a good paying Summer culture, when roses do not monopolize the attention.

"The Florists' Exchange advertisement has, single handed, sold the whole stock much quicker than I anticipated," says Mr. Fraser; "in fact, there are not a dozen plants left on the place."

Halliday Bros.' place, in charge of Mack Richmond, is in very fine shape. Carnations are the specialty; five large houses, each 150 feet in length, being filled with them. Flora Hill, Scott and Mack Richmond are the three standard varieties for quantities of flowers. The last named is of wonderful productiveness. Last year's crop averaged 35 disbudded flowers per plant. The color is a good deep red, even during the Summer months. The calyx never bursts. All the good new varieties are planted in greater or less number. One large house had been planted on May 20; the growth of the plants is excellent. Indeed, some varieties, such as Bradt, seem to do much better under glass than when planted out during the Summer. As a whole, the experiment has proved very satisfactory. Chrysanthemums are grown in large quantities and look well. The firm will give a fine exhibition of these flowers this Fall.

Some 4,000 lilies and 8,000 Romans have been planted; the Dutch bulbs are still out. A large lot of ficus for the wholesale trade are grown and look fine in open frames outside.

Until a few years ago Halliday Bros. grew very fine roses, and it seems almost a pity that with the excellent success they had, they have discarded that culture for carnations. But the place, large as it is, does not nearly supply their stores, and experience has taught them, that it is more satisfactory to get roses from outside the town than carnations, the latter losing their keeping qualities after even a short journey in a light box.

T. E.

Toronto.

Trade Revives.

There is a very general revival of business, and flowers and plants are beginning to sell well again. During the past two weeks there has been a very considerable quantity of funeral work, and all the stores appear to have had a good share of it. Roses and carnations have been fairly plentiful, but asters and other cheap white stock are nearly used up. Some nice, white and light pink dahlias have been received; and with sprays of smilacina have been found very serviceable. A few fairly good violets are coming in, and really first-class flowers bring a good price, while all offered sell readily. The roses coming in have considerably improved in quality.

The weather has been exceptionally fine; so far we have not had frost enough to touch the coleus, and cannas and geraniums are still in full bloom.

A limited number of chrysanthemums are arriving. Some nice cattleyas are seen. These sell very well this season. There is a considerable supply of the Boston fern around; it is very popular.

T. M.

Montreal.

Trade Notes.

The pleasant weather we are having has kept up an abundant supply of outdoor flowers, consequently the demand for indoor stock is still very limited. The quality of roses is rapidly improving; in Beauty this is especially noticeable. Carnations are fairly plentiful; the quality is moderate only. Chrysanthemums are arriving in limited quantities, and the demand is quite brisk. The quality is about the average, in the early varieties; it will be 10 days before local stocks come in freely.

Plant sales are slow and largely confined to the smaller sizes of ferns. Bulbs of all varieties are now arriving, and are showing a uniform increase in size over former years.

Club Notes.

Monday at the club was chrysanthemum night, and the whole evening was spent arranging the various features of the coming show. Walter Wilshire was appointed superintendent. Alfred C. Wilshire will be again in control of the box office. The judges for the various sections are: Groups and plants—George Copland and Thomas McHugh; cut chrysanthemum blooms—Joseph Bennett and Alfred C. Wilshire; miscellaneous plants—John Eddy and John Stamford; roses and carnations—Fred C. Smith and J. Kirkwood; decorations—James McKenna, Colin Campbell and Walter Wilshire. Judging will be by points. It was decided to abolish the flower table. Our patrons want exhibition blooms for 10c. each, and we find it doesn't pay to supply the same at that rate. The advertising committee will spend a larger percentage of its grant on newspaper advertising than in former years, it being found that this method is the best to reach the club's patrons. A neat card, with a simple announcement of the show dates, is being distributed to the various stores; the florists will enclose these cards in the boxes sent out.

The decorative section is being pushed, and the probability is that the florists will make a much better showing than usual.

Lord Strathcona, our honorary president, being at home at present, a box of choice flowers was ordered sent to him, with a request that he preside at the formal opening of the show on the first evening at 8:30. Should the club be so fortunate as to secure His Lordship's presence on that occasion, the success of the exhibition will be assured.

Joseph Bennett will read a paper next club night, on "My Recent Trip to the West." The coming Winter euchre contests will be inaugurated at the meeting fourth Monday in October; Jim Martell and Walter Whiting will constitute the board of management.

We regret to say that J. S. Murray is not yet sufficiently recovered to resume control of his greenhouses; J. Kirkwood has assumed the management. Mr. Kirkwood's spendid abilities as a grower are so well known here, that his success in his present position is assured. B.

Cincinnati.

Trade News.

Business is satisfactory; stock is getting better, and prices are steadily advancing. Chrysanthemums have made their appearance and sell well, at $15 per hundred. White and yellow Fitzwygram are the varieties. They were grown by E. G. Hill & Co., and have longer stems and better foliage than are usually seen on this variety.

The hot weather last week was very trying on all stock. Roses that this week would sell readily at 4c., we were glad to dispose of at less than half that figure.

Jottings.

The writer has just moved into larger quarters in the same building, 113 East Third Street, where his facilities are much better for handling flowers. The room now is 60 feet long by 30 wide, making it the largest commission house in Cincinnati.

Two new stores have been opened on Fourth Street, those of T. W. Hrdesty & Co. and J. W. Rodgers. Both are nicely fitted up.

Wedding decorations are claiming the attention of several of our florists, and many more such are in sight.

E. G. Gillett.

College Point, L. I.

Aaton Schultheis is making extensive additions to his glass area this season. Three commodious houses of Hitchings' latest improved pattern are almost finished, besides 800 lineal feet of heated frames, built especially for growing heaths, etc. A fine new dwelling house is also nearing completion, and a storage shed, 25 x 50 feet, will be finished before Winter arrives, for the purpose of carrying over the stock of bay trees, of which quite a number of nice specimens are on hand.

Heaths are a specialty here, and the frames are filled with clean, well-grown stock of all the best varieties. The larger sizes of Erica fragrans (E. melanthera) are plunged out-doors, and are a magnificent batch. Some of these are being grown to standard shape and will make an ideal center plant for large baskets. Among the palms, a house of large kentias is in very fine condition, the dark green color of the leaves and the stocky habit of the plants proclaiming them at once to be cool and carefully grown. Another house filled with smaller plants of the same variety of palm is a special feature, and these are all house-grown stock and can be relied upon.

Latania borbonica is grown in very large quantities. One house, 165 feet in length, is filled with this variety only, and they are in excellent condition.

Ardisias and orange plants have their fruit well set; these are all in nice shape, large plants of the former being especially fine. Araucarias, of the three commercial varieties, are grown, and a large batch of medium-sized plants are on hand. Rubbers are in excellent shape and plentiful, as are also Boston ferns, aspidistras, arecas and Asparagus Sprengeri. For cut flowers, roses, chrysanthemums, carnations and lily of the valley are the chief crops cultivated. Mr. Schultheis has devoted an entire house to one of his own seedling carnations; this is a very strong and free-blooming kind, of a deep rose-pink color.

One of the most striking subjects in the establishment is the Peruvian peppers. This is the variety that L. Schmutz, of Flatbush, made such a hit with last year. The plants have made a splendid growth; some of them are as much as two feet across, and are covered almost with their vari-colored fruits. This promises to be a great seller and to have quite a run.

Imported azaleas are arriving and are very satisfactory. Experiments along the line of home-grown azaleas have resulted in a very fine batch of plants, stronger by far than those imported.

Violets of the Imperial and Princesse de Galles varieties are planted in frames, and the present condition of them would indicate that violets can yet be grown on Long Island, if necessary care be given them. The plants there are as thrifty as one would desire to see them anywhere. Hydrangeas are still out in the lot; they are one-year-old stock, and have made big heads, averaging from five to seven leads. Crimson Rambler roses and lilac have made fine stock, but these do not go into the houses for some time yet, and will be heard from later.

TOBACCO STEMS
"Good Strong Kind."
60 CTS. PER 100 LBS.
BALES WEIGH 500 LBS.
TOBACCO DUST
"THE BLACK STUFF."
Fine or Coarse to Your Order.
50 to 1000 lbs., 2 cents per pound.
H. A. STOOTHOFF,
116 WEST STREET, NEW YORK CITY.
Mention this paper.

PALMS
ETC.

Hardy, Stocky and Perfect in Every Respect. The Best at Fair Prices.

Areca Lutescens Three plants together, 4 inch at 25c.; 6 inch at 50c., 75c and $1.00; 8 inch at $1 50; 10 inch at $4.00 and $5.00; 14 inch and 16 inch, fine bushy specimens, at $15.00 to $35.00 each.

Latania Borbonica Strong and stocky, 4 inch at 25c.; 6 inch at 50c. and 75c.; 8 inch at $1.50.

Kentia Belmoreana Strong plants, 3 inch at 25c; 4 inch at 40c. and 50c.; 5 inch at 75c; 6 inch at $1.00, $1.25, $1.50; 8 inch at $2.00.

Kentia Forsteriana 3 inch at 25c; 4 inch at 4 c. and 5 c.; 8 inch at $2.50; 8 inch bushy, at $3.50; 8 inch, with Latania Borbonica, at $3.50.

Livistona Rotundifolia 4 inch at 40c.; 5 inch at 75c.

Pandanus Veitchii 6 inch at $1.00; 8 inch at $2 00.

Ficus Elastica, Araucaria Excelsa, Cocos Weddeliana, &c., &c.

Send for Price List. **CHAS. D. BALL, Holmesburg, Phila., Pa.**

Mention the Florists' Exchange when writing

50,000 BOSTON FERNS

I Make a Specialty of

N. EXALTATA BOSTONIENSIS

Small plants, $4.00 per 100 or $35.00 per 1000; large plants, $6.00 to $50.00 per 100; taken from the bench.

FERNS In 5 in. pots, $3.00 per doz.; 6 in. pots, $6.00 per doz.; 7 in pots, $9.00 per doz.; 8 in. pots, $1.00 each;

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6 in. pots, from $1.00 to $1.50 each; 7 in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 in. pots, $3.00 and $4.00 per doz.

Asparagus Plumosus, 2½ in. pots, $5.00 to $6.00 per 100; 3½ in. pots, $10.00 per 100.

Asparagus Sprengeri, 2½ in. pots, $5.00 to $6 00 per 100.

Araucaria Excelsa, 14 to 16 in. high, 4 to 5 tiers, 6 in. pots, $1.00 and $1.25 each; 20 to 24 in. high, 5 to 6 tiers, 6 in. pots, $1.50 each; larger size, $2.00 and $2.50 each.

Rubber Plants, 20 to 32 in. high, $5.00 to $9.00 per doz.

Chinese Primroses, 3½ inch pots, $6.00 per 100.

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders Connected with Telephone.

Mention the Florists' Exchange when writing.

ASSORTED FERNS

$10.00 per 1000.

BOSTON FERNS $5.00 per 100; $40.00 per 1000. Larger plants, $10.00, $20.00 and $50.00 per 100. Extra large plants, from $1.50 to $4.00 each.

ARECA LUTESCENS Ready for pots, $2.00 per 100; $18.00 per 1000.

KENTIA BELMOREANA 2 inch pots, $6 00 per 100.

PANDANUS VEITCHII Fine, large plants, in 8 inch pots, $2.00 each.

PANDANUS UTILUS In 8 inch pots, $1.50 each.

JOHN SCOTT, Keap Street Greenhouses, Brooklyn, N. Y.

TELEPHONE, No. 1207 WILLIAMSBURGH.

Mention this paper.

Mention the Florists' Exchange when writing.

ASPARAGUS

SPRENGERI and PLUMOSUS NANUS.

Extra strong stock, from 2½ inch pots, $5.00 per 100; $40.00 per 1000. (Ready for 3 inch.)

JACKSON & PERKINS CO., NEWARK, NEW YORK

Mention the Florists' Exchange when writing.

Jardiniere Ferns

ELEGANT STOCK.

$3.00 per 100; $25.00 per 1000.

Roses for the South. Varieties most adapted for southern planting. Just the thing you want. Stock A No. 1. Write for Price List.

J. B. HEISS, The Exotic Nurseries, **Dayton, Ohio.**

Mention the Florists' Exchange when writing

A SNAP TO THE RIGHT MAN

One-Half or the Entire Stock of

Palms, Ferns and Decorative Plants

20,000 **Latania Borbonica,** in 3, 4, 5, 6, 7 and 8 in. pots, in good shape; good stock of other sorts. Will be sold at a big sacrifice. I cannot care for them. Write or call soon. It will pay if you mean business. Good discount on smaller lots.

W. J. HESSER, Proprietor Palm Gardens **Plattsmouth, Neb.**

Mention the Florists' Exchange when writing.

AT A BARGAIN.

500 Bridesmaid Roses, 3-in., goods tock,s $4.00 per 100; the 500 for $18.00 cash.

Palms, Kentia, Belmoreana, 2-in., per 100 $7.00; 3-in., per 100, $20.00.

Latania Borbonica, 3-in., per 100, $15.00.

Dracæna Snoderiana, 2-in., per doz., $1.50.

Selaginella Emmeliana, 2-in., per 100, $3.00.

Asparagus Sprengeri, fine, 2-in., per 100, $4.00.

Grevillea Robusta, 3-in., per 100, $5.00.

Rex Begonias, 3 in., in 10 good varieties, per 100, $7.00.

SMILAX,

Good Stock, from Pots, at $1 25 per 100; $10 per 1000. *Satisfaction Guaranteed. Cash with Order.*

GEO. L. MILLER, Newark, Ohio.

Mention the Florists' Exchange when writing.

BOSTON FERNS

Now ready. $5.00 per 100.

H. L. CAMERON, No Cambridge, Mass.

Mention the Florists' Exchange when writing.

FINE PALMS.

Kentia Belmoreana and Forsteriana—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, from $2.50 upwards.

Phœnix Reclinata, 4 in. pots, $20 per 100; 5 in. pots, $40 per 100; 6 in. pots, 35c. each; 7 in. pots, $1.25 each; specimen plants, $2.00 upwards.

Areca Lutescens, 3 in., $15 per 100; 4 in., $25 per 100.

Latania Borbonica, 4 in., $20 per 100.

JOHN BADER, Troy Hill, **Allegheny, Pa.**

L. D. TELEPHONE 872A.

Mention the Florists' Exchange when writing.

BOSTON FERN

A SPECIALTY.

At $3.00, $6.00 and $9.00 Per Dozen.

Fine Plants, Cut from Bench.

ASPARAGUS.

Plumosus Nanus, 3 in., $8.00 per 100.

Sprengeri, 3 inch, $6.00 per 100.

20,000 Small Palms, Kentias, Latanias, Cocos from 2½ inch to 5 inch. Prices on application.

L. H. FOSTER, 45 KING STREET, **Dorchester, Mass.**

Mention the Florists' Exchange when writing

A Few Good Things You Want

KENTIA BELMOREANA and FORSTERIANA, 2½ in., 10c.; 3 in., 18c.; 4 in., 35c.; 5 in., 50c. each.

ARECA LUTESCENS, 3 in., 3 plants to pot, 18c.; 4 in., 25c. each. All cool grown, nice clean stock, and cannot be duplicated anywhere for the money.

BOSTON FERN, 3 in., $8.00; 4 in., $15.00; 5 in., $30.00 per 100.

SWORD FERN, Nephrolepis Cordata Compacta, 2½ in., $3.00 per 100.

SMILAX, 2 in., $2.00 per 100.

ROSE BRIDESMAID, 3 in., $5.00 per 100.

REX BEGONIA, finest varieties, 2½ in., $4.00; 3 in., $6.00 per 100.

GERANIUMS, double and single, Grant, Mme. Bruant, Mrs E. G. Hill, Poitevine, Bonnat and S. A. Nutt, 3 in., $5.00 per 100.

CAMPBELL VIOLET and **VINCA VAR.,** 2½ in., $3.00 per 100.

PRIMULA CHINENSIS, 2 inch, $3.00; 3 inch, $4.00 per 100.

CYCLAMEN GIGANTEUM, 2½ inch, $4.00; 3 inch, $8.00 per 100.

ASPARAGUS Sprengeri and **Plumosus,** 2 in., $5.00; 3 in., $8.00 per 100 Cash with order.

Will exchange any of above for good field-grown plants of Flora Hill Carnation.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

THESE plants have a long thrifty growth and are ready for a shitf or immediate sale. They have been grown cool and can be safely shipped to any part of the country.

Boston Fern. From 2½ inch pots, $3 00 per 100; $25.00 per 1000. From 4 inch pots, $1 00 per doz., $8.00 per 100.

Asparagus Sprengeri. From 2½ inch pots, $2.50 per 100; $20.00 per 100. From 4 in. pots, $1.00 per doz., $8.00 per 100.

Asparagus P. Nanus. From 2½ inch pots, $4 00 per 100; $35.00 per 1000. From 4 in. pots, $1.00 per doz., $8.00 per 100

New Hibiscus, Peachblow. From 2½ in. pots, $4 a 100.

Boston Ivy. (A. Veitchii.) Pot grown, $3.00 per 100; $25 00 per 1000.

200,000 Roses. From 2½ inch pots, $2 50 per 100; $20.00 per 1000.

Golden Gate, Crimson Rambler, La France. Striped La France, White La France, Mosella, Kaiserin, Bride, Maid, Etoile de Lyon, Meteor, Wolfe Maman Cochet, Marechal Niel, Pink Maman Cochet, C. Soupert, Pink Soupert, The Queen, Muriel Graham, Burbank, Marie Van Houtte, Gen. Lee, Malmaison, Mrs. Degraw, P. Pere, Abel Chateney, Caroline Marniesse, Yellow Rambler, Empress of China.

Cash With Order, Please.

THE JOHN A. DOYLE CO.

SPRINGFIELD, OHIO.

Mention the Florists' Exchange when writing

Asparagus Plumosus Nanus,

EXTRA STRONG, from 3 in. pots; about ready for a 4-in. shift.

$1.00 per doz.; $8.00 per 100; $70.00 per 1000.

Orders amounting to $5.00 and over, f. o. b. New York City; these, from unknown correspondents, will be sent C. O. D.

SEAWANHAKA GREENHOUSES, W. L. SWAN, Proprietor, Lock Box 227, OYSTER BAY, NASSAU CO., N. Y.

Mention the Florists' Exchange when writing

BARGAIN OFFER TO CLEAN UP!

BOSTON FERN 2½ inch, $2.50 per 100. 3 inch, $5.00 per 100.

ACALYPHA SANDERI 2½ inch strong plants, $3.00 per 100; $25.00 per 1000.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR

ERICAS

Palms, Decorative and Flowering Plants.

Standard Bay Trees, all sizes.
Kentia Belmoreana and Forsteriana, small plants, from 15c. to 25c. each; larger plants from 50c. to $25 10 each, all sizes.
Livistona, $3 00 per dozen.
Latania Borbonica, from 50c. to $1.50 each.
Boston Ferns, from 50c. to 75c. each, to $2 each.
Araucaria excelsa, from 75c. to $3.00 each.
Araucaria glauca, from $1.50 to $3 00 each.
Araucaria compacta robusta, $3.00 each.
Rubbers, 35c to 75c. each.
Cyclamen persicum giganteum, $3.00, $4.00, $5.00.
Ardisia crenulata, red and white berried, $8.00, $9.00, $12.0 , $15.00, $18.00 and $24.00 per dozen.
Crimson Rambler, grown in pots, large plants for making Pyramids, $9 00 per dozen.
Oranges, well-fruited, from $1.00 to $5 00 each.
Peruvian Peppers, $6.00, $9.00 and $12.00 per doz.
Chrysanthemums in pots, $6.00, $7.00, $8.00 and $9 00 per dozen.
AZALEAS, WELL BUDDED, $35.00, $50.00. $75.00 and $100.00 per 100; larger plants up to $5 00 each.
HYDRANGEAS, WELL BUDDED FOR EASTER FORCING, 5 to 7 branches, fine plants, $15.00 per 100; 3 to 4 branches, $10.00 per 100; 2 to 3 branches, $5.00 per 1 0.
Carnation Wm. Scott, field-grown, $6.00 per 100.

Ericas for Delivery from October 1st.

Erica fragrans Christmas variety, small plants $10.00 per 100; two-year-old, set with buds ready for Christmas forcing, $50.00, $75.00 and $100 00 per 100. Larger plants, up to $5.00 each.
Erica Vilmoreana, well set with buds for Christmas, $50 00 and $75.00 per 100.

Varieties which will bloom after Christmas and for Easter.

Erica cupressina, the best, $75.00 and $100.00 per 100
Erica pers. alba, $6.00 and $9.00 per dozen.
" " rosea, $6.00 and $9.00 per dozen.

Small plants for ferneries, etc., which will bloom this Fall and Winter.

Erica pers. rubra, $10.00, $15.00 and $20.00 per 100, 3½ inch pi k.
Erica gracilis autumnalis, $20.00 per 100; pink.
" pers. alba, $8.00, $12.00 and $15.00 per 100.
" " rosea, $8.00, $10.00 and $15.00 per 100.

Cash With Order from Unknown Parties.

When ordering add to a $10 00 order 50c. for packing; $25.00, $1 0 ; $5 .00, $1.50; $75.00, $2.00; $100.00, $2.50.

ANTON SCHULTHEIS,

P. O. Box 78,

COLLEGE POINT, Queens Borough, N.Y.CITY

Mention the Florists' Exchange when writing

Adiantum Cuneatum

2½ in. pots, $4 per 100; 3½ in. pots, $6 per 100 3½ in. pots, large plants, $10 per 100; selected plants, 3½ in. pots, $12 per 100.

Asparagus Sprengeri

2½ in. pots, $4 per 100; $30 per 1000.
3 in. pots, $5 per 100.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

FERNS OUR SPECIALTY.

A grand stock of **MAIDEN HAIR FERNS,** in 4 inch, ready for 5 inch pots, per 100, $15.00; per 1000, $140 00.

Full-grown plants, in 2½ inch pots, ready for a shift, per 100, $4.00; per 1000, $35.00.

Fine lot of **ASSORTED FERNS,** for Jardinieres. All the best varieties, in 2½ inch pots, per 100, $4 00; per 1000 $35.00.

An Excellent Stock of

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Over 10,000 now ready for the market.

6 inch pots .....each, $1.50; per 1000, $140.00.
5 inch pots ..... " 1 00; " " 95.00.
4 inch pots ..... " .60; " " 55.00.

Money returned if not satisfactory. Cash or C. O. D.

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24 to 28 inches high, fine strong plants, $1.25 per doz ; $10.00 per 100.

75 Clumps Bouvardia President Garfield, A. Neuner and Rosea Multiflora, at $1.25 per doz.; $10.00 per 100.

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The following quotations offer exeptionally good value. There is nothing quoted which we cannot recommend and ship at once, safely by freight, before cold weather. Our stock is larger than ever, and particularly clean, healthy and vigorous. We offer it on its merit:



NEPHROLEPIS WITTBOLDII. Strong runners, ready for 3 in. pots, $1.00 each; $10.00 per Doz.

Kentias.

Varieties.	Size Pot.	Height Ins.	No. Leaves.	Each.	Per Doz.	Per 100
Belmoreana,	2½	8 to 9	3 to 4	$	$ 1.50	$12.00
Belmoreana,	3	10 to 12	4 to 5		2.00	15.00
Belmoreana,	3½	12 to 14	5 to 6	.25	3.00	20.00
Belmoreana,	4	14 to 16	5 to 7	.40	4.00	30.00
Belmoreana,	5	16 to 20	5 to 6	.75	7.20	60.00
" strong,	5	18 to 24	5 to 7	1.00	12.00	90.00
Belmoreana,	6	20 to 22	6 to 7	1.25	15.00	125.00
" strong,	6	26 to 28	6 to 7	1.50	18.00	180.00
Belmoreana,	7	36 to 40	6 to 7	2.25	27.00	240.00
Belmoreana,	8	42 to 48	6	3.25	39.00	300.00
Forsteriana,	2½	8 to 9	3 to 4		1.50	12.00
Forsteriana,	3	10 to 12	4 to 5		2.00	15.00
Forsteriana,	3½	12 to 14	5 to 6	.25	3.00	20.00
Forsteriana,	4	14 to 16	5 to 7	.40	4.00	30.00
Forsteriana,	5	20 to 24	5 to 6	.75	7.20	60.00
" strong,	5	22 to 26	5 to 6	1.00	12.00	90.00
Forsteriana,	6	28 to 30	5 to 6	1.25	15.00	125.00
" strong,	6	30 to 34	6 to 7	1.50	18.00	180.00
Forsteriana,	8	44 to 50	6	3.25	39.00	300.00

Latanias.

Borbonica,	2¼		3		.60	5.00
Borbonica,	3	12	5 to 6		1.00	8.00
Borbonica,	3½	12 to 15	5 to 6	.15	1.50	12.00
Borbonica,	4	15 to 18	5 to 7	.25	3.00	20.00
Borbonica,	5	18 to 22	6 to 7	.50	5.00	35.00
Borbonica,	6	20 to 24	6 to 8	.60	6.00	50.00
Borbonica,	6	24 to 30	6 to 8	.75	9.00	

Variety.	Size Pot.	Height, Plants Ins.	in pot.		Per Doz.	Per 100
Areca Lutescens,	2¼	5 to 5	3		$1.00	$8.00
Areca Lutescens,	3½	12 to 14	3	Ea.	2.00	15.00
Areca Lutescens,	4	15 to 18	3	$0.25	3.00	25.00

Asparagus.

Varieties.	Size pot.	Per Doz.	Per 100
Asparagus Plumosus Nanus...	2 in.	$0.50	$4.00
Asparagus Plumosus Nanus...	3 in.	1.00	8.00
Asparagus Plumosus Nanus..	4 in.	1.50	12.00
Asparagus Plumosus Nanus...	5 in.	2.00	15.00
Asparagus Sprengeri.....	2 in.	.50	4.00
Asparagus Sprengeri.....	4 in.	1.50	12.00

Asparagus—Continued.

Varieties.	Size pot.	Per Doz.	Per 100
Asparagus Sprengeri.....	5 in.	$2.00	$15.00
Asparagus Sprengeri.....	6 in.	5.00	
Asparagus Sprengeri.....	8 in.	10.00	

The several sizes of Asparagus Sprengeri are especially strong and large value.

Ferns.

Varieties.	Size pot.	Per Doz.	Per 100
Adiantum Cuneatum	5 in.	$2.00	$15.00
Pteris Cretica Alba-Lineata...	2 in.	.50	4.00
Pteris Serrulata Cristata	2 in.	.50	4.00
Pteris Serrulata	2 in.	.50	4.00
Pteris Tremula	2 in.	.50	4.00
Pteris Umbrosa	2 in.	.50	4.00
Cyrtomium Falcatum.....	3 in.	1.00	8.00
Cyrtomium Falcatum.....	4 in.	1.50	10.00
Nephrolepis Exaltata	5 in.	2.00	15.00
Nephrolepis Exaltata	6 in.	3.00	20.00
Nephrolepis Bostoniensis.....	4 in.	2.00	
Nephrolepis Bostoniensis.....	5 in.	3.00	
Nephrolepis Bostoniensis.....	6 in.	5.00	

Miscellaneous.

	Each.
Araucaria Excelsa, 3 inch, nice plants.....	$0.50
Araucaria Excelsa, 3½ inch, nice plants.....	.75
Araucaria Excelsa, 5 inch, nice plants.....	1.00
Araucaria Excelsa, 5 inch, nice plants.....	1.25
Cycas Revoluta.....	25c. to 75c.

	Pot	Height	Leaves	Each	Doz.	100
Ficus Elastica.....	6	22-23	12-14	75c.	$7 20	$60.00
Ficus Elastica.....	7	24-28	14-16		10.00	75.00
Ficus Elastica.....	6	28-34	16-18		12.00	100 00
Pandanus Utilis ...	2½	6- 8	10-12		1.00	8.00
Pandanus Utilis ...	3	8-10	12-15		2 00	15.00
Pandanus Veitchii, 6, extra fine					18.00	
Cocos Weddeliana, 3,				25c.	2.00	15.00
Phœnix Reclinata, 10		40-45	6- 8	3 50		
Aspidistra Lurida, 5		15-20	8-12	50c.	6.00	

	Doz.
Sanseviera Java. Var., 2 in, strong plants....	$0.60
Sanseviera Java. Var., 3 in., strong plants....	1.25
Sanseviera Java. Var., 4 in., strong plants....	2.00

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10 to 12 inches in diameter.....$35 per 100 14 to 16 inches in diameter.....$50 per 100
12 to 14 inches in diameter..... 45 per 100 16 to 18 inches in diameter..... 12 per doz

ASPARAGUS PLUMOSUS NANUS.

Strong 2½ in. pots ready for shifting into 3 in...$5 per 100 Strong 3 in. pots....$8 per 100
Asparagus Sprengerii—2½ in..$5 per 100 *Asparagus Sprengerii*—3 in..$7 per 100

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Strong 2½ in. pot plants.....$40 per 1000 Strong 4 in. pot plants... .....$15 per 100
Strong 5 in. pot plants.....$4 per dozen

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PALMS—Kentia Belmoreana, from 7 in. pots, 6 to 7 leaves; fine specimens, 5 ft. high, $4.00 each; 3 ft., $2 50; 2 ft., $2.00 each. Latania Borbonica, 8 in. pots, 2 and 3 ft. size, $1.25 and $1.00 each. Seaforthia Elegans, 6 ft. high, from 7 in. pots, excellent for decorating, $1.00 each; from 6 in. pots, 4 ft. high, 60 cts. each. Areca Lutescens, from 5 in. pots, 3½ ft. high, 50c. each; 2 ft. size, 30 cts. each. Cocos Weddelliana, from 4 in. pots, 15 to 18 in. high, 30 cts. each.
All palms 10 per cent. less by the doz. or half doz.

FERNS—Bostoniensis and Davallioides Furcans, fine, well established specimens, from 6 and 8 in. pots, $7.00 and $9.00 per doz Exaltata and Philippinensis, from 6 and 7 in. pots, $4.00 and $6 00 per doz.

RUBBERS—Fine plants, from 6 in. pots, $4.00 per doz.

DRCÆNAS—Lindeni and Massangeana, from 5 in. pots, beautifully colored, $6.00 per doz. Fragrans, same size, $3.50 per doz. Terminalis and Fragrans, from 4½ in. pots, $2.50 per doz.

DIEFFENBACHIA—4½ in. pots, $3 00 per doz. **Maranta Zebrina**, 3 in. pots, 50 cts. per doz. **Anthurium Grande**, fine, 4 and 5 in. pots, $2 00 and $3.00 per doz. **Pandanus Utilis**, 4½ in. pots, $3 00 per doz.; specimen plants, from 9 in. pots, $2 each. Well colored **Crotons**, from 5 in. pots, $3.00 per doz. **Begonias**, Rex, and blooming varieties, 5 in. pots, $1.00 per doz. **Jasmines**, in variety. **Gardenia, Oranges, Altamandas, Clerodendrons, Stephanotis, Hoya Carnosa**, 4 and 5 in. pots, $1 00 and $1.50 per doz. **Umbrella Plants**, for 6 and 7 in. pots, $1 50 per doz; $8 00 per 100. Also bedding plants in variety.

Discounts—Ten per cent. worth of plants will be added to all cash orders of $10.00 and over.

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BOSTON FERNS The true variety, from 2½ inch pots, $3.00 per 100; $25.00 per 1000.
Asparagus Plumosus Nanus, from 2½ inch pots, $3.50 per 100; $30.00 per 1000.
Asparagus Sprengeri, from 2½ inch pots, $2.50 per 100 $20.00 per 1000.
Acalypha Sanderi, from 2½ inch pots, $4.00 per 100; $35.00 per 1000.
" " from 3 inch pots, strong plants, $6 00 per 100.
Crotons, twelve best bedding varieties, from 2½ inch pots, elegant plants, $3.00 per 100; $25.00 per 1000. These will be fine to shift from on next year's bedding.
Pondorosa Lemon, largest lemon grown; bears fruit weighing two pounds and over. Is bound to become a popular plant. Fine plants, from 2½ inch pots, $1.00 per doz., $7.00 per 100.
Calla Lilies, 1¼ to 1½ inch diameter, 75c. per doz.; $5.00 per 100.
" " 1½ to 1¾ inch diameter, $1.25 per doze; $7.00 per 100.
The Two New Russelias, Lemoinei Multiflora and Lemoinei Elegantissima, 60c. per doz.; $4.00 per 100.
Bougainvillea Sanderiana, from 2½ inch pots, $6.00 per 100.
Weeping Lantanas, 2½ inch pots, $2.00 per 100; $18.00 per 1000.
Otaheite Orange, from 2½ inch pots, $3.00 per 100; $25.00 per 1000.
" " from 3 inch pots, $4.50 per 100; $40.00 per 1000.

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...Wholesale Prices of Cut Flowers...

	Names and Varieties	New York Oct. 12, 1900	Boston Oct. 11, 1900	Philadelphia Oct. 11, 1900	Baltimore Oct. 10, 1900	Buffalo Oct. 10, 1900
Roses	A. BEAUTY, fancy—special	15.00 to 25.00	20.00 to 25.00	30.00 to 30.00	.... to	20.00 to 25.00
	" extra	12.00 to 15.00	12.50 to 16.00	15.00 to 25.00	.... to	12.00 to 16.00
	" No. 1	8.00 to 10.00	6.00 to 10.00	10.00 to 20.00	12.50 to 16.00	6.00 to 10.00
	" Culls & ordinary	2.00 to 5.00	2.00 to 5.00	5.00 to 10.00	5.00 to 10.00	3.00 to 5.00
	Bride, 'Maid, fancy—spc'l	4.00 to 6.00	.... to	4.00 to 6.00	.... to	.... to ....
	" extra	3.00 to 4.00	.... to 4.00	3.00 to 5.00	.... to	4.00 to 6.00
	" No. 1	2.00 to 3.00	2.00 to 3.00	2.00 to 4.00	4.00 to 5.00	3.00 to 4.00
	" No. 2	.75 to 1.00	1.00 to 2.00	1.00 to 3.00	2.00 to 3.00	1.00 to 2.00
	K. A. Victoria	3.00 to 8.00	2.00 to 8.00	2.00 to 8.00	3.00 to 5.00	2.00 to 6.00
	La France	1.00 to 3.00	.... to	2.00 to 5.00	3.00 to 5.00	.... to ....
	Liberty	2.00 to 8.00	1.00 to 3.00	.... to	.... to	.... to ....
	Meteor	2.00 to 8.00	.... to	2.00 to 6.00	3.00 to 5.00	.... to ....
	Papa Gontier	.... to	.... to	.... to	.... to	.... to ....
	Perle	1.00 to 2.00	1.00 to 3.00	2.00 to 4.00	2.00 to 3.00	1.00 to 4.00
	ORCHIDS—Cattleyas	15.00 to 25.00	20.00 to 25.00	25.00 to 50.00	.... to	.... to ....
	Cypripediums	.... to 12.00	.... to	.... to	.... to	.... to ....
	Dendrobium formosum	12.00 to 15.00	.... to	.... to 25.00	.... to	.... to ....
Carnations	Inf'r grades, all colors	.20 to .50	.75 to 1.00	.50 to .75	.60 to .75	.25 to .50
	STANDARD VARIETIES: White	.75 to 1.25	1.00 to 1.25	.75 to 1.00	1.00 to 1.50	.75 to 1.50
	STANDARD VARIETIES: Pink	.75 to 1.25	1.00 to 1.25	.75 to 1.00	1.00 to 1.5	.75 to 1.50
	STANDARD VARIETIES: Red	.75 to 1.25	1.00 to 1.25	.75 to 1.00	1.00 to 1.50	.75 to 1.50
	STANDARD VARIETIES: Yel.&Var.	.75 to 1.25	1.00 to 1.25	.75 to 1.00	.... to	.... to ....
	*FANCY— White	1.25 to 2.00	.... to 1.50	1.00 to 1.50	.... to	.... to ....
	*FANCY— Pink	1.25 to 2.00	.... to 1.50	1.00 to 1.50	.... to	.... to ....
	*FANCY— Red	1.25 to 2.00	.... to 1.50	1.00 to 1.50	.... to	.... to ....
	*FANCY— Yel.&Var.	1.24 to 2.00	.... to 1.50	1.00 to 1.5	.... to	.... to ....
	NOVELTIES	1.25 to 2.00	1.50 to 2.00	.... to 2.00	.... to	.... to ....
	ADIANTUM	.50 to .75	.... to .75	.75 to 1.00	.... to 1.00	.75 to 1.25
	ASPARAGUS	25.00 to 35.00	25.00 to 50.00	25.00 to 50.00	25.00 to 75.00	50.00 to 80.00
	ASTERS	.50 to .60	.50 to .75	.... to	.... to	.... to ....
	CALLAS	.... to	.... to	.... to	.... to 8.00	.... to ....
	CHRYSANTHEMUMS	6.00 to 15.00	6.00 to 8.00	20.00 to 25.00	5.00 to 15.00	.... to ....
	" Fancy	15.00 to 25.00	12.50 to 16.00	.... to	.... to	.... to ....
	DAISIES	.... to	.... to	.... to	.... to	.... to ....
	GLADIOLUS	.50 to 1.50	.... to	.... to	2.00 to 3.00	.... to ....
	LILIES	3.00 to 4.00	.... to	.... to	.... to	.... to ....
	LILY OF THE VALLEY	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	.... to	3.00 to 4.00
	MIGNONETTE—ordinary	.25 to 1.00	1.00 to 1.50	.... to	.... to	.... to ....
	" fancy	.... to	.... to	.... to	.... to	.... to ....
	SMILAX	8.00 to 10.00	10.00 to 12.50	12.00 to 20.00	10.00 to 25.00	10.00 to 15.00
	TUBEROSES	.75 to 1.00	.... to	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00
	VIOLETS—ordinary	.10 to .25	.35 to .50	.... to	.... to	.60 to 1.00
	" fancy	.... to	.... to	.50 to .75	.... to	.... to ....

For Prices of Fancy and Special Stock see our Correspondence Columns.
Prices are for quantities of one hundred unless otherwise noted.
Prices quoted above are given only after very careful inquiry, and while we do not guarantee their accuracy, they will be found practically correct up to the date mentioned.

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32, 34, 36 Randolph St., CHICAGO, ILL.

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Seeds, Bulbs, Florist Supplies and Cut Flowers,
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CUT FLOWERS AND FLORISTS' SUPPLIES
No. 67 Bromfield St. and 18 Chapman Place, BOSTON, MASS.

...Wholesale Prices of Cut Flowers...

	Name and Varieties	Chicago Oct. 10, '00	St. Louis Oct. 8, '00	Cincinnati Oct. 9, '00	Milwaukee Oct. 10, '00	Pittsburg Oct. 8, '00	Toronto Oct. 8, '00
Roses	A. BEAUTY, fancy—special	20.00—25.00	....—	....—	20.00—25.00	20.00—25.00	....— ....
	" extra	15.00—16.00	12.50—15.00	....—10.00	15.00—18.00	10.00—15.00	10.00—25.00
	" No. 1	6.00—12.00	8.00—10.00	....—	10.00—12.50	5.00— 8.00	....— ....
	" Culls & ordinary	3.00— 5.00	4.00— 6.00	....—	4.00— 8.00	2.00— 4.00	5.00—10.00
	Bride, Maid, fancy-spec'l	....—	....— 5.00	....— 5.00	5.00— 6.00	4.00— 6.00	....— 8.00
	" extra	4.00— 5.00	....— 4.00	....— 4.00	....— 4.00	3.00— 4.00	....— ....
	" No. 1	2.00— 3.00	2.00— 3.00	....— 3.00	....— 3.00	2.00— 3.00	4.00— 6.00
	" No. 2	.75— 1.00	1.00— 1.50	....— 2.00	....— 2.00	.75— 1.50	1.00— 3.00
	K. A. Victoria	3.00— 5.00	2.00— 5.00	....—	4.00— 6.00	4.00—10.00	....— ....
	La France	2.00— 3.00	....—	....—	....—	1.00— 3.00	....— ....
	Liberty	3.00— 5.00	2.00— 4.00	....—	....—	....—	....— ....
	Meteor	3.00— 5.00	2.00— 4.00	3.00— 6.00	4.00— 5.00	2.00— 6.00	2.00— 6.00
	Papa Gontier	....—	....—	....—	....—	....—	....— ....
	Perle	3.00— 4.00	2.00— 3.00	....—	3.00— 4.00	2.00— 4.00	2.00— 4.00
	ORCHIDS—Cattleyas	40.00—50.00	....—	....—	....—	....—	....—25.00
	Cypripediums	....—	....—	....—	....—	....—	....— ....
	Dendrobium formosum	....—	....—	....—	....—	....—	10.00—15.00
Carnations	Inf'r grades, all colors	.50— .75	....— .50	....—	....— 1.00	....— .75	....— .50
	STANDARD VARIETIES White	1.00— 1.50	....— 1.00	1.00— 1.25	....— 1.00	.75— 1.25	.75— 1.25
	STANDARD VARIETIES Pink	1.00— 2.00	....— 1.00	1.25— 1.50	....— 1.00	.75— 1.25	.75— 1.25
	STANDARD VARIETIES Red	1.00— 2.00	....— 1.00	1.00— 1.25	....— 1.00	.75— 1.25	.75— 1.25
	STANDARD VARIETIES Yel.&Var.	1.00— 2.00	....— 1.00	....—	....— 1.00	.75— 1.25	....— ....
	*FANCY— White	....—	1.50— 2.00	....— 2.00	1.50— 2.00	1.25— 1.50	....— 2.00
	(*The highest grades of standard var) Pink	....—	1.50— 2.00	....— 2.00	1.50— 2.00	1.25— 1.50	....— 2.00
	(*The highest grades of standard var) Red	....—	1.50— 2.00	....—	1.50— 2.00	1.25— 1.50	....— 2.00
	(*The highest grades of standard var) Yel.&Var.	....—	1.50— 2.00	....—	1.50— 2.00	1.25— 1.50	....— ....
	NOVELTIES	....—	....—	....—	1.50— 2.00	....—	....— ....
	ADIANTUM	.50— .75	.75— 1.00	....—	.75— 1.00	.75— 1.00	....— .50
	ASPARAGUS	40.00—50.00	....—	....—	30.00—50.00	35.00—50.00	30.00—50.00
	ASTERS	.50— 1.00	....—	....—	....—	.75— 1.00	.50— .75
	CALLAS	....—	....—	....—	....—	....—	....— ....
	CHRYSANTHEMUMS	8.00—16.00	....—	....—	....—	10.00—16.00	....— ....
	" Fancy	....—	....—	....—15.00	....—	18.00—20.00	....—12.00
	DAISIES	.15— .25	....—	....—	....—	....—	....— ....
	GLADIOLUS	2.00— 4.00	....—	....—	....—	2.00— 3.00	2.50— 5.00
	LILIES	12.00—15.00	....—	....—	....—	....—	....— 6.00
	LILY OF THE VALLEY	3.00— 5.00	3.00— 4.00	....— 4.00	....—	2.00— 4.00	....— ....
	MIGNONETTE—ordinary	....—	....—	....—	....—	....—	....— ....
	" fancy	....—	....—	....—	....—	....—	....— ....
	SMILAX	10.00—12.00	....—12.50	10.00—15.00	12.50—15.00	12.50—15.00	....— ....
	TUBEROSES	2.00— 3.00	3.00— 4.00	....—	....—	....—	....— ....
	VIOLETS—ordinary	.40— .50	....—	.25— .50	....— .50	....—	.40— .50
	" fancy	....— .75	....—	....—	....— 1.00	....—	....— 1.00

H. G. BERNING,
Wholesale Florist
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Florists' Supplies. Consignments Solicited. Write for Price List. PITTSBURGH, PA.

GALAX LEAVES
For latest prices green and bronze Galax Leaves and Leucothoe, address the introducer,
HARLAN P. KELSEY,
Tremont Bldg., BOSTON, MASS.

Wild Smilax Is Now Arriving. Write for Prices.
Galax Leaves Brilliant Bronze or Green, $1.50 per 1000.
FANCY FERN, DAGGER FERN, Etc., at Market Prices.
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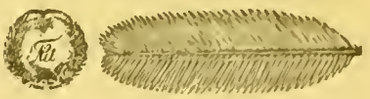

SAGO LEAVES.

Per 10		Per 15	
6-12 inch	$0 40	24-30 inch	$0 80
12-18 "	55	30-36 "	1 20
18-24 "	70	36-42 "	1 50

42 inch and over, per 10, $2 40.



No. 7200 PALMS.

	Lvs.	Hgt.	Doz.	
7204	3	24in.	$2.10	Metal Wreaths,
7204a	3	36 "	3.60	
7200	5	36 "	5.40	From
7201	6	40 "	7.20	
7201a	10	40 "ea	1.80	25 cents up.

PALM TREES.

	Lvs.	Hgt.	Ea.	Natural	Prepared
7206	9...7	1t.	$3.50	Palm Leaves,	100
7208	16...9	"	4.50	Medium size	$6.00
7209	24..10	"	6.00	Large size	10.00

FRANK NETSCHERT,
CHICAGO: 187 S. Clark Street.
NEW YORK: 7 Barclay Street
Mention the Florists' Exchange when writing.

MERCER FLORAL CO.
CARL E. TAUBE, Proprietor,
WHOLESALE AND RETAIL
CUT FLOWERS.
Carnations a Specialty, TRENTON, N. J.
Mention the Florists' Exchange when writing.

Galax Leaves
CHAS. H. RICKSECKER, Linville, N. C.
Mention the Florists' Exchange when writing.



Engage your ferns for Winter now, price 75c a 1000. Best Laurel Festooning, 4c. to 6c. a yd Telegraph New Salem, Mass.
CROWL FERN CO., Millington, Mass.
Mention the Florists' Exchange when writing.

J. G. LOVEN,
Montezuma, N. C.,
DEALER IN
GALAX LEAVES
at Wholesale.
Orders filled promptly. Correspondence Solicited
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PREPARED TROPICAL PALMS AND CYCAS LEAVES



Send for Catalogue.
OSTERTAG BROS., Florists,
Washington and Jefferson Aves., ST. LOUIS, MO.
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FIELD-GROWN CARNATIONS

6000 SCOTT, 4000 McGOWAN

All healthy, $3.00 per 100; $25.00 per 1000.

CASH WITH ORDER.

ALEX. SCHULTZ, Phillipsburg, N. J.

Mention the Florists' Exchange when writing.

20,000 EXTRA FINE

FIELD-GROWN CARNATIONS

Scott, Flora Hill, McGowan, Mrs. F. Joost, Mary Wood, New York, Boo Too, Albertini, Thos. Cartledge, Argyle, Gold Nugget, Lily Dean, Leslie Paul, Iris Miller, Elsie Ferguson, at $6.00 per 100; $50.00 per 1000.

Melba, G. H. Crane, at $8.00 per 100.

EVENDEN BROS., - Williamsport, Pa.

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CARNATIONS

Field-Grown Plants.

F. DORNER & SONS CO.,

La Fayette, Ind.

SEND FOR PRICE LIST.

Mention the Florists' Exchange when writing.

CARNATIONS

Field-Grown Plants.

GENEVIEVE LORD The Finest of all Commercial Pink Carnations. Fine plants. First size, $12.00 per 100; second size, $10.00 per 100.

	Per 100
J. Whitcomb Riley	$12 00
Daybreak	6 00
Mayor Pingree	5.00
100 Wm. Scott	5.00
Seedling No. 30	8.00

No 30 is a bright pink, very free Winter bloomer, averaging stems 2 to 3 feet.

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

FIELD-GROWN

CARNATIONS

DAYBREAK,

$4.50 per 100; $40.00 per 1000.

Scott, Portia, and McGowan

$4.00 per 100; $35.00 per 1000.

THE BOOL FLORAL CO.,

ITHACA, N. Y.

Mention the Florists' Exchange when writing.

80,000 Fine, Large, Field-Grown

CARNATION PLANTS

Your money refunded if plants are not satisfactory.

Argyle, Jubilee, Scott, McGowan, Pingree, Evelina.

$3.00 per 100; $25.00 per 1000.

Flora Hill, $5.00 per 100; $45.00 per 1000

ROSE PLANTS.

Meteor, Bridesmaid, Bride } Large, strong plants, $2.50 per 100; $20.00 per 1000.

GEORGE REINBERG,

51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

CARNATIONS Extra fine field-grown clumps. Evelina, John Young, Albertini, Mrs. Dean, John's Scarlet, Webb, White Cloud, Empress, etc., $5.00 per 100.

ALBERT H. BROWN, - Westboro, Mass.

Mention the Florists' Exchange when writing.

10,000 CARNATIONS

	Per 100	Per 1000
Flora Hill	$4.00	$35.00
Wm. Scott	$3 to 3.50	$25 to 30.00
L. McGowan	2.50	20.00

C. HUMFELD, - Clay Center, Kansas.

Mention the Florists' Exchange when writing.

MARQUIS

CARNATIONS, Field-Grown.

$10.00, to close balance of stock.

L. E. MARQUISEE, - Syracuse, N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS

Large field-grown, no disease. Victor, Portia, Firefly, C. A. Dana, and Empress, $3.00 per 100. Genesee, the new white, nice bushy second size plants, $2 50 per 100.

Our Descriptive Price List of DAHLIAS for Fall and Spring delivery is now ready for distribution. Our stock is first-class and prices right.

A. B. DAVIS & SON, Established 1866 Purcellville, Va. (Near Washington, D. C.)

Mention the Florists' Exchange when writing.

CARNATION PLANTS!

A few thousand **Scott, McGowan, E. Pierson,** first size plants, $3.00 per 100; $25.00 per 1000. A bargain for cash only.

GEO. H. BENEDICT, Yorkville, N.Y.

Mention the Florists' Exchange when writing.

CARNATION BLOOMS

Of all leading varieties now ready.

Let us figure on your wants.

CHICAGO CARNATION CO., Joliet, Illinois.

Mention the Florists' Exchange when writing.

CARNATIONS

WM. SWAYNE, Kennett Square, Pa.

Mention the Florists' Exchange when writing.

IF YOU NEED ROSES Send us your list for prices.

THE C. A. REESER CO.

URBANA, OHIO.

Wholesale Rose Growers.

Mention the Florists' Exchange when writing.

VIOLETS

Marie Louise, strong field-grown clumps, entirely free from disease, $4.00 per 100; house-grown, equally healthy, $3.00 per 100; $25.00 per 1000.

SMILAX

Strong, bushy plants, from 2 and 2½ inch pots, must sell to make room, $5.00 per 1000; 75 cts. per 100. Cash. Write for sample. Special price on the lot of 25,000.

R. KILBOURN, - Clinton, New York.

Mention the Florists' Exchange when writing.

VIOLETS

A1 stock, free from disease: Lady Campbell, $2.50 per 100; $20.00 per 1000. Field-grown plants, $4.00 per 100; $35.00 per 1000.

ROSES Meteors, Perles, 'Maids and Brides, extra fine stock, 3 inch, $3.00 per 100, $20.00 per 1000.

CARNATIONS. A bargain on such varieties as White Cloud, Flora Hill, New York, Evelina, Scott, etc. Write for prices.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

8,000

Lady H. Campbell Violets

Large, field-grown plants, $5.00 per 100; $45.00 per 1000.

RICHARD LANGLE, White Plains, N. Y.

Mention the Florists' Exchange when writing

FIELD-GROWN CARNATIONS

Good Healthy Plants of

Portia, Wm. Scott, Tidal Wave, Frances Joost.

Prices on Application.

VICTOR S. DORVAL, Woodside, N. Y.

Mention the Florists' Exchange when writing.

DAYBREAK CARNATION PLANTS.

Fine, Strong Plants of Daybreak, at $5.00 per 100, $40.00 per 1000.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing.

4 ACRES FIELD-GROWN CARNATION PLANTS--120,000

Our Carnations this year are very fine. They have been grown with the greatest care, free from disease, and are packed light by our improved method of packing, by which we can send to all parts of the United States, in perfect condition.

MAYOR PINGREE	MAUD ADAMS	DOROTHY SWEET	ALBERTINI
CRIMSON SPORT	JUBILEE	MRS. FISHER	C. A. DANA
ELDORADO	McGOWAN	L. L. LAMBORN	SWEET BRIER
MELBA	METEOR	FLORA HILL	PORTIA

$1.00 per dozen; $5.00 per 100.

Mention this paper. J. L. DILLON, BLOOMSBURG, PA.

100,000 CARNATION PLANTS

Large, Healthy, Field-Grown Plants.

	Per 100	Per 1000		Per 100	Per 1000
WM. SCOTT	$2.50	$20.00	GOLD NUGGET	$2.50	$20.00
McGOWAN	2.50	20.00	VICTOR	2.50	20.00
EVELINA	2.50	20.00	NIVEA	2.50	20.00
ARMAZINDY	2.50	20.00	MRS. BRADT	5.00	

Orders for Less than 50 of Any Variety Not Accepted.

PETER REINBERG, 51 Wabash Avenue, Chicago, Ill.

Mention the Florists' Exchange when writing.

ROSES

Perle	Sunset
K. A. Victoria	Souv. de Wootton

Strong clean plants, from 3 in. pots, $7.00 per 100 $65.00 per 1000.

Brides	Golden Gate
Bridesmaid	La France
Bon Silene	Maid of Honor
Duchess of Albany	Mermet

Strong, clean plants from 3 in. pots, $6.00 per 100; $55.00 per 1000.

LIBERTY 12 plants for.....$2 20
25 " " 12 50
50 " " 15 00
100 " " 28 00

Strong, Field-grown **CARNATIONS** Healthy Stock

America, Gen. Maceo, Mrs. Geo. M. Bradt
1st size, $8.00 per 100; $70.00 per 1000
2d size, $6.00 per 100; $50.00 per 1000

Melba, Genl. Gomez, Armazindy.
1st size, $7.00 per 100; $60.00 per 1000
2d size, $5.00 per 100; $45.00 per 1000

Bon Ton, Frances Joost, Psyche.
1st size, $6.00 per 100; $50.00 per 1000
2d size, $5.00 per 100; $45.00 per 1000

Firefly, New York, Sea Shell, Victor, Thos. Cartledge, Alaska, Portia, Lizzie McGowan, Wm. Scott.
1st size, $5.00 per 100; $40.00 per 1000
2d size, $4.00 per 100; $35.00 per 1000

SMILAX strong plants, from 2½ in. pots, $2.50 per 100; $18.00 per 1000.

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

ROSES

For Late Planting.

Strong, healthy plants of Bride, Perle, La France and Bridesmaid, from 4 inch pots, at $6.00 per 100.

ASPARAGUS SPRENGERI

Strong, 4 inch pots, $10.00 per 100.

DRACÆNA INDIVISA

Strong 4 inch pot plants, $8.00 per 100
Strong 5 inch pot plants, $12.00 per 100

I. H. MOSS, Govanstown, BALTIMORE, MD.

Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,

ROSES, PALMS, CROTONS,

...CARNATIONS...

and Novelties in Decorative Plants.

Market and 49th Sts., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

ROSE PLANTS

In varieties, from 2½, 3 and 4 inch pots. Write for prices.

	Per 100
Lemon Verbena, 3 in. pots	$4 00
Sanseviera Zeylanica, 3 in. pots	5.00
Asparagus Plumosus, 2½ in. pots	5 00
Asparagus Sprengeri, 2½ in. pots	4.00
Nephrolepis Cordata Compacta, 2½ in.	3.00
N. Cordata Compacta, 3 in. pans...per doz.,	6.00

Field-Grown, Scotch Hardy Pinks, at $3.50 per 100; $30.00 per 1000. 6 varieties.

THE NATIONAL PLANT CO., Dayton, Ohio.

Mention the Florists' Exchange when writing

PINK BOUVARDIA

(Rosea Multiflora.)

Very fine plants from the field, $10.00 per 100.

Also some **Good Scott Carnation** plants from the field, $4.00 per 100; $35.00 per 1000.

CHAS. E. MEEHAN, Germantown, Phila., Pa.

Mention the Florists' Exchange when writing.

FORGET-ME-NOT

Hardy, fine plants, $4.00 per 1000; 50c. per 100.

J. C. SCHMIDT, BRISTOL, PA.

Mention the Florists' Exchange when writing.

GIANT DOUBLE ALYSSUM 3 inch pots, $3.00 per 100.

CAMPBELL VIOLETS 2½ in. pots, $2.50 per 100.

Clean, Healthy, A No. 1 stock. Cash with order, please.

E. J. CLOUD, L. B. 32, Avondale, Pa.

Mention the Florists' Exchange when writing.

VIOLETS. VIOLETS.

Maria Louise, clean and healthy in every particular 3 in. pots, $5.00 per 100; ready. Cash with Order.

WM. J. CHINNICK, - Trenton, N. J.

Mention the Florists' Exchange when writing.



Denver.—In the match games rolled Tuesday evening, October 2, between the Florists' Bowling Club and Boomerang Bowling Club, the florists were beaten by 16 pins. The following scores will show just how it was done:

FLORISTS.	1	2	3
J. Berry	150	180	156
G. Zimmer	185	160	212
C. Trautz	122	140	161
A. Mauff	192	169	156
P. Scott	199	190	175
Total	848	859	860
BOOMERANGS.			
E. C. Johnson	235	178	157
H. Gustavison	136	159	151
J. Baxter	179	157	170
H. Strong	184	190	159
C. K. Reid	147	188	223
Total	881	872	889

Flatbush, N. Y.—The Flatbush boys rolled on their new alleys for the first time on Thursday night, October 5. These alleys are on the ground floor, and are nice and airy. The scores that were made run rather low. Whether this was owing to the strange alleys or the lady spectators in the gallery, is hard to tell. Below are the records of pins knocked down:

	1	2
E. Dailledouze	143	113
P. Riley	176	151
A. Zeller	132	136
P. Dailledouze	126	103
H. Dailledouze	165	130
Papa Zeller	63	101
W. J. Stewart	146	130
A. H. Langjahr	81	89
J. I. Raynor	140	119
L. Schmutz	126	123
D. Y. Mellis	141	130
C. Wocker	88	99
C. Woerner	103	77
A. Farman	98	99
—. Ford	110	89
A. Welsing	75	87
J. Thiones	—	114
S. S. Butterfield	88	120

Chicago.—The Chicago florists' team has joined the Anson Bowling League, formed to play at A. C. Anson's alleys. A. C. Anson was elected president; P. J. Hauswirth, vice-president; E. S. Winterson, captain. The teams competing are the Star, Lawler, Florists, Anson, Laurel, Standard, Orphans and J. F. Harris. The Florists played their first game, October 8, with the undernoted scores. A large crowd attended the meeting, including many ladies.

	1	2	3
Winterson	181	166	178
Degnan	130	171	...
Hauswirth	173	170	137
Balluff	208	181	154
Geo. Stollery	193	158	179
Asmus	189	...	...

St. Louis.—The Florists' Bowling Club made the following score October 8:

	1	2	3	4
C. A. Knehn	221	143	159	193
J. J. Beneke	157	117	144	...
John Young	119	130	104	135
F. C. Weber	156	138	159	123
C. C. Sanders	101	175	122	...
Wm. Adels	105	135	161	138
Theo. Miller	49	121	74	...
C. W. Scott	122	81	98	...

Buffalo.

Trade Items.

A decided warm spell of nearly ten days has been succeeded by cooler weather, which is expected to enliven trade. Except a limited number of October weddings that called for pretentious decorating, Fall business has thus far been light. Adams' store puts on a changed appearance in the recent installing of an ample-sized ice box. In pattern it is of the five-section front style, that prevails so largely in this city, with white enamel finish of the woodwork.

Flowers are generally rather plentiful for this date. No killing frosts have been experienced as yet. Indoor roses and carnations are improving in quality, but are hardly up to a nice size. The first violets have been received, of course, but of a quality scarce beyond their name. If violet growers would vie in the quality of blooms sent in at some stated time or date after October 15 or 20, instead of the name of first cutting a few malformed flowers of outdoor style of growth, a more worthy mark would be set.

VIDI.

Providence, R. I.

Trade News.

The continued warm weather has a depressing effect on Fall business in general, as owing to the absence of frost plenty of outdoor flowers are to be had. There was an abundance of asters this year; with a few exceptions, they were of good quality. Plenty of stock is to be had for made-up work, but the downtown florists find it difficult to get good long stemmed blooms for cut flower orders.

Chrysanthemums arrive in small lots. E. E. King and Rhode Island greenhouses are bringing the best into this market. Violets are also in and find a ready sale. The quality is poor and the flowers realize but a few cents per 100 wholesale. John A. Macrae is cutting large quantities, and his plants give promise of producing a fine lot of good blooms in the future.

Carnations are showing up well, having improved much in the last two weeks. N. G. Pierson is sending some fine Liberty roses to this market.

Jottings.

E. J. Collamore, for a number of years at Franklin Street, has given up business.

James Pierce, Edgewood, has also given up business and will move from the city.

Lawrence Hay, foreman for T. O'Connor, is soon to launch into business for himself. His place will be located on the grounds used by Brown University for botanical gardens. He will also superintend the care of the gardens. His ability as a commercial grower will assure him of success in his new venture.

M. J. Lench & Son, Pawtucket, report good business. Their stock in the greenhouses never looked better. They are about to erect a water tank to hold about 50,000 gallons of water on their plant.

Hazard & Wood are renovating their store, putting in new fixtures, and making ready for Fall business.

Trading stamps are in vogue in this city, and F. A. Fairbrother, who is the only florist downtown having them, reports an increased business.

George Johnson has returned from a visit to his son in Wyoming, where he has been all Summer.

A. M.

CORRESPONDENCE.

J. D. Carmody's Paper.

Editor Florists' Exchange.

I am very reluctant to criticise a sage like J. D. Carmody and I have waited thus long for someone else to speak, but as no one has done so, I shall have to myself, or burst. I am alluding to the part in Mr. Carmody's essay on greenhouse building, where he tells us to leave a little hole on either side of each sash bar to lead the condensed vapor that may run down the groove outside. I do not believe Mr. Carmody ever built such a house, nor will any practical florist ever take the advice there given. I will accept that the holes close up with ice, and after that do not let in any cold, although I doubt it very much. There is no ice forming until the temperature falls below 32 degrees, and even then, the holes will not all close up at once. If 16-inch glass is used, there will be, in a 100-foot house, about 250 holes; smaller glass will increase the number. Will Mr. Carmody tell us that he has no trouble in keeping such a perforated house warm when the outside temperature is between 40 and 32 degrees. He is lucky, too, if there be no gale blowing at the time.

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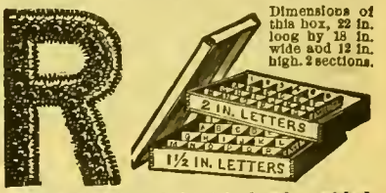

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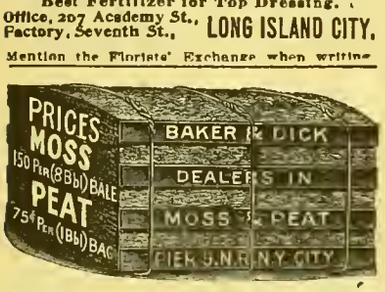

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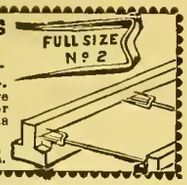

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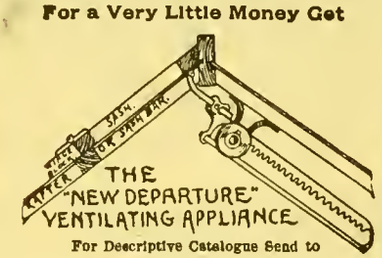

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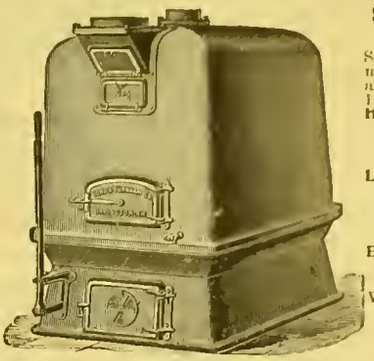

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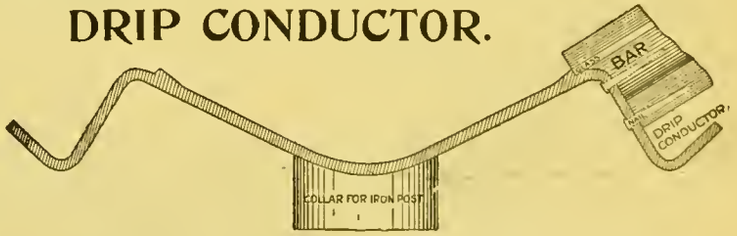

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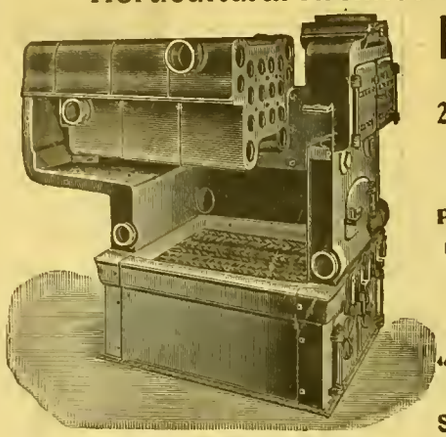

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GALAX LEAVES!

J. L. BANNER & CO., Montezuma, N. C.

Mention the Florists' Exchange when writing.

PÆONIES Choice collection of ten varieties, from pure white to crimson. Indispensable to the florist for Decoration Day. Doz, $1.50; $10.00 per 100.

CLEMATIS, large-flowering, also Paniculata; a large stock, two-year, 20 varieties. Doz., $2.00; $16.00 per 100. Paniculata, field-grown, $8.00 per 100.

JOSSELYN, Gooseberry, one year, $3.50 per 100; $30.00 per 1000.

H. P. Monthly and Moss Roses, leading kinds, strong, field-grown plants.

F. A. BALLER, Bloomington, Ill.

Mention the Florists' Exchange when writing.

PARSLEY

Large field-grown clumps, 75c. per 100; $5.00 per 1000.

LETTUCE, Grand Rapids, Boston Market, and others, 15 cts. per 100; $1.00 per 1000.

TOMATOES, true forcing, 25c. a 100; $2.00 a 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

American Tree Seeds

Our Descriptive Catalog of American seeds is just out. Ask for it.
Our Folder, "How to Make Tree Seeds Grow," free with every order.

PINEHURST NURSERIES, Pinehurst, N.C.
Otto Katzenstein, Mgr.

Mention the Florists' Exchange when writing.

Heacock's Premium ARECAS

I have grown on some specimen Arecas, plants that last year showed exceptional vigor. These are now in 14 inch pots, stand 8 to 9 feet high, and very bushy; each plant is perfect from all sides and great value for the price, $25. to $30 each. I also offer the following list of assorted Palms, all in perfect form and entirely free from insects or blemishes of any kind.

ARECA LUTESCENS.

3 plants, 6 in. pot, 24 to 28 in.	$12.00 per doz. ;	$100.00 per 100.
3 " 8 " 36 in.	$3.00 each;	$36.00 per doz.
14 in., 8 to 9 ft., very bushy		$25.00 to $30.00.

COCOS WEDDELIANA.

1 plant, 2¼ in. pot, 8 to 10 in. high	$15.00 per 100.
1 " 3 " 10 to 12 "	20.00 per 100.
1 " 4 " 18 in. high	50 cts. each.
3 " 5 " 18 "	$1.00 each.

KENTIA BELMOREANA.

4 in. pot, 5 to 6 leaves, 15 in. high,	$4.50 per doz. ; $35.00 per 100.
6 " 6 leaves, 24 in. high,	$15.00 per doz. ; $125.00 per 100.
8 " 6 to 7 leaves, 30 to 32 in. high	$3.00 each.

KENTIA FORSTERIANA.

4 in. pot, 4 to 5 leaves, 15 in. high,	$4.50 per doz. ; $35.00 per 100.
8 " 6 leaves, 36 to 40 in. high,	$3.00 each ; $36.00 per doz.
8 " 6 " 48 to 50 "	$4.00 each ; $48.00 per doz.
6 " 5 " 24 to 28 "	$1.00 each ; $12.00 per doz.
6 " 5 to 6 leaves, 30 in. high,	$1.25 each ; $15.00 per doz.

All Measurement From Top of Pot.

JOSEPH HEACOCK, - - Wyncote, Pa.

Mention the Florists' Exchange when writing.

AT AUCTION

At 54 and 56 DEY ST., NEW YORK, 11.30 A. M. TUESDAY, OCTOBER 18th

One of the Finest Consignments of PALMS, BOSTON FERNS, RUBBERS, etc., ever offered. An opportunity to secure good salable stuff from prominent growers. Do not Fail to Attend.

LET US PUT YOUR NAME ON OUR LIST FOR CATALOGUES. WM. ELLIOTT & SONS, Auctioneers.

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant.

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL.

Vol. XII. No. 42. NEW Y[illegible] 20, 1900. One Dollar Per Year.

SEVERAL very large shipments of JAPAN LONGIFLORUM have arrived in very bad condition—more than half of the bulbs having been lost by heating. This large loss will make a scarcity in this article, and probably many dealers will be unable to fill their orders in full.

If you do not succeed in getting your full supplies, we have still to offer a fine lot of

5-7 Bermuda-Grown LONGIFLORUM

These bulbs are in splendid shape. We can offer them at **$14.00 per case.** 350 bulbs to the case.

WE ALSO HAVE A FINE STOCK OF

LILIUM HARRISII.

7-9 in. size is generally scarce, but we have a very fine stock of this size still on hand. These are a lot of bulbs that were left in the ground and dug late, and, in consequence, are in grand shape. Bulbs are plump, bright and clean, and are as fine a lot of Harrisii as any one would want to handle. We can supply these as long as unsold as follows:

5-7 inch, 400 bulbs to the case, only $16.00 per case.
7-9 inch, 200 bulbs to the case, only $18.00 per case.

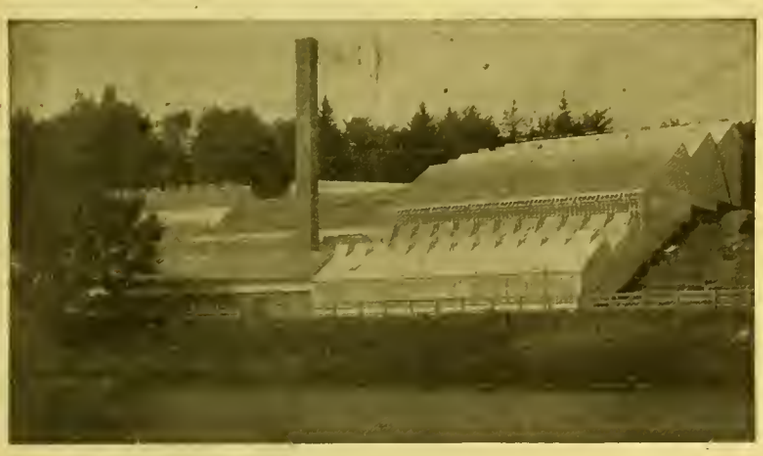
ORDER AT ONCE BEFORE WE ARE SOLD OUT.

We can also offer a fine stock of **WHITE ROMAN HYACINTHS**
Extra quality bulbs, 12-15 ctm., in case lots, 2,100 bulbs to the case, **$16.00 per 1000.**

PAPER WHITE NARCISSUS GRANDIFLORA Case lots, about 1,300 bulbs to the case, $7.50 per 1000.

☞ **Five per cent. discount from above-named prices when cash is remitted with order.**

F. R. PIERSON CO., Tarrytown-on-Hudson, N.Y.



Asparagus Plumosus Nanus

CUT STRINGS, 8 to 10 Feet Long **50** CTS.

W. H. ELLIOTT, BRIGHTON, MASS.

DUTCH ROMAN HYACINTHS

For Easter work as a small blooming pot plant or planted in clusters of 6 or more in one large pot there are few articles that sell as quickly and prove as profitable. We can give you all named kinds and colors that can be depended upon flowering simultaneously at **50 cts.** per dozen; **$3.00** per 100; **$25.00** per 1000.

Tulips Good named kinds, embracing all colors, useful either for forcing or bedding. Yellow, Rose, Crimson, White, Striped, Purple, Orange, etc., **One or all separate, 15 cts.** per doz.; **80 cts.** per 100; **$7.00** per 1000.

Chinese Sacred Narcissus First shipment just to hand. Per basket of 30 bulbs, **$1.50.** 4 baskets or mat of 120 bulbs for **$5.50,** or **$45.00** per 1000.

Japan Longiflorum Lilies Now ready for delivery, in splendid condition. One whole box sold at thousand rate.

5 to 7, 500 in box, **$20.00** per 1000. 7 to 9, 300 in box, **$50.00** per 1000.
6 to 8, 400 in box, **$30.00** per 1000. 8 to 10, 200 in box, **$80.00** per 1000.

Paper White Narcissus Grandiflora
Large bulbs, **80c.** per 100; **$7.50** per 1000; or one whole case of 1600 bulbs for **$10.**

Asparagus Plumosus Nanus Plants A very special lot, in 2½ inch pots, ready for 3's, **$40.00** per 1000; **$5.00** per 100; **75 cts.** per dozen.

Cyclamen Persicum Giganteum Specially choice English strain, New Crop Seed, just received. **Alba Perfecta,** pure white, very large; **Aigburth Crimson,** rich self crimson; **Crimson King,** splendid crimson; **Charming Bride,** pure white; **Giganteum,** pure white, tipped crimson; **Purple King,** intense purple crimson; **Peach Blossom,** delicate pale lilac; **Rosea,** pretty light rose; **Rosy Morn,** fine rosy purple, **$1.00** per 100 seeds; **$9.00** per 1000 seeds.

Wholesale Fall Catalogue for the Asking.

CLUCAS & BODDINGTON CO., 342 W. 14th St., N.Y. City.
Telephone, 461 18th.
Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS.

FIELD-GROWN CARNATION PLANTS

LAST CALL.

	Per 100	Per 1000
Mrs. Jas. Dean	$6.00	$50.00
Gen. Maceo	8.00	75.00
G. H. Crane	8.00	75.00
Marquis	12.00	
Gen. Gomez	5.00	40.00
Wm. Scott	5.00	40.00
L. McGowan	5.00	40.00
New York	6.50	
Frances Joost	7.00	

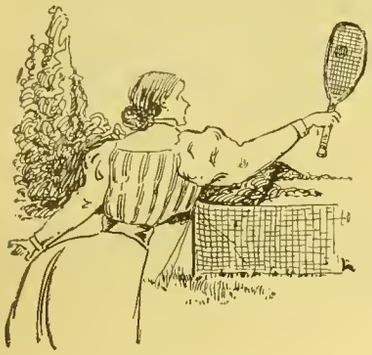
Asparagus Sprengeri. Strong 2-inch stock, $5.00 per 100; $40.00 per 1000.

Asparagus Plumosus Nanus. Fine plants from 2-inch pots, $5.00 per 100; $40.00 per 1000.

5 Per Cent. Discount if cash is sent with order.

THE COTTAGE GARDENS, Queens, L. I.
C. W. WARD, Manager.

SO EASY WHEN YOU KNOW HOW TO BUY.



LILY OF THE VALLEY
Case, 2000, $26.00.

SACRED LILIES
Basket, 30 Bulbs, $1.60.

LILIUM LONGIFLORUM
7 to 9, 100, $6.00. 9 to 10, 100, $9.00.

LILIUM CANDIDUM
100, $5.00.

W. ELLIOTT & SONS, New York.

Mention the Florists' Exchange when writing.

HIGH-GRADE BULBS!

LILIUM LONGIFLORUM

	Per doz.	Per 100.		Per doz.	Per 100.
5-7	$0.40	$2.50	8-9.....	$0.90	$7.00
6-8.....	.50	3.50	8-10....	1.00	7.50
7-9.....	.75	5.00	9-10....	1.25	8.50

JONQUIL (Campernelle), 75c. per 100; $5.50 per 1000

HYACINTHS, Single or Double, in Pure White, Blush White, Light Blue, Dark Blue, Pink, Red, $4.50 per 100; $40.00 per 1000.

NARCISSUS!

	Per 100	Per 1000
VON SION, first size.....	$1 50	$14 00
Double Nose.....	2 00	18 00
PAPER WHITE, large-flowering.....	1 00	7 50
TRUMPET MAJOR, Mammoth.....	1 00	9 00

FREESIA Pure White, 65 cts. per 100; $5.00 per 1000.

Send for Wholesale Catalogue.

STUMPP & WALTER CO., 50 BARCLAY STREET, **NEW YORK**

Mention the Florists' Exchange when writing.

HYACINTHS
Dutch, named, first size.
Dutch, first size, separate colors.

TULIPS
Extra Selected in Best Market Varieties.

NARCISSUS
VON SION, Mammoth Size.

CHINESE SACRED LILIES.

Prices Cheerfully Given on Large and Small Quantities.

F. W. O. SCHMITZ, Jersey City, New Jersey.

Mention the Florists' Exchange when writing.

LILIUM HARRISII
Early Roman Hyacinths
Special prices on application.
Sure Crop Mushroom Spawn NEW CROP, $8 per 100 lbs.
WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., NEW YORK.

Mention the Florists' Exchange when writing

Cyclamen Persicum Giganteum, Williams' fine mixed, 1 oz., $10.; 100 seeds, 50c.
Hardy Primulas, fine mixed, trade pkt., 25 cts.; Yellow Coucon, 20 cts.
Pansy, Giant, Mme. Perret, 1 oz., $4.00; trade pkt., 25 cts.; Cecile Davy, pure white, trade pkt., 25 cts.; Giant Trimardeau, fine mixed, 1 oz., $1.75; pkt., 20 cts.
Vinca, fine mixed, trade pkt., 20 cts.
BEAULIEU, Walker and Belmont Aves. **Woodhaven, N. Y.**

Mention the Florists' Exchange when writing

Commercial Violet Culture

Price, $1.50. Send for a copy.
A. T. DE LA MARE PTG. & PUB. CO., Ltd.
P. O. Box 1697, New York.

GERANIUM SEEDS!

Good Venture Mixture, 25 new, large flowering sorts, 50c. per pkt.; $5 00 per oz.; ¼ lb., $20 00.
Large Flowering, Splendid Mixed, 25c. per pkt.; $2.50 per oz.; ¼ lb., $8.00.
Large Flowering White, Pink, Souv. de Mirandn. $2.00 per 1000 seeds.
Mme. Bruant, Dark Crimson, Fleur de Poitevine. 50c. per 100 seeds.
Large Flowering Scarlet, with white eye, $1.75 per oz.; choice mixed, $7.00 per lb.
Double, Splendid Mixed (new), 25 seeds, 5°c.
Bronze and Gold. 25c. per pkt.; **Gold and Silver,** tri-color, 50c. per 100 seeds.
ASPARAGUS SPRENGERI, $3.00 per 1000 seeds; $25.00 per 10,000 seeds.
SMILAX, New Crop, 20c. per oz.; $2.00 per lb.

SEND FOR TRADE LIST.

MRS. THEODOSIA B. SHEPHERD,
Ventura-by-the-Sea, Calif.

Mention the Florists' Exchange when writing.

PALM SEEDS

Fresh on Hand.

Chamærops Excelsa (to 10 ft. lots at 30c.) per lb.,			40c.
Washingtonia Robusta.....	"		75c.
	Per 100	1000	5000
Erythea Edulis (Brahea Edulis)....50c.		$4.00	$18.00
Phœnix Canariensis.....		50c.	2.00
Phœnix Reclinata.....25c.		$2.00	8.75

GERMAIN SEED & PLANT CO., Los Angeles, Cal.

Mention the Florists' Exchange when writing.

High-Grade BULBS

for Forcing and Out-of-door Planting.

Our 1900 Wholesale and Retail Catalogues on application.

JAMES VICK'S SONS,
ROCHESTER, N. Y.

Mention the Florists' Exchange when writing

Japan Lilium Longiflorum

CHOICE SOUND STOCK READY FOR DELIVERY.

5 to 7 inch.....$20 00 per 1000
6 to 8 inch..... 30.00 per 1000
7 to 9 inch.....$50.00 per 1000
9 to 10 inch ..... 80.00 per 1000

CALIFORNIA CALLA While They Last.

About 4 inch in circumference { $4.00 per 100 F. O. B. NEW YORK. $30.00 per 1000 F. O. B. CHICAGO.

LILIUM HARRISII
EXTRA CHOICE

9 to 11 inch.....$18.00 per 100
11 to 13 inch..... 38.00 per 100

Now Ready: AURATUM, ALBUM, RUBRUM, MELPOMENE.

A complete line of HYACINTHS, TULIPS and NARCISSI, Fancy stock, at close prices. "The Best is the Cheapest."

Now ready, our Fall Catalogue. A postal card gets a copy.

VAUGHAN'S SEED STORE, 14 Barclay St., NEW YORK. 84 Randolph St., CHICAGO.

Mention the Florists' Exchange when writing.

To Clear Out
SURPLUS STOCK

Until Sold We Offer

L. HARRISII 5 to 7 inch, $24.00 per 1000. 7 to 9 inch, 68.00 "

WHITE ROMAN HYACINTHS Red Skin, 12 to 16 centimeter, $11.00 per 1000.

NARCISSUS Large, Trumpet Princeps, $8.00 per 1000.

250 Bulbs at 1000 rate. Cash with order.

HULSEBOSCH BROS., Englewood, N. J.

Mention the Florists' Exchange when writing.



HENDERSON'S SUPERIOR BULBS

LARGEST STOCK. LARGEST VARIETY. LOWEST PRICES, consistent with superior quality.

HENDERSON'S SUPERIOR

WHITE ROMAN HYACINTH BULBS.

Prices: { Second size, 11 to 15 ctm., $13.00 per 1000
First " 12 to 15 ctm., 17.50 per 1000
Extra " 13 to 15 ctm., 20.00 per 1000

LILIUM HARRISII (The True Bermuda Easter Lily)

In Splendid Plump Condition.

6 to 8 inch (the best florists' size), 200 bulbs to the case, $12 50 per case, $6 per 1000.

OUR WHOLESALE BULB CATALOGUE, for Florists Only, mailed on application.

PETER HENDERSON & CO.

35 and 37 Cortlandt Street, NEW YORK.



"I get more spikes of 'firsts' from your strain of White Romans than from any I ever grew before." A. S. WALLACE (Florist), Montclair, N. J.

"The Bermuda Easter Lily Bulbs I got from you (P. H. & Co.) are grand. In fact, every person who has seen them says they are the best ever seen in this part of the country; they are practically free from disease.'" LAWRENCE COTTER (Florist), Dorchester, Mass.

Mention the Florists' Exchange when writing.

SPECIAL BULB OFFER!

French White Roman Hyacinths.....12-15 cent., at $1.75 per 100; $16.00 per 1000
Double Von Sion Narcissus, large Double Nosed Bulbs.. 1.75 per 100; 16.50 per 1000
Paper White Grand Narcissus..... .75 per 100; 6.75 per 1000
Freesia Refracta Alba..... .50 per 100; 4.00 per 1000
Chinese Sacred Lilies.....per basket (30 bulbs), $1.50; per mat (120 bulbs), $5.50

JOHNSON & STOKES, Seedsmen, Philadelphia, Pa.
217 and 219 Market Street.

WILD CUCUMBER SEED

(ECHINOCYSTIS LOBATA)

We are the largest collectors in the West Special Fall price, 75 cts. per lb., 100 lbs. or more at 80 cts. Send cash or reference.

BARTELDES & CO., - Denver, Col.

Mention the Florists' Exchange when writing

PALM SEED

Kentia Belmoreana.

Fresh importation, just arrived in prime condition.

1000 at $4.60 per 1000; 5,000 at $3.75 per 1000; 10,000 at $3.50 per 1000.

JACKSON & PERKINS CO., Newark, New York.

Mention the Florists' Exchange when writing.

KENTIA SEED EXTRA OFFER!

To close out a Consignment we offer as long as unsold, fresh crop 1900 KENTIA BELMOREANA or FORSTERIANA, 1000 seeds, $3.00; single 100, postpaid, 60c. Guaranteed good germination.

FORCING BULBS, IN EXTRA FINE QUALITY.

HYACINTHS.

	12	100	1000
Early White Roman, 12-15	$0.25	$1.75	$16 00
Blue, Rose or Double Rose	.20	1.50	13.00
Dutch Hyacinths, first size, separate colors	.60	4.00	39.00
Named sorts, your choice	1.00	6 50	
Dutch Roman, named	.40	2.75	26.00

TULIPS.

Belle Alliance	.20	1.20	9.00
Keizerskroon	.15	1.25	10.50
La Reine	.15	1.20	10.00
Rose Grisdelin	.25	1.50	13.00
Yellow Prince, or Chrysolora	.25	1.30	11.00
La Candeur, etc., etc	.15	1.00	8.00
Single and Double, choicest mixed	.10	.75	6.50

NARCISSUS.

Paper White, XXX True Grandiflore	.15	1.00	7.50
Trumpet Major	.15	1.00	8.50
Poeticus Ornatus	.15	1.00	8.00
Von Sion, double nosed, XXX	.25	1.85	17.00
" extra large, fine	.20	1.40	13.00
" fine bulbs	.15	1.20	10.00
Single, Double and Trumpet, mxd.	.15	1.20	9.00

CHINESE Sacred Mammoth. Same brand we have imported for 18 years.
Original basket, 30 bulbs..... $1.50.
Mat of 4 baskets, 120 bulbs..... 5.00.

FREESIA Refracta Alba. A lot of select bulbs, 3/8-1/2 inch, offer as long as last at $1.50 a 1000 net, to close out.

Cyclamen Giganteum Persicum bulbs
Monster flowers; pure white, rose, crimson, white with red eye, rose with red eye.
per doz., $1.20; per 100, $8.00.

	12	100	1000
Bermuda Oxalis, fine	.10	$0.75	$5.00
Anemone, sin. and dbl., choic'st sorts	.20	1.00	9 00
Scilla Amœna and Siberica	.15	.75	5 00
Allium Neapolitanum	.10	.50	4 00

LILIES READY FOR DELIVERY.

	Per 12	100
Lilium Candidum 9-10 inch	$0 75	$5 00
Lilium Harrisii, 5-7 inch		4 00
" " 7-9 inch		8 50
	Per 100	1000
Lilium Longiflorum, 5-7 inch	$2 50	$20 00
" " 6-8 inch	3 50	30 00

LILIES—Continued.

	Per 100	1000
Lilium Longiflorum, 7-9 inch	$5 50	$50 00
" " 9-10 inch	8 50	80 00
	Per 12	100
Lilium Auratum, 8-9 inch	$0 60	$4 00
" " 9-11 inch	1 00	7 00
Lilium Rubrum, 8-9 inch	60	4 00
" " 9-11 inch	85	6 00
Lilium Album, 8-9 inch	75	5 00
" " 9-11 inch	85	6 00

1000 rates on application.

SEEDS IN SEASON Sweet Pea, in early forcing sorts, lb., 25c.
Smilax Seed, oz., 30c.; lb., $2.50.

STOCKS 10 weeks, cut and come again, in separate colors, mixed, trade packet, 25c.

PANSY Giant Exhibition, any color or sort, separate or mixed, 1000 seeds, 25c.; 5000, $1.



FERN BALL.

Japanese Fern Ball December delivery. Write for prices.
Order now, sure to be scarce. Get bona-fide long-leaved stock.

H. H. BERGER & CO. (ESTABLISHED 1878). **47 Barclay Street, New York.**
Mention the Florists' Exchange when writing.

FORCING BULBS

LILIES.

	Price Per Case
Auratum, 8-9 (130)	$6 50
" 9-11 (100)	6 50
Speciosum Album, 8-9 (125)	7 50
" Rubrum, 8-9 (125)	6 25
" " 9-11 (84)	5 75
" Melpomene, 8-9 (125)	7 50
" " 9-10 (100)	7 50
Longiflorum, 6-8 (450)	13 50
" 7-9 (300)	15 00
Candidum	Per 100, 5 50
" extra large	" 6 50

NARCISSUS.

	100	1000
Von Sion, selected large bulbs	$1 60	$15 00
" First size	1 40	12 50
" Second size	1 20	10 00
Poeticus	50	3 40
" Ornatus	1 00	9 00

NAMED DUTCH HYACINTHS
All the leading kinds.
$8.00 per 100; $57.00 per 1000.

DUTCH HYACINTHS, mixture, for forcing or bedding. All colors separate, $4.00 per 100; $39.00 per 1000.

SINGLE TULIPS.

	100	1000
Artus	$0 70	$6 25
Arms of Leiden	1 00	8 00
Bizarre Verdict	70	6 50
Cardinal's Hat	90	7 50
Chrysolora	1 25	11 00
Cottage Maid	1 20	11 00
Coulear Cardinal	2 25	21 00
Duchesse de Parma	75	6 75
Duc Van Thol Scarlet	85	7 25
L'Immaculee	90	8 50
La Reine	1 10	10 00
Keizerskroon	1 20	11 00
Pottebakker, white	1 25	12 00
" scarlet	1 00	10 00
Jagt Von Delft, pure white	95	8 00
Thomas Moore, orange	1 35	11 90
Purple Crown	85	7 20
Yellow Prince	1 40	12 00
Rose Grisdelin	1 50	14 00
White Swan	1 25	11 00
Single, Fine Mixed	65	6 00

DOUBLE TULIPS.

	100	1000
Duke of York	$1 00	$8 00
Murillo	2 25	20 00
Tournesol, red and yellow	1 60	14 50
Yellow Rose	1 00	9 00
Lady Grandison	1 25	11 00
La Candeur	95	8 50
Lady Palmerston	2 25	20 00

PARROT TULIPS.

	100	1000
Named varieties	1 00	9 25
Mixed	80	7 50

CROCUS, named varieties... 45 3 50
" mixed, separate colors 30 2 00
Montbretia Crocosmæflora.... 35 3 00

COLD STORAGE VALLEY.
Hamburg Pips, case lots of 1000.....$12.50

WILL RECEIVE THIS WEEK A Large Consignment of

AZALEA INDICA

Call and Inspect the Stock or Write for Prices. Ask for our List of Palms.

BOBBINK & ATKINS, Rutherford, N. J.

Mention the Florists' Exchange when writing.

ASTER | COSMOS | PANSY | SALVIA | ZINNIA
BEANS | CLOVER | GRASS | ONIONS | PARSNIP

SEED TRADE REPORT

AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Cincinnati, O., President; F. W. BOLGIANO, First Vice-President; S. G. COURTEEN, Milwaukee, Wis., Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

Appraisement of Seeds.

Editor Florists' Exchange.

The announcement in the FLORISTS' EXCHANGE for October 6, that I had been called to New York of an interview with the Custom House authorities, on the subject of appraisements of seeds, has brought me so many applications for information on the subject, that it is not possible for me to reply to each one individually; but if you will kindly insert the accompanying circular, which I am sending to the friends who do business with Cooper, Taber & Co., it will furnish all the information desired. Thanking you in advance for your courtesy.

S. B. DICKS.

On October 4, at the request of the Custom authorities in New York, I waited upon them in company with our legal advisers, Messrs. R. J. Godwin's Sons, who have made a special study of this question, to confer with them respecting the appraised values of seeds for the coming season.

As a result of the interview, I venture to suggest that, before making any entries of your imports, you should ascertain, through the courtesy of the Custom House officials at your port of entry, the values at which they are prepared to pass the goods, and to have your entries made in accordance therewith. By this means you will escape the penalty, which is 100 per cent. on the extra duties.

If you are not already aware of this fact, I may point out that the Act of Congress expressly states that the goods must be entered at the market value at the date of shipment.

I may further state that the American Consul in our country will only accept invoices which set forth the actual prices to be paid for the goods.

Respectfully yours,
S. B. DICKS,
Representative of Cooper, Taber & Co., Limited, London, England.

European Notes.

So far as atmospheric conditions are concerned Germany appears to have decidedly the best time, being quite free from either extreme. As a result, the crops which survived the hardships of the Summer, are giving very good results. This is especially the case with respect to flower seeds, the only exceptions thus far being Myosotis alpestris, single wallflower, and hyacinth-flowered kinds of larkspur; the late flowering branching sorts of the latter appear to be all right. Sweet peas seem to have cropped well, but mignonette is not so successful.

Asters promise a fine crop; the weather has been fairly baking them, and although there is a loss from drought in some localities, in dwarf sorts especially there is no fear of a short crop now, if the weather remains anything like it has been. Although at the present there is no complete setting of the seed, we find it so far set and full of body that we feel the crop is safe. EUROPEAN SEEDS.

CATALOGUES RECEIVED.

C. C. POLLWORTH Co., Milwaukee, Wis.—Price List of Palms and Ferns.

THE CONARD & JONES CO., West Grove, Pa. Illustrated Catalogue of Plants, Bulbs, Small Fruits, etc.

KING'S ACRE NURSERIES, Hereford, Eng.—Trade Catalogue of Fruit Trees, Roses, and General Nursery Stock.

XXXX

CYCLAMEN GIGANTEUM SEED

The finest giant flowering varieties, in choicest mixture, pkt., 200 seeds $1.00; half pkt., 50c.

JOHN F. RUPP, Shiremanstown, Pa.
The Home of Primroses.
Mention the Florists' Exchange when writing.

PRIVET

	100	1000
18 to 24 in	$2.50	$22.50
2 to 3 ft	3.50	30.00
3 to 4 ft	5.50	50.00

	100	1000
Hydrangea P. G., 2 to 3 ft.	$7.00	$ 70.00
" " 3 to 4 ft.	10.00	100.00
Clematis Paniculata, No. 1,	7.50	70.00
" " Extra,	9.00	80.00
Ampelopsis Veitchii, No. 1	6.00	50.00
" " Extra,	8.00	75.00

Hardy Herbaceous Plants, in large variety

Crimson, Yellow, White and Pink Ramblers.

SEND FOR WHOLESALE LIST.

ELIZABETH NURSERY COMPANY,
ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

BURPEE'S SEEDS
PHILADELPHIA
WHOLESALE PRICE LIST FOR FLORISTS AND MARKET GARDENERS

Mention the Florists' Exchange when writing.

DANISH CAULIFLOWER SEED

Early Dwarf Danish Snowstorm. Selected by the leading grower of Denmark, during a quarter century. Always uniform; fine, large white heads, the acme of perfection. One quality only—the best. **$15.00 a lb.** Orders booked now for November delivery.

A. E. WOHLERT, Importer, ALTOONA, PA.

Mention the Florists' Exchange when writing.

HELLER'S MICE PROOF SEED CASES.

SEND FOR CATALOGUE.
HELLER & CO., Montclair, N.J., U.S.A.

Mention the Florists' Exchange when writing.

ESTABLISHED 1802

THORBURN'S SEEDS

BULBS NOW READY:

	Per 1000
Lilium Longiflorum Japan, 5 to 7 in.,	$20.00
" " " 6 to 8 "	30.00
" " " 7 to 9 "	50.00
" " " 9 to 10"	90.00
" Harrisii, 7 to 9 in., per 100, $8.50	75.00

Dutch Hyacinths, Narcissus, Tulips, etc.

Wholesale Bulb Catalogue mailed on application.

J. M. THORBURN & CO.
Late of 15 John Street
36 CORTLANDT STREET, NEW YORK

Mention the Florists' Exchange when writing.

FOR FORCING

Magna Charta, Paul Neyron, Ulrich Brunner, low budded, on Manetti, $8.50 per 10; **Crimson Rambler,** 4 to 5 ft., heavily branched, $15 per 100. **Evergreens for Vases,** 15c. and upwards. **Privet,** 3 to 4 ft., $40 per 100; 6 to 8 ft., $15 per 100. **Smaller sizes if wanted.**

HIRAM T. JONES, Union County Nurseries, **Elizabeth, N. J.**

Mention the Florists' Exchange when writing.

OCTOBER PURPLE PLUM!

The best of all Burbank Plums. We have a large and fine stock of trees, one or two year's old on Plum and Peach stock. Address

STEPHEN HOYT'S SONS, New Canaan, Conn.

Mention the Florists' Exchange when writing.

VEGETABLE PLANTS

CABBAGE H. Succession, Flat Dutch, Jersey and Charleston Wakefield, 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

LETTUCE Grand Rapids, Curled Simpson, Boston Market and other varieties, 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

PARSLEY Good curled extra strong, 25c. per 100; $1.50 per 1000.

CAULIFLOWER H. Snowball, 35c. per 100; $2.50 per 1000.

If wanted by mail add 10c. per 100 on Cabbage, Lettuce and Cauliflower. 25c. per 100 on Parsley. Cash with order

R. VINCENT, JR. & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

KOSTER & CO.

Hollandia Nurseries, · BOSKOOP, HOLLAND.

Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Pæonies, Pot-grown plants for forcing, **Rhododendrons, H. P. Roses, etc.**

No Agents. Catalogue free on demand. No Agents.

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PÆONIES Choice collection of ten varieties, from pure white to crimson. Indispensable to the florist for Decoration Day. Doz., $1.50; $10.00 per 100.

CLEMATIS, large-flowering, also Paniculata; a large stock, two-year, 20 varieties. Doz., $2.00; $16.00 per 100. Paniculata, field-grown, $8.00 per 100.

JOSSELYN, Gooseberry, one year, $3.50 per 100; $30.00 per 1000.

H. P. Monthly and Moss Roses, leading kinds, strong, field-grown plants.

F. A. BALLER, Bloomington, Ill.

Mention the Florists' Exchange when writing.

F. & F. NURSERIES

SPRINGFIELD, NEW JERSEY.

Wholesale Growers. **TREES AND PLANTS** in full assortment. **Trade Catalogue Free.**

Mention the Florists' Exchange when writing

TREES

Fruit Trees, Small Fruits, including grapes. **Ornamental Trees, Evergreens** and **Shrubs** for public and private grounds. **Shade Trees** for streets. **Hardy Roses, Hardy Plants, Climbers,** etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. **Rochester, N. Y.**

Mention the Florists' Exchange when writing.

HALF-MILLION FLOWERING SHRUBS

Leading popular varieties, ranging from 1 to 3 feet in height, and 1 to 4 years in age. Adapted to all locations.

50,000 LARGE FLOWERING SHRUBS, from 4 to 7 feet, bushy, symmetrical, fine and thrifty excellent for **new plantings** where **immediate effect** is desired.

BARGAINS in these by the quantity, as land must be cleared.

NURSERIES { 30 Miles from Phila. / 60 Miles from N. Y.

THE WM. H. MOON CO., Morrisville, Pa.

Philadelphia Office: 702 Stephen Girard Building.

Mention the Florists' Exchange when writing.

ANDORRA NURSERIES

Red and Pin Oaks, 10 to 14 feet
Hemlocks, 4 to 6 feet

TRANSPLANTED SPECIMEN TREES.

WILLIAM WARNER HASPER, Prop., Chestnut Hill, Philadelphia, Pa.

Mention the Florists' Exchange when writing.



I HAVE 25,000 SHADE TREES—SUGAR, NORWAY, SYCAMORE, ASH-LEAVED and SCARLET MAPLES, 1½ to 3 inch diameter. ELMS, 12 to 16 ft. 2000 WHITE BIRCH and PURPLE BEECH, 5 to 10 ft. EVERGREENS, all kinds and sizes. 2000 COLORADO BLUE SPRUCE and RETINOSPORA AUREA, 3 to 5 ft. 2000 HYDRANGEA PANICULATA GRANDIFLORA, extra sizes. Plenty CRIMSON RAMBLER and other ROSES, extra strong. 20,000 CALIFORNIA PRIVET, 2 to 5 ft. FRUIT TREES, all kinds, many in bearing sizes. RHODODENDRONS and AZALEAS, extra strong, 2 to 3 ft. Also 1000 SILVER LEAVED MAPLES, 12 to 16 feet.

Florists, landscape men and others wanting stock should call or write

STEPHEN CRANE, Prop'r. Norwich Nurseries, **NORWICH, CONN.**

Mention the Florists' Exchange when writing.

ESTABLISHED 1864.

ASPARAGUS ROOTS

We have to offer 100,000 PALMETTO, 400,000 CONOVER'S COLOSSAL ASPARAGUS ROOTS, also 150,000 BARR'S MAMMOTH, all strong, vigorous 2 year old roots, and are now prepared to receive orders for delivery in the Fall of 1900 and Spring of 1901.

Also choice varieties of

MELON, TOMATO, CABBAGE, CUCUMBER, SUGAR CORN, EGG PLANT and PEPPER SEED, RHUBARB ROOTS, HORSE RADISH SETS and STRAWBERRY PLANTS.

WILLIAM R. BISHOP,

Seedsman,

Send for Price List. **BURLINGTON, N. J.**

Mention the Florists' Exchange when writing.

HYDRANGEAS

3 to 6 crowns..... $6.00 per 100.
6 to 12 crowns..... 10.00 "

RUBBERS 30 inches high, $5.00 per doz.

CHAS. IFFINGER, P. O. Box 162, Ozone Park, L. I.

Mention the Florists' Exchange when writing

SURPLUS FOR SPRING 1900

Can yet do **PEACHES** and **JAPAN PLUMS** in limited quantity; also **MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY STRAWBERRIES** from best leading varieties. Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.

ALEX. PULLEN, PROPRIETOR.

Mention the Florists' Exchange when writing.

Yucca Filamentosa

Fine, large plants, **$10.00 per 100.**

SAMUEL C. MOON, Morrisville, Pa.

BUCKS CO.

Mention the Florists' Exchange when writing.

To the Trade.

2000 ENGLISH IVIES

Strong plants, from 4 in. pots, $15.00 per 100.

A No. 1 SCOTT CARNATIONS
$5.00 per 100.

SELAGINELLA
From 3½ inch pots, $5.00 per 100.

64 SASHES 3 feet by 6 feet, 7 inch by 9 inch glass, good for frames making a house 10 feet by 100 feet; $65.00 for the lot.

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS,	AZALEAS,
SPIRÆA JAPONICA,	LILIUM SPECIOSUM,
PÆONIES,	BLEEDING HEART,
POT GROWN LILACS,	HYDRANGEA IN SORTS.

CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing.

HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 Crowns.

Otaksa, Red-Branched, Thos. Hogg,

Price, $10.00 per 100; $85.00 per 1000.

Send for our wholesale Price List of Roses, Clematis, Shrubs, Trees, etc., etc.

Our representative, **Mr. J. Austin Shaw,** is now in New England, and we should be pleased to have him call upon prospective purchasers of any stock in our line.

JACKSON & PERKINS CO., Newark, New York

Mention the Florists' Exchange when writing.

100,000 VINES

AMPELOPSIS QUINQUEFOLIA, X strong, field-grown, 2 and 3 years, $5 00 per 100; $40.00 per 1000.

AMPELOPSIS VEITCHII, strong, 2 year, field-grown, $5.00 per 100; $45.00 per 1000. Strong, 3 years, from 4 in. pots, $8.00 per 100.

CLEMATIS PANICULATA, strong, field-grown, 1 year, $3.50 per 100; $25.00 per 1000. 2 years, $5 00 per 100; $40.00 per 1000. 3 years, $8.00 per 100; $75.00 per 1000.

CLEMATIS FLAMMULA, X strong, 3 years, $6.00 per 100.

EUONYMUS RADICANS VARIEGATA, strong, 2 and 3 years, $6.00 per 100; $50.00 per 1000.

IVY, ENGLISH, strong, 1 year, field-grown, 2 to 3 ft., $5.00 per 100; $40.00 per 1000. Strong, 1 year, from 4 in. pots, $8.00 per 100; $70.00 per 1000.

HONEYSUCKLE, HALL'S JAPAN, strong, 2 years, field-grown, $5.00 per 100; $40.00 per 1000. X strong, 3 years, field-grown, $6 per 100; $50 per 1000. Samples sent on application. Address

Mount Airy Nurseries, 7356 Germantown Ave., **Phila., Pa.**

THADDEUS N. YATES, Proprietor.

Mention the Florists' Exchange when writing.

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN.

THEODORE J. SMITH, Geneva, N. Y., President; N. W. HALE, Knoxville, Tenn., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

F. W. Taylor, of the Pan-American Exposition, Department of Horticulture, sailed for Paris, France, Thursday of last week, for the purpose of securing the most desirable novelties, shown at the French Exposition.

Pine Island, Minn.—Nurseryman Fryer is building a storage cellar and packing house, 24 x 86 feet.

Rutherford, N. J.—Bobbink & Atkins have received, for an order, 24 bay trees, among the largest ever brought to this country. Also 50 large specimen orange trees, a consignment of 20,000 azaleas, and a quantity of palms.

Geneva, N. Y.—S. D. Willard has accepted the position of manager of the horticultural exhibit of the Pan-American Exposition at Buffalo, next year.

Pueblo, Col.—The collecting of seeds of the red and white spruce trees is developing into an important industry on North Creek, near Beulah. The seeds are sent East to dealers, who retail them to nurserymen.

Pruning Evergreen Hedges.—Inquiries are frequently made as to the proper time to prune evergreen hedges. The work of pruning should never be deferred until the approach of cold weather. The clipping of outside branches exposes the inner and weaker ones, which from their confined position have not been able to perfect themselves, and sudden exposure to freezing weather injures them. This is often seen when two ever-

PARSLEY

Large field-grown clumps, 75c. per 100; $5.00 per 1000.

LETTUCE, Grand Rapids, Boston Market, and others, 15 cts. per 100; $1.00 per 1000.

TOMATOES, true forcing, 25c. a 100; $2 00 a 1000

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

SURPLUS SHADE TREES

		Feet.	f. o. b.
100 Norway Maple		10 to 12,	ca. 30c.
100 Sugar	"	10 to 12,	" 30c.
100 Sycamore	"	10 to 12,	" 25c.
100 Silver	"	10 to 12,	" 16c.
100 Carolina Poplar		10 to 12,	" 15c.
100 Lombardy	"	10 to 12,	" 15c.

Handsome trees, good enough for any purpose. Other sizes also.

W. P. BRINTON, - Christiana, Pa.

Mention the Florists' Exchange when writing.

FRUIT and ORNAMENTAL TREES,
Shrubs, Vines and Roses

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., Geneva, N. Y.

Mention the Florists' Exchange when writing.

IRISH JUNIPER

12 to 15 inches	100,	$5.00;	1000, $40 00
15 to 18 "	"	7.00;	" 50.00
18 to 24 "	"	10 00;	" 75.00
24 to 36 "	"	12 00.	
36 to 48 "	"	15.00.	

Juniperus Compacta, new dwarf, 12 inch, 50c. each; $5 00 per dozen. Rooted cuttings of Irish Juniper ready in May, 1901. $20.00 per 1000.

JOSEPH HEINL, Jacksonville, Ill.

Mention the Florists' Exchange when writing.

American Tree Seeds

Our **Descriptive Catalog** of American seeds is just out. **Ask for it.**

Our Folder, **"How to Make Tree Seeds Grow,"** free with every order.

PINEHURST NURSERIES, Pinehurst, N. C.

Otto Katzenstein, Mgr.

Mention the Florists' Exchange when writing.

THE BUYERS' PAPER.

The paper that pays advertisers best is the one read by the most buyers. The Buyers' Paper among the horticultural trades is The Florists' Exchange.

TO BE OR NOT TO BE, IS THE QUESTION

If you expect to Exist on Protracted Ledger Accounts the answer will be in the Negative.

To get a move on some surplus bulbs, I offer to **cash-with-order-buyers** a few remaining cases of **BERMUDA-GROWN LILIUM LONGIFLORUM, 5-7,** at **$10.00 per case of 400 or $20.00 per 1000. Bulbs in fine, healthy condition.** And many other bulbs, among which are a limited number of cases **Narcissus Paper White Grandiflora** at **$6.75 per 1000**; in 10,000 lots at **$6.60 per 1000.**

10,000 AMERICAN ROSES ON OWN ROOTS, in trade sorts, 2 year, strong, northern field-grown. Also a few thousand strong, 1 year, to be shipped within 10 days from date of purchase.

80,000 HARDY HOLLAND ROSES, H. P., Crimson Ramblers, etc., for Fall or Spring delivery.

C. H. JOOSTEN, Importer, **35 Dey St., New York.**

Mention the Florists Exchange when writing

greens are growing close together. Remove one of them and plant it apart, and where the branches had interlaced injury will occur should sudden cold come. Pruning late in the season acts in the same way. The work should not be done later than a month at least in advance of freezing weather. Early Spring is a good time to prune an uneven evergreen hedge, or one getting too large. But do not prune below live foliage, as it is difficult to induce evergreens to break afresh from old wood. This, and another pruning in midsummer, is usually sufficient, though where bushiness is much desired, two Summer prunings may be given.

Planting Magnolias.—It is recognized among planters that magnolias will not succeed planted in Autumn. Just why is not clear, but both these and the tulip tree, Liriodendron tulipifera, must be set in Spring. These fleshy rooted trees object to disturbance of the root at that season, evidently. Indeed, even in Spring their removal is attended with more risk than most other shrubs run. To obviate this nurserymen are growing them in pots and boxes. In this shape they can be planted at any time, no disturbance of the root occurring, and no risk of dying run.

Hardy Orange.—Were it not for its bitter tasting fruit, the hardy orange, Limonia trifoliata, would be deemed one of the most valued of recent introductions and a ready seller. It is actually hardy, perfectly so as far north as New York City, and fairly so still farther north. Early in Spring it is clothed with large "orange blossoms" which, though attractive, are not sweet scented, or only to a very small degree. Its desirability in the way of ornament comes from its numerous "oranges," which ripen early in October, and last until freezing weather comes. For the ornamentation of grounds in the way of berry-bearing shrubs and trees, there are always inquiries, and among those with beautiful fruit none will be more popular than this orange. The fruit is quite round, or nearly so, and about four inches in circumference. While it would make a most ornamental pot plant, its extremely long, stiff spines might be an objection to this use of it. In the South it is very popular as a hedge plant, because of its rigid growth and thorny nature. There is no doubt, whatever, that it is well adapted for this purpose.

Callicarpa Purpurea.—Among shrubs noted for their beautiful berries in Autumn, it would be difficult to name one better than Callicarpa purpurea. Though rare in collections, it is not a new shrub. It is of a half shrubby nature, its shoots dying back about half their length in Winter. Because of this it has not a nice appearance in Spring, and this is why nurserymen do not sell many of these plants. But the one who understands its nature and cuts it back still farther than it has gone naturally, lays the basis of one of the loveliest of Autumn shrubs. Strong shoots follow the pruning, which bear clusters of quite small, greenish colored flowers in Summer, along the whole length of the shoots. Clusters of berries succeed, which change in time to a violet-purple color, perfection being reached in the early October days. The weight of berries bends over slightly the slender shoots, the whole forming a graceful and beautiful object. If florists would obtain some of these plants in the Autumn, cut them down nearly to the ground, heel them in well in some sheltered place outside and pot them in Spring, they would have lovely ornamental plants by the coming Autumn. No need to force them; in fact, Fall blooming or berry-bearing plants cannot be perfected indoors in Winter. Pot them and plunge the pots to their rims in Spring in the full sun, outdoors. Placed in a greenhouse in August, the berries would perfect themselves quickly, and in a short time the plants would be ready for customers. I am sure it would meet a quick sale in large cities.

JOSEPH MEEHAN.

The Forest Nursery: Collection of Tree Seeds and Propagation of Seedlings.—During the last 12 years the United States Department of Agriculture has received from farmers and other landowners a very large number of letters asking how to procure tree seeds and how to raise seedlings. For the purpose of supplying the desired information the Department has prepared, and has now in press, Bulletin No. 29, Division of Forestry, entitled "The Forest Nursery: Collection of Tree Seeds and Propagation of Seedlings." The bulletin was prepared by Geo. B. Sudworth, Dendrologist of the Division of Forestry.

It gives the regions of seed supply, a list of market prices for tree seeds, names the seeds desirable to collect, when and how to collect them, the manner of storing and the means used for testing their vitality. The propagation of tree seeds is similar to that of garden seeds, and there is practically no difference in the care and soil necessary for the best results from either class of seeds. Given a moderately rich, gravelly, or sandy, porous, moist soil, within the proper range of temperature, any tree can be propagated from the seed and made to live for a longer or a shorter time. Natural seeding is too often uncertain, because the necessary conditions for germination are perfect only by chance, and where the planter's purpose is to produce useful timber without loss of time, natural seeding is not to be depended on. Direct planting of sufficiently advanced nursery stock has the advantage over natural seeding of establishing more quickly and with greater certainty only such timber trees as are wanted. The bulletin shows that planting tree seed with cultivated crops, or sowing broadcast on prepared and unprepared land is uncertain, giving less uniform results than planting nursery-grown seedlings; that seed-bed culture requires the least labor and produces the most and best stock; that the seed bed should be located on a well-drained site, and that a deep, sandy loam soil is preferable. Propagating trees from cuttings, wintering and transplanting seedlings, care of nursery stock and use of wild seedlings, are other matters which receive attention.

The bulletin will contain a list of useful timber trees to plant, and will be illustrated with 5 plates and 11 text figures.

A limited number will be for sale by the Superintendent of Documents, Union Building, Washington, D. C.

WILLIAMSPORT, PA.—Evenden Bros. are building three houses, each ¾ span 51x155 feet, for carnations; they have several such, and find them ideal structures in which to grow the divine flower. Butted glass is the method of glazing throughout. W. J. Evenden, at time of my visit, had just returned from his first trip to Europe, where he met that grand old man, Henry Cannell, who was delighted to show his magnificent collection of begonias and pelargoniums, but was forced to admit his "pinks" were not in it. Carnations have done splendidly here this Summer, and what stock is left out in the field—Bradt, Scott, Bon Ton, Crane and Flora Hill—is remarkably vigorous. A larger stock of chrysanthemums than usual is in excellent shape and cannot fail to attract purchasers. W. M.

NOTES BY THE WAY.

RICHMOND, IND..—E. G. Hill & Co. are first in the market here with white and yellow Fitzwygram chrysanthemums, being able to cut these on September 25. This firm does not grow so many chrysanthemums as formerly, but what there are look fine. The same remark applies to young roses—a smaller assortment, but in larger numbers. For example, there are about 15,000 Crimson Ramblers in small pots. Liberty is looking as well here as at any place I have seen it in the West. It is a victim to black spot, but seems to improve, and will doubtless come out all right soon. A large collection of begonias, zonal geraniums, etc., for next Spring, gives promise that this part of the business will be extensive, as a commodious office building is under construction.

FORT WAYNE, IND.—W. J. & M. S. Vesey have finished a new range of carnation houses that are models of their kind. They face the south, hardly ¾ span, being 12 feet on one side and 14 feet on the other; each 200 x 23 feet, with four paths. Tile drainage is in every house, each of which is ventilated from both sides of ridge. Tea roses are grown extensively, all on own roots. The grafted idea has not found favor among many of our Western growers. Several beds of Bride and Bridesmaid are being tied down, second year's growth. Chrysanthemums are very strong, but rather late. Some kinds of carnations have not done well outdoors, but seem to have caught on quickly since the cool spell.

At the Chestnut Slope Greenhouses I found Miss Flick overseeing the planting of carnations, which are a grand lot—not a poor plant among them. Several new houses were added during the Summer, it being the intention to enlarge the retail trade, a branch having been opened at Toledo, a handsome corner store finished in white and gold. I noted a very healthy frame of violets, Marie Louise and Lady Campbell, lately lifted from the open ground, (elsewhere Balsley's bottomless pots are largely used, and with considerable success). Part of a bench was planted in a compost of soil and spent hops, which had lain about one year. The plants growing in this mixture were fully one-half larger than those grown in ordinary soil. About one inch depth of compost is enough. Meteor and tea roses are well grown. Miss Flick is a firm believer in butted glass.

LOGANSPORT, IND.—J. A. Newby was finishing the glazing of a new rose house when I called, and says never more will he butt a pane of glass. He has made many changes in his plant during the Summer, and regrets these were not completed in time to plant carnations early. The plants suffered much toward the end of the growing season. To offset this drawback his roses have done splendidly; he is cutting right along. His plan is to grow the plants in three-inch pots from one season to the other, placing them under the bench during the Winter, and planting them out just as soon as the houses are cut over in Spring. This year he planted June 20, and is cutting as good as one could wish. The plants broke away immediately.

PERU, IND.—F. B. Tinker has his houses planted. The stock looks well. Some varieties of carnations have suffered, chiefly whites; Peru came out well. I noticed this variety has stood the Summer well in almost every locality.

LANSING, MICH.—J. A. Bissinger has added to his plant during the Summer, and has everything in running order for an anticipated thriving Winter business.

MILWAUKEE, WIS.—Currie Bros. report a first-class season right through. The bulb business is larger than ever.

WESTERLY, R. I.—I found S. J. Reuter looking over the started plants of Lilium Harrisii. Some disease is seen but much smaller in extent than last year at this time when the plants were in a similar stage of growth. Several thousands are in 4-inch pots, being held until chrysanthemums are over, when these lilies are planted on the bench. Grown in this way for cutting they are a success.

The best white chrysanthemum is Willowbrook, coming in ahead of Bergmann—a large flower, very free, with fine foliage. Stock is somewhat limited this season, but growers who are looking for a first-class early white should make a note of this variety. Roses are in splendid condition; in fact, with the airy houses, rich soil and careful attention afforded they could hardly be otherwise. The majority are grafted, Mr. Reuter being thoroughly convinced that this method is the best. Both systems are illustrated in the same house. I noted a bench of Bon Silene which was fully double the size, in grafted stock, of that grown on own roots. A practice here is to grow Bride and Bridesmaid one year on the bench, then transplant into solid beds, where the plants are grown for several years. One house, run on this plan, has been in constant crop for three years. The new rose Liberty is a failure on own roots here, but grafted plants are very promising. Sunrise is doing splendidly. Mr. Reuter finds a good demand for it, also for Golden Gate, which as here grown is a fine rose and will be yet more widely known and appreciated.

It seems a sacrifice to throw out a house of Meteor in full crop at this time, but it has to be done to make room for another modern house, 200x22 feet, the regulation size at this establishment, almost full span, 14 feet high at ridge with cement walls for solid beds. Both roses and carnations are being grown by many of our leading cultivators on this plan.

Of the new varieties in carnations Estelle is the finest scarlet; it has done well outside and is very promising. Morning Glory is highly in favor. It is a beautiful pink. Victor is fine. Ethel Crocker bids fair to be all that has been claimed for it. The Marquis and Mrs. Lawson are in the race. Olympia is slow to color up; there is a profusion of bloom, but the color is very pale. Peru is early and free. Elm City is a good white. White Cloud and Flora Hill are standards. A pink sport from the last named, grown three years, is highly thought of here, and in Boston. Daybreak is grown for a standard pink; it is hard to beat as grown by Louis Reuter. Eldorado is best when carried through the Summer in pots.

Mr. Reuter is looking for another site upon which to erect a plant equal in size to that which he already has. One of the principal roses to be grown is Kaiserin, which fairly luxuriates under the conditions prevailing in this well-kept establishment.

NEW HAVEN, CONN.—Smith T. Bradley will give his annual chrysanthemum show, and is making preparations for an extensive exhibition, as the proposed show to be given by the Horticultural Society has been abandoned.

John Doughty, the successful gardener to Mr. J. E. Hubinger, has purchased two acres of land, and let a contract to Hitchings for a range of glass, intending to launch out in business. His location is in a desirable section of the city, and his efforts to cater to the retail trade will doubtless meet with success.

NEW LONDON, CONN.—John Spalding has an excellent stock of chryeanthemums in pots and on the bench. He reports a good Summer business. The grand old man is in his 86th year, and apart from an affection of eyesight, is as vigorous as ever. W. M.

CLASSIFIED ADVERTISEMENTS.

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent, also Second-hand Materials.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED.

MAN, 34, German, understands gardening, horses, furnace, greenhouse, wants situation. X T., 159 E 22d St., New York

SITUATION wanted as foreman; all around grower, roses, carnations, violets. Foreman, 309 S. Laurel St., Richmond Va.

SITUATION wanted by young man, 2 years' experience at pot plants and driving. Henry Bauer 385 East 10th St., New York.

WANT situation as gardener or fireman; best reference; 12 years' experience. P. Maber, 294 Pequonnock St. Bridgeport, Conn.

SINGLE man, 23, wants situation in business or private place; 9 years' experience in all branches; best references. A. G. Florist, Post Office, New Rochelle, N. Y

YOUNG man wishes position with first-class florist; 11 years' experience as salesman and maker-up. New York City preferred. Z. O., care Florists' Exchange

FIRST-CLASS maker-up and decorator wants position as assistant in city florist store, or commercial place; can produce references. Z. L., care Florists' Exchange.

YOUNG man desires position as assistant or salesman in retail or wholesale florist store, this city; slight knowledge making up; small salary starting Z M, care Florists' Exchange.

GARDENER, well experienced in all branches of horticulture, wants position for the winter months or if satisfactory place will stay. A. B., care Siebrecht & Son, 409 Fifth Ave., New York.

SITUATION wanted by a young man, single, age 25; 7 years' experience in growing high-grade roses, carnations, palms, ferns and bedding stock; A1 references Z J, care Florists' Exchange

FOREMAN or good assistant; can handle all kinds of decorative plants, including orchids, roses, carnations, etc.; commercial or private; first-class references; middle aged. Z K care this paper.

SITUATION wanted by a good cut-flower grower, as working foreman or take charge of section; German, single, age 33; life experience; best of references. "Florist," 129 Forest Avenue, Flushing, N. Y.

FIRST-CLASS florist and landscape gardener wants position in commercial or private place; German, married, 14 years' experience in all branches of the business. Z. C., care of Florists' Exchange.

SITUATION wanted as manager or foreman; capable of taking entire charge of a large plant; 26 years' experience; single; first-class references; state wages, etc. D. P. N., 249 N. 10th Street, Philadelphia, Pa.

$25.00 will be paid to any person who will secure me a situation as gardener and florist and care of private place; reference as regards ability, honesty and sobriety; state wages, etc. Box 1010 Kings Park L. I., N. Y.

I WANT position as foreman with some first-class concern not further east than Chicago. Have held such position in large establishments to satisfaction of my employers, and can furnish good references. J. N. Jakobsen, 2001 East Colfax Ave., Denver, Colorado

SITUATION wanted by a good practical grower of cut flowers and general stock, as working foreman; 33 years of age, 18 years' experience, has been with the best growers in this country and Europe; first-class references. Address S. P., gen'l P. O. delivery, Madison N J.

HELP WANTED.

WANTED—A young man to attend fires who has had a year's experience in greenhouses. Address, 65 Wendel Street, Battle Creek Mich

WANTED—An assistant; roses, carnations, violets, etc; married men; wages, free house and $8.00 per week; when applying give references. John Rock Bridgeport, Conn

WANTED—A second man to grow violets and carnations; wages, $45 00 per month and lodging, without board; single men. Address Thos. Roland Nahant, Mass.

WANTED—A first-class rose grower as working foreman, one competent is required to take full charge; good reference required from last employer. Address P O Box 99 Madison, N J.

WANTED—On commercial place, at once, man who thoroughly understands growing bedding plants and cut flowers, one who has grown for New York trade preferred. State experience and reference. Address Cooke & McCord, Tarrytown, N. Y.

FOREMAN wanted for range of 175,000 square feet of glass; must be a man of unquestioned ability and character, and an up-to-date grower, accustomed to handling men where roses, carnations, palms, ferns, 'mums, bulbous and bedding stock are grown; permanent position for right party. J. F. Wilcox, Council Bluffs, Iowa.

CHANGES IN BUSINESS.

SYCAWAY VILLA, N. Y.—John Pickering has started in the florist business here.

MONTPELIER, VT.—R. G. Robinson has sold his cut flower business to Ernst Jacobson.

RICHMOND, VA.—Mrs. M. M. Eby has rented a store at 909 East Main street, and will shortly open a floral establishment there.

POUGHKEEPSIE, N. Y.—John K. Phesay, formerly in the employ of M. J. Lynch, has started in business at the corner of South avenue and Livingston street.

TOLEDO, O.—The firm of Crane Bros. has been dissolved, and will be succeeded by H. J. Crane & Son.

Crane, Reihing & Crane have started in business here.

Urbana, Ill.—S. A. Forbes, State Entomologist, announces that the annual inspection of Illinois nurseries has been completed. There are 245 nurseries in the state, 11 less than last year. The average cost of inspection this year was $3.74, against $5.53 last year.

MISCELLANEOUS WANTS.

WANTED—Hotbed or greenhouse sash, or greenhouse for removal H F Burt, Taunton Mass.

WANTED—Second-hand Hitchings Boiler, No. 16; must be in good order; state how long in use Ch s. Reinert, Etna Bergen Co., N J.

WANTED—Violet grower to supply me with violets during season 1900-01; state price per 1000 for the whole season. Address Z. D. Cash, care of Florists' Exchange.

BUSINESS OPPORTUNITIES.

FOR SALE—Four greenhouses well stocked with carnations, heated by hot water; 14 miles from New York; good business; all in good condition. Address Z E, care Florists' Exchange.

RANGE of greenhouses containing 5,500 sq ft. of glass, all in good order; good retail trade, situated 3 miles from New York City; for sale at reasonable price; owner retiring from business. Address Z N, care Florists' Exchange

FOR SALE—Owing to the death of the owner, small green house and stock, in a prosperous Southern City of 25,000; only business of the kind in City; no reasonable offer refused; correspondence invited. Foster Carter, Shreveport, La.

STORE to let. West side, 2783 Broadway, between 107th and 108th Sts. Opportunity to establish good business in high-class residential and apartment district. Inducements to responsible party. Worth investigation. Apply on premises, Offinger

FOR SALE—GREENHOUSE PLANT OF 6 houses, in Jersey City, well stocked and in full operation. Address Y. W., care Florists' Exchange.

FOR RENT AT FREDERICK, MARYland, Greenhouses, 162x11 ft.; 162x 20, 63x18, boiler room 60x18, equipped with large boiler and all necessary pipes; large mushroom pits; stable and wagons; 3 acres. Ill-health of owner compels retiring from successful business. Particulars on application. C. B. Trail, Agent.

MISCELLANEOUS.

FOR SALE—Heil duplex steam pump and three horse power boiler, 1¼ in. suction in discharge, in good working order. Price, $50.00 cash. Robert Macdonald, Summit, New Jersey.

FOR SALE—2100 feet 4 inch cast iron pipe, at 12c. per foot. Two Weathered Boilers No. 5, in first-class order, $45.00 each. One Weathered Boiler, No. 4, $20.00. One Hitchings Boiler, $15.00. Two large expansion tanks, $5 00 each. Three small expansion tanks, $3 00 each. The above f. o. b. cars Norwalk for spot cash, or the lot as it stands in the houses for $370.00. C. McKay, 8 Fitch Street, East Norwalk, Conn.



Utica, N. Y.—The Utica Florists' Bowling Club was organized for the season, last week, at a meeting held at Baker's greenhouses. The following officers were elected:—President, Peter Crowe; Vice-President, Wm. Mathews; Secretary and Treasurer, J. C. Spencer; Captain, Frank Baker. The members then repaired to the Maennerchor Alleys, where three games were rolled, the scores being as follows:

	1	2	3
Spencer	116	124	121
Crowe	107	128	108
Wilcox	154	119	118
Kauffer	121	102	101
Hildebrand	86	84	79
Day	..	95	128
Baker	149	154	146
Rowlands	146	153	126
R. Mathews	123	125	103
Tomey	115	79	85
Murphy	78	98	82
Dux	..	65	131

New York.—The few enthusiasts who met on the new alleys at the Arlington, on Monday evening last, were quite delighted with them. The alleys are three in number, and the other accommodations are of a superior order, plenty of room for spectators being one of the good features. Monday evening next bowling will take place directly after the special meeting of the Florists' Club, and it is hoped that all the members will avail themselves of the opportunity to try the new alleys, and decide about engaging them for the coming year, as Captain Traendly informs us the alleys, meantime, have been hired for one month's probation only, pending the decision of the members. The alleys are located in St. Mark's avenue, between Second and Third avenues. St. Mark's avenue is one block south of Ninth street and near Cooper Union. The scores made last Monday were as under:—

	1	2	3	4
A. S. Burns	112	131	129	157
F. Lentz	119	130	149	132
F. H. Traendly	156	158	108	..
T. J. Lang	144	175	130	196
W. Marshall	123	146	112	142

Firms Who Are Building.

CONCORD, Mass.—George Milne has finished building a new greenhouse.

PITTSFIELD, Mass.—F. S. Folwell is building a violet house 15 x 70 feet.

CHESTER, Pa.—C. W. Loller has completed the erection of another greenhouse.

LEOMINSTER, Mass.—George M. Kendall is building a cucumber house, 250 x 75 feet.

BRYANTVILLE, Mass.—James Fuller has completed extensive alterations on his greenhouse plant.

NORWICH, Conn.—Calvin L. Swan has doubled his greenhouse capacity by the erection of an additional house.

MINNEAPOLIS, Minn.—F. W. Busch is erecting two new greenhouses here—one 21 x 200 feet, and one 21 x 100 feet.

BALTIMORE, Md.—John Donn has been granted a permit to erect two greenhouses—one 24 x 60 feet, and one 14 x 65 feet.

NEW HAVEN, Conn.—John Doughty will shortly erect two greenhouses, each 100 x 18 feet; also two small houses, one 14 x 25, and one 12 x 25 feet.

Florist Commits Suicide.

Fred Krapf, a florist, 44 years old, of Prospect Avenue and Grove Street, Brooklyn, N. Y. committed suicide with carbolic acid Saturday last. Krapf had been despondent ever since the death of his wife some weeks ago. His body was found by his daughter in a greenhouse connected with the establishment.

Denver.

J. A. Valentine, A. J. Graham, E. A. Mauff, A. M. Lewis and Bernard Beer have been appointed members of a committee of the Denver Florists' Club, to take entire charge of the chrysanthemum show at City Park. The show will begin the second Wednesday in November and continue throughout the remaining days of that week. The park pavilion will be used and music will be furnished by the park commission.

O. B. Hadwen.

Obadiah Brown Hadwen, the newly elected president of the Massachusetts Horticultural Society, was born in Providence, R. I., August 2, 1824. He removed to Worcester, Mass., with his father, Charles Hadwen, in the Spring of 1835, where he has since lived. He spent a portion of six years attending the Friends' School in Providence, also four Winter terms at the Moses A. Cortland Academy at Weare, N. H., devoting six months to school and six months in each year on his father's farm.

In 1843 he purchased the land, now a portion of his farm. He erected buildings and planted fruit and ornamental trees and shrubs, comprising the most extensive variety to be found in central Massachusetts. The apple trees were set out in 1843, covering 20 acres of land.

Mr. Hadwen spent one season at Renrick's nurseries at Newton, Mass., where he acquired some insight into the nursery business that was of much advantage to him afterward. He became a member of the Worcester County Horticultural Society in 1847, and has since taken an active interest in that body. For 35 years he has been one of its trustees, besides being vice-president, and president, which latter office he now holds.

In 1857 he was elected a member of the Parks Commission of Worcester, and with the exception of three years has held that position ever since. He is a member of the Worcester County Agricultural Society; has been one of its trustees and its vice-president for years. He was for 12 years a member of the State Board of Agriculture, and one of the trustees of the State Agricultural College. In 1884 he joined the American Pomological Society, and for many years has been a member of the Massachusetts Agricultural Club, being now its president.

In 1875 he was elected a corresponding member of the Massachusetts Horticultural Society; in 1876 he became a life member and is now its president.

Mr. Hadwen is strong and healthy for a man of his years, and is about his farm every day looking after his work. His farm, near his house, is covered with ornamental trees and foliage plants of every description.

He is a very cordial man and is always pleased to have any one visit him who is interested in tree culture. His residence is on Lovell Street, Worcester. J.

St. Paul.

At this writing, October 15, we have had no killing frost. The lawns and pastures are as green as they usually are in June; geraniums, petunias, pansies, nasturtiums, verbenas, and other annuals in the open ground are in full bloom; the leaves on many of the trees have not changed color the least. A plague of mosquitoes is reported from the interior of the state, deciduous shrubs are blossoming the second time this year, and ripe strawberries are being picked in Northern Wisconsin, a hundred miles or so away. With all of these unusual conditions prevailing, it is not strange that trade should be somewhat erratic. Still sales average up well, and social events are beginning to call for more and more flowers each week.

Chrysanthemums seem to be late in this vicinity. A few Fitzwygram are being cut while Bergmann and Yellow Monarch will be ready in another week. Roses are becoming quite plentiful, wholesaling at 3c. to 4c., and retailing at $1 per dozen. Beauty are in good demand, at 10c. to 15c. R. C. Sieger is cutting some of the finest ever seen in this market. Carnations are rather scarce and short stemmed. A few violets have appeared and sell quickly.

In the line of roses, Liberty, Golden Gate and Dorothea are the new aspirants to public favor with the chances favoring the latter. Liberty is too poor a keeper, Golden Gate too weak stemmed, and the bud too loosely formed; but Lady Dorothea, from our Canadian neighbors, has all the attributes for a first-class commercial variety.

Jottings.

C. F. Haupt has added another carnation house, 120 feet long, to his range.

John Nilsen, doing business on West Seventh Street, near F. T. Snelling, has sold out to Hangen & Swanson. E. F. Lemke has resumed control of his range of houses on Hague, formerly rented by Hangen & Swanson.

L. L. May & Co. have a very nice display of bulbs, jardinieres and fish globes.

There appears to be an unusual demand

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.

Mention the Florists' Exchange when writing.

for choice Boston ferns, palms, rubbers, and araucarias.

D. O. Pratt, of Anoka, and L. A. Glatiguy of Sleepy Eye, are some of the newer concerns in business in this state, both having erected greenhouses the past Summer.

Carl Johnson, clerk for several years, in the retail store of L. L. May & Co., has accepted a position with S. E. Olsen & Co.'s department store, Minneapolis. It is rumored that this concern will shortly erect an extensive range of glass.

VERITAS.

New York.

The Market.

Cooler weather with slight frosts have been felt in this vicinity the past week, and the supply of outdoor flowers, particularly dahlias, has received a sudden check for the time being.

Chrysanthemums have become overabundant all of a sudden, with a consequent reduction in values. Varieties on the market at present are Glory of the Pacific, Whilldin, Polly Rose, Midge, Sunshine (a new yellow), Merry Monarch, Yellow Monarch, and Mutual Friend. Unfortunately the demand for the Queen of Autumn does not keep pace with the increased supply. Ordinary blooms have been going at 50c. a dozen, while some of the very finest have only realized $2.

Roses are more than plentiful for the needed requirements, and the same condition rules in the case of carnations, violets and cattleyas. The latter have been offered as low as $10 a hundred within the last few days,—not for the best flowers, of course, but for fair-sized blooms. When cattleyas go begging at such a figure, it is apparent that business is in an unsatisfactory condition, or that the out-put is too large for the city's needs.

Violets are in steady supply, and a limited number can be disposed of at from 50c. to 60c. per hundred. The remainder have to be cleared off at whatever figure the peddlers are willing to give; and, by the way, the street men find a better demand for political party buttons just now than they do for flowers.

Roses of special grades are not overplentiful, and prices remain about the same as last reported. When fancy special Bridesmaid have been on hand, it has been possible to realize 8c. each for them. The same grade of Beauty remain at $3 a dozen. Between the prices obtained for this good stock and those received for short and inferior blooms, there is such a wide margin that the discrepancy seems almost inexplicable. The reason, however, is not far to seek. The first mentioned grades are only securable a few dozen at a time, while the latter are to be had by the thousands, if necessary.

Lily of the valley drags as slowly as other flowers, plenty of it being offered at $2 a hundred; there is, however, a limited quantity of a special grade for which $4 can be realized.

As regards smilax, maidenhair fern and asparagus there is no change in values since last report.

Among the retailers business shows a little sign of improvement. The better condition of the violets obtainable, together with the fine chrysanthemums now to be had, help to put a little more life into trade.

Alex. McConnell had a large dinner decoration at the Murray Hill Hotel on Wednesday that called for several hundreds of American Beauty roses.

J. H. Small & Sons' windows have been attractive this week with banks of chrysanthemums and baskets of cattleyas.

Fleischman is showing chrysanthemums arranged in baskets flanked with cattleyas in small clusters.

The Fernery Co. has opened a store on 33rd Street, in close proximity to Fifth Avenue.

Jottings.

Dailledouze Bros. have named their famous big carnation, hitherto known as Number 666, Prosperity. This variety will be sent out the coming Spring.

Speaking of new carnations, Thomas Young, Jr., has two new ones coming regularly to him that are worthy of mention. One named Goethe is of a beautiful pink color, and of good form and size. The other is named Admiral Cervera, a large yellow flower, marked with red stripes. The name is appropriate as the flower embodies the Spanish colors. Chris. Besold of Mineola, L. I., is the grower of both varieties.

The vari-colored pepper plant seems to be quite a fad this Fall. It is heralded as something new, and has various names applied to it. The correct name is Capsicum annuum, and it was cultivated in England as far back as 1548, having been introduced to that country from India the year previous.

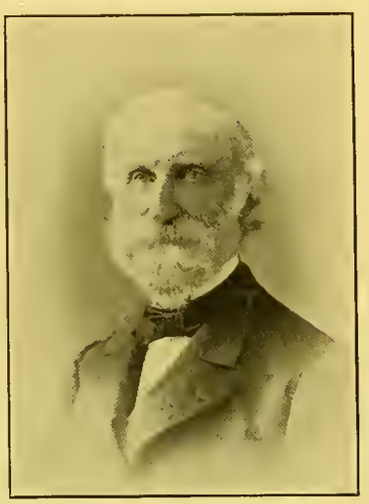
Mrs. R. W. Clucas, after spending the Summer in England, arrived home on Friday, the 12th inst. by the S. S. Germanic.

John Young has received a letter from William Plumb announcing his safe arrival on the other side of the Atlantic.

A special meeting of the Florists' Club will be held on Monday evening, October 22, at 8 o'clock, in the club rooms, corner 27th Street and Broadway. It will be preceded at 7.30 by a meeting of the Plan and Scope Committee, for the consideration of matters relating to the proposition to hold an annual horticultural exhibition in this city.

President O'Mara has appointed on the Plan and Scope Committee the following gentlemen: Arthur Herrington, Charles B. Weathered, John N. May, W. A. Manda, Samuel Henshaw, Julius Roehrs, Henry A. Siebrecht, Joseph A. Manda, Jr., Charles Hewitt, William Duckham, H. A. Kettel, N. Butterbach, D. Y. Mellis, C. W. Ward, Alex. Wallace, Walter F. Sheridan, W. I. Brower, J. B. Nugent, Jr., A. L. Miller, J. Dowsett, Henry Hentz and William W. Burnham.

The florists of the city are arranging to be represented in the Sound Money Parade, on November 3. A committee, consisting of W. L. Trumpore, T. J. Lang, and L. D. Brower, met Friday evening last, for the purpose of perfecting arrangements.



O. B. Hadwen,

Pres. elect Mass. Horticultural Society.

(See page 994.)

No chrysanthemums were presented for certification before the committee of the C. S. A. on Saturday last.

The custom house authorities had an auction sale of damaged Japanese bulbs recently, cases being disposed of to several different dealers.

The affairs of the Bridgeman estate are progressing towards a settlement. The claims have been up before the referee twice this week, and it is expected that a wind-up of the estate will be effected shortly.

Visitors this week were David Gindra, Poughkeepsie, N. Y.; William Scott, Buffalo, N. Y.; Miss Clara Beckstedt, Oswego, N. Y.; J. F. Sullivan, Detroit, Mich.; H. L. Crandell, Glens Falls, N. Y.; J. E. Beardsley, Malone, N. Y., and J. N. Champion, New Haven, Conn.

Philadelphia.

Business Improves.

All the stores report improving business. This week there were several large weddings, but the quantity of cosmos and other outdoor flowers around interfered with the demand for roses etc., for decorating. The debutante season has commenced; there have been several receptions and teas this week. Flowers are improving in quality every week.

The first frost of the season occurred Wednesday night when the thermometer went down to 33 degrees.

Pennsylvania Horticultural Society.

The meeting of the Pennsylvania Horticultural Society, Tuesday last, was very well attended. The exhibits of dahlias and cosmos were very extensive. William Robertson, gardener to John W. Pepper, Esq., took first prize for dahlias, and F. Canning, gardener to Samuel T. Bodine, Esq., was second. For cosmos W. H. Carey, gardener to Mrs. Allen B. Rorke, was first, and John McCleary, gardener to William Weightman, Esq., second. Alphonse Periant, gardener to Mrs. George B. Wilson, was awarded a silver medal and two certificates, for a new cypripedium and new cattleyas, in order given.

Jottings.

The recent auction sale conducted by John P. Cleary, of New York, at the Stoke Pogis Nurseries was a great success. All the stock listed in the catalogue was disposed of and brought good prices, many things even above regular quotation. Mr. Cleary made quite a hit, and no doubt will be seen in this locality again in the future.

Jacob Becker went to Europe the past Summer to select his own azaleas, and has secured a fine lot of plants of the leading varieties. He finds Simon Mardner the best for early forcing; next he grows Van der Cruyssen and Bernhard Andreas alba, and a few Vervæneana. Mr. Becker has brought over more than he needs for his own trade, and is offering the surplus at special import prices. A house of La France on this place is well worth seeing. The cuttings were struck after Easter and the plants, now in full bloom, are doing well.

DAVID RUST.

Returned from Europe.

Godfrey Aschmann, 1012 Ontario Street, after a seven weeks' stay in Europe, arrived per steamer Servia from Liverpool, October 11. While abroad he secured a large quantity of palms, araucarias, dracænas and Azalea indica, in Ghent, Belgium, Holland and other places in Europe. The steamer Netherland of the Red Star Line, which arrived in Philadelphia October 13, had aboard 82 cases of plants consigned to him, and many more are coming.

VIOLETS PRINCESS OF WALES, large, field-grown clumps, $5.00 per 100. Cash with order. Apply
BOX 163, RIDLEY PARK, Delaware Co., PENNA.
Mention the Florists' Exchange when writing.

SMILAX PLANTS, strong bushy plants, 2 and 2½ in., $5 a 1000; 75 cts. a 100, cash. Must be sold to make room. Sample free to intending buyers. Special price for lot of 20,000.
VIOLETS GONE.
R. KILBOURN, - - Clinton, New York.
Mention the Florists' Exchange when writing.

VIOLETS
200 Fine Field-grown
FARQUHAR, $30.00 per 1000, the lot for $50.00.
300 M. LOUISE, the lot for $6.00.
All to bud and blossom with good foliage.
FRED'K A. TAYLOR, Canastota, N. Y.
Mention the Florists' Exchange when writing.

1000 WM. SCOTT CARNATION PLANTS.
Field-grown, fine plants, $3.00 per 100.
Cash with order.
JOHN & WESLEY LEACH,
1010 De Bevoise Ave., Long Island City, N. Y.
Mention the Florists' Exchange when writing.

VIOLETS
Extra strong, field-grown clumps.
California..... $4.00 per 100.
Princess of Wales..... 5.00 "
NATHAN SMITH & SON, Adrian, Mich.
Mention the Florists' Exchange when writing.

VIOLETS
L. H. Campbell, extra large, healthy, field-grown clumps, $4.00 per 100; $35.00 per 1000. 500 at 1000 rate.
SMILAX, very fine, large plants, $2.00 per 1000.
PANSIES, largest flowering show varieties, fine, stocky little plants, 75 cts per 100, by mail; $2.00 per 500; $3.50 per 1000, by express
GUSTAV PITZONKA, Bristol, Pa.
Mention the Florists' Exchange when writing.

CARNATIONS
F. DORNER & SONS CO., LaFayette Ind.
Mention the Florists' Exchange when writing.

Carnations A bargain in Flora Hill, New York and Evelina at $3.50 a 100. Also Scott, John Young, Genessee, Freedom, Miska, Murillo and Dazzle, at $2.50 per 100.
Roses We still have some Bridesmaids from 3 inch pots, at $2.50 per 100 to close out.
CRABB & HUNTER, Grand Rapids, Mich.
Mention the Florists' Exchange when writing.

Carnation No. 666
Our record-breaking Carnation, hitherto known under No. 666, has been named by us
PROSPERITY
For full particulars as to prices, etc., address
DAILLEDOUZE BROS., Flatbush, N. Y.
Mention the Florists' Exchange when writing.



AZALEA INDICA
Just received a large shipment, and they turned out to be finer than ever before. The varieties are: Mme. Van der Cruyssen, B. A. Alba, Simon Mardner, Vervæneana, Empress of India, Emperor of Brazil, Prof. Walters, Niobe, Deutsche Perle, etc.

	Doz.	100	1000
8-10 inches diameter....	$3.50	$27.50	$250.00
9-11 " "	4.00	30.00	285.00
10-12 " "	4.50	35.00	325.00
12-14 " "	6.00	42.50	400.00
14-16 " "	7.00	55.00	525.00
16-18 " "	12.00	90.00	

Large plants, $1.25, $1.50, $2.00, $3.00 each.
Araucaria Excelsa 3-4 tiers, doz., $9; 100, $65. 4-5 tiers, doz., $9; 100, $90. These are extra fine plants, well-furnished.
Hydrangea Otaksa Strong plants. $15.00, $20.00, $25.00 per 100.
Kentia Belmoreana and Forsteriana $12 $15, $18, $24 per doz. Extra fine stock.
BOBBINK & ATKINS, Rutherford, N. J.
Mention the Florists' Exchange when writing.

BOSTON FERNS

Now ready. $6.00 per 100.

H. L. CAMERON, No Cambridge, Mass.

Mention the Florists' Exchange when writing.

The Boston Fern

A SPECIALTY.

Very fine plants at from $5.00 per 100 to $1.50 each. None better. True stock.

ASPARAGUS — PALMS — FICUS

L. H. FOSTER, 45 KING STREET, Dorchester, Mass.

Mention the Florists' Exchange when writing

THIS IS A BARGAIN

BOSTON FERNS 4 in., $10.00; 5 in., $15 00; 6 in., $20.00.

HYDRANGEA OTAKSA 3 in., $3.00; 4 in., $5.00; 5 in., $10.00; 6 in., $12.00.

GREVILLEA ROBUSTA 4 inch, $5.00.

DRACAENA INDIVISA 6 inch, $15.00.

BEGONIA METALLICA in bloom, 4 inch, $5.00.

100 Meteor and 300 Mrs. Fisher Carnations

Plants, first size, $3.00 per 100.

This is A No. 1 stock. Cash with all orders.

A. W. HOYLE, Spencer, Mass.

Mention the Florists' Exchange when writing.

CHOICE FERNS IN FLATS.

100,000 at One Cent.

JOHN H. LEY, Good Hope, Washington, D. C.

Can supply very good, hardy plants, which, potted now, will fill a 2½ in. pot in a few weeks, best market sorts. Have sent by mail and express to every State and Canada, and have given universal satisfaction.

Sample 100 mailed, $1.25
1000, in 10 Sorts, by Express, $10.00.

Pteris Cretica Alba, P. Adiantoidea, P. Longifolia, P. Hastata, P. Sulcata, P. Tremula, Adientum Grandiceps, Nephrodium Cristatum, Lygodium. Lomaria Gibba, Seleginelles, &c., &c.,

POST ORDERS, GOOD HOPE, D. C.

Mention the Florists' Exchange when writing

FINE PALMS.

Kentia Belmoreana and Forsteriana—
4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, from $2.50 upwards.

Phœnix Reclinata, 4 in. pots, $20 per 100; 5 in. pots, $40 per 100; 6 in. pots, 35c. each; 7 in. pots, $1.25 each; specimen plants, $2.00 upwards.

Areca Lutescens, 3 in., $15 per 100; 4 in., $25 per 100.

Latania Borbonica, 4 in., $20 per 100.

JOHN BADER, Troy Hill, Allegheny, Pa.

L. D. TELEPHONE 872A.

Mention the Florists' Exchange when writing.

ASPARAGUS

SPRENGERI and PLUMOSUS NANUS.

Extra strong stock, from 2½ inch pots, $5.00 per 100; $10.00 per 1000. (Ready for 3 inch.)

JACKSON & PERKINS CO. NEWARK, NEW YORK

Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.

1730 CAMBRIDGE ST.

Mention the Florists' Exchange when writing.

FERNS.

We have a surplus of 175 Pteris Tremula and 100 Adiantum Cuneatum, fine plants, suitable for terneries, out of 2¼ inch pots, ready for immediate shipment, at $3.00 per 100.

Cash with order.

M. E. and R. HOFFER, - Mount Joy, Pa.

Mention the Florists' Exchange when writing.

ARAUCARIA EXCELSA 5½ inch pots, 3 tiers, from 9 to 11 inches high, 80 cts.; some for 70 cts., a little smaller.

Ficus Elastica Rubbers), 6 inch pots, from 18 inches upwards, 40 cts. each; $5.00 per doz. (very fine).

Boston Ferns, 4 inch pots, $2.00 per doz.

Umbrella Plants, 3 inch pots, $5.00 per 100

Tuberous Rooted Begonia, 4 inch pots, mostly white, etc., 75 cts. per doz.

Heliotropes for winter-blooming, fine plants $5.00 per 100.

Godfrey Aschmann, 1012 Ontario St., Rising Sun, PHILADELPHIA, PA.

Mentinn the Florists' Exchange when writing

Cryptomeria Japonica (JAPAN CEDAR), strong plants, from 2 inch pots, at $5.00 per 100; 20 for $1.00, 2 inch, strong, $2.50 per 100.

Asparagus Sprengeri Satisfaction guaranteed.

E. I. RAWLINGS, Quakertown, Pa.

Mention the Florists' Exchange when writing.

BIG BOSTON FERNS

Pot-grown, ready for 8, 9, 10 in., 20 to 30 fronds, 2 to 3 feet long. There is money in them for you, just what you want for Fall trade. First size, $1.00; 2d size, $75 cts. each. Get them while they are going. Cash, please.

A. J. BALDWIN, Newark, Ohio.

Mention the Florists' Exchange when writing.

FERNS. FERNS.

This year our ferns are in fine shape. A good variety and fine bushy stock. 2¼ in. pots, $3.00 per 100; $28 00 per 1000.

Asparagus Plumosus Nanus, 2½ in. pots, strong, $6.00 per 1 0.

Asparagus Sprengeri, 2½ in. pots, strong, $4.00 per 100.

HENRY WESTON & BRO., Hempstead, N.Y.

Mention the Florists' Exchange when writing.

FIELD-GROWN

DRACÆNAS

24 to 28 inches high, fine strong plants, $1.25 per doz.; $10.00 per 100.

175 SMILAX Extra fine, 2½ inch, at 2 cts.

S. S. PECKHAM, New Bedford, Mass.

Mention the Florists' Exchange when writing.

FERNS OUR SPECIALTY.

A grand stock of MAIDEN HAIR FERNS, in 4 inch, ready for 5 inch pots, per 100, $15.00; per 1000, $140 00.

Full-grown plants, in 2¼ inch pots, ready for a shift, per 100, $4.00; per 1000, $35.00.

Fine lot of ASSORTED FERNS, for Jardinieres. All the best varieties, in 2¼ inch pots, per 100, $4 00; per 1000, $35.00.

An Excellent Stock of

ADIANTUM FARLEYENSE.

Over 10,000 now ready for the market.

6 inch pots .....each, $1.50; per 1000, $140.00.
5 inch pots ..... " 1 00; " " 95.00.
4 inch pots ..... " .60; " " 55.00.

Money returned if not satisfactory. Cash or C. O. D.

ANDERSON & CHRISTENSEN, Short Hills, N. J.

Mention the Florists' Exchange when writing

FERNS For dishes, etc., in 6 of the leading varieties, from 2½ in., $3.00 per 100.

ASPARAGUS Plumosus Nanus, 3 inch $5.00 per 100; strong, 3½ in., $ per 100.

FORGET-ME-NOT True Winter-flowering 3 inch, $3.00 per 100 4 inch, 75 cts. per dozen.

PELARGONIUMS in six of best bloomers mixed, from 3 in., $3 a 100

JOHN G. EISELE, 20th and Ontario Sts., PHILA., PA

Mention the Florists' Exchange when writing

Jardiniere Ferns

ELEGANT STOCK.

$3.00 per 100; $25.00 per 1000.

Roses for the South. Varieties most adapted for southern planting. Just the thing you want. Stock A No. 1. Write for Price List.

J. B. HEISS, The Exotic Nurseries, Dayton, Ohio.

Mention the Florists' Exchange when writing

ARAUCARIA EXCELSA

4 to 5 tiers, 24 in. high.....$1 5
5 to 7 " 24 to 30 in. high..... 2 0

DRACÆNA FRAGRANS.

18 in.....$1 0
22 to 24..... 1 5

A1 Stock. Measurements from top of Pot.

HESSION, Clarkson St., BROOKLYN, N.Y.

Mention the Florists' Exchange when writing

A SNAP TO THE RIGHT MAN

One-Half or the Entire Stock of

Palms, Ferns and Decorative Plants

20,000 Latania Borbonica, in 3, 4, 5, 6, 7 and 8 in. pots, in good shape; good stock of other sorts. Will be sold at a big sacrifice I cannot care for them. Write or call soon. It will pay if you mean business. Good discount on smaller lots.

W. J. HESSER, Proprietor Palm Gardens Plattsmouth, Neb.

Mention the Florists' Exchange when writing.

Wide-Awake Florists Are Ordering Their Christmas Plants while the Warm Weather Lasts.

The following quotations offer exeptionally good value. There is nothing quoted which we cannot recommend and ship at once, safely by freight, before cold weather. Our stock is larger than ever, and particularly clean, healthy and vigorous. We offer it on its merit:



NEPHROLEPIS WITTBOLDII. Strong runners, ready for 3 in. pots, $1.00 each; $10.00 per Doz.

Kentias.

Varieties.	Size Pot.	Height Ins.	No. Leaves.	Each.	Per Doz.	Per 100
Belmoreana, 2½	8 to 9	3 to 4		$	$ 1.50	$12.00
Belmoreana, 3	10 to 12	4 to 5			2.00	15.00
Belmoreana, 3½	12 to 14	5 to 6		.25	3 00	20.00
Belmoreana, 4	14 to 16	5 to 7		.40	4 00	30.00
Belmoreana, 5	16 to 20	5 to 6		.75	7.20	60.00
" strong, 5	18 to 24	5 to 7		1.00	12.00	90.00
Belmoreana, 6	20 to 22	6 to 7		1.25	15.00	125.00
" strong, 6	26 to 28	6 to 7		1.50	18.00	18.00
Belmoreana, 7	36 to 40	6 to 7		2.25	27.00	2.0 00
Belmoreana, 8	42 to 48	6		3.25	39 00	300.00
Forsteriana, 2½	8 to 9	3 to 4			1.50	12.00
Forsteriana, 3	10 to 12	4 to 5			2.00	15.00
Forsteriana, 3½	12 to 14	5 to 6		.25	3.00	20.00
Forsteriana, 4	14 to 16	5 to 7		.40	4.00	30.00
Forsteriana, 5	20 to 24	5 to 5		.75	7.20	60.00
" strong, 5	22 to 26	5 to 6		1.00	12.00	90.00
Forsteriana, 6	28 to 30	5 to 6		1.25	15.00	125.00
" strong, 6	30 to 34	6 to 7		1.50	18.00	180.00
Forsteriana, 8	44 to 50	6		3.25	39.00	300.00

Latanias.

Borbonica,	2¼		3		.60	5.00
Borbonica,	3	12	5 to 6		1.00	8.00
Borbonica,	3½	12 to 15	5 to 6	.15	1.50	12.00
Horbonica,	4	15 to 18	5 to 7	.25	3.00	20 00
Borbonica,	5	16 to 22	6 to 7	.50	5.00	35.00
Borbonica,	6	20 to 24	6 to 8	.80	6 00	50.00
Borbonica,	6	24 to 30	6 to 8	.75	9.00	

Variety.	Size Pot.	Height, Plants Ins.	in pot.		Per Doz.	Per 100
Areca Lutescens,	2¼	5 to 5	3		$1.00	$8.00
Areca Lutescens,	3½	12 to 14	3	Ea.	2.00	15.00
Areca Lutescens,	4	15 to 18	3	$0.25	3.00	25 00

Asparagus.

Varieties.	Size pot.	Per Doz.	Per 100
Asparagus Plumosus Nanus	2 in.	$0.50	$4 00
Asparagus Plumosus Nanus	3 in.	1.00	8 00
Asparagus Plumosus Nanus	4 in.	1.50	12.00
Asparagus Plumosus Nanus	5 in.	2.00	15.00
Asparagus Sprengeri	2 in.	.50	4.00
Asparagus Sprengeri	4 in.	1.50	12.00

Asparagus—Continued.

Varieties.	Size pot.	Per Doz.	Per 100
Asparagus Sprengeri	5 in.	$2.00	$15.00
Asparagus Sprengeri	6 in.	5.00	
Asparagus Sprengeri	8 in.	10.00	

The several sizes of Asparagus Sprengeri are especially strong and large value.

Ferns.

Varieties.	Size pot.	Per Doz.	Per 100
Adiantum Cuneatum	5 in.	$2.00	$15.00
Pteris Cretica Albo-Lineata	2 in.	.50	4.00
Pteris Serrulata Cristata	2 in.	.50	4.00
Pteris Serrulata	2 in.	.50	4.00
Pteris Tremula	2 in.	.50	4.00
Pteris Umbrosa	2 in.	.50	4.00
Cyrtomium Falcatum	3 in.	1.00	8.00
Cyrtomium Falcatum	4 in.	1.50	10.00
Nephrolepis Exaltata	5 in.	2.00	15.00
Nephrolepis Exaltata	5 in.	3.00	20.00
Nephrolepis Bostoniensis	4 in.	2.00	
Nephrolepis Bostoniensis	5 in.	3.00	
Nephrolepis Bostoniensis	6 in.	5.00	

Miscellaneous.

	Each.
Araucaria Excelsa, 3 inch, nice plants	$0.50
Araucaria Excelsa, 3½ inch, nice plants	.75
Araucaria Excelsa, 5 inch, nice plants	1.00
Araucaria Excelsa, 5 inch, nice plants	1.25
Cycas Revoluta	25c. to 75c.

	Pot	Height	Leaves	Each	Doz.	100
Ficus Elastica	6	22-23	12-14	75c.	$7.20	$50.00
Ficus Elastica	7	24-28	14-16		10.00	75.00
Ficus Elastica	8	28-34	16-18		12.00	100.00
Pandanus Utilis	2½	6- 8	10-12		1.00	8.00
Pandanus Utilis	3	8-10	12-15		2.00	15.00
Pandanus Veitchii, 6, extra fine					18.00	
Cocos Weddeliana, 3,				25c.	2.00	15.00
Phœnix Reclinata, 10		40-45	6- 8	3.50		
Aspidiatra Lurida, 5		15-20	8-12	50c.	6.00	

	Doz.
Sanseviera Java. Var., 2 in., strong plants	$0.60
Sanseviera Java. Var., 3 in., strong plants	1.25
Sanseviera Java. Var., 4 in., strong plants	2.00

THE GEO. WITTBOLD CO., Palms and Ferns, 1657 Buckingham Place, Chicago, Ill.

Mention this paper.

AZALEAS

NOW READY We take pleasure in offering, **f. o. b. New York City, INDIAN AZALEAS,** double and single, leading market kinds. This is a specially low import offer both as to sizes and prices, and your early order is solicited.

Azaleas are growing in favor yearly, as the great demand this season proves. It is to your interest to order now and take advantage of the low prices we offer. These plants will be carefully packed and can be safely sent by freight. **Order at once to secure these rates, and mention paper.**

10 to 12 inch heads, $4.50 per doz.; $33.00 per 100
12 to 14 " " 6.00 " 43.00 "
14 to 16 " " 7.00 " 53.00 "
6 sold at dozen rates; 25 at 100 rates.

PETER HENDERSON & CO. 35 CORTLANDT STREET. **NEW YORK**

Mention the Florists' Exchange when writing.

FOR SALE or EXCHANGE

250 **Smilax,** in 2½ inch pots; 300 **Wichuraiana** or **Memorial Rose,** 3 and 4 inch;

300 **Boston Ferns,** in 3, 4 and 5 inch. All strong, well-grown stock and will be sold cheap for cash, or **will exchange** for **Areca Lutescens** or **Kentias** in medium sizes, or **Araucaria Excelsa, Pandanus Utilis** or **Veitchii.** Send in your offers.

MILLS & WACHTER, Jacksonville, Florida.

Mention the Florists' Exchange when writing.

Boston Fern AND New Sword Fern

Large plants Cheap. Prices on application.

W. B. WOODRUFF, Florist, WESTFIELD, N. J.

Mention the Florists' Exchange when writing.

PALMS AND BOSTONS

WALTER RETZER & CO.,

2045-59 CLARENDON AVE., (N. Halsted Street), **Chicago, Ill.**

Mention the Florists' Exchange when writing.

Adiantum Cuneatum

2½ in. pots, $4 per 100; 3½ in. pots, $6 per 100 3½ in. pots, large plants, $10 per 100; selected plants, 3½ in. pots, $12 per 100.

Asparagus Sprengeri

2½ in. pots, $4 per 100; $30 per 1000. 3 in. pots, $5 per 100.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

AT A BARGAIN.

500 Bridesmaid Roses, 3-in., goods tock,a $4.00 per 100; the 500 for $18.00 cash.

Palms, Kentia, Belmoreana, 2-in., per 100 $7.00; 3-in., per 100, $20.00.

Latania Borbonica, 3-in., per 100, $15.00.

Dracæna Sanderiana, 2-in., per doz., $1.50.

Selaginella Emmeliana, 2-in., per 100, $3.00.

Asparagus Sprengeri, fine, 2-in., per 100, $4.00.

Grevillea Robusta, 3-in., per 100, $5.00.

Rex Begonias, 3 in., in 10 good varieties, per 100, $7.00.

SMILAX,

Good Stock, from Pots, at $1.25 per 100; $10 per 1000. *Satisfaction Guaranteed. Cash with Order.*

GEO. L. MILLER, Newark, Ohio.

Mention the Florists' Exchange when writing.

A Few Good Things You Want

KENTIA BELMOREANA and **FORSTERIANA,** 2½ in., 10c.; 3 in., 18c.; 4 in., 35c.; 5 in., 50c. each.

ARECA LUTESCENS, 3 in., 3 plants to pot, 18c.; 4 in., 25c. each. All cool grown, nice clean stock, and cannot be duplicated anywhere for the money.

BOSTON FERN, 3 in., $8.00; 4 in., $15.00; 5 in., $30.00 per 100.

SWORD FERN, Nephrolepis Cordata Compacta, 2½ in., $3.00 per 100.

SMILAX, 2 in., $2.00 per 100.

ROSE BRIDESMAID, 3 in., $5.00 per 100.

REX BEGONIA, finest varieties, 2½ in., $4.00; 3 in., $6.00 per 100.

GERANIUMS, double and single, Orant, Mme. Brusnt, Mrs E. G. Hill, Poitevine, Bonnat and S. A. Nutt, 3 in., $5.00 per 100.

CAMPBELL VIOLET and **VINCA VAR.,** 2½ in., $3.00 per 100.

PRIMULA CHINENSIS, 2 inch, $3.00; 3 inch, $4.00 per 100.

CYCLAMEN GIGANTEUM, 2½ inch, $4.00; 3 inch, $8.00 per 100.

ASPARAGUS Sprengeri and **Plumosus,** 2 in., $5.00; 3 in., $8.00 per 100 Cash with order.

Will exchange any of above for good field-grown plants of Flora Hill Carnation.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

FERNS.

Fine bushy plants of **Cyrtomium Falcatum, Pteris Cretica Albo-Lineata, Pteris Adiantioides, Onychium Japonicum,** from 2 inch pots at $3 00 per hundred. 100 first-class plants, expressage prepaid to any point east of Chicago or north of Richmond for $4.00. Cash, please. L. D. Telephone, 152-3.

R. G. HANFORD, Norwalk, Conn.

Mention the Florists' Exchange when writing.

THESE plants have a long thrifty growth and are ready for a shift or immediate sale. They have been grown cool and can be safely shipped to any part of the country.

Boston Fern. From 2½ inch pots, $3 00 per 100; $25.00 per 1000. From 4 inch pots, $1.00 per doz., $8.00 per 100.

Asparagus Sprengeri. From 2½ inch pots, $2.50 per 100; $20.00 per 100. From 4 in. pots, $1.00 per doz., $8.00 per 100.

Asparagus P. Nanus. From 2½ inch pots, $4.00 per 100; $35.00 per 1000. From 4 in. pots, $1.00 per doz., $8.00 per 100

New Hibiscus, Peachblow. From 2½ in. pots, $4 a 100.

Boston Ivy. (A. Veitchii.) Pot grown, $3.00 per 100; $25 00 per 1000.

200,000 Roses. From 2½ inch pots, $2 50 per 100; $20.00 per 1000.

Golden Gate, Crimson Rambler, La France, Striped La France, White La rance, Mosella, Kaiserin, Bride, Maid, Etoile de Lyon, Meteor, White Maman Cochet, Marechal Niel, Pink Maman Cochet, C. Soupert, Pink Soupert, The Queen, Muriel Graham, Burbank, Marie Van Houtte, Gen Lee, Malmaison, Mrs. Degraw, P. Pere, Abel Chatenay, Caroline Marniesse, Yellow Rambler, Empress of China.

Cash With Order, Please.

THE JOHN A. DOYLE CO.

SPRINGFIELD, OHIO.

Mention the Florists' Exchange when writing.

50,000 BOSTON FERNS

I Make a Specialty of

N. EXALTATA BOSTONIENSIS

Small plants, $4.00 per 100 or $35.00 per 1000; large plants, $6.00 to $50.00 per 100; taken from the bench.

FERNS In 5 in. pots, $3.00 per doz.; 6 in. pots, $6.00 per doz.; 7 in. pots, $9.00 per doz.; 8 in. pots, $1.00 each.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6 in. pots, from $1.00 to $1.50 each; 7 in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 in. pots, $3.00 and $4.00 per doz.

Asparagus Plumosus, 2½ in. pots, $5.00 to $6.00 per 100; 3½ in. pots, $10.00 per 100.

Asparagus Sprengeri, 2½ in. pots, $5.00 to $6 00 per 100.

Araucaria Excelsa, 14 to 16 in. high, 4 to 5 tiers, 6 in. pots, $1.00 and $1.25 each; 20 to 24 in. high, 5 to 6 tiers, 6 in. pots, $1.50 each; larger size, $2.00 and $2.50 each.

Rubber Plants, 20 to 32 in. high, $5.00 to $9.00 per doz.

Chinese Primroses, 3½ inch pots, $6.00 per 100.

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. **Connected with Telephone.**

Mention the Florists' Exchange when writing.

AZALEAS

Having just received a large shipment of these in first-class condition, well set with bud, I make the following special offer for immediate delivery, before plants are potted, f. o. b. Philadelphia.

SIMON MARDNER, MME. VAN DER CRUYSSEN, BERNHARD ANDREA ALBA,

14 to 16 inches in diameter	$7.50 per doz.;	$ 55.00 per 100.
16 to 18 " "	12.00 "	90.00 "
18 to 20 " "	25.00 "	200.00 "
VERVÆNEANA, 15 to 18 in. in diam .	12.00 "	90.00 "

JACOB BECKER, 52d and Market Sts., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

BARGAIN OFFER TO CLEAN UP!

BOSTON FERN 2½ inch, $2.50 per 100. 3 inch, $5.00 per 100.

ACALYPHA SANDERI 2½ inch strong plants, $3.00 per 100; $25.00 per 1000.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing

Asparagus Plumosus Nanus,

EXTRA STRONG, from 3 in. pots; about ready for a 4-in. shift.

$1.00 per doz.; $8.00 per 100; $70.00 per 1000.

Orders amounting to $5.00 and over, f. o. b. New York City; these, from unknown correspondents, will be sent C. O. D.

SEAWANHAKA GREENHOUSES, W. L. SWAN, Proprietor, Lock Box 227, OYSTER BAY, NASSAU CO., N. Y.

40,000 Kentias, Belmoreana and Forsteriana

Clean well grown stock in best market sizes—$35, $50, $75 and $100 per 100. See our wholesale list for sizes.

AZALEAS, Bushy Crowns well set with Buds.

10 to 12 inches in diameter.....$35 per 100 14 to 16 inches in diameter.....$50 per 100
12 to 14 inches in diameter..... 45 per 100 16 to 18 inches in diameter..... 12 per doz

ASPARAGUS PLUMOSUS NANUS.

Strong 2½ in. pots ready for shifting into 3 in...$5 per 100 Strong 3 in. pots....$8 per 100
Asparagus Sprengerii—2½ in..$5 per 100 *Asparagus Sprengerii*—3 in..$7 per 100

BOSTON FERNS.

Strong 2½ in. pot plants.....$40 per 1000 Strong 4 in. pot plants... .....$15 per 100
Strong 5 in. pot plants..... .....$4 per dozen

ROSES.

Strong two-year field grown. Excellent stock for forcing for Easter and Spring sales.
Crimson Ramblers—Extra strong, with canes 3 to 5 feet long.....$12 per 100
$100 per 1000.
Hybrid Perpetual—Large assortment of best forcing varieties.....$10 per 100
$90 per 1000.

Full assortment of French and Holland bulbs, Hardy Herbaceous Plants, Shrubs and Ornamental Trees.

THE STORRS & HARRISON CO., Painesville, Ohio.

Heacock's Premium ARECAS

I have grown on some specimen Arecas, plants that last year showed exceptional vigor. These are now in 14 inch pots, stand 8 to 9 feet high, and very bushy; each plant is perfect from all sides and great value for the price, **$25** to **$30** each. I also offer the following list of assorted Palms, all in perfect form and entirely free from insects or blemishes of any kind.

ARECA LUTESCENS.

3 plants, 6 in. pot, 24 to 28 in., $12.00 per doz.; $100.00 per 100.
3 plants, 8 in. pot, 36 in., $3.00 each; $36.00 per doz.
14 in., 8 to 9 ft., very bushy, $25.00 to $30.00.

COCOS WEDDELIANA.

1 plant, 2¼ in. pot, 8 to 10 in. high, $15.00 per 100.
1 plant, 3 in. pot, 10 to 12 in. high, $20.00 per 100.
1 plant, 4 in. pot, 18 in. high, 50 cts. each.
3 plants, 5 in. pot, 18 in. high, $1.00 each.

KENTIA BELMOREANA.

4 in. pot, 5 to 6 leaves, 15 in. high, $4.50 per doz.; $35.00 per 100.
6 in. pot, 6 leaves, 24 in. high, $15.00 per doz.; $125.00 per 100.
8 in. pot, 6 to 7 leaves, 30 to 32 in. high, $3.00 each.

KENTIA FORSTERIANA.

4 in. pot, 4 to 5 leaves, 15 in. high, $4 50 per doz.; $35.00 per 100.
8 in. pot, 6 leaves, 36 to 40 in. high, $3.00 each; $36.00 per doz.
8 in. pot, 6 leaves, 48 to 50 in high, $4.00 each; $48.00 per doz.
6 in. pot, 5 leaves, 24 to 28 in. high, $1.00 each; $12.00 per doz.
6 in. pot, 5 to 6 leaves. 30 in high, $1.25 each; $15.00 per doz.

All Measurement from Top of Pot.

JOSEPH HEACOCK, - Wyncote, Pa.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00.
Payable in advance. The date on the address label indicates when subscription expires.

CHANGES OF ADDRESS.

When notifying the publishers to send the paper to a new address, give both old and new addresses.

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The publishers can supply binders which will hold the papers for one complete volume, keeping them in perfect order for ready reference. Price, postpaid, $1.00.

ADVERTISEMENTS, $1.25 PER INCH.

Special positions extra.
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Discounts on continuous advertising.
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Copy must reach this office not later than Thursday in order to secure insertion in issue of the following Saturday.
Orders from unknown parties must be accompanied by cash or satisfactory references.

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The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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Hucksters in New York City the past week were vending, "red, white, and blue grapes."

There are 26 violet-growers at Rhinebeck, N. Y., each with one to six greenhouses from 20x100 to 20x150 feet, the total plant capacity being 192,000 feet.

A Chrysanthemum Poster.

The Courier Co., of Buffalo, N. Y., have favored us with a sample sheet of their chrysanthemum lithograph, new design. Promoters of chrysanthemum shows will find these posters of immense service as advertising mediums in attracting attention to their exhibitions, the lithographs being of such a nature that storekeepers and others would willingly display the pictures in their windows and places of business. These posters can be obtained of THE FLORISTS' EXCHANGE.

GALVESTON RELIEF FUND.

"Open Thine Hand wide unto thy Brother, and to thy needy, in thy Land."

The publishers of the FLORISTS' EXCHANGE have, for the convenience of our readers, decided to receive subscriptions at this office for the Galveston relief fund, which will be at once acknowledged in these columns, and the amount contributed forwarded to the proper authorities as the donations of our trade on behalf of their suffering brethren in the storm-swept sections. Checks and money orders for the Galveston relief fund should be made out in favor of the A. T. DeLa Mare Printing and Publishing Co., Ltd., crossed "In aid of Galveston sufferers."

Editor Florists' Exchange:

I beg to inform you that Mrs. F. L. Latour's losses, to the amount of $500, were added to the list at last night's, October 9, meeting of the Galveston florists. We hope to be in a position to report after next Tuesday's meeting the losses of Mr. H. A. Condron, Gulf Coast Nurseries, and those of Mr. L. Margot, in connection with which committees were appointed to invite and investigate estimates.

In the report of Steding Bros.' loss, the estimate ought to read $2,500, instead of $1,500, as previously reported, as Messrs. Charles and Henry Steding were conducting business under the firm name of Steding Bros., jointly, though located in different parts of the city.

We notice in your issue of October 6 further substantial contributions to our fund. We feel especially grateful to the EXCHANGE, not only for aiding us by donating valuable space, but in assisting us financially as well. It may appear to you, as you mention in your last issue, that the contributions have been light so far, but that, we think, is partly due to the fact that we were, in the beginning, so absorbed by the awful calamity, that all of us were, so to say, dazed and could not take any action whatsoever; and partly, as you say, because no outsider can have a proper conception of the extent of the disaster. Nevertheless, we feel assured that, in addition to your valuable paper and the Florists' Review, the Society of American Florists, the Chicago and New York Florists' Clubs will surely come to our rescue.

As stated in our previous letter, no distribution of funds has been made, and will not be until we have our list of losses completed. Meanwhile, as before mentioned, the money collected will remain in trust with Sealy, Hutchings & Co., to be finally distributed according to a complete schedule of all losses, and pro-rated accordingly; and we will furnish you with copy of said distribution list for publication in your valuable paper.

Thanking you very much for your kind assistance in our distress, we are

THE GALVESTON FLORISTS,
Per F. G. LAEVERENZ, Secretary.

[We would ask all contributors forwarding money direct to Galveston, to send same to the firm of Sealy, Hutchings & Co., to be held in trust until such times as distribution of the funds donated shall take place.—Ed.]

Mrs. Chas. Eickholt desires us to correct the published estimate of her losses in plants, florists' supplies, greenhouses and outdoor improvements pertaining to her business, which she places at $2,700 (estimated). She has also requested that any proportion of the money contribution coming to her through the FLORISTS' EXCHANGE, or from florists generally, shall be paid over to Mrs. Harris, proprietress of the Beach Nursery, who lost her husband, her home and all its contents, greenhouse, plants; in fact, all that she possessed, and is now thrown upon her own resources to begin life anew.

We feel sure that all contributors to the Relief Fund will commend Mrs. Eickholt for this voluntary act of self-abnegation.

Publishers Florists' Exchange:

As an aid to the Galveston florists in resuming business, we shall be pleased to contribute palms as follows: Phœnix (in variety) in four and five-inch pots, characterized plants, to the number of a couple of hundred; Cocos Weddelliana in 2½-inch pots, to the number of 200. Kindly arrange for distribution of stock and advise when to be shipped.

THE JESSAMINE GARDENS,
W. J. ELLSWORTH, Manager.
Jessamine, Fla.

Publishers Florists' Exchange:

Enclosed please find New York draft for $50, a contribution of the Pittsburg and Allegheny Florists and Gardeners' Club, of Pittsburg, Pa., to be applied to the "Galveston Florists' Relief Fund."

PITTSBURG AND ALLEGHENY FLORISTS' AND GARDENERS' CLUB.
T. P. LANGHANS, Secretary.

To-day, October 16, I have sent seeds of our choice specialties to Mr. F. G. Laeverenz, Galveston, for the stricken florists there: Chinese Primrose, $25; Giant Pansy, $10; Cineraria grandiflora nana, $5. JOHN F. RUPP.
Shiremanstown, Pa.

Contributions Received.

Peter Henderson & Co., New York City,	$100.00
C. W. Ward, Queens, N. Y.	50.00
Pittsburg and Allegheny Florists and Gardeners' Club, Pittsburg	50.00
The Florists' Exchange	25.00
Charles Black, Hightstown, N. J.	25.00
Chas. T. Siebert, Pittsburg, Pa.	10.00
John G. Esler, Saddle River, N. J.	5.00
C. Eisele, Philadelphia, Pa.	5.00
John Birnie, West Hoboken, N. J.	2.00
Beaulieu, Woodhaven, N. Y.	2.00
F. I. Drake, Pittsfield, Mass.	2.00
H. B. Hot Springs, Va.	1.00

Contributions Direct.

The Good & Reese Co., Springfield, O.	$50.00

Corrected List of Subscriptions to Date Secured by Chicago Florists' Club.

J. C. Vaughan	$10.00
Chicago Carnation Co. contribution box	8.90
E. Wienhoeber	10.00
C. A. Samuelson	10.00
F. F. Benthey & Co.	10.00
F. Stielow	10.00
Wietor Bros.	10.00
Bassett & Washburn	10.00
E. H. Hunt	10.00
Peter Reinberg	10.00
McKellar & Winterson	10.00
G. Reinberg	5.00
J. B. Deamud	5.00
American Florist	25.00
Edgar Sanders	5.00
E. C. Amling	5.00
Walter Retzer & Co.	25.00
Employees of Walter Retzer & Co.	20.00
J. A. Budlong	5.00
Wieland & Risch	5.00
Poehlman Bros.	5.00
A. L. Randall	5.00
Eli Hobbs	5.00
W. J. Smyth	5.00
S. Muir	5.00
A. McAdams	5.00
Geo. Wooward, H. Hilmers, Alex Reid, Robert Mueller, John Reardon, $2 each	10.00
John Blanck	3.00
Walter Kreitling, L. Koropf, Cash, H. N Bruns, Cash, N. Paulus, I. C. Sillimman	$1 each 7.00
A. J. Schmidt	2.00
E. Von Rosen, L. H. Winterson, J. A. Sikura	4.00
W. H. Kidwell	2.00
The Geo. Wittbold Co.	15.00
Vaughan Seed Store (box)	2.90
	$283.90

The above sum has been sent to Sealy, Hutchings & Co., bankers, Galveston, Texas, to be by them turned over to the Florists' Committee, towards re-establishing such as are building up again. EDGAR SANDERS, Treas.

With this issue, Mr. Joseph Meehan, of Germantown, Pa., commences a series of contributions to the FLORISTS' EXCHANGE on nursery topics, in which florists, also, are more or less interested, in continuation of the articles contributed by Mr. S. Mendelson Meehan, that have proven so acceptable to our readers, and which that writer has been compelled to discontinue on account of pressure of other business. The well-known ability of Mr. Joseph Meehan, both as a practical nurseryman and an authority on horticultural matters, is sufficient guarantee of the useful and highly instructive nature of his writings, to which we beg to direct the especial attention of our subscribers.

The Manchester (Mass.) Horticultural Society is working for a building of its own, a laudable effort worthy of emulation by every similar institution in the country.

Society of American Florists and Ornamental Horticulturists.

DEPARTMENT OF PLANT REGISTRATION.

The Conard & Jones Co., West Grove, Pa., register new cannas as follows:

PENNSYLVANIA, orchid flowering canna; color bright scarlet, foliage green, height five feet. An American hybrid.

BETSY ROSS, color soft pink, foliage green, height two and one-half feet.
WM. J. STEWART, Secretary.

American Carnation Society.

NEW CARNATIONS REGISTERED.

PROSPERITY.—Color, white ground overlaid with pink in mottles deepening toward the center. Habit and health the nearest to the ideal yet produced. Flowers four inches in diameter, freely produced on long, stiff, wiry stems, and with a calyx that does not split. (Known under the number 666.)—By Dailledouze Bros., Flatbush, N. Y.

MRS. PHILIP HEILIG.—Color, cream white ground, with pink markings on the edge of the petals; in size three and one-quarter inches, with a good strong calyx and a stiff, upright stem. Strong healthy growth, with dwarf habit, and can be grown without supports.

GENERAL CHARLES MILLER.—Color, pure white, flowers very large, being three and one-half inches in diameter, October 13; stem 18 to 24 inches long. Flower very full of petals, with heavy high built center, lower petals standing straight out. Habit strong and sturdy; plants free from disease.—By Philip Heilig, Franklin, Pa.
ALBERT M. HERR, Secretary.
Lancaster, Pa.

Rudd's Ratiocination.

W. N. Rudd, of Chicago, is still on the warpath. The acquisition of the scalp of the census man but makes him thirst for others. He is now after our own, and in this wise: He writes to "another paper," which we occasionally read, as follows: "In a recent issue of another paper it is recommended to place carnation blooms in a temperature of 40 degrees after cutting. This is wrong. The temperature should never be allowed to go below 50 degrees, and two or three degrees above that point is better than a like number below." Delightfully emphatic, but not altogether sound doctrine, nor a correct rendering of our statement. What we did say was "a clean, airy flower room with a temperature of *about* 40 degrees."

Doubtless Mr. Rudd would have expressed himself more correctly on the subject had he known the exact nature of the inquiry demanding the reply given; also, whether the carnations were intended for shipping to market or were grown for home consumption. Where the flowers are grown for home use, as was the case in this instance, the blooms are allowed to remain on the plants until they are fully developed. To cut these and put them in a temperature warmer than the night temperature in which they were grown, would simply be to shorten their existence as cut flowers. The temperature of "about 40 degrees," will keep carnations salable a longer period than will a temperature of "50 degrees or over," because at the former degree of heat, growth will continue much slower than at the latter, and it stands to reason that the longer the ripening of the flower is delayed, the longer the flower will last. As with fruit, so with flowers, "the perfection of ripeness is the commencement of decay."

Anything below 40 degrees should not be maintained, as at that temperature the life in the flower is, we believe, arrested entirely, and when the blooms are brought into a warmer temperature after being thus treated, they soon lose their beauty altogether.

But our best growers and largest shippers in the vicinity of New York, hold their cut carnation flowers in a temperature of between 45 and 50 degrees. The satisfactory condition of these blooms on arrival at the salesrooms, and the big demand for the flowers of these particular growers, prove that the conditions afforded are *right*.

Willis N., you have discovered this time not a "mangy dog," but "a mare's nest."

Fragrance in the Rose.

From the scale of points adopted by the American Rose Society, and appearing in our issue of October 13, page 975, it is evident that the framers of the scale place but a very small value upon the attribute of fragrance as possessed by novelties in roses seeking recognition at the hands of the American Rose Society. In this particular the association in question seems to be following in the footsteps of the American Carnation Society, which body considers fragrance in the divine flower, one of the least important "selling" factors inherent in the carnation.

It would be interesting to know whether the decision arrived at in this connection by the respective scale-makers is the result of a belief that the olfactories of the present day judges are incapable of performing their natural functions, with a consequent likelihood of injustice being done a flower, so far as awarding points for odor is concerned; or that the smelling organs of flower purchasers nowadays are proof against the delightful impressions made by the odoriferous particles possessed by a rose or a carnation, and which at one time constituted one of the greatest charms of these flowers.

It is, we believe, unfortunate that societies banded together for the *improvement* of special flowers, should, for the purpose of pandering to the caprice of fashion, imagined or real, encourage the production of a scentless (or nearly so) race of blossoms, to which that attribute has hitherto proved such a magnet, and the charm of which has been lauded in song and story.

We now hope to see the scale "defined," so that it may become "a standard to judge by."

The Gardener.

The term gardener implied much more a few generations ago than it does today. Young men paid heavy premiums to get in as apprentices under learned gardeners, and when at the end of the term they were invested with the "Blue Apron," most of them would compare favorably, in general intelligence, with the graduates of our modern universities. —*Meehan's Monthly.*

Is not the analogy a little far-fetched, and whether is the joke on the grnduate or the gardener? There are some who yet hold to Burns' opinion of graduates, himself the son of a gardener, that these individuals "go into college stirks, and come out asses." Despite the abolition of the premium system, we firmly believe the average of general intelligence among gardeners is as high to-day as it was two generations ago. The same fountains of learning at which wisdom may be drunk are available; the same indomitable perseverance in the pursuit of knowledge is still extant, and, certainly, in many ways a higher degree of cultural skill has been attained, with attendant improvement in accruing results consequent upon advancement along educational lines. We do not think that the passing years have in any way altered the significance of the term "gardener," accepted in its truest sense, and in countries where a gardener is a gardener. Of course, the world over, there are gardeners and gardeners, just as there are graduates of universities, and graduates, etc.

Worcester, Mass.

The Worcester County Horticultural Society celebrated its 60th anniversary, October 11, with the finest and largest exhibition of fruits, flowers and vegetables it has ever given. The display of fruit was a great tax on the judge, taking five hours to render his just decisions. Palms, ferns and rare plants were also in abundance.

The annual dinner was held in the upper hall, at which the president, O. B. Hadwen, presided. Many guests were present. The past record of this society is something to be proud of. Among its membership have been many prominent men. It has furnished four governors, two United States senators and five representatives, one chief justice, four judges of the Superior Court, three judges of probate, three judges of Worcester police court; and the city with 14 mayors, two city treasurers, and 26 bank presidents. It stands to-day the second wealthiest horticultural society in this country. With this exhibition ends the shows for this year. The society has done much to bring to a high standard the quality of its exhibits, as none but the very best can hope to win here. J.

Boston.

The Market.

General business this Fall is admitted to be later than usual in opening up. This condition is attributed partly to the weather and partly to the presidential election, with its consequent anxiety. The market is very well, in fact, too well, stocked for the demand. Roses continue very plentiful, but the finer grades have not yet materialized, except on American Beauty. The latter sell fairly well. A few Kaiserin and Carnot are also to be had, of very good quality. Bride, Bridesmaid, Liberty, Meteor, Morgan, etc., may be all classed together, in that they are all coming poorer than should be the case at this season of the year.

Carnations under glass are coming along very rapidly. Chrysanthemums, too, are becoming more plentiful daily, and prices are gradually dropping. About the same varieties are seen as those mentioned a week ago. Nicholson brought in a few red ones last Friday. White kinds, mostly Bergmann, bring 75c. to $1.25 per dozen, and pink and yellow sorts realize $1.25 to $1.50 per dozen.

Violets are improving in size and color; they are also more plentiful, meeting with a very good demand at 35c. to 50c. for single and 50c. for double varieties.

Cosmos is arriving of very good quality, selling at 25c. per bunch.

Annual Meeting and Banquet.

The stockholders of the Boston Co-operative Flower Growers' Association held their annual banquet and business meeting, Saturday evening last. About forty were present. Among the post-prandial speakers were Messrs. James F. Carroll, Francis J. Norton, E. Allen Pelree, Elisha N. Pelree, Fred R. Mathison, W. H. Elliott, E. Sutermeister, W. W. Tallby and William Nicholson. The remarks made were of a congratulatory character on the wonderful advance of the Association during the past year. The officers elected were: President, William C. Stickel; vice-president, William Nicholson; secretary and treasurer, George Cartwright; board of directors: L. H. Mann, W. W. Edgar, Peter Fisher, E. Sutermeister, John Walsh and E. N. Pelree.

Here and There.

The committee who had charge of the arrangements of the banquet tendered to Fred R. Harris on June 9, have out of the surplus funds presented to that gentleman a prettily embossed list of names of all who contributed to that pleasant affair. About one hundred names are included in the list, which was suitably framed. The committee consisted of Messrs. E. M. Wood, W. W. Edgar, M. H. Norton, F. R. Mathison and W. J. Stewart, and the presentation was made to Mr. Harris at his home.

The greenhouses of E. M. Wood & Co. present a very promising appearance for the Winter. Beauty, Bride, Bridesmaid, Kaiserin, Liberty, Golden Gate and Morgan are in splendid condition, and will throw a fine lot of flowers with the advent of cooler weather. Chrysanthemums, too, are looking very fine; the first cutting was made this week.

Anderson & Williams are cutting some very fine Kaiserin roses. Lawrence Cotter is sending in President Carnot of excellent quality, which find ready sale.

George A. Sutherland is getting regular shipments of good quality violets, both single and double.

Frank Good, who was with Mrs. Fadden at Newport the past Summer, has returned to this city.

President E. M. Wood, of the S. A. F. has received the Democratic nomination for representative to the General Court.

Welch Bros. are receiving shipments of Bon Silene roses daily. F. J. N.

Grand Rapids.

Trade News.

Fine weather continues; we have had no frost yet even to hurt coleus. Carnations are in fair supply and equal to the demand. Some good roses are being cut from old stock—those from young plants being of medium to poor quality.

The first chrysanthemums to bloom were Glory of the Pacific; Kalb and Bergmann being next in order. Kalb is an improved Bergmann; it has a larger, finer flower, and is equally as early, being also a taller grower. Last year the chrysanthemum season was a little earlier than the present.

The Michigan State Fair, held in Grand Rapids, was a financial success. This is the first season in a number of years that the fair has really paid. The floral display was not up to the standard of former years. The amateur exhibit was very creditable indeed and should be encouraged. Some of the plants were better than those that took premiums in the florists' section.

T. R. Renwick & Co., the oldest floral establishment in town, has gone out of business. G. F. C.

OBITUARY.

Henry Butler.

Henry Butler, 918 Broadway, New York, died at his home on Thursday evening last, aged 56 years. Mr. Butler was born in Germany, and came to this country when quite a young man, first securing employment with a grower in Astoria. Afterward he worked for Gabrielson and J. M. Hodgson, retail florists, entering into partnership with J. Fitzgerald in 1874, and conducting a retail store at 936 Broadway. Mr. Fitzgerald sold out his interest to Mr. Butler in 1877 and the latter subsequently operated the business until 1884 when he moved to 918 Broadway. He had been ailing for about two months. He leaves a widow and three children, one son, and two daughters.

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(208) **Asparagus plumosus nanus.**—Please state in your valuable paper the proper distance apart to plant Asparagus plumosus nanus.—C. B. S.

—Have the rows 15 inches apart and the plants 12 inches apart in the row.

(209) **Crown Rot of Violets.**—All the young center leaves of my violet plants seem to rot off, and black spots on them are numerous. On examining the leaves closely I find a small white maggot, or little white worm. Kindly advise me what to do to destroy the pest, and greatly oblige.—W. S. HEUZOG.

—The trouble with your violet plants is evidently what is termed crown rot, and the white worm is an effect of the rot rather than the cause of it. This rot is usually the result of too heavy syringing, or the drip from old or poorly constructed houses. To check its advances, pull away some of the heavier leaves to allow more air and light to the crown of the plants. Take equal parts of air-slacked lime and sulphur, mix them thoroughly together and dust the mixture well into the center of the plants.

(210) **Heating.**—I have now one greenhouse 20 x 63 feet, heated by a brick flue, and am starting another house of same size. I want to heat both with hot water, but don't know what kind of boiler is best—the ordinary cast iron, cast iron sectional, or wrought iron tubular. The fuel used will be fine bituminous coal, or what we call "slack." It is very cheap, and is used here almost entirely for steam boilers. Can soft coal be successfully used in a cast iron boiler? Are the cast iron sectional boilers in the experimental stage, or have they been in use long enough to have proved to be a success? They would appear to be an advantage where a greenhouse plant is growing (as I expect mine to), it being claimed that extra sections can be put in at any time. What are the disadvantages of the sectional hot-water heaters? What are the disadvantages of the common cast iron boiler? Which of the three kinds of boilers will furnish the most heat for the fuel consumed, and which is the most easily managed and kept clean? Second-hand wrought iron tubular boilers can be bought here at very reasonable prices.—I. V. KINDER, Pennsylvania.

—For two house like those described, about 1,100 square feet of radiation will be required for 60 degrees, and something over 800 for 50 degrees; but if slack coal is to be used for fuel, it will be well to have a boiler with a grate 50 to 100 per cent. larger than is used with hard coal. Under the conditions mentioned it will be well for inquirer to put in a 20-horse power tubular boiler, with 12 square feet of grate, while a larger size will not be objectionable, especially if it is proposed to enlarge the amount of glass to be heated.

As compared with tubular boilers cast iron heaters are considerably more durable, but at the same time they are more expensive. As a rule, they are not as readily cleaned as the tubular boilers, although many of them are adapted for use with soft coal. Most of the sectional boilers are efficient heaters, but although occasionally desirable, the sectional feature will not be found particularly valuable when the amount of glass is to be increased. Thus, when a plant contains 1,000 feet of radiating surface, and after a few years glass to require 500 to 1,000 additional feet is added, it will be better to put in another heater of the same capacity as the first one, rather than attempt to add new sections to the old one. Although the expense will be slightly more, this will soon be repaid in the saving of fuel, as one heater will suffice for all of the houses in mild weather, while in case of accident to one of the heaters, the other will keep out frost in any weather, while repairs are making.—L. R. T.

I have eight greenhouses, 100×18 feet, heated by a 40-horse-power boiler. The main supply pipe is 2½-inch, and the main return is 1½-inch. In each of the houses there is a 2-inch overhead flow, and four 1¼-inch return pipes on each side wall and partly across one end. The return pipes are about 2½ feet above the water line of the boiler and the main return is one foot below the boiler. Are the main pipes large enough, and how can I improve the arrangement of the piping to maintain 50 degrees?—K. & SON.

—Both of the main pipes are considerably smaller than will be desirable for use with low-pressure steam, as a 2½-inch main is only large enough for two of the houses. Including the mains there will be not far from 3,500 feet of radiating surface, and to secure the best results the main supply pipe should be 4-inch, until two houses have been taken off. The pipe can then be reduced to 3½-inch and further reductions can be made for each two houses taken off. The return can start at 1¼-inch and increase gradually to 2-inch or, better yet, to 2½-inch after the last house has been joined. With mains of proper size the radiation in the houses should easily keep them at 60 degrees except in zero weather. One 2-inch supply, and eight 1¼-inch pipes in the coils, answer very well for an 18-foot house with wooden walls.—L. R. T.

I have two greenhouses with a common wall between them. One house is 17 × 82 feet, 11 feet to the ridge, with a board wall at the back four feet high. The other house is 22 × 82 feet, 9 feet to the ridge, with a brick front wall. Both houses are three-quarter span. How large a boiler will be required to heat these houses to 60 degrees in zero weather, and how should the houses be piped?—W. S.

—The two houses will need about 800 square feet of radiation, and to supply the heat the boiler should have at least 7½ square feet of grate surface, and be rated as able to carry 1,000 square feet of radiation, or 10 horse-power, while a boiler with 12 horse-power capacity will be more economical of labor. For the narrow house one 2-inch supply and ten 1¼-inch returns will suffice, while the other house should have one 2½-inch main with 11 1¼-inch returns. The flow pipes may be on the center posts below the ridge and the returns may be on the walls or under the benches, according to the arrangement of the houses and the uses to which they are to be put.—L. R. T.

I am building a house 22 feet wide, 12 feet to ridge, 18 feet slope to the south, 8 feet to the north side, 8 feet on the north, 5 feet on the south. Kindly tell me amount of pipe, preferable size, and position of heating medium.—L.

—The amount of pipe required will vary with the temperature desired, and the minimum outside temperature that might be expected, while the size of the flow pipes would be larger in long than in short houses. In a general way, it is safe to estimate that for 60 degrees, when the outside temperature is seldom under 12 below zero, a house of the size described can be heated with three 2½-inch flow pipes, and 12 2-inch returns, if the length is not over 100 feet. All of the pipes may be on the walls, or under the benches if preferred, but especially if the top of the boiler is not lower than the level of the walks, a better circulation can be secured if the flow pipes are elevated. In a three-quarter span house it is generally possible to run one pipe on the south plate and the other upon the purlin and ridge posts.—L. R. T.





Views in Acme Nurseries, Galveston, After the Storm.

A Thrifty Scotch Gardener.

James Howie, a Scotch gardener, died at New Rochelle, N. Y., October 5, leaving a fortune of about $90,000. He was for many years employed by the Rev. Dr. Bolton, the historian of Westchester, but when the Bolton property at Pelham was sold seven years ago he went to the New Rochelle Tavern to live, and he worked at any odd jobs that he could get. His rule of living was not to spend more than 10 cents for a meal. One apple was his usual supper.

A week ago Howie became ill, and was taken to the New Rochelle Hospital. He died there of old age and exhaustion.

In the old man's trunk were found nine bags of gold coin, seven savings bank books, showing deposits of $17,000, the interest of which had not been entered in the bank books for 30 years, 60 shares of New York, New Haven & Hartford railroad stock, several real estate mortgages, a lot of bank notes and a gold watch. There were also two wills. By the terms of the first one, dated in 1893, everything was to go to Howie's three nephews in Chicago. The other will, dated in 1898, gives everything to Howie's sister, Mary Scott of Kelso, Scotland.—BOSTON HERALD.



Insertion will be given in this column to all communications free from animus, but the opinions expressed do not necessarily reflect our own.

Sterilizing Soil.

Editor Florists' Exchange.

I think I can enlighten "Subscriber" in regard to a cheap and effective method of sterilizing his soil: Place the soil on the benches in the greenhouse. If it is desired to use the old soil over again, work it well over with a spade. Bring in, also, all the manure intended to enrich the soil. Now wait for a bright sunny day. Shut all doors and ventilators, and the sun and glass will give the soil all the sterilizing necessary, if this be kept up for three or four days. If the sun is not thought hot enough light the fires. The soil can be wetted down if steaming is believed in; but it is not necessary.

This is not guess-work, but has been practiced by myself and others, year after year.

C. EVERDING, N. H.

Fall Sown Asters.

Editor Florists' Exchange.

The curious fact mentioned in one of your contemporaries that aster plants from Fall sown seed withstood disease better than plants from Spring sowing, is something that seems worthy of further trial. I should be surprised, however, if definite benefits followed the Fall sowing every time.

On two occasions I have seen, late in the season, a well-marked line across a piece of branching asters caused by a few hours' difference in the time of setting the plants. In one case the plants were set in the morning and afternoon of the same day; in the other case, in the evening and the following morning. In each instance the seed came from a single package, and the plants from a single sowing in the same seed bed. The poorer plants showed the diseased condition that follows the punctures of the tarnished plant-bug. Probably one set of plants received more of a check in transplanting than the other; and the vitality was thereby so much impaired that the plants were unable to outgrow the effect of insect injury. Curiously, too, plants left thin in the seed bed have sometimes been the worst of all.

Possibly the success of Fall sowing may be a case of survival of the fittest, the seeds of low vitality that have lain exposed all Winter not germinating in Spring. GEO. ARNOLD, JR.

Rochester, N. Y.

The circumstance referred to by our correspondent is narrated in American Gardening, issue of October 6. We quote from the article as follows:

"We discovered this Spring that the aster withstood the rigor of Winter in our own trial grounds and came up abundantly. The plants were so thrifty and looked so well that we were tempted to use them. At the same time in the regular way, asters of various kinds were sown in the Spring and transplanted. Of these we had a fine stock. They flourished for a while, began to show their blossoms and then began to go off with the fatal diseases. Not so the plants that had been transplanted in parallel rows from the Autumn-sown seed; these grew and flourished, not a single plant has been lost and at the time of writing, October 3, the lateral branches are in full flower.

"In the early part of the season, preference for plant and blooms would go to the Spring sown; they appeared more vigorous and started in to throw much larger flowers. The Autumn-sown plants were sturdy, came into bloom a few days later, and while the blooms have been all the season uniformly good they have lacked the size of well-grown plants sown in the Spring and which have escaped these diseases.

"Anyone wishing to repeat this test will do well to sow seed immediately. We do not guarantee that this is a panacea against stem rot and rust, but simply make the statement that it has been a decided success with us this season."

BRIEFS FOR BUSY FLORISTS.

DEUTZIA.—Lift a few medium-sized plants from the garden and pot them. Stand the pots back outdoors, and pack leaves or litter between them to prevent the frost from reaching the roots of the plants. After December comes they can be brought indoors and forced into bloom easily. Where funeral work is done, the flowers can be used to the very best advantage; not as bo y work, but as a finishing touch. For a design made when flowers are rather interior, deutzia sprays are invaluable; and by bringing in a few plants at a time, the supply of bloom can be prolonged, according to the number of plants at command.

DOUBLE SWEET ALYSSUM.—Cuttings should be taken from the strong plants that are yet blooming in the garden. These come in very useful to plant in a corner of a carnation house, and, later, will furnish a supply of cuttings for Spring trade.

DUTCH BULB OUTSIDE.—The planting of these bulbs should be pushed to completion as soon as possible, while the ground is in a favorable condition to receive them.

VERBENAS.—Take cuttings of the best kinds and put them in sand, in a cool house; when rooted, transplant into flats where they may remain until January 1. Then pot them off and start them growing, and they will furnish an almost endless supply of cuttings.

ALTERNANTHERA.—Stock plants of these should be taken into the greenhouse at once, if not already done. Take in enough of them so that there will be no shortage of cuttings when the time comes to propagate.

Raising Palms from Seed.

In the raising of any plant from seed, the first essential is to procure seed which is good and fresh. Though this may look like a stereotyped observation, it is nevertheless necessary here, as, in the first place, palm seed is by no means a cheap commodity, and if it fails to germinate it means considerable loss. In the second place, some of the varieties, being slow to germinate, would be occupying valuable space for months that might be utilized for growing something else. I would suggest to anyone about to embark on this enterprize to arrange with some reliable seedsman to send seeds of the different palms as these arrive (which they do at different times, usually somewhere from October to April), and plant the seeds as soon as they come to hand. We prefer to use seed pans in which to plant, but have also succeeded well with boxes. Either should be about four inches in depth, to allow of liberal drainage, and about two and a half inches of soil. A compost of equal parts of good sod soil, peat, and sharp sand (and finely sifted), with the addition of charcoal, will suit almost any of the varieties of palms.

After ample drainage material has been placed in the bottom, cover with about two inches of soil, pressing this moderately firm. Sow the seed rather thickly, just allowing enough space so that the one seed will not disturb the other in pushing up. This, for the larger seeds, but a little space should be left between the smaller seeds, so that the plants, when started, will not be overcrowded.

The depth of covering must be regulated by the size of the seed. To cover to about its own depth is a pretty safe rule. Press the soil evenly and firmly. Situation just after sowing is not a matter of great importance, so long as a suitable temperature can be maintained. This should not be less than 75 degrees. An ideal place would be a bench with bottom heat, but if the bench is needed for anything else, the seed will start just as well, placed under the benches, if, as soon as the growths begin to show, the seedlings are removed to lighter quarters. But care should be taken to have some arrangement made to insure against the drip from other plants getting into the boxes. These boxes should not be set directly on the floor. It is better to have them raised a little to allow of a free passage of air, and insure the uniform drying out of the soil.

Close attention and good judgment are required in the matter of watering, as either extreme is very apt to result in the loss of the seed, should it occur during the early stages of growth.

The time required for germination varies considerably with the different species. Latania borbonica is about the quickest to come up. Given fresh seed and all conditions suitable, it will take from three to four weeks to germinate. Cocos Weddelliana is about the slowest, taking about two to three months.

Potting up should not be done until after the second leaf is developed. Palms at no stage of their growth will do well if over potted, so it is better to start with as small a pot as possible—one just large enough to conveniently contain the roots being best. Ample drainage must not be neglected. A soil similar to that used for sowing the seeds in will be found suitable for the first potting, but for subsequent pottings a rather heavier soil is better. Less peat and sand had, therefore, better be used. Once well under growth the temperature can be reduced to not less than 65 degrees at night, when fire is employed, allowing a rise of from 15 to 20 degrees by sun heat. Keep the atmosphere moderately moist, and syringe freely during bright weather to keep the plants free from insects. Shading from strong sunlight is necessary, also all the air that can judiciously be given, to keep the growth strong and prevent drawing.

I would not advise beginners to go into growing the choicer varieties of palms until one has gained a little experience with the hardier and easier handled kinds, such as Latania borbonica, Kentia Forsteriana and Kentia Belmoreana. These, especially the latter two, will always find a ready market. Areca lutescens might also be included, being of comparatively easy culture, and usually a good seller. Cocos Weddeliana is a pretty little palm, but one of the hardest to grow and where its cultivation is attempted, I would advise planting the seed in small pots at once, as the plant makes a long tap root which is apt to be broken in potting from a pan or box. The pots can be plunged close together in flats to make them easier handled. Most of the varieties of phœnix are of easy culture, and hardy, but the demand for them is always more or less limited.

SCOTIA.

Cannas at Riverton, N. J.

A walk through the Dreer canna fields at this season enables one to form an excellent opinion of the merits of the various varieties. My guide was James Davidson, who makes this plant his particular study. Appended are his remarks:

"In the front row I place President Meyer, a most floriferous and continuous bloomer, a bright flower, extra large broad petal, foliage dark. Mrs. Kate Gray, a gorgeous flower, scarlet orange, large, solid petal, grand truss, foliage light. Madam Crozy is yet the finest in its class. The lovely sheen and warm color has not yet been imparted to any other variety. President McKinley is a splendid variety; one of the very best. Alphonse Bouvier is not so tall as usual, but is a fine canna. Duke of Marlborough is the darkest crimson in the collection. Souvenir d'Antoine Crozy is a grand gilt-edged variety; but Queen Charlotte is the best and most showy, having more gold in its petals than any other. First Bismark is a bright scarlet that attracts; it is a fine grower of medium height. F. Neuvessel cannot be excelled as a bloomer; while the petal is not very large, it has a leathery texture, which enables it to stand up like a regiment of soldiers. Souvenir du President Carnot is similar to Bouvier, but has dark foliage. Mlle. Berat is the finest carmine, highly satisfactory, unique in its class. Florence Vaughan and Comte de Bouchard are in the same category. Robert Christie is fine. Egandale is the best bronze-leaved variety, and as a bedder stands alone.

"Black Beauty has done remarkably well this season. It is the finest of the kinds with dark foliage, yet sent out.

"Mme. Leon Leclerc is as a butterfly in appearance, a very fancy kind. Italia, as usual, has done well; it is the showiest and most handsome of the species. J. D. Eisele is distinct in having a rounded petal, of great substance, a bright and pretty flower and good habit. Sam Trelease is another of the rounded petaled sorts, a bloom highly attractive, made so by a combination of scarlet and orange in the one flower. Souvenir de Robert Owen is a beautiful orange very free, the best in its class. Mme d'Or is the finest pure yellow; it does not bleach out in the sun."

There are many others, but the list has been considerably curtailed, and those kinds that have withstood the trying season here satisfactorily, are herein noted.

W. M.

Geranium Trials at Cottage Gardens, Queens, N. Y.

At regular intervals all through the Summer, Mr. C. W. Ward goes over his geranium fields, and judges each variety as it appears at that time, noting the general habit of the plant, the profuseness of blooming and such other qualities as go to make up the ideal bedding geranium. At the close of the season each variety can be thus correctly estimated by referring to the reports that were made, and filed away.

Through the courtesy of Mr. Ward we recently had the privilege of looking over his records of the different varieties, and we give below a list of such as have proved the best of their kinds during the past Summer. In single pink bedders, the best are Granville, Gertrude Pearson and Millfield's Rival. Double crimsons are Marvel, Richelieu, S. A. Nutt and Lafayette. The best aureole kinds are Mark Twain, Andrew Lang, and Mme. Blanche Jamet. In double scarlets the best four are Le Soleil, John Doyle, Pasteur and Alphonse Ricard. In single scarlets, Universe, J. P. Cleary, Chateaubriands, De La Vigne and Pluton. The best semi-double salmon varieties are Mme. Landry, Beaute Poitevine, Mme. Jaulin, and Mme. Charotte. Single salmons are Mme. Chas. Molin, C. W. Ward, Mme. de la Roux and Mme. J. Cibiel. Double salmons Rena Bazin, Nydia and Mathieu de Dombasle.

The double pinks that have proved the best are Jean Viaud, Mme. Barney, Mme. Phillip Labrie, Miss Frances Perkins, Comtesse de Castris and Mme. Desbordes Valmore.

In the double white varieties, there are four that are very satisfactory; these are Mme. Buchner, Comtesse de Uncourt, Eulalie and Mme Rozain. In single white the two leaders are L. Aube and Mrs. J. M. Gaar.

In the semi-double section of the aureole class the best are J. B. Varrone, Hubert Charron, Jean Remeau and Chas. Gounod.

The best double purple kinds are Marquese de Montmort, Cæsar and Kleber.



View of Interior of Show Room of Ed. Jansen, New York.

Show Room of Ed. Jansen.

Our illustration represents the show room of Ed. Jansen, New York, manufacturer of baskets and other specialties for florists' use, as it appeared during the S. A. F. convention in New York, at which time Mr. and Mrs. Jansen tendered a reception to the visiting delegates. The store is located at 112 to 116 West 18th Street, in a new six-story building recently erected by Mr. Jansen. Five of the floors are occupied by this business, two for manufacturing, two for stock, and one as salesroom and office. This place is always worthy of a visit from those in search of novelties in the lines in which Mr. Jansen deals.

Among the Magazines.

SCRIBNER'S.—The World's Fair in Paris is pictured and described in the November *Scribner's* from the points of view of an expert landscape gardener, Samuel Parsons, Jr., and an expert amateur photographer, Dwight L. Elmendorf. The magazine contains hosts of other interesting articles.



Chrysanthemum Committees.

President Herrington has announced committees to examine chrysanthemum seedlings and sports on dates as follows: October 20 and 27, November 3, 10, 17 and 24.

BOSTON, MASS.—A. H. Fewkes (chairman), Horticultural Hall, Tremont Street.

NEW YORK, N. Y.—E. Dailledouze (chairman), care New York Cut Flower Co., 119 West 23d Street.

PHILADELPHIA, PA.—A. B. Cartledge (chairman), 1514 Chestnut Street.

CINCINNATI, O.—R. Witterstaetter (chairman), care Jabez Elliott Flower Market (care of janitor).

CHICAGO, ILL.—J. S. Wilson, care J. B. Deamud, 51 Wabash avenue.

Exhibits to receive attention from the committees must in all cases be prepaid to destination, and the entry fee of $2 should be forwarded to the Secretary not later than Tuesday of the week preceding examination.

EDWIN LONSDALE, Secretary.
Wyndmoor, near Philadelphia, Pa

Coming Exhibitions.

(Secretaries of other shows will oblige by sending us schedules.)

We can supply you with a handsome lithographed chrysanthemum poster, 22 x 28, just the thing for advertising your exhibition, attractive and unique, and suitable for window display. Write us for sample and particulars as to prices, etc.

SAN FRANCISCO, CAL., October 25-27.—California State Floral Society. Mrs. Henry P. Tricon, Secretary, 846 Grove Street.

POUGHKEEPSIE, N. Y., November 6-8.—Dutchess County Horticultural Society. W. G. Saltford, manager, Poughkeepsie.

HARTFORD, CONN., November 6-9.—Connecticut Horticultural Society. L. H. Mead, Secretary, Hartford.

BOSTON, MASS., November 6-9.—Massachusetts Horticultural Society. Robert Manning, Secretary, Horticultural Hall.

CHICAGO, ILL., November 6-10.—Chicago Horticultural Society. W. N. Rudd, Secretary, Room 1002, 185 Dearborn Street.

MADISON, N. J., November 7-8.—Morris County Gardeners and Florists' Society. Charles H. Atkins, Secretary, Madison, N. J.

DENVER, COL., November 7 9.—Denver Florists' Club. A. M. Lewis, Secretary.

TARRYTOWN, N. Y.—November 7—9, Tarrytown Horticultural Society, William F. McCord, secretary; M. J. Connellan, manager.

NEWPORT, R. I.—November 13-15.—The Newport Horticultural Society. Recording Secretary, Robert Johnston, Harbourview.

COLD SPRINGS, N. Y., November 8-9.—Putnam County Horticultural Society. John A. Connolly, Secretary.

WACO, TEX., November 13-17.—Texas State Floral Society. Mrs. M. B. Davis, Secretary, Waco.

PHILADELPHIA, PA., November 13-17.—Pennsylvania Horticultural Society. David Rust, Secretary, Horticultural Hall, Broad Street.

PROVIDENCE, R. I., November 14-16.—Rhode Island Horticultural Society. C. W. Smith, Secretary, 61 Westminster Street.

ST. LOUIS, MO., November 14-16.—St. Louis Florists' Club. Emil Schray, Secretary, 4101 Pennsylvania Avenue.

HOUSTON, TEX., November 15-16.—Mrs. M. E. Bryan, Secretary.

BALTIMORE, MD., February 21-22 1901.—American Carnation Society. Vibert M. Herr, Secretary, Lancaster, Pa.

NEW YORK, March, 1901.—American Rose Society, Leonard Barron, Secretary, 136 Liberty street.

Chrysanthemum Society of America.

The advantages of a Fall meeting of the Chrysanthemum Society of America, in connection with any one of the large shows, and a good deal along the same lines as the Carnation Society, are obvious. The meeting would be a direct benefit to the Society, and incidentally to the local show in question. It would certainly be a good advertiser, to receive attention from the National Society; at the same it would stimulate interest of general moment in the Society at large.

As with other business matters, the success of the enterprise would largely depend on the executive ability of the promoters. Should such an event be attempted, please eliminate any entertainment provided at the expense of local clubs. Hospitality has its own code of courtesy, pleasant to give and receive; but should not be taxed to any extent that is a strain on the party of the first part, likewise the party of the second part. GROVE P. RAWSON.



Chrysanthemum Primo.
An early white variety.

Chrysanthemum Primo.

Primo was the first chrysanthemum certificated last year, and fulfills all expectations. It was fit to cut as soon as Fitzwygram, under same conditions, but double and treble the size of that variety, with perfect stem and foliage. Its growth is healthy, robust and compact, and the habit all that can be desired. The flower is of the Japanese type, full and deep in color, clear white, not yellowish, like Bergmann.

This variety as it becomes known must certainly come to the front as an extra early white.

Chrysanthemums are all looking well—a remarkably even lot. A house or two of high-grade second year seedlings are especially promising. I confidently expect several of them to rank with William H. Chadwick.

GROVE P. RAWSON.

Keeping Dahlias Dwarf.

Editor Florists' Exchange.

As we have had so many questions asked in explanation of our paper read before the Pennsylvania Horticultural Society, in regard to keeping dahlia plants dwarf, I send you enclosed copy of a reply sent to one of the inquirers which will serve a general purpose.

L. K. PEACOCK.

"There are different methods of keeping dahlias dwarf without checking their growth. We ourselves follow several, one in conjunction with the other. In the first place, we do not make our ground too rich in the beginning. Secondly, as soon as the shoots appear, we pinch them out. This is known as the single pruning system. Of course, we remove, as stated in our book, all but the strongest. Then we stir, or cultivate, the soil very deeply, in many cases from 4 to 6 inches. This is really root pruning, and while it does not check the growth of the plant, it checks the rapid growth. As soon as the plants commence blooming, we cultivate lightly, only 1 to 1½ inches deep. This gives the full strength of the soil to the plant, and the flowers are, consequently, large, and are produced in quantities. When the flowers commence to get smaller we top-dress the soil with pure bone meal four parts and nitrate of soda one part. This top dressing we renew as often as the flowers show that it is needed.

"In regard to pruning the plants, I would say that all we do is to remove all the shoots but the one strongest in the beginning. You then have but one strong, sturdy stem. All the pruning we do after that is to cut the flowers, and as we keep cutting out the tops of the plants in cutting the blooms on good stems, the lower shoots develop and flower, materially keeping the plants low and dwarf. This, of course, is in open ground, or field culture.

"If plants are grown in a garden, or anywhere where they cannot get plenty of pure air and sunlight, I doubt if this system would be satisfactory. In other words, without plenty of air and sunlight the plants would grow tall, and would have to be staked any way."

Baltimore.

Market Conditions.

Fine weather has at last set in after a period of dull and damp days. The first killing frost happened Wednesday.

An outside bed of heliotrope, covered with a frame and glass, may be kept for two months, and furnish fine flowers. Note how much more fragrant it is when covered than if left in the open air.

Chrysanthemums are very late this year. The best white and pink kinds have been sent in by Weber & Sons, Oakland, Md., the varieties being Glory of the Pacific, Willowbrook, George S. Kalb.

Retail trade is spasmodic, but picking up a little.

The absolute absence of the Republican party emblem from the buttonhole of the Maryland voters, seems to reaffirm the historic political tendency of our state; but what an opportunity our florists missed in not urging the American Beauty as the flower of Democracy!

The Park Board is planning new street and park improvements, and City Landscape Architect Seybold is kept busy at his table and desk.

Mr. Hamilton, head gardener of Druid Hill Park, is building substantial additions to his propagating houses. The palms in the conservatory, under the charge of Charles Wagner, have done finely this season.

Mr. Smith is erecting two large houses at his place on York Road, Waverley.

The hot and dry Summer, followed by the late rains, has produced many freaks of vegetation. Some lindens (European) which had shed their leaves, are out in full Spring glory in the parks. Pyrus japonica may be seen in bloom in some of the squares. An early Winter is sure to do considerable harm to ornamental shrubs and trees.

A hint to florists, who want flowers of distinct and pleasing character in February and later; Pyrus japonica (syn. Cydonia jap.) may be easily forced into bloom in a warm and shaded palm houses even the branches, cut and placed in water, will produce their pretty flower; in 75 to 80 degrees of heat. In vases of Japanese design the blooms are very pretty, and should make a becoming decoration for tea parties. The color does not come out so bright as in their natural vegetation, the red variety taking a soft pink tint. If kept out of sunlight the flowers will last four to six days. Plants should be lifted and potted in August, and must, of course, not be allowed to start growth anew; if for cut blooms only they may be taken in direct from the nursery after January 1, and will bloom in 20 to 25 days. T. E.

West Hoboken, N. J.

John Birnie has a fine lot of chrysanthemums in his houses this Fall. Glory of The Pacific, Polly Rose, Ivory, Pink Ivory and Bonnaffon are the principal kinds grown. Cutting of the first-named sort was commenced the beginning of this week.

In one of the carnation houses a batch of The Marquis is planted. They seem to have done much better in the field than has been the case with those of some growers, who are trying this variety. The plants are now well established, and plenty of buds are in sight.

Buffalo.

Trade Notes.

On Tuesday of this week, after a smart shower, the weather turned cooler. The recent warm condition threatened to injure fruit interests sadly through affecting marketing and keeping qualities. W. C. Stroh, a carnation grower of Attica, ventured the opinion of its producing as well a soft growth in carnation wood that is undesirable.

Some wedding work in decorating and bouquets, with calls for funeral emblems, have livened up store trade somewhat. Store decorations for "openings" have been called for some, but inclined to modest expenditures.

Flowers have been fairly abundant in the most needed kinds. Chrysanthemums of good quality are now in regular display in the windows, and orchids are seen more freely than usual.

Jottings.

William Scott has been absent on a Pan-American promoting tour for some time.

A club meeting was announced for Wednesday afternoon of this week at the New Gruener Hotel.

Recent visitors included William G. Bertemann, Indianapolis, Ind.; W. A. Manda, South Orange, N. J.; and among travelers, J. L. Killen and S. S. Skidelsky, both reporting fair business, and J. R. Fotheringham, representing F. R. Pierson Co., of Tarrytown, N. Y. VIDI.

Toronto.

We have been having beautiful weather for some time now; with no frost as yet hard enough to cut off coleus. Dahlias are still in full bloom, even in exposed places, and a great many fine flowers are coming in. Business is good with an adequate supply of stock; the only surplus of flowers being in second-class roses and dahlias. There has been a very considerable quantity of funeral work, and quite a few wedding orders. Carnations are fairly plentiful. Violets are also coming in more abundantly, and the quality continues to improve. A few additional chrysanthemums are seen around, but these flowers are by no means plentiful yet. Cattleyas are not abundant, but those seen around are good.

Boston ferns appear to be very plentiful. Dunlop had a fine window decoration of Autumn leaves, berries and Liberty and Meteor roses last week.

Tidy has been showing some very fine early chrysanthemums and good violets; Simmons has some good roses and dahlias.

The marketmen, on Saturday last, did a fair trade in plants and cut flowers. All the growers are thankful for the fine, warm weather, especially when they think of the price of coal. T. M.

Ottawa.

The Fall weather has been the finest ever experienced in Ottawa, October 22, and no killing frost, but grand, sunny days. Good carnations are being picked and roses are also very fair. Liberty is showing all the good qualities claimed for it.

Chrysanthemums, Bergmann and Glory of the Pacific, are just in, and sell well. Graham Bros. are picking some very fair violets. Trade is improving, as our society people are now getting home.

R. Wright, of Aylmer, has rented a good store in one of the best locations in the city, and has nearly completed the decorations therein. He will open up in the course of a week, with a grand show of chrysanthemums, etc. E.

TOBACCO STEMS
"Good Strong Kind."
60 CTS. PER 100 LBS.
BALES WEIGH 500 LBS.
TOBACCO DUST
"THE BLACK STUFF."
Fine or Coarse to Your Order.
50 to 1000 lbs., 2 cents per pound.
H. A. STOOTHOFF,
110 WEST STREET, NEW YORK CITY.
Mention this paper.

Galax Leaves

CHAS. H. RICKSECKER, Linville, N. C.

Mention the Florists' Exchange when writing.

200,000 Peach Trees

This stock is thrifty and healthy. All grown from Tennessee pits. No better Peach stock to be had.

Address

STEPHEN HOYT'S SONS, New Canaan, Conn.

Mention the Florists' Exchange when writing.

COLEUS

Fine stock in 2½ and 3 inch.

Write for Prices.

J. E. FELTHOUSEN, Schenectady, N.Y.

Mention the Florists' Exchange when writing.

GERANIUMS.

100,000 Rooted Cuttings.—Francis Perkins, A. Ricard, John A. Doyle, J. J. Harrison and Leonard Kelway, $2 00 per 100; $15.00 per 1000. S. A. Nutt, Beaute Poitevine, La Favorite, E. J. Daugiede, Mme. Dabouche, A biete, Acteon, C untess Castris, Clare Fremnot, Pres. Du Bois, and others, $1.50 per 100; $12.00 per 1000. D. Grant, $1.00 per 100. Mme. Soller 1, $1.25 per 1 0; $1 .00 per 1 00.

Abutilons, Savitzii, trailing and 5 others, $1.50 per 1 . **Weeping Lantanas,** $1.25 per 100. ☞Special prices on large order.

CASH WITH ORDER.

C. A. HARRIS & CO., Delanson, N. Y.

Mention the Florists' Exchange when writing.

BOSTON FERN

Extra fine strong plants, from the bench. Prices, 25c., 35c., and 50c. This is an opportunity to secure the very best stock for the money yet offered. Also fine Specimen Plants, in pans, at $1.00, $2.00 and $3.50, f. o. b. New York City.

COOKE & McCORD, Tarrytown, N. Y.

Mention the Florists' Exchange when writing

FERNS!

Strong, transplanted, $1 50 per 100.

IVIES, strong, from the fields, $9.00 per 100.
VINCA Variegata, out of 6 inch pots, $12.0 per 100.
AMPELOPSIS VEITCHII, 4 in. pots, $9 per 100.
CARNATION McGowan, $3 00 per 100.
Cash with Order.

L. HOEBEL, FLORIST, FORT LEE, N. J.

Mention the Florists' Exchange when writing.

MYRTLE

For Cemetery and Ornamental Work.

SMILAX January sowing, transplanted to field in May, large, per 1 0, mail free, $2.0; smaller, $1 0
DOUBLE HOLLYHOCKS separate or mixed, white, red, yellow, pink, per 100, $1.00.
CALIFORNIA PRIVET, 2 to 2½ feet high, 2 to 4 branches, per 100, $3.50; 1½ to 2 feet, 2 to 4 branches, per 100, $2.75; 15 to 20 in. high, per 100, $2.25.
ECHEVERIA Secunda Glauca about 1 in. diameter, well rooted, a 1 00, $12; 1½ in., $15; 2 in., $20.
MARIE LOUISE VIOLETS, field-g own, per 100, $3 00. Cash with order.

F. A. BOLLES, E. 10th St., Lawnwood, Brooklyn, N.Y.

Mention the Florists' Exchange when writing.

5000 Euonymus Japonica

(Green), Three years, 24 to 30 in., a· $15.00 per 10 0.

MYRTLE (Vinca Min r), at $5.00 per 100. Cash with Order.

T. B. Hyatt & Son, Winfield Junction, N.Y.

Mention the Florists' Exchange when writing.

PALMS

Ferns, Asparagus, etc.

Write for Wholesale Price List.

EMERSON C. McFADDEN, Short Hills, N. J.

U. S. EXOTIC NURSERIES.

Mention the Florists' Exchange when writing.

HARDY HERBACEOUS PLANTS

STRONG CLUMPS. Now Ready for Delivery.

	100
Achillea, The Pearl, 3½ in. pots	$4 00
" Filapendula, 3½ in. pots	6 00
Alyssum, Saxatile Compacta field-grown	5 00
Artemisia (Wormwood), field-grown	5 00
Astilbe Japonic ., 5½ in. p ts	6 00
Aster, Nouvæ Angliæ, 3½ in. pots	5 00
" Pyramidalis Hybrid, 3½ in. pots	5 00
Anthemis Kelwayii, 3½ "	5 00
Aquilegia Vulgaris, mixed, field-grown	5 00
" " double white field-grown	6 00
" Chrysantha, field-grown	6 00
" Cærulea, "	7 00
Hardy Chrysanthemums, asst., field-grown	4 00
Caryopteris Mastacanthus, 3½ in. pots	4 00
Coreopsis Lanceolata, 3½ "	4 00
Clematis Davidiana, 3½ "	6 00
Campanula Pyramidalis, white, field grown	5 00
" blue, "	5 00
Chrysanthemum Uliginosum, "	6 00
Delphinium Formosum, "	5 00
" Sinensis Alba, "	5 00
" Elatum Hybridum, "	5 00
Digitalis Monstrosa, "	6 00
Funkia Sieboldi, Var. "	4 00
Funkia Subcordata Grandiflora "	3 00
Lavendula Vera, "	6 00
Lychnis Chalcedonica, "	3 00
Lobelia Cardinalis, 3½ in. pots	4 00
Linum Perenne, 3½ "	5 00
Gypsophila Paniculata, field-grown	5 00
Gaillardia Grandiflora, 3½ in. pots	3 00
Geum Atrosanguineum, field grown	5 00
Hemerocallis Sieboldi, "	6 00
Hardy Pinks, 5 varieties, 3½ in. pots	4 00
Hibiscus, Crimson Eye, 3½ "	3 00
Hardy Phlox, 12 var., 3½ "	4 00
Scabiosa Caucasica, field-grown	6 00
Monarda Didynea, "	5 00
Siberian Iris, "	4 00
Pyrethrum Roseum, "	5 00

CASH PLEASE.

EDWARD B. JACKSON, Stamford, Conn.

Mention the Florists' Exchange when writing.

DREER'S SPECIAL OFFER OF HARDY PERENNIALS

Varieties marked with a star (*) are specially suited for Cut Flowers.

	Per doz.	Per 100
*Achillea, The Pearl, 3-inch pots	$0 60	$4 00
" Filipendulina, strong	75	6 00
" Millefolium Roseum, strong	60	4 00
Aegopodium Variegatum, 3-inch pots	60	4 00
Ajuga Reptans Variegata, 3 "	1 00	8 00
Anemone Pennsylvanica, 3 "	75	6 00
* " Japonica Alba, 3 "	75	6 00
* " " Whirlwind, 3-in. pots	75	6 00
* " " Elegans, 3 "	75	6 00
* " " Lady Ardilaun, 3-in. pots	75	6 00
* " " Queen Charlotte, 3-in. pots	1 00	8 00
* " " Coupe d'Argent, 3-in. pots	1 00	8 00
Aquilegia Chrysantha, clumps	1 00	6 00
" " Alba, clumps	75	6 00
" Cœrulea	75	6 00
Arabis Alpina, strong	75	6 00
Asclepias Tuberosa, strong	75	6 00
Asters (Michaelmas Daisies), 12 choice varieties	75	6 00
Armeria Maritima	60	4 00
" " Alba	60	4 00
*Boeconia Cordata, strong	75	6 00
*Boltonia Asteroides, strong	75	6 00
* " Latisquama, strong	75	6 00
Callirhoe Involucrata	75	6 00
Campanula Aliaræfolia	75	6 00
" Pyramidalis	1 00	8 00
*Caryopteris Mastacanthus, strong	75	6 00
Cerastium Tomentosum, strong	75	6 00
" Boissierii, strong	75	6 00
Cimicifuga Racemosa	1 00	8 00
Clematis Davidiana, 1 year old	75	6 00
*Coreopsis Lanceolata Grandiflora, clumps	75	6 00
*Delphinium Chinensis, 1 year old	75	6 00
* " Formosum, 1 year old	75	6 00
* " Sulphureum, 2 year old	2 00	
* " Belladona, 3 inch pots	2 00	15 00
*Dictamnus Fraxinella, pink	1 00	8 00
* " " white	1 25	10 00
Dielytra Eximia	1 00	8 00
" Spectabilis, strong clumps	85	6 00
Digitalis, strong	1 00	8 00
*Doronicum Excelsum, strong	1 00	8 00
* " Austriacum, strong	1 00	8 00
* " Caucasicum, strong	1 00	8 00
Draba Androsacea, 2¼-inch pots	75	6 00
*Erigeron Purpureum, strong	1 00	12 00
Epimedium Lilacea, strong	2 00	15 00
" Macranthum, strong	2 00	15 00
" Niveum, strong	2 00	15 00
" Sulphureum, strong	2 00	15 00
Eryngium Planum, strong	1 25	10 00
*Eupatorium Coelestinum, 3-inch pots	75	6 00
Funkia Coerulea	60	4 00
" Alba	1 00	8 00
Funkia Variegata	$0 75	$6 00
" Thos. Hogg	75	6 00
*Gaillardia Grandiflora, 4-inch pots	75	6 00
" " clumps	1 00	8 00
*Gypsophila Paniculata, 1 year old	75	6 00
Geranium Sanguineum, strong	1 00	8 00
Geum Coccineum fl. pl.	1 25	10 00
*Helenium Grandicephalum Striatum, strong	75	6 00
* " Autumnale Superba, strong	1 00	8 00
* " Bolanderi, strong	1 00	8 00
* " Pumilum	1 25	10 00
*Helianthus Maximiliana	75	6 00
* " Multiflorus fl. pl.	75	6 00
* " " Maximus	75	6 00
*Heliopsis Pitcherianus, strong	75	6 00
" Scaber Major	1 00	8 00
Hemerocallis Dumortieri	1 00	8 00
" Flava	50	4 00
" Fulva	50	4 00
" Kwamso fl. pl	75	5 00
Heuchera Alba	1 00	8 00
Hibiscus Crimson Eye, 1 year old	75	6 00
" Moscheutos, 1 year old	75	6 00
Hollyhock Allegheny in choice mixture	1 00	8 00
" Choice Single, "	1 00	8 00
* " " Double "	1 00	8 00
* " " " in 6 separate color	1 25	10 00
*Hypericum Moserianum, 1 year old	75	6 00
Iris Germanica, 10 choice named sorts	75	6 00
* " Kæmpferi, 24 " " "	1 50	10 00
*Lobelia Cardinalis, strong	60	4 0
* " " Queen Victoria, 3 in. pots	75	6 00
" Apollo, 3 inch pots	1 50	12 00
" Syphilitica, clumps	60	4 00
*Lychnis Vespertina Alba, clumps	1 25	10 00
* " Chalcedonica, fl. pl.	1 50	12 00
" Haageana	75	6 00
" Semperflorens Plenissima	1 00	8 00
* " Viscaria Splendens, clumps	1 25	10 00
Lythrum Roseum Superbum	75	6 00
*Lysimachia Clethroides, strong	75	6 00
" Nummularia	50	4 00
Monarda Didyma Rosea, clumps	75	6 00
" Fistulosa Alba, clumps	75	6 00
Mertensia Virginica	1 00	8 00
Œnothera Speciosa, 3 inch pots	75	6 00
" Fraseri, 3 inch pots	75	6 00
" Cæspitosa, 3 inch pots	75	6 00
*Pardanthus Sinensis, strong	50	3 00
*Pentstemon Barbatus Torreyii, strong	1 00	8 00
" Cœruleus, strong	1 00	8 00
Phlox Subulata Rosea	75	5 0
" " Alba	75	5 00
" " Atropurpurea	75	6 00
" " Lilacea	75	6 00
" " Nelsoni	75	6 00
" " The Bride	75	5 00
Phlox Amœna	$0 75	$6 00
* " Divaricata Canadensis	75	6 00
*Physostegia Virginiana, strong	75	6 00
* " Alba, strong	75	6 00
*Pinks, in six choice varieties, clumps	75	6 00
*Platycoden Mariesii, clumps	75	6 00
* " Japonicum, fl. pl., clumps	75	6 00
Plumbago Larpentæ, clumps	1 00	8 00
Polemonium Cœruleum	1 00	8 00
" Himalayanum Album	1 25	10 00
" Richardsoni	1 25	10 00
Poppies Oriental, 3 inch pots	75	6 00
Primula Veris (Cowslip)	75	6 00
" Vulgaris, English Primrose	75	6 00
*Pyrethrum Uliginosum, strong	1 00	8 00
* " Hybridum, mixed seedlings, clumps	1 00	8 00
*Rudbeckia Newmanii, clumps	75	6 00
* " Sub-tomentosa, clumps	75	6 00
* " "Golden Glow," large clumps	1 25	10 00
* " " " strong	50	3 00
* " Purpurea, strong	1 00	8 00
Ranunculus Acris, fl. pl., strong	75	6 00
Santolina Incana, 3-inch pots	50	4 00
*Scabiosa Caucasica, blue	1 25	10 00
* " " Alba	1 25	10 00
Sedum Acre, clumps	50	4 00
* " Spectabilis	1 25	10 00
*Spiræa Ulmaria	1 00	8 00
* " Filipendula, fl. pl.	75	6 00
* " Chinensis	1 50	10 00
* " Aruncus	1 00	8 00
* " Venusta	2 00	15 00
*Statice Latifolia, 1 year old	1 25	10 00
*Stokesia Cyanea, 2½-inch pots	1 50	10 00
*Thalictrum Aquilegifolium	1 25	10 00
* " " Atropurpureum	1 25	10 00
Thermopsis Caroliniana, 1 year old	1 00	8 00
Thymus Montanus Albus, divisions	75	6 00
" Vulgaris Coccinea "	75	6 00
Tradescantia Virginica, strong	75	6 00
Trlcyrtus Hirta Nigra, 3 inch pots	1 00	8 00
*Tritoma Uvaria Grandiflora, clumps	1 50	12 00
" " " strong divisions	75	6 00
* " Pfitzeri	1 50	10 00
*Trollius Europæus	1 00	8 00
* " " Orange Globe	2 00	15 00
*Veronica Longifolia Subsessilis, strong	2 00	15 00
" Incana	1 50	12 00
" Rupestris, strong	1 00	8 00
" Spicata, "	1 00	8 00
" " Alba, strong	1 00	8 00
Viola Pedata	60	4 00
" " Bicolor	75	6 00
" Double Russian	60	4 00
" Hardy Yellow	75	6 00
Viuca Minor, very strong clumps	75	6 00
Yucca Filamentosa, strong	1 25	10 00

HENRY A. DREER, 714 Chestnut St., PHILADELPHIA, PA.

Have a Grandmother's Garden!

Old-fashioned Roses, Honeysuckles and Hardy Shrubs at low rates. Ready November 1st.

The Grove Gardens. Box 29, **Delaplane, Va.** Fauquier County.

Mention the Florists' Exchange when writing.

SNOWFLAKE New Everblooming Polyantha White Cluster Rose for Forcing. It will be a coming pure white standard material for fine design work, also for 6-inch pans, button hole, etc. True and good, by no mistake, easy to raise, easy to propagate. Plants, 2 in. pots doz. $2.50; 100, $15 00. 3 in. pots, doz , $4.00; 100, $25.00. Rooted Cuttings, in moss, by mail, per 100, $10. **Rex Begonia,** best 5 vars. on market, 2½ in. per 100, $5; from bench, 100, $1. **ALBERT KNAPPER,** Frankford, **Phila., Pa.**

Mention the Florists' Exchange when writing.

ROSE PLANTS

In varieties, from 2½ 3 and 4 inch pots. Write for prices. 100

Lemon Verbena, 3 in. pots	$4 00
Sansevieva Zeylanica, 3 in. pots	5.00
Asparagus Plumosus, 2½ in. pots	5 00
Asparagus Sprengeri, 2½ in. pots	4.00
Nephrolepis Cordata Compacta, 2½ in..	3.00
N. Cordata Compacta, 3 inch.. per doz.,	6.00

Field-Grown, Scotch **Hardy Plaks,** at $3.50 per 100; $30.00 per 1000. 6 varieties.

THE NATIONAL PLANT CO., Dayton, Ohio

Mention the Florists' Exchange when writing.

STOCK THAT WILL PLEASE

ROSES, Meteor, Bride and Maid, strong, 3½ in. pots, $4.00 per 100.
ASPIDISTRA, Green, $5.00 per 100.
" Variegated, $8.00 per 100.
SMILAX, strong, 2 in., $1.50 per 100.
JERUSALEM CHERRY, 2 in., $1.50 per 100.
FICUS, top cutting, fine, $18.00.

A. C. FEHR, Belleville, Ills.

Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS...
and Novelties in Decorative Plants.
Market and 49th Sts., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

ROSES

For Late Planting.

Strong, healthy plants of Bride, Perle, La France and Bridesmaid, from 4 inch pots, at $6.00 per 100.

ASPARAGUS SPRENGERI

Strong, 4 inch pots, $10.00 per 100.

DRACÆNA INDIVISA

Strong 4 inch pot plants, $8.00 per 100
Strong 5 inch pot plants, $12.00 per 100

I. H. MOSS, Govanstown, BALTIMORE, MD.

Mention the Florists' Exchange when writing.

ROSES

Perle	**Sunset**
K. A. Victoria	**Souv. de Wootton**

Strong clean plants, from 3 in. pots, $7.00 per 100 $65.00 per 1000.

Bridee	**Golden Gate**
Bridesmaid	**La France**
Boo Silene	**Maid of Honor**
Duchess of Albany	**Mermet**

Strong, clean plants from 3 in. pots, $6.00 per 100; $55.00 per 1000.

LIBERTY

12 plants for		$2 20
25	"	2 50
50	"	4 00
100	"	7 00

Strong, Field-grown **CARNATIONS** Healthy Stock

America, Gen. Maceo, Mrs. Geo. M. Bradt
1st size, $8.00 per 100; $70.00 per 1000
2d size, $6.00 per 100; $50.00 per 1000

Melba, Genl. Gomez, Armazindy.
1st size, $7.00 per 100; $60.00 per 1000
2d size, $5.00 per 100; $45.00 per 1000

Bon Ton, Frances Joost, Psyche.
1st size, $6.00 per 100; $50.00 per 1000
2d size, $5.00 per 100; $45.00 per 1000

Firefly, New York, Sea Shell, Victor, Thos. Cartledge, Alaska, Portia, Lizzie McGowan, Wm. Scott.
1st size, $5.00 per 100; $40.00 per 1000
2d size, $4.00 per 100; $35 00 per 1000

SMILAX strong plants, from 2½ in. pots, $2.50 per 100; $18.00 per 1000.

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

IF YOU NEED ROSES
Send us your list for prices.

THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.

Mention the Florists' Exchange when writing.

GIANT DOUBLE ALYSSUM 3 inch pots, $3.00 per 100.

CAMPBELL VIOLETS 2½ in. pots, $2.50 per 100.

Clean, Healthy, A No. 1 stock. Cash with order, please.
E. J. CLOUD, L. B. 32, **Avondale, Pa.**

Mention the Florists' Exchange when writing.

VIOLETS. VIOLETS.

Maria Louise, clean and healthy in every particular 3 in. pots, $5.00 per 100; ready.
Cash with Order.

WM. J. CHINNICK, - Trenton, N. J.

Mention the Florists' Exchange when writing.

VINCA Field-grown, strong, $3.00 and $4.00 per 100.
SMILAX Plants, Extra., 3 in.. $2.50; 3 in. good, $2.00; 2½ in., $1.25 per 100.
CASH, PLEASE.

J. H. DANN & SON, Westfield, N. Y

Mention the Florists' Exchange when writing.

FORGET-ME-NOT

True Winter flowering, fine plants, out of 3 inch, $2.50 per 100.

J. C. SCHMIDT, BRISTOL, PA.

Mention the Florists' Exchange when writing.

VIOLETS Large, field-grown clumps of **California,** 8 to 15 ins. across, grand stock, $3 00 per 100. Also 250 **Campbell,** in prime order, $4.00 per 100 to close out.

ALBERT H. BROWN, Westboro, Mass.

Mention the Florists' Exchange when writing.

FOREST TREES

We offer for sale the largest stock of Forest Trees in this country, Sugar, Norway, Sycamore, Silver Leaf and other Maples by the thousands. Also Liadens Poplars, Elms, Willows, Mt Ash, etc., in large quantities, as well as a general stock of other nursery products. Address

STEPHEN HOYT'S SONS, - New Canaan, Conn.

Mention the Florists' Exchange when writing.

600 FINE SMILAX PLANTS

2½ Inch Pots, **$2.00 per 100.**

CASH WITH ORDER.

WM. KEIR, - Pikesville, Md.

Mention the Florists' Exchange when writing

FIELD-GROWN

VINCA MAJOR VAR. per 100, $4.00
DARK VINCA VAR. " " $3.00

These are Fine Large Plants.

AMPELOPSIS VEITCHII, 2½ inch pots, at $2.50 per 100.

RUSSELL DAVIS, Xenia, O.

Mention the Florists' Exchange when writing.

CINERARIAS for Christmas Flowering, a superb strain, large flowered. 2¼ in., $2.00 per 100. 3.0 for $5.00

Chinese Primula, 2¼ in., $2.00 per 100; 3 in., $3.00 per 100.

Cyclamen Persicum Giganteum, 3 in., $6.00 per 100; 4 in., $8.00 per 100.

WHITTON & SONS,
Wholesale Florists,
City and Green Sts., - . UTICA, N. Y.

Mention the Florists' Exchange when writing

	Per 100
Ferns, in variety, 2¼ in. pots	$3.00
Cryptomeria Japonica (Japan Cedar) 2½ in pots	5.00
Cyperus Alternifolius (Umbrella Plant), 2 in. pots	2 00
" " 3 in. "	3.00
" " 4 in. "	5.00
Grevillea Robusta (Silk Oak), 4 in pots	7.00

LOW EXPRESS RATES.

J. S. BLOOM, Riegelsville, Pa.

Mention the Florists' Exchange when writing.

HEDGE PLANTS

Evergreen { HEMLOCK SPRUCE, NORWAY SPRUCE, AMERICAN ARBOR VITÆ.

Deciduous { CALIFORNIA PRIVET, OSAGE ORANGE, BERBERIS THUNBERGII, ALTHÆAS, ETC.

Various sizes at popular prices.

THE WM. H. MOON CO., Morrisville, Pa.

NURSERIES: { 60 mile from New York. { 30 miles from Phila.

Phila. Office: 702 Stephen Girard Bldg

Mention the Florists' Exchange when writing.

XMAS SPECIALTIES

BABY PRIMROSES, strong, A 1, 2¼ inch, $2.00 per 100; 3½ inch, $4.00 per 100.

BROWALLIA GIGANTEA, very fine stock, 2¼ inch, $3.00 per 100; rooted cuttings, $1.50 per 100.

Plants A 1, and your money back if not satisfactory. Cash, please.

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

5,000 VINCA MAJOR VAR. Field-grown, full 2 to 3 ft., $6 00 per 100.
California Violet Clumps, $3.00 per 100; L. H. Campbell, $5.00, fine.
Blue and Crimson Spiræa, 2½ in., 3c.; field-grown, 6c.
Alyssum, 2½ in., for winter, $2.50 per 100.
Marguerites, white, 4 in., 6c.
Boston Fern 5 in. 10 to 15 fronds, 15c.
Scott and Portia Carnations to close, $3.00 per 100 CASH, PLEASE.

BENJ. CONNELL, Florist, West Grove, Pa.

Mention the Florists' Exchange when writing.

PRIMROSE and CYCLAMEN.

Primrose latest improved large flowering fine plants, ready for 3½, $1.50 per 100.

Cyclamen Giganteum 3 in. $4.00 per 100

Extras added. Cash, please.

J. W. MILLER, Hatton, Pa.

Mention the Florists' Exchange when writing.

PINK BOUVARDIA

(Rosea Multiflora.)

Very fine plants from the field, $10.00 per 100.

Also some **Good Scott Carnation** plants from the field, $4.00 per 100; $35.00 per 1000.

CHAS. E. MEEHAN, Germantown, **Phila., Pa.**

Mention the Florists' Exchange when writing.

XXX STOCK For Immediate Shipment.

Cyclamen Persicum Splendens Giganteum, finest strain in the world, a splendid stock of plants, in bud, all colors, from 3 in. pots, $7.00 per 100; $65.00 per 1000.
Begonia Rex. I have a most beautiful collection of this justly popular pot plant, in the finest market varieties, from 2½ in. pots, strong plants, mixed, $4.00 per 100; labeled, $5.00 per 100.

ALL STOCK GUARANTEED A No. 1.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

PRIMROSES

	Per 100
Chinese Mixed, large flowering, fringed	$1 50
Obconica Grandiflora and Rosea	2 00
ASPARAGUS SPRENGERI, 2 in. pot.	2 50
ASPARAGUS PLUMOSUS. 2 "	3 50
PANSY PLANTS Large flowering, per 1000, $2.50; per 100, 50 cts.	

Cash, please.

JOS. H. CUNNINGHAM, Delaware, O.

Mention the Florists' Exchange when writing.

CANNAS Extra large clumps $3.00 per doz. Chas. Henderson, Chicago, Pres. Cleveland, Philadelphia, A. Bouvier, Paul Marquant, Queen Charlotte, Mme. Crozy, Black Prince, Duke of Marlboro, Le Clerq, Burbank, etc. **Shellrond Greenhouses, Grange P. O., Baltimore, Md.**

Mention the Florists' Exchange when writing.

CYCLAMEN GIGANTEUM

4 colors, 4 inch pots, $10.00 and $12.00 per 100. Choicest strain, finely marbled, well set and in splendid condition.

Cineraria Hybrida Grandiflora Mitchell's Giant Prize, 2 inch, $2.50 per 100.
Primula Forbesii (Baby Primrose), extra fine plants from 3 in. pots, ready for 4s and 5s, only $5.00 per 100.
Heliotrope, dark, 3 inch, bushy, $3.00 per 100.
Vinca Variegata, field-grown, strong $4.00 per 100.
MARS GERANIUM 3 in., stocky, $4.00 per 100.
Begonia Rex, 15 varieties, 3 inch, $5 00 per 100.
Flowering Begonias, 2 in., 15 vars., $2.50 per 100.
Cyperus Alternifolius, 3 in., fine, 5 to 8 stems, $5 00 per 100. Cash with order, please.

GEORGE J. HUGHES, Berlin, N. J.

Mention the Florists' Exchange when writing.

MAKE MONEY

BY SECURING SOME OF THESE BARGAINS.

$100.00 worth of Electrotypes for $40.00 many of them have never been used. Cost $120.00.

40,000 Cane Stakes, 5 to 8 feet; the lot for $80 00.

5000 Austria Canna Roots, will sell for November delivery, at 10 cts per bunch, 15 to 25 eyes to bunch; not less 50 bunches at this price.

1000 or more Seedling Canna Roots, some of these are very odd and will prove valuable, $50.00 for the lot.

Bargains in Palms, Tea Olive, Asparagus.

WRITE FOR PRICES.

C. S. TAIT, Brunswick, Ga.

Mention the Florists' Exchange when writing.

CANNAS

Dry roots, ready in November. 30 best named sorts. $15.00 per 1000.

CALADIUMS Fancy leaved. 40 named sorts.

Dry bulbs, 1½ to 2½ in., at	$10 00	per 100;	$90.00 per 1000
" " 1 to 1½ "	8.00	"	70 00 "

ORANGES Best sorts, grafted on Citrus Trifoliata.
Beautiful plants, bushy, 15-18 in., $30.00 per 100

PHOENIX CANARIENSIS AND TENUIS
Very Stocky.

3-4	characterized leaves,	15-18 in.,	$15.00 per 100
4-5	"	20-24 "	25.00 "
5-6	"	24-30 "	40.00 "

PHOENIX RECLINATA Very Stocky, 3-4 characterized leaves, 15-18 in.. $25 00 per 100.

LATANIA 4-5 characterized leaves, 18-20 in., $25.00 per 100

BIOTA AUREA NANA Best dwarf Biota, 12-15 in., $12.00 per 100

Not less than 50 at above rates.
Send for Price List.

P. J. BERCKMANS CO., Augusta, Ga.

Mention the Florists' Exchange when writing.

100,000 GERANIUMS—ROOTED CUTTINGS.

SEND FOR LIST AND PRICES.

	Per 100
Asparagus Plumosus, 2¼ in.	$5 00
" **Sprengeri,** 2 in.	3 00
" " 2¼ in.	4 00
Baby Primrose, 2¼ in.	4 00
Begonia Rex, rooted cuttings	2 00
Lemon Verbena, Extra 2 and 2¼ in. at $3.00 and $4.00 per 100.	

	Per 100
Forget-me-not, (winter), rooted c'gs.	$2 00
" " (winter), 2 in.	3 00
" " 4 in.	6 00
Violets, Farquhar, 2¼ in., free of disease.	2 50
Vinca, 2¼ in.	$3 00
" 4 in.	10 00
" 5 in.	15 00
" rooted cuttings, $10.00 per 1000.	1 25

Send for Descriptive Circular and prices for the best Florists' Hose Nozzle.

TERMS CASH or C. O. D.

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

SPECIAL OFFER

10,000 CHINESE PRIMROSES.

For the next Two Weeks we will sell our

Finest Strain of Separate Colors, Single and Double Primroses for **$2.50 per 100: $20.00 per 1000.** All Colors Mixed, **$2.00 per 100; $15.00 per 1000.**

Plants are Extra Fine, 2½ Inch Pots. TERMS CASH.

ADDRESS

S. ALFRED BAUR, Successor to HENRY NIEMEYER, **Erie, Pa.**

Mention the Florists' Exchange when writing.

The Liberty Rose at Home.

At the establishment of Ernst G. Asmus, West Hoboken, N. J., large additions to the glass area have been made during the past season. As is well known, roses are a specialty here. Liberty has 12 houses devoted to it, and, with the exception of one house, every plant is in the finest possible condition. Some of the beds are planted with young stock; others are filled with old plants that have been carried over. Raised benches are the rule in a few of the houses, while in others solid beds are employed.

To those growers who have had but indifferent success with this variety, Mr. Asmus' remarks, as follows, will no doubt prove interesting, embodying, as they do, his method of growing Liberty, with attendant satisfactory results. He says:

"I myself have this year planted 12 houses with Liberty, about double what I had last year, and with the exception of one house, all the plants are in the pink of condition, three to four feet in height. The one house, through a little neglect, got a bad dose of back spot, which seems hard to check.

"I plant in good rich loam, or rather sod, mixed with about one-third of good old cow manure, giving the plants at all times a liberal amount of water. Keep all young buds, as soon as they are about the size of small peas, well nipped out, but be sure when nipping out the buds, to do so with about two or three leaves, according to the thickness of the shoots. Liberty is a persistent bloomer, and if you nip the bud alone, the plant will throw other small buds, instead of good flowering shoots. The consequence is, you will not get any wood, only small buds without any stem. By nipping two or three eyes lower, you will avoid that, and get good flowering wood.

"By no means allow the plants to get checked or hard. Do not let them flower before they have obtained a good height, say three or four feet or more, which you can only get by keeping the buds off, before the wood gets hard. This, I find, is the only secret in growing Liberty. If my advice on this point is strictly followed, I do not think anybody need have any fear of Liberty not growing.

"Be careful about details, such as watering and ventilation. The plants require about the same temperature as Bride and Bridesmaid, but can stand a little more water. I give mine a night temperature of 58 to 60 degrees, with a 10 degrees increase on bright, sunny days.

"Up to this year the plants have been almost black spot proof with me, but those in one house now show me that this variety is, like most of the hybrid teas, subject to that dread disease. If attacked, be careful that every spotted leaf is removed and that at once. I find carbonate of copper, dissolved in ammonia, and applied at the rate of about one gill to a watering can of water, a preventive, but not a cure. It is used by syringing two or three times a week.

"In conclusion, I would say: Do not look for real good colored Liberty flowers before the weather gets cool. I have never got good blooms before November, and they come a good deal finer in December and January, when Liberty is at its best.

"If I have not made it clear as to how to grow Liberty, I am at all times willing to answer questions upon the subject, and would ask, as a favor, all who visit New York to give me a call and see with their own eyes that Liberty is as represented. My foreman or myself will gladly give all desired information to visitors."

A noticeable feature of the new range of glass is that solid beds are used almost entirely. These are also quite narrow, making the beds easy to work, and bringing every plant within ready reach, also allowing a freer circulation of air and light than can be obtained on a wide bench.

Kaiserin and Carnot have been very fine the past Summer and the latter variety will be carried over to produce extra large blooms next year. Beauty are grown extensively and a continuous supply of blooms seems assured. Other varieties cultivated are Testout, Cusin, Morgan, Bridesmaid, Bride and Watteville.

One house is devoted to seedlings and novelties. Among the latter one named Sunrise, bearing a saffron-colored flower, has been creating quite an impression, and will no doubt be heard from later.

100,000 CARNATION PLANTS

Large, Healthy, Field-Grown Plants.

	Per 100	Per 1000		Per 100	Per 1000
WM. SCOTT	$2.50	$20.00	GOLD NUGGET	$2.50	$20.00
McGOWAN	2.50	20.00	VICTOR	2.50	20.00
EVELINA	2.50	20.00	NIVEA	2.50	20.00
ARMAZINDY	2.50	20.00	MRS. BRADT	5.00	

Orders for Less than 50 of Any Variety Not Accepted.

PETER REINBERG, 51 Wabash Avenue, Chicago, Ill.

Mention the Florists' Exchange when writing.

4 ACRES FIELD-GROWN CARNATION PLANTS--120,000

Our Carnations this year are very fine. They have been grown with the greatest care, free from disease, and are packed light by our improved method of packing, by which we can send to all parts of the United States, in perfect condition.

MAYOR PINGREE	MAUD ADAMS	DOROTHY SWEET	ALBERTINI
CRIMSON SPORT	JUBILEE	MRS. FISHER	C. A. DANA
ELDORADO	McGOWAN	L. L. LAMBORN	SWEET BRIER
MELBA	METEOR	FLORA HILL	PORTIA

$1.00 per dozen; $5.00 per 100.

Mention this paper. **J. L. DILLON, BLOOMSBURG, PA.**

FIELD-GROWN **CARNATIONS**
Glacier, Evanston, Armazindy, Dana, Meteor, Bridesmaid, Eldorado, Portia, Jubilee, Hill and Scott, all other sold, No. 1, $5.00; No. 2, $3.00. Cash.
DANA R. HERRON, Olean, N.Y.
Mention the Florists' Exchange when writing.

Carnation Plants
800 McGowan, 100 Wm. Scott. All strong and healthy, $3.00 per 100.
150 Francis Joost, 50 Gen. Gomez. Lot sold cheap for cash.
ISABELLA GREENHOUSES, Babylon, L. I., N. Y.
Mention the Florists' Exchange when writing.

CARNATIONS
Field-grown, strong, healthy plants Eldorado, Scott, McGowan and Portia, $4.00 per 100.
MARIE LOUISE AND CALIFORNIA VIOLETS
Fine clumps, 5c. each.
GEO. F. CURWEN, Villa Nova, Del. Co., Pa.
Mention the Florists' Exchange when writing.

MARQUIS
CARNATIONS, Field-Grown.
$10.00, to close balance of stock.
L. E. MARQUISEE, - Syracuse, N. Y.
Mention the Florists' Exchange when writing.

CARNATIONS
WM. SWAYNE, Kennett Square, Pa.
Mention the Florists' Exchange when writing.

CARNATIONS
Large field-grown, no disease. Victor, Portia, Firefly, C. A. Dana, and Empress, $3.00 per 100. Genesee, the new white, nice bushy second size plants, $2.50 per 100.
Our Descriptive Price List of DAHLIAS for Fall and Spring delivery is now ready for distribution. Our stock is first-class and prices right.
A. B. DAVIS & SON, Established 1866 Purcellville, Va. (Near Washington, D. C.)
Mention the Florists' Exchange when writing.

GRALLERT & CO.
Carnation Growers,
Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.
COLMA, San Mateo Co., CAL.
Mention the Florists' Exchange when writing.

CARNATION PLANTS!
A few thousand Scott, McGowan, E. Pierson, first size plants, $3.00 per 100; $25.00 per 1000. A bargain for cash only.
GEO. H. BENEDICT, Yorkville, N.Y.
Mention the Florists' Exchange when writing.

CARNATION BLOOMS
Of all leading varieties now ready.
Let us figure on your wants.
CHICAGO CARNATION CO., Joliet, Illinois.
Mention the Florists' Exchange when writing.

2500 CARNATIONS!
Scott, Daybreak and McGowan,
At $3.00 per 1000.
Z. D. BLACKISTONE, 14th and H Sts., N. W., WASHINGTON, D. C.
Mention the Florists' Exchange when writing.

DAYBREAK CARNATION PLANTS.
Fine, Strong Plants of Daybreak, at $5.00 per 100, $40.00 per 1000.
EDW. J. TAYLOR, Southport, Conn.
Mention the Florists' Exchange when writing.

Scott, Portia, Meteor and Eldorado,
$2.00 per hundred.
WM. MURPHY, Sta. F, Cincinnati, Ohio.
CARNATION GROWER.
Mention the Florists' Exchange when writing.

20,000 EXTRA FINE
FIELD-GROWN CARNATIONS
Scott, Flora Hill, McGowan, Mrs. F. Joost, Mary Wood, New York, Bon Ton, Albertini, Thos. Cartledge, Argyle, Gold Nugget, Lily Dean, Leslie Paul, Iris Miller, Elsie Ferguson, at $6.00 per 100; $50.00 per 1000.
Melba, G. H. Crane, at $8.00 per 100.
EVENDEN BROS., - Williamsport, Pa.
Mention the Florists' Exchange when writing.

CARNATIONS Evelina, John Young, Albertini, Mrs. Dean, Webb, Empress, John's Scarlet, White Cloud. Many plants have 25 flower shoots. $1.00 per 100 or 500 plants for $4. Last call!
ALBERT H. BROWN, - Westboro, Mass.
Mention the Florists' Exchange when writing.

FIELD-GROWN CARNATIONS
2000 Eldorado, 1500 McGowan, 500 Scott, 100 Armazindy, 250 Daybreak, 600 Gold Nugget, 500 Portia, 500 Dana, 100 Kitty Clover, 250 Victor, 400 Nivea, 300 Evanston,
$3.50 and $5.00 per 100. Cash.
E. A. LLEWELLYN, Olean, N. Y.
Mention the Florists' Exchange when writing.



10,000
CARNATIONS
FLORA HILL,
$4.00 per 100; $35 per 1000
WM. SCOTT,
$3.00 to $3.50 per 100; $25.00 to $30.00 per 1000.
L. McGOWAN,
$2.50 per 100; $20 per 1000
C. HUMFELD,
Clay Center, Kansas.
Mention the Florists' Exchange when writing.

FIELD-GROWN
CARNATIONS
DAYBREAK,
$4.50 per 100; $40.00 per 1000.
Scott, Portia, and McGowan
$4.00 per 100; $35.00 per 1000.
THE BOOL FLORAL CO.,
ITHACA, N. Y.
Mention the Florists' Exchange when writing.

HERR'S PANSIES
All Sold Until November 15th.
Write for Prices on
Carnation Cuttings
and
Ageratum "Stella Curney."
ALBERT M. HERR, Lancaster, Pa.
Mention the Florists' Exchange when writing.

LAST CALL!
CARNATION PLANTS!
Scott, McGowan, Pingree, Evelina, $2.00 per 100; $20.00 per 1000.
Argyle, $2.00 per 100; $18.00 per 1000.

ROSE PLANTS.
Meteor, Bridesmaid, Bride — Large, strong plants, $2.50 per 100; $20.00 per 1000.
GEORGE REINBERG,
51 Wabash Ave., CHICAGO, ILL.
Mention the Florists' Exchange when writing.

CARNATIONS
Field-Grown Plants.
GENEVIEVE LORD Only 1000 extra fine plants still left. These plants are under cover, safe from frost. We recommend it as fitting success to Wm. Scott, and the most profitable pink carnation ever offered to the trade. Per 100, $12; 200 or more, at $10; 500 at $7.50.
James Whitcomb Riley, $12 per 100.
Also a few Daybreak, Pingree and Wm. Scott, fine plants, to close out, $5.00 per 100.
H. WEBER & SONS, Oakland, Md.
Mention the Florists' Exchange when writing.

J. K. ALLEN,
Wholesale Commission Dealer in
CUT FLOWERS
106 W. 28th Street, New York.
Orders by mail or telegraph promptly attended to. Telephone, 167 Madison Square.
Fine ROSES and CARNATIONS, Specialties.

HEADQUARTERS FOR NOVELTIES
Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
ORCHIDS A SPECIALTY.
JAMES McMANUS, Telephone, 739 Madison Square. 50 W. 30th St., NEW YORK

FRANK MILLANG,
Wholesale Commission Dealer in
CUT FLOWERS
408 E. 34th St., NEW YORK CITY.
Cut Flower Exchange.
Telephone Call, 299 Madison Square.

YOUNG & NUGENT, WHOLESALE FLORISTS
42 West 28th Street, New York.
SUPERB ORCHIDS, VIOLETS and VALLEY.
Choice Roses and Carnations, all leading varieties, also rare novelties.
SHIPPING A SPECIALTY. PRICE LIST ON APPLICATION.
Telephone 2065 Madison Square.

A. H. LANGJAHR WHOLESALE COMMISSION FLORIST 19 Boerum Place, BROOKLYN, N. Y.
The New Yellow Chrysanthemum WALTER MOLATSCH will be in the market on Friday, October 26. The supply will last only ten days; price for best blooms, $2.25 per doz. This is one of the best yellows in the market; it obtained a certificate from the Chrysanthemum Society of America last season. Mail orders (for cash only) promptly attended to. Mention the Florists' Exchange when writing.

Growers Attention! "Always Ready to Receive Fine Stock."
WILLIAM H. GUNTHER,
30 WEST 29th SRTEET, - - NEW YORK.
VIOLETS. ROSES. CARNATIONS. ORCHIDS.
ESTABLISHED 1888.

Strict Attention to Business
THE BUSY STORE IS
J. K. ALLEN'S
Wholesale Commission Dealer
Telephone 167 Madison Square
106 West 28th St., NEW YORK
SPECIALTIES
Beauties, Brides, 'Maids, Violets, Valley, Carnations, Chrysanthemums, Lilies and all Bulbous Flowers.
ALWAYS ROOM FOR GOOD STOCK
CONSIGNMENTS SOLICITED

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ROSES VIOLETS
BLAUVELT BROTHERS
Wholesale Florists
49 West 29th St. New York
Telephone, 2209 Madison Square. Consignments Solicited.
SWEET PEAS CARNATIONS

Established 1891. 'Phone 1239 Madison Square.
G. E. BRADSHAW,
Wholesale Commission Florist,
Choice Cut Flowers,
53 WEST 28th STREET, - NEW YORK.
Bet. B'way and 6th Ave.

CUT FLOWER EXCHANGE
404-412 E. 34th St., N. Y., near Ferry.
Open every Morning at 6 o'clock for the Sale of Cut Flowers.
This is not a commission house; the market consists of individual stands.
Wall Space for Advertising Purposes to Rent.
J. DONALDSON, SECRETARY.

ALEX. J. GUTTMAN,
(Successor to Blauvelt & Guttman)
52 W. 29th St., NEW YORK,
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Roses	A. Beauty, fancy—special	15.00 to 25.00
	" extra	12.00 to 15.00
	" No. 1	6.00 to 8.00
	" Culls & ordinary	2.00 to 4.00
	Bride, 'Maid, fancy—spc'l	4.00 to 6.00
	" extra	3.00 to 4.00
	" No. 1	2.00 to 3.00
	" No. 2	.75 to 1.00
	K. A. Victoria	3.00 to 8.00
	La France	1.00 to 3.00
	Liberty	2.00 to 10.00
	Meteor	2.00 to 6.00
	Papa Gontier	..... to .....
	Perle	1.00 to 2.00
Adiantum		.50 to .75
Asparagus		25.00 to 35.00
Asters		..... to .....
Callas		..... to .....
Chrysanthemums		4.00 to 8.00
	" fancy	10.00 to 25.00
Daisies		..... to .....
Gladiolus		..... to .....

Carnations	Inf'r grades, all colors	.20 to .50
	Standard Varieties: White	.50 to 1.00
	Pink	.50 to 1.00
	Red	.50 to 1.00
	Yel. & Var.	.50 to 1.00
	*Fancy—(*The highest grades of standard var.): White	1.25 to 2.00
	Pink	1.25 to 2.00
	Red	1.25 to 2.00
	Yel. & Var.	1.25 to 2.00
	Novelties	4.00 to 6.00
Lilies		3.00 to 4.00
Lily of the Valley		2.00 to 4.00
Mignonette—ordinary		.25 to 1.00
" fancy		..... to .....
Orchids—		
Cattleyas		10.00 to 25.00
Cypripediums		..... to .....
Dendrobium formosum		12.00 to 15.00
Smilax		8.00 to 10.00
Tuberoses		.75 to 1.00
Violets—ordinary		.10 to .25
" fancy		.50 to .60

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...WHOLESALE PRICES OF CUT FLOWERS...

	Names and Varieties	Boston Oct. 11 1900	Philadelphia Oct. 11, 1900	Baltimore Oct. 10, 1900	Buffalo Oct. 17, 1900	Toronto Oct. 17 1900
Roses	A. BEAUTY, fancy—special	20 00 to 25 00	30.00 to 30.00	.... to	24.00 to 25.00	.... to ....
	" extra	12 50 to 16.00	5 00 to 25.00	.... to	12.00 to 16.00	10.00 to 25.00
	" No. 1	6 00 to 10.00	10.00 to 20.00	12.50 to 16.00	6.00 to 10.00	.... to ....
	" Culls & ordinary	2.00 to 5.00	5.00 to 10.00	5.00 to 10.00	3.00 to 5.00	5.00 to 10.00
	Bride, 'Maid, fancy—spc'l	... to	4.00 to 8.00	.... to	.... to	.... to 8.00
	" extra	.... to 4.00	3.00 to 5.00	.... to	.... to	.... to ....
	" No. 1	2.00 to 3.00	2.00 to 4.00	4 00 to 5.00	2.00 to 6.00	4.00 to 6.00
	" No. 2	1.00 to 2.00	1.00 to 3.00	2.00 to 3.00	.... to	1.00 to 3.00
	K. A. Victoria	2.00 to 8.00	2.00 to 8.00	3.00 to 5.00	2.00 to 6.00	.. to ....
	La France	... to	2.00 to 5.00	3.00 to 5.00	.... to	.... to ....
	Liberty	1.00 to 3.00	... to	.... to	.... to	.... to ....
	Meteor	.... to	2.00 to 6.00	3.00 to 5.00	.... to	2.00 to 6.00
	Papa Gontier	.... to	.... to	.... to	2.00 to 6.00	.... to ....
	Perle	1.00 to 3.00	2.00 to 4.00	2.00 to 3.00	2.00 to 3.00	2.00 to 4.00
	ORCHIDS—Cattleyas	20.00 to 25.00	25.00 to 50.00	.... to	.... to	.... to 25.00
	Cypripediums	.... to	.... to	.... to	.... to	.... to ....
	Dendrobium formosum	.... to	.... to 25.00	.... to	.... to	10.00 to 15.00
Carnations	Inf'r grades, all colors	.75 to 1.00	.50 to .75	.60 to .75	.60 to .75	.... to .50
	STANDARD VARIETIES White	1.00 to 1.25	.75 to 1.00	1.00 to 1.50	.75 to 1.25	.75 to 1.25
	STANDARD VARIETIES Pink	1.00 to 1.25	.75 to 1.00	1.00 to 1.50	.75 to 1.25	.75 to 1.25
	STANDARD VARIETIES Red	1.00 to 1.25	.75 to 1.00	1.00 to 1.50	.75 to 1.25	.75 to 1.25
	STANDARD VARIETIES Yel.&Var	1.00 to 1.25	.75 to 1.00	.... to	.... to	.... to ....
	"FANCY— White	.... to 1.50	1.00 to 1.50	.... to	1.50 to 2.00	.... to 2.00
	"FANCY— Pink	.... to 1.50	1.00 to 1.50	.... to	.... to	.... to 2.00
	"FANCY— Red	.... to 1.50	1.00 to 1.50	.... to	.... to	.... to 2.00
	"FANCY— Yel.&Var	.... to 1.50	1.00 to 1.50	.... to	.... to	.... to ....
	NOVELTIES	1.50 to 2.00	.... to 2.00	.... to	.... to	.... to ....
	ADIANTUM	.... to .75	.75 to 1.00	.... to 1.00	.75 to 1.25	.... to .50
	ASPARAGUS	25.00 to 50.00	25.00 to 50.00	25.00 to 75 00	50.00 to 60.00	30.00 to 50.00
	ASTERS	.50 to .75	.... to	.... to	.... to	.30 to .75
	CALLAS	.... to	.... to	.... to 8.00	.... to	.... to ....
	CHRYSANTHEMUMS	5.00 to 8.00	20.00 to 25.00	5.00 to 15.00	8.00 to 12.0	5.00 to 6.00
	" Fancy	12.50 to 16.00	.... to	.... to	15.00 to 20.00	12.00 to 15.00
	DAISIES	.... to	.... to	.... to	.... to	.... to ....
	GLADIOLUS	.... to	.... to	3.00 to 3.00	.... to	2.50 to 5.00
	LILIES	.... to	.... to	.... to	.... to	.... to 6.00
	LILY OF THE VALLEY	2 00 to 4.00	2.00 to 4.00	.... to	3.00 to 4.00	.... to ....
	MIGNONETTE—ordinary	1.00 to 1.50	.... to	.... to	.... to	.... to ....
	" fancy	.... to	.... to	.... to	.... to	.... to ....
	SMILAX	10.00 to 12.50	12.00 to 20.00	10.00 to 25.00	12.00 to 15.00	15.00 to 25.00
	TUBEROSES	.... to	2.00 to 3.00	2.00 to 3.00	.... to	.... to ....
	VIOLETS—ordinary	.35 to .50	.... to	.... to	.50 to .75	.40 to ....
	" fancy	... to	.50 to .75	.... to	1.00 to 1.25	.... to 1.00

	Names and Varieties	Chicago Oct. 17, '00	St. Louis Oct. 8 '00	Cincinnati Oct. 16 '00	Milwaukee Oct. 16 '00	Pittsburg Oct. 8 '00
Roses	A. BEAUTY, fancy—special	20.00 to 25 00	.... to	.... to 25 00	20.00 to 25.00	20.00 to 25.00
	" extra	15 00 to 18 00	12 50 to 15 00	.... to 20.00	15.00 to 18 00	11.00 to 15.00
	" No. 1	8.00 to 10 00	8.00 to 10.00	10.00 to 15.00	10.00 to 12.5	5 00 to 8.00
	" Culls & ordinary	3.00 to 5.00	4.00 to 6.0	.... to	4.00 to 8 00	2.00 to 4.00
	Bride, 'Maid, fancy-spec'l	.... to 5 00	.... to 5.00	4.00 to 5 00	5.00 to 6.0	4.00 to 6.00
	" extra	3.00 to 4.00	.... to 4.00	.... to 4.00	.... to 4.00	3.00 to 4.00
	" No. 1	.... to 2.00	2.00 to 3.00	.... to 3.00	.... to 3.00	2.00 to 3.00
	" No. 2	.... to 1.00	1.00 to 1.5	.... to 2.00	... to 2.00	.75 to 1.50
	K. A. Victoria	3.00 to 5.00	2.00 to 5.00	.... to	4.00 to 6.00	4.00 to 10.00
	La France	2 00 to 4.00	.... to	.... to	.... to	1.00 to 3.00
	Liberty	3.00 to 4.00	2.00 to 4.00	.... to	.... to	.... to ....
	Meteor	2 00 to 4.00	2.00 to 4.00	2.00 to 6.00	4.00 to 5.00	2.00 to 6.00
	Papa Gontier	.... to	.... to	.... to	.... to	.... to ....
	Perle	3 00 to 4.00	2.00 to 3.00	.... to 3.00	3.00 to 4.00	2.00 to 4.00
	ORCHIDS—Cattleyas	40.00 to 50.00	.... to	.... to	.... tr	.... to ....
	Cypripediums	.... to	.... to	.... to	.... to	.... to ....
	Dendrobium formosum	.... to	... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	.50 to .75	.... to .50	.50 to .75	.... to 1.00	.... to .75
	STANDARD VARIETIES White	1.00 to 1.5	.... to 1.00	1.25 to 1.50	.... to 1.00	.75 to 1 25
	STANDARD VARIETIES Pink	1.00 to 2.00	.... to 1.00	1.25 to 1.50	.... to 1.00	.75 to 1.25
	STANDARD VARIETIES Red	1.00 to 2 00	.... to 1.00	1.00 to 1 25	.... to 1.00	.75 to 1.25
	STANDARD VARIETIES Yel.&Var	1.00 to 1.50	.... to 1.00	1.00 to 1.25	.... to 1.00	.75 to 1.25
	"FANCY— White	.... to	1.50 to 2.00	.... to	1.50 to 2.00	1.25 to 1.50
	"FANCY— Pink	.... to	1.50 to 2.00	.... to	1.50 to 2.00	1.25 to 1.50
	"FANCY— Red	.... to	1.50 to 2 00	.... to	1.50 to 2.00	1.25 to 1.50
	"FANCY— Yel.&Var	.... to	1.50 to 1.5	.... to	1.50 to 2.00	1.25 to 1.50
	NOVELTIES	.... to	.... to	.... to	1.50 to 2.00	.... to ....
	ADIANTUM	.50 to .75	.75 to 1.00	.... to 1.00	75 to 1.00	.75 to 1.00
	ASPARAGUS	40.00 to 75.00	.... to	.... to	20.00 to 50.00	35 00 to 50.00
	ASTERS	.... to	.... to	.... to	.... to	.75 to 1.00
	CALLAS	.... to	.... to	.... to	.... to	.... to ....
	CHRYSANTHEMUMS	8 00 to 12 00	.... to	.... to	.... to	10.00 to 15.00
	" Fancy	16.00 to 25.00	.... to	12.50 to 15.00	.... to	18.00 to 20.00
	DAISIES	.25 to .3	.... to	.... to	.... to	.... to ....
	GLADIOLUS	.... to	.... to	.... to	.... to	2.00 to 3.00
	LILIES	.... to	.... to	.... to	.... to	.... to ....
	LILY OF THE VALLEY	4.00 to 5.00	3.00 to 4.00	.... to 4.00	.... to	2.00 to 4.00
	MIGNONETTE—ordinary	.... to	.... to	.... to	.... to	.... to ....
	" fancy	.... to	.... to	.... to	.... to	.... to ....
	SMILAX	17.00 to 12.50	.... to 12.5	10.00 to 15.00	12.50 to 15.00	12.50 to 15.00
	TUBEROSES	3.00 to 4.00	3.00 to 4.00	.... to	.... to	.... to ....
	VIOLETS—ordinary	.40 to .50	.... to	.... to .2	.... to .50	.... to ....
	" fancy	.75 to 1.00	.... to	35 to .5	.... to 1 00	.... to ....

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Cincinnati.

Trade Notes.

The unusual demand that generally comes with the chrysanthemum season has so far failed to materialize. Business with the retail stores is not what it should be at this time of year. The call, too, for chrysanthemums is not as extensive as was expected. Of course, we have to find some excuse for this state of affairs, and we will attribute it to the presidential campaign, which always causes a lull in business just before election. One thing the Republican party has done for the florist has been to secure the adoption of the pink carnation as a national emblem. Now, if some good silverite can prevail on the Democratic party to adopt the red carnation, and a good prohibitionist get the white carnation adopted by that party, the florist would surely be in the swim.

Plenty of good flowers are coming in to fill all orders, and prices are very reasonable. Strictly first-class stock is scarce, and more could be sold. Carnations are getting better in quality, and we hope to be able to meet all demands soon, with nothing but first-class blooms. The fancy sorts will be slow in coming forward; dry weather in this section made lifting difficult and retarded housing until quite late.

Club Meeting.

Saturday evening last, was meeting night for the Cincinnati Florists' Society. It was decided to hold exhibitions, as heretofore, at the regular monthly meetings. The first exhibit will be one of chrysanthemums and will occur November 10. A schedule will be mailed in due time, announcing prizes. The December meeting will be devoted to carnations. To all of these gatherings, outsiders are invited to send exhibits.

E. G. GILLETT.

Chicago.

State of Trade.

Not much change can be noted from last week. Shipping trade has been very satisfactory, but local business holds back, and is hardly equal to that of last year at this time. Chrysanthemums are backward. Small supplies are coming in so far, consequently good prices rule and there is an apparent demand. Certainly values are good for the class of stock now in the market. In addition to Lady Fitzwygram, which rarely has good foliage, Glory of the Pacific, Mme. Bergmann, a few dozen Merry Monarch, and Marquis de Montmort are the varieties in evidence. The price runs from $1.50 to $3 per dozen, for the best. It is said that by the 20th better chrysanthemum conditions are expected.

In roses stock has been soft, but the cooler weather now prevailing will effect a change in this direction. The supply of Beauty is increasing, being now equal to the demand. For first-class, well colored stock, $1.50 to $3 per dozen is realized.

Of carnations, probably 50,000, from open ground, came in the past week of very good quality. House-grown stock is improving very fast, but nothing strictly fancy is to be had as yet.

Carnations are much more plentiful than they were a year ago.

Violets had somewhat uncertain sales; the quality is improving. Lycopodium is beginning to show up fine in color, and promises to be abundant. Prices as yet are unsettled and there is some talk of cutting values for future delivery.

Wild smilax is coming in, evidencing some movement in decoration. Ours is a great market for this and other greens. The past week cosmos in big quantities were received; it sells at 25c. per bunch.

Round About.

John Reardon, gardener to Mr. M. A. Ryerson, and George Woodward, gardener to Mr. J. J. Mitchell, will have fine 10-inch specimen chrysanthemums for the flower show, which begins November 6. The judges this year are Patrick O'Mara, president-elect S. A. F.; John N. May, Summit, N. J.; and Emil Buettner, Park Ridge, Ill.

C. D. Washburn returned from a trip to St. Louis and Kansas City last week.

Arnold Ringler, of W. W. Barnard & Co., is now convalescent, and back at his post after a bad attack of muscular rheumatism.

A banquet was given last week by a few friends to the Chicago bowling team that participated in the New York contest.

Walter Retzer & Co. cut some good sweet peas from open ground the past week. Ess.

Pittsburg.

Business Bits.

Trade, since the first of the month, has been fairly good, and on account of the mild weather, stock held out well until a few days ago, when light frosts caused a little shortening up of some sorts. Asters are past. Chrysanthemums are coming in quite freely, but are a little too high priced to sell readily. Carnations are doing nicely; pink kinds are plentiful, but white is in good demand. Roses have improved much, selling at from $1.50 per dozen up, for good stock. Beauty bring from $3 up per dozen.

Violets go slow; stock is getting better. Dahlias are still abundant and sell fairly well at about 75c. per dozen.

Up to October 17, we have had no killing frost in our vicinity.

Club Notes.

The October meeting of the Florists' Club, held last week, was fairly well attended. One new member was proposed. The meeting did a good thing by passing a motion to contribute $50 out of the funds of the club, for the relief of the Galveston florists, and the secretary was instructed to send the money to THE FLORISTS' EXCHANGE Fund. A number of our florists had already contributed to the general fund collected in this city, which to date amounts almost to $60,000.

Jottings.

The plans for the proposed building for a school of botany were submitted to the Director of Public Works, and it is expected to have the structure completed by next May. The building will be erected near the Phipps conservatory, so as to be of easy access to it. It will be two stories in height, containing lecture and class rooms. The cost, $25,000, is to be defrayed by Henry Phipps, Jr., the donor of the fine conservatories in Pittsburg and Allegheny parks.

John Bader received a large shipment of azaleas a few days ago. They arrived in fine shape.

Bulbs are nearly all in, and appear to be good—better than last year. Retail sales are slow yet. E. C. REINEMAN.

St. Louis.

Trade Notes.

Business the past week has been pretty good. Roses are now plentiful, with quality fair. Carnations are very scarce, and in consequence values have gone up a notch. These flowers now bring from $1 to $2. A few white chrysanthemums have made their appearance; they came from Indiana and realized $2 per dozen. The blooms were only medium-sized. Violets are in, and are considerably called for. While they are very small, people seem to welcome them back again. Violets sell at 35c. per 100.

The weather at present is almost hot; so far no frost of any consequence has appeared. Prevailing conditions are good for the coal pile, the price of which commodity has increased considerably.

Notes.

John W. Kunz, formerly manager for the Jordan Floral Co., and later of 605 Oliver Street, left Saturday night for Chicago, having accepted a position with Charles Samuelson of that city. We all regret to lose John, and wish him the best of success in his new field.

J. J. Beneke is suffering from a lame arm. He strained a blood vessel in which the blood clotted, resulting in a very sore shoulder, which will prevent his bowling for a week or two.

Club Meeting.

A well-attended and lively meeting was held on the 11th. The committee on chrysanthemum show reported that the exhibition would be held in the naves of the Exposition building, space therein having been secured at a very satisfactory price. The advertising in the program this year has been given out, the club to get 25 per cent. of the profit, if any. Expenditures have been reduced to the lowest possible figure, in hopes of pulling the show through without loss.

Letters from J. D. Pruessner and Otto Fehrlin of Galveston, were read. A committee, consisting of H. G. Berning and C. A. Kuehn, was appointed to solicit subscriptions for the benefit of the sufferers in that unfortunate town, all funds thus obtained to be divided equally among the florists, only. Mr. Washburn, of Bassett & Washburn, Chicago, was present, and told the club what our Chicago brethren were doing for the same good cause.

Applications for membership were received from Theo. Miller, Christ Eichborn and Philip Goeble, and read for the first time.

The essayists were on hand promptly. Mr. Schray read a very instructive paper on "Profitable Winter-blooming Plants." Among them he mentioned begonias, bougainvillea, heliotrope, bouvardia, mignonette, poinsettia, calla, calceolaria, gardenia, cineraria, cyclamen, primrose, geranium, etc., giving also useful hints on the time for starting the plants, and the best way to cultivate them. Mr. Fillmore followed with a paper on "The Best Method of Growing, and the Best Roses for Present Demand." His paper was an exhaustive effort on the culture of the rose. As we all know Mr. Fillmore's ability in growing roses, no mistake can be made in following the lines laid out by him. A vote of thanks was extended to the essayists. The question box brought out considerable discussion on various subjects, and altogether we had a very nice meeting. C. C. S.

Louisville, Ky.

Since last writing there has been a slight increase in the demand for flowers, the variety is very limited. Up to the present time not many violets or chrysanthemums have been brought into the market. Roses are improving in quality. Carnations are not doing so well.

The horse show opened here Monday, and as Kentucky is noted for its fine horses and pretty women, the opening was a grand success. The show created an increased demand for flowers, especially for American Beauty.

William Walker is now established in his new store and conservatory.

J. S.

Peoria, Ill.

The Cora Carnival ended on Saturday. In the industrial parade, Cole Bros. and J. C. Murray were represented by well-decorated wagons.

Plenty of roses are in town, with light demand. Carnations are not over-plentiful, and find good sales. Violets are abundant, though small at present. Chrysanthemums will hardly be in as early as last year.

Kuhl, of Pekin, reports good sales of Boston ferns, of which he has several houses in fine shape.

J. C. Murray has been confined to the house with rheumatism. J. R.

Columbus, O.

The Columbus Horticultural Society held its first Autumn meeting on September 29, at the State University. The regular program consisted of two papers, as follows: Fruit Notes from the Fair, by Prof. Wm. R. Lazenby; Some Notes and Impressions on the Summer's work, by Fred K. Luke.

E. L. Charles is putting in steam to take the place of the flue system of heating.

The City Park will hereafter be managed under a new regime. Heretofore the superintendent had been appointed largely with reference to his political Complexion and qualification. The Park commission now selects this officer by examination. These examinations are open to all who desire to enter. R. G. Ray, the former assistant superintendent, has been appointed superintendent, he having stood the highest in the recent examination. Mr. Ray is well qualified for the position. He is a graduate of Miami University, where he took a special course in botany and chemistry, as well as landscape gardening. He entered upon his duties October 1. FRITZ.

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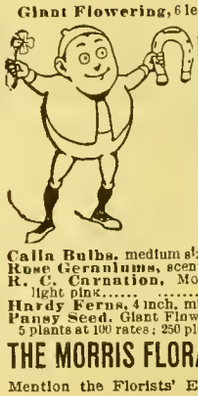

Geraniums, choice mixed, 2½ inch. Per 100, $1 50; per 1000, $12.50.

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	100	1000
Calla Bulbs, medium sized	$5.00	$40 00
Rose Geraniums, scented	1.50	12.50
R. C. Carnation, Morning Glory, light pink	5.00	40.00
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Madison, N. J.

The regular meeting of the Morris County Gardeners and Florists was held in Masonic Hall, on Wednesday last, with Vice-President Totty in the chair. The main business of the evening was detail matters in connection with the show; but this concluded, the Galveston disaster was discussed and by unanimous vote it was decided to do all that was possible to assist florists who had met such dire misfortune. As a preliminary the sum of $50 was voted as a first contribution, and after it was decided to have a number of sub-committees working in their several districts to secure further contributions, either in cash or kind, in case any of our florist friends had surplus stock that they felt disposed to donate for the purpose.

H. W. Gibbons, who was unavoidably absent, wrote to the effect that he would be glad to assist the Galveston florists with plans or suggestions, in regard to heating, etc., gratuitously.

One new member was elected and one proposed. A. H.

Sea Cliff, L. I.

Ferd Boulon has erected, on land recently purchased about three blocks from his old stand, a new greenhouse, 325 feet long by 14 feet wide. Hitchings & Co. supplied the heating apparatus.

Mr. Boulon, accompanied by his wife, will sail for France, about the end of October, to be gone some eight weeks.

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7204a	3	36 "	3.60
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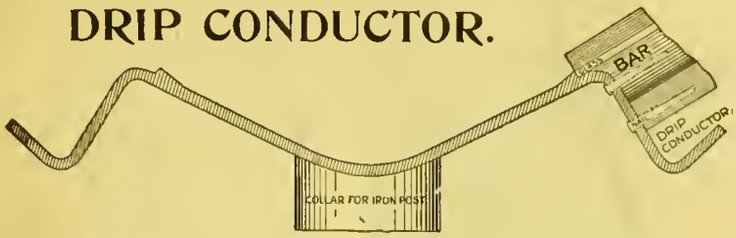

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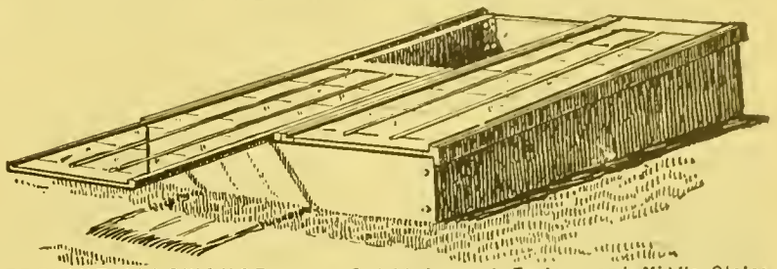

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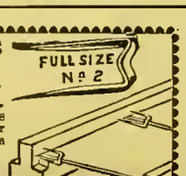

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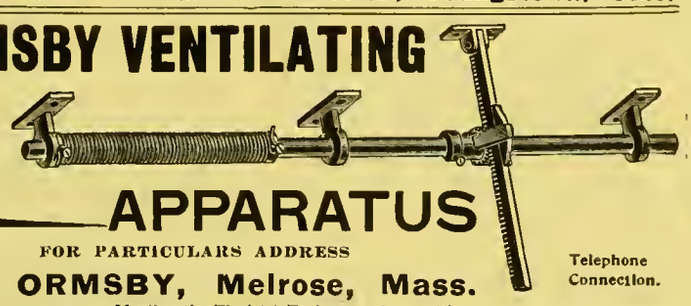

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In our 25 years' experience in glazing points of all kinds I can say your zinc points are the best to date.
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Please find inclosed check for $3.50, for which send me 10 lbs. more of your zinc points. In my way of thinking, too much cannot be said in their favor.
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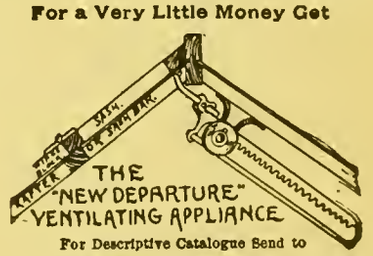

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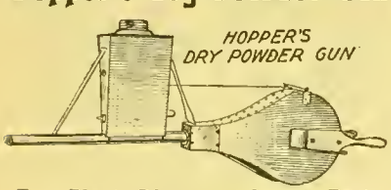

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Strong plants, from 4 inch pots, to bloom for Christmas, $5.00 per 100. 3 inch, strong, $4.00 per 100.

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The very finest strain, in separate colors—red, white, blue and black, $1.00 per 100.
Assorted colors, 75 cts. per 100.

Primula Forbesii, 3 in. pots, $5 per 100; 75c per doz.
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Engage your ferns for Winter now, price, 75c a 1000. Best Laurel Festooning, 4c. to 6c. a yd. Telegraph New Salem, Mass.

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Designed especially for
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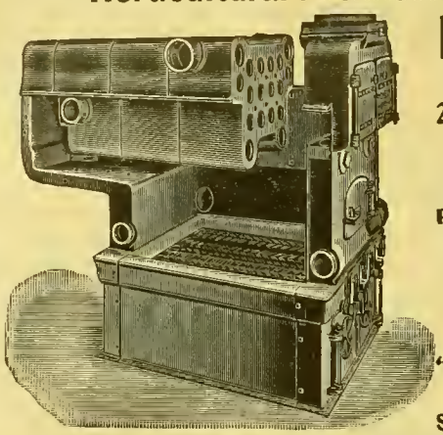

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Place your order with PULLEN. Place it now for the very best grade of bright green foliage, well berried, fresh from the swamps.

Holly Wreaths. Only first-class materials used—fresh green leaves plentifully clustered with berries. In ordering be sure and state sizes wanted and number of berry clusters desired on each. Goods shipped at proper time or on your order, carefully packed. Prices are most reasonably low.

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Plants. Can furnish anything you wish in plants.

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A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL

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SEVERAL very large shipments of JAPAN LONGIFLORUM have arrived in very bad condition—more than half of the bulbs having been lost by heating. This large loss will make a scarcity in this article, and probably many dealers will be unable to fill their orders in full.

If you do not succeed in getting your full supplies, we have still to offer a fine lot of

5-7 Bermuda-Grown LONGIFLORUM

These bulbs are in splendid shape. We can offer them at **$14.00 per case.** 350 bulbs to the case.

WE ALSO HAVE A FINE STOCK OF

LILIUM HARRISII.

7-9 in. size is generally scarce, but we have a very fine stock of this size still on hand. These are a lot of bulbs that were left in the ground and dug late, and, in consequence, are in grand shape. Bulbs are plump, bright and clean, and are as fine a lot of Harrisii as any one would want to handle. We can supply these as long as unsold as follows:

5-7 inch, 400 bulbs to the case, only $16.00 per case.
7-9 inch, 200 bulbs to the case, only $18.00 per case.

ORDER AT ONCE BEFORE WE ARE SOLD OUT.

We can also offer a fine stock of **WHITE ROMAN HYACINTHS**
Extra quality bulbs, 12-15 otm., in case lots, 2,100 bulbs to the case, **$16.00 per 1000.**

PAPER WHITE NARCISSUS GRANDIFLORA Case lots, about 1,300 bulbs to the case, $7.50 per 1000.

☞ **Five per cent. discount from above-named prices when cash is remitted with order.**

F. R. PIERSON CO., Tarrytown-on-Hudson, N.Y.



Asparagus Plumosus Nanus

CUT STRINGS, 8 to 10 Feet Long **50** CTS.

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NEW CROP SEED Saved expressly for us by a most celebrated English firm from their prize-winning specimens.

Cyclamen Persicum Giganteum

Alba Perfecta, pure white, very large.
Aigburth Crimson, rich self crimson.
Crimson King, splendid crimson.
Charming Bride, pure white.
Giganteum, pure white, tipped crimson.
Purple King, intense purple crimson.
Peach Blossom, delicate pale lilac.
Rosea, pretty light rose.
Rosy Morn, fine rosy purple.

$1.00 per 100 Seeds; $9.00 per 1000 Seeds.

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Chinese Sacred Narcissus First shipment just to hand. Per basket of 30 bulbs, **$1.50.** 4 baskets or mat of 120 bulbs for **$5.50,** or **$45.00** per 1000.

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6 to 8, 400 in box, **$30.00** per 1000. 8 to 10, 200 in box, **$80.00** per 1000.

Paper White Narcissus Grandiflora
Large bulbs, **80c.** per 100; **$7.50** per 1000; or one whole case of 1600 bulbs for **$10.**

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Asparagus Plumosus Nanus Plants
A very special lot, in 2½ inch pots, ready for 3's, **$40.00** per 1000; **$5.00** per 100; **75 cts.** per dozen.

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LAST CALL.

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Mrs. Jas. Dean	$6.00	$50.00
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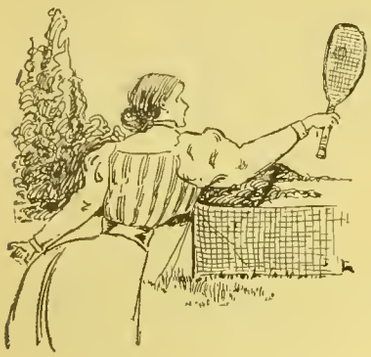

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Case, 2000, $26.00.

SACRED LILIES
Basket, 30 Bulbs, $1.60.

LILIUM LONGIFLORUM
7 to 9, 100, $6.00. 9 to 10, 100, $9.00.

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100, $5.00.

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Fresh on Hand.

	Per 100	1000	5000
Chamærops Excelsa (in 10 lb. lots at 30c.) per lb., 40c.			
Washingtonia Robusta, " 75c.			
Erythea Edulis (Brahea Edulis)	.50c.	$4.00	$18.00
Phœnix Canariensis	50c.	4.00	2.00
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LILIUM HARRISII
Early Roman Hyacinths
Special prices on application.
Sure Crop Mushroom Spawn NEW CROP, $8 per 100 lbs.
WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., NEW YORK.

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A BARGAIN —IN— SURPLUS BULBS

Tell Us What You Can Use.
We will Quote RIGHT PRICES.

SAMPLES FREE IF YOU WISH.

LILIUM LONGIFLORUM, Japan, - 7- 9	FREESIA, MAMMOTH.
" " " - 9-10	HYACINTHS, DOUBLE BEDDING.
" " Bermuda, - 5- 7	NARCISSUS VON SION, Extra.
LILIUM HARRISII, - - - 9-11	TULIPS LA REINE, Extra.
" " - - - 11-13	TULIPS, YELLOW PRINCE, Extra.

Now Ready, **LIL. AURATUM, RUBRUM, ALBUM.**
Let us have your order for **JAPANESE FERN BALLS.** Our stock is cured and ready for starting. Prices on application. December delivery.
Try our **London Market LILY OF THE VALLEY Pips** for forcing. Large Bells. Fine Foliage.

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LILIES.

	Price Per Case
Auratum, 8-9 (130)	$6 50
" 9-11 (100)	6 50
Speciosum Album, 8-9 (125)	7 50
" Rubrum, 8-9 (125)	6 25
" " 9-11 (84)	5 75
" Melpomene, 8-9 (125)	7 50
" " 9-10 (100)	7 50
Longiflorum, 6-8 (45)	13 50
" 7-9 (300)	15 00
Candidum	Per 100, 5 50
" extra large	" 6 50

NARCISSUS.

	100	1000
Von Sion, selected large bulbs	$1 60	$15 00
" First size	1 40	12 50
" Second size	1 20	10 00
Poeticus	50	3 40
" Ornatus	1 00	9 00

NAMED DUTCH HYACINTHS.

All the leading kinds.
$8.00 per 100; $57.00 per 1000.

DUTCH HYACINTHS, mixture, for forcing or bedding. All colors separate, $4.00 per 100; $39.00 per 1000.

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Artus	$0 70	$6 25
Arms of Leiden	1 00	8 00
Bizarre Verdict	70	6 50
Cardinal's Hat	90	7 50
Chrysolora	1 25	11 00
Cottage Maid	1 20	11 00
Couleur Cardinal	2 25	21 00
Duchesse de Parma	75	6 75
Due Van Thol Scarlet	85	7 25
L'Immaculee	90	8 50
La Reine	1 10	10 00
Kelzerskroon	1 20	11 00
Pottebaaker, white	1 25	12 00
" scarlet	1 00	10 00
Jagt Von Delft, pure white	95	8 00
Thomas Moore, orange	1 35	11 90
Purple Crown	85	7 20
Yellow Prince	1 40	12 00
Rose Griedelin	1 50	14 00
White Swan	1 25	11 00
Single, Fine Mixed	65	6 00

DOUBLE TULIPS.

	100	1000
Duke of York	$1 00	$8 00
Murillo	2 25	20 00
Tournesol, red and yellow	1 80	14 50
Yellow Rose	1 00	9 00
Lady Grandisan	1 25	11 00
La Candeur	95	8 50
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	100	1000
Named varieties	1 00	9 25
Mixed	80	7 50

CROCUS, named varieties... 45 3 50
" mixed, separate colors 30 2 00
Montbretia Crocosmæflora.... 35 3 00

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Hamburg Pips, case lots of 1000 ..... $12.50

BOBBINK & ATKINS, Rutherford, N. J.

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HIGH-GRADE BULBS!

LILIUM LONGIFLORUM

	Per doz.	Per 100.		Per doz.	Per 100.
5-7	$0.40	$2.50	8-9.....	$0.90	$7.00
6-8.....	.50	3.50	8-10....	1.00	7.50
7-9.....	.75	5.00	9-10....	1.25	8.50

JONQUIL (Campernelle), 75c. per 100; $5.50 per 1000
HYACINTHS, Single or Double, in Pure White, Blush White, Light Blue, Dark Blue, Pink, Red, $4.50 per 100; $40.00 per 1000.

NARCISSUS!

	Per 100	Per 1000
VON SION, first size	$1 50	$14 00
Double Nose	2 00	18 00
PAPER WHITE, large-flowering	1 00	7 50
TRUMPET MAJOR, Mammoth	1 00	9 00

FREESIA Pure White, 65 cts. per 100; $5.00 per 1000.
Send for Wholesale Catalogue.

STUMPP & WALTER CO., 50 BARCLAY STREET, **NEW YORK**

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Kentia Belmoreana.

Fresh importation, just arrived in prime condition.
1000 at $4.60 per 1000; 5,000 at $3.75 per 1000; 10,000 at $3 50 per 1000.

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High-Grade BULBS

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Our 1900 Wholesale and Retail Catalogues on application.

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GIGANTEUM SEED.

The finest giant flowering varieties, in choicest mixture, 200 seeds, $1.00; half pkt., 50c.; $4.00 per 1000.

JOHN F. RUPP, Shiremanstown, Pa.
The Home of Primroses.

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FRESH CALIFORNIA SEEDS.

Alsophylla Australis (Australian Tree Ferns) 50c. pkt; **Asplenium Belangeri** a most beautiful fern), 50c pkt.; **Cuphea Sevendens** (blue flower), 35c. pkt., $2.50 lb.; **Cuphea Scandens** (white flower), 35c oz.; **Coleus,** superb mixture of splendid varieties, 50c. pkt., 75c. 1-6 oz., $10.00 oz.; **CENTAUREA, Large Flowering,** white, **Marguerite,** 75c. oz., $8.00 lb; **Cosmos, "Giant Fancy,"** separate colors, 5 c. oz.; splend'd mixed, 40c. oz.; **Nasturtium,** lg. fl., dwarf "Tom Thumb," splendid mixed, 35c. lb., 10 lbs. $3.00; **Nasturtium, Labb's Grand New,** mixed, with very large flowers, $1.00 lb.; 10 lbs. $8.00; **Dahlia "Imperialis." The Lily Dahlia,** 50c. pkt., $3.00 oz. Send for Trade List of Seeds.

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HYACINTHS

Dutch, named, first size.
Dutch, first size, separate colors.

TULIPS

Extra Selected in Best Market Varieties.

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VON SION, Mammoth Size.

CHINESE SACRED LILIES.

Prices Cheerfully Given on Large and Small Quantities.

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KENTIA SEED EXTRA OFFER!

To close out a Consignment we offer as long as unsold, fresh crop 1900 KENTIA BELMOREANA or FORSTERIANA, 1000 seeds, $3.00; single 100, postpaid, 60c. Guaranteed good germination.

SPECIAL SALE FRENCH FORCING BULBS

To close these out we offer as long as stock lasts.

FRENCH ROMAN HYACINTHS.

	100	1000
Early White, 12-15 cm	$1.65	$15.00
Blue or Rose, 12-15 cm	1.35	12 00
Paper White Narcissus, true grandiflora case, 1500, $9.00.	75c.	6.50
Trumpet Major	1 00	8.00
Allium Neap	40c.	3.50

We have extra fine stock of following:

	12	100	1000
Dutch Hyacinths, first size, separate colors	.60	4.00	39.00
Named sorts, your choice	1.00	6.50	
Dutch Roman, named	.40	2.75	26.00

TULIPS.

Belle Alliance	.20	1.20	9.00
Kelzerskroon	.15	1.25	10.50
La Reine	.15	1.20	10.00
Rose Griedelin	.25	1.50	13.00
Yellow Prince, or Chrysolora	.25	1.30	11.00
La Candeur, etc., etc	.15	1.00	8.00
Single and Double, choicest mixed	.10	.75	6.50

NARCISSUS.

Poeticus Ornatus	.15	1.00	8.00
Von Sion, double nosed, XXX	.25	1.75	15.00
" extra large, fine	.20	1.40	12.00
" fine bulbs	.15	1.20	10.00
Single, Double and Trumpet, mxd.	.15	1.20	9.00

CHINESE Sacred Mammath. Same brand we have imported for 18 years.
Original bisket, 30 bulbs ..... $1.50.
Mat of 4 baskets, 120 bulbs ..... 6.00.

FREESIA Refracta Alba. A lot of select bulbs, ⅝-⅞ inch, offer as long as last at $1.50 a 1000 net, to close out.

Cyclamen Giganteum Persicum bulbs
Monster flowers; pure white, rose, crimson, white with red eye, rose with red eye,
per doz., $1.20; per 100, $8.00.

	12	100	1000
Anemone, sin. and dbl., choic'st sorts	.20	$1.00	$8.00
Scilla Amœna and Siberica	.15	.75	5.00
Allium Neapolitanum	.10	.50	4 00

LILIES READY FOR DELIVERY.

Lilium Candidum, 9-10 inch.....per 12 75c.; per 100, $5.00

	Per 100	1000
Lilium Longiflorum, 5-7 inch	$2.50	$20.00
Lilium Longiflorum, 6-8 inch	$3 50	$30 00
" " 7-9 inch	5 50	50 00
" " 9-10 inch	8 50	80 00
	Per 12	100
Lilium Auratum, 8-9 inch	$0 60	$4 00
" " 9-11 inch	1 00	7 00
Lilium Rubrum, 8-9 inch	60	4 00
" " 9-11 inch	85	6 00
Lilium Album, 8-9 inch	75	5 00
" " 9-11 inch	85	6 00

SEEDS IN SEASON Sweet Pea, in early forcing sorts, lb., 25c. Smilax Seed, oz., 30c.; lb, $2.50.

STOCKS 10 weeks, cut and come again, in separate colors, mixed, trade packet, 25c.

PANSY Giant Exhibition, any color or sort, separate or mixed, 1000 seeds, 25c.; 5000, $1. 5 per cent. Cash Discount.



FERN BALL.

Japanese Fern Ball December delivery. Write for prices.
Order now, sure to be scarce. Get bonafide long-leaved stock.

H. H. BERGER & CO. (ESTABLISHED 1878), 47 Barclay Street, New York.

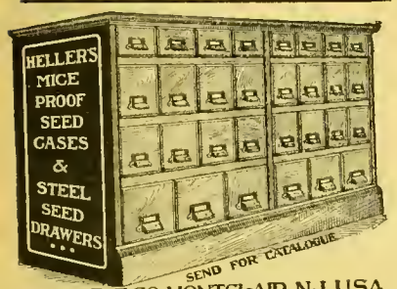
Mention the Florists' Exchange when writing.

SPECIAL BULB OFFER!

French White Roman Hyacinths	12-15 cent., at $1.75 per 100;	$16.00 per 1000
Double Von Sion Narcissus, large Double Nosed Bulbs..	1.75 per 100;	16.50 per 1000
Paper White Grand Narcissus	.75 per 100;	6.75 per 1000
Freesia Refracta Alba	.50 per 100;	4.00 per 1000
Chinese Sacred Lilies	per basket (30 bulbs), $1.50;	per mat (120 bulbs), $5.50

JOHNSON & STOKES, Seedsmen, Philadelphia, Pa.
217 and 219 Market Street.





HELLER & CO. MONTCLAIR, N.J. U.S.A.
Mention the Florists' Exchange when writing.

ESTABLISHED 1802

THORBURN'S SEEDS

BULBS NOW READY:

	100	1000
Lilium Longiflorum Japan, 5 to 7 inch	$2.00	$18.00
6 to 8 "	3.00	27.00
7 to 9 "	4.50	40.00
9 to 10 "		90.00
Lilium Harrisii, 7 to 9 in.	8.00	75.00

Dutch Hyacinths, Narcissus, Tulips, etc.
Wholesale Bulb Catalogue mailed on application.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

Mention the Florists' Exchange when writing.



AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Cincinnati, O., President; F. W. BOLGIANO, First Vice-President; S. G. COURTEEN, Milwaukee, Wis., Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

Bulb Trade in New York.—The bulb trade to date has been most satisfactory, the aggregate quantity of stock sold being about 25 per cent. more than last year. The ratio of profits is not the same, for bulbs were handled on a much closer margin, caused partly by higher cost prices, which necessitated increased valuations on which duties were based, while selling values here have not advanced in proportion. Early in the season indications were that Japan longiflorum bulbs would be over pleatiful, but the spoiling of large numbers in transit cut off most of the surplus. Roman hyacinths are not now of sufficient quantity to fill orders, as is also the case with Bermuda Harrisii and longiflorum bulbs in the larger sizes. Some buyers are also unable to secure enough Prosperine and other named tulips, and there is some searching for auratum and speciosum lilies, but the main shipment is not yet in.

Retail trade made a good start during the early cold snap, but this fell off when the weather became warm again. With steady cold weather a revival is looked for in this line, and probably when the season is over there will be considerably less bulb stock left in the hands of the dealers than is usual.

St. Paul.—Excessive rains have interfered with potato digging quite a good deal, but there seems to be no inclination to rot, and the prospects for a good crop are flattering. Onion sets have yielded fairly well, though some fields were badly spotted, owing to the seed not sprouting on account of the excessive drought. Onion seed, which is grown in limited quantities, is an average crop.

L. L. May & Co. have purchased a large warehouse at Lakeland, Minn., in close proximity to their farm, where they will store potatoes, onion sets, corn and root crops. It is located on the C. M. St. P. R. R., convenient for shipping. In the cellar underneath, cannas, dahlias, and nursery stock for early shipments will be stored.

Green from the green district is now being gathered, but the crop is reported short on account of the long, protracted drought, which killled the roots in many localities.

J. M. Kimberlin and grandson were recent callers, en route to the East.

VERITAS.

To Clear Out

SURPLUS STOCK

Until Sold We Offer

L. HARRISII 5 to 7 inch, $24.00 per 1000.
7 to 9 inch, 68.00 "

WHITE ROMAN HYACINTHS Red Skin,
12 to 16 centimeter, $11.00 per 1000.

NARCISSUS Large, Trumpet Princeps, $8.00 per 100.

250 Bulbs at 1000 rate. Cash with order.

HULSEBOSCH BROS., Englewood, N. J.
Mention the Florists' Exchange when writing.

European Notes.

Some nice rains have fallen over nearly the whole of Northern Europe, and although the temperature is comparatively low for the time of year, there has not been any frost as yet, and in the meantime our roots and plants for 1901 continue to make very fair progress. A full development of the plants is almost impossible, but they will be quite large enough to show their true character.

It is in a season like this that the true value of a selected strain becomes apparent; and as, in any case, the plants receive the requisite check to vagrant growth by transplanting, there need be no fear regarding the quality of the crop.

Already there are indications of a good demand from your side for next year, and the practical close of the war in South Africa will add a further stimulus.

As prices are now fairly well established on a more remunerative basis, we anticipate both pleasure and profit in our labors. EUROPEAN SEED.

For the benefit of those farmers who have a difficulty in obtaining good help the Department of Agriculture has compiled a list of free employment agencies in the various states. The number of the circular is 13, Division of Statistics.

PRIVET

	100	1000
18 to 24 in.	$2.50	$22.50
2 to 3 ft.	3.50	30.00
3 to 4 ft.	5.50	50.00

	100	1000
Hydrangea P. G., 2 to 3 ft.	$7.00	$ 70.00
" " 3 to 4 ft.	10.00	100.00
Clematis Paniculata, No. 1,	7.50	70.00
" " Extra,	9.00	80.00
Ampelopsis Veitchii, No. 1	6.00	50.00
" " Extra,	8.00	75.00

Hardy Herbaceous Plants, in large variety.

Crimson, Yellow, White and Pink Ramblers.

SEND FOR WHOLESALE LIST.

ELIZABETH NURSERY COMPANY,
ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

CATALOGUES RECEIVED.

TEXAS NURSERY AND FLORAL COMPANY.—Trade List of Nursery Stock, Roses, etc.

FREDERICK ROEMER, Quedlinburg, Germany.—Illustrated List of Novelties for 1901.

HENRY NUNGESSER & Co., New York.—Wholesale Price List of Grass and Clover Seeds.

J. E. RHOADS & SONS, Philadelphia.—Illustrated Catalogue of Hose, Nipples, Couplings, Lawn Sprinklers, etc.

F. C. HEINEMANN, Erfurt, Germany.—Special Trade Offer of Novelties and Specialties, accompanied by colored plates.

JOSEPH BANCROFT & SON, Cedar Falls, Ia.—Illustrated Catalogue of Plants for Fall and Winter Blooming, Supplies, etc.

UNION COUNTY NURSERIES (Hiram T. Jones, proprietor).—Catalogue of Hardy Stock for Fall Planting. Unique and interesting.

J. M. THORBURN & CO., New York.—Preliminary Trade Price List of Vegetable Seeds; also Sweet Pea and Miscellaneous Seeds. This firm was awarded a gold medal for its seeds at the Paris Exposition.

Benjamin Hammond, of Fishkill, N. Y., who is president of the Fishkill Landing Board of Education, read a paper on "Truants," before the Commissioners of Schools at their annual meeting held in New York City recently.

Advertising is of value, not only in extending trade, in creating new customers, but also in holding old customers in line—lest they forget, lest they forget.—*Agricultural Advertising.*



"I get more spikes of 'firsts' from your strain of White Romans than from any I ever grew before." A. S. WALLACE (Florist), Montclair, N. J.

HENDERSON'S SUPERIOR BULBS

LARGEST STOCK. LARGEST VARIETY. LOWEST PRICES, consistent with superior quality.

HENDERSON'S SUPERIOR

WHITE ROMAN HYACINTH BULBS.

Prices: Second size, 11 to 15 ctm., $13.00 per 1000
First " 12 to 15 ctm., 17.50 per 1000
Extra " 13 to 15 ctm., 20.00 per 1000

LILIUM HARRISII (The True Bermuda Easter Lily)

In Splendid Plump Condition.

6 to 8 inch (the best florists' size),
200 bulbs to the case, $12.50 per case, $60 per 1000.

OUR WHOLESALE BULB CATALOGUE, for Florists Only, mailed on application.

PETER HENDERSON & CO.
35 and 37 Cortlandt Street, NEW YORK.



"The Bermuda Easter Lily Bulbs I got from you (P. H. & Co.) are grand. In fact, every person who has seen them says they are the best ever seen in this part of the country; they are practically free from disease." LAWRENCE COTTER (Florist), Dorchester, Mass.

Mention the Florists' Exchange when writing.

FOR FORCING

Magna Charta, Paul Neyron, Ulrich Brunner, low budded, on Manetti, $8.50 per 100; **Crimson Rambler,** 4 to 5 ft., heavily branched, $15 per 100 **Evergreens for Vases,** 15c. and upwards. **Privet,** 3 to 4 ft., $40 per 1000; 6 to 8 ft., $15 per 100. Smaller sizes if wanted.

HIRAM T. JONES, Union County Nurseries, **Elizabeth, N. J.**

Mention the Florists' Exchange when writing.

Grape Vines

Descriptive and Price List free.

Currants, Gooseberries and other Small Fruit Plants. Extra quality. Warranted true.

T. S. HUBBARD CO., FREDONIA, N. Y.

Mention the Florists' Exchange when writing.

OCTOBER PURPLE PLUM!

The best of all Burbank Plums. We have a large and fine stock of trees, one or two year's old on Plum and Peach stock. Address

STEPHEN HOYT'S SONS, New Canaan, Conn.

Mention the Florists' Exchange when writing

VEGETABLE PLANTS

CABBAGE E. Succession, Flat Dutch, Jersey and Charleston Wakefield, 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

LETTUCE Grand Rapids, Curled Simpson, Boston Market and other varieties, 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

PARSLEY Good curled extra strong, 25c. per 100; $1.50 per 1000.

CAULIFLOWER E. Snowball, 35c. per 100; $2.50 per 1000.

If wanted by mail add 10c. per 100 on Cabbage, Lettuce and Cauliflower. 25c. per 100 on Parsley. Cash with order

R. VINCENT, JR. & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

F. & F. NURSERIES

SPRINGFIELD, NEW JERSEY.

Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.

Mention the Florists' Exchange when writing

ANDORRA NURSERIES

Red and Pin Oaks, 10 to 14 feet
Hemlocks, 4 to 6 feet

TRANSPLANTED SPECIMEN TREES.

WILLIAM WARNER HARPER, Prop., Chestnut Hill, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

TREES

Fruit Trees, Small Fruits, including grapes. **Ornamental Trees, Evergreens** and **Shrubs** for public and private grounds. **Shade Trees** for streets. **Hardy Roses, Hardy Plants, Climbers,** etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, MT. HOPE NURSERIES, 61st year. **Rochester, N. Y.**

Mention the Florists' Exchange when writing.

A TREMENDOUS CUT IN PRICES

Wonderful Bargains in Hardy Herbaceous Plants.

A chance of a lifetime to secure heavy, undivided stock at prices that defy competition. Owing to being considerably overstocked, we make this special offer. Plants are well-grown, large, true to name, and shipped just as they come from the ground without dividing.

PRICES ARE FOR CASH WITH ORDER.

	Per 100
Achillea Filipendula, 3½ in. pots	$3 00
" The Pearl, 3½ in. pots	3 00
Agrostemma Coronaria, 3½ in. pots	3 00
Anemone Japonica Rubra, 3½ in. pots	3 00
Alyssum Saxatile Compacta, field-grown	3 00
Artemisia, Wormwood, field-grown	3 00
Astilbe Japonica, 5½ in. pots	3 00
Arabis Alpina, 3½ in. pots	3 00
Aster Alpinus, 3½ in. pots	3 00
" Nouvæ Angliæ, 3½ in pots	3 00
" Granoiflora, 3½ in. pots	3 00
" Pyramidalis Hybrids, 3½ in. pots	3 00
" Ptarmicoides, 3½ in. pots	3 00
Anthemis Kelwayii, 3½ in. pots	3 00
Arundo Donax, variegated, 3½ in. pots	3 00
Aquilegia Vulgaris, double mixed, field-grown	3 00
Aquilegia Vulgaris, double white, field-grown	3 00
Aquilegia Chrysantha, field-grown	3 00
Aquilegia Cœrulea, field-grown	3 00
Chrysanthemums, hardy, four colors, field-grown	3 00
Caryopteris Mastacanthus, blue, 3½ in. pots	3 00
Coreopsis Lanceolata, 3½ in. pots	3 00
Clematis Davidiana, 3½ in. pots	3 00
Campanula Pyramidalis, blue, field-grown	3 00
" " white, field-grown	3 00
Chrysanthemum Uliginosum, field-grown	3 00
Delphinium Formosum, blue, field-grown	3 00
Delphinium Azureum, rich blue, field-grown	3 00
Delphinium Sinensis Album, white, field-grown	3 00
Delphinium Elatum Hybridum, field-grown	3 00
Dicentra Spectabilis, field-grown	3 00
Dianthus Barbatus, field-grown	3 00
Digitalis Monstrosa, field-grown	3 00
Eulalia Japonica, 3½ in. pots	3 00
Eulalia Japonica, variegated, 3½ in. pots	3 00
Eulalia Zebrina, 3½ in. pots	3 00
Eulalia Gracillima, 3½ in. pots	3 00
Euphorbia Corollata, 3½ in. pots	3 00
Funkia Cœrulea, 3½ in. pots	3 00
Funkia, Sieboldii, variegated, 3½ in. pots	3 00
Funkia Subcordata Grandiflora, field-grown	3 00
Lavendula Vera, field-grown	3 00
Lychnis Chalcedonica, field-grown	3 00
Lychnis Viscaria Splendens, 3½ in. pots	3 00
Lychnis Haageana Hybrids, field-grown	3 00
Lychnis, Double Rose, 3½ in. pots	3 00
Lobelia Cardinalis, 3½ in. pots	3 00
Linum Perenne, 3½ in. pots	3 00
Lathyrus, red and white, 3½ in. pots	3 00
Gypsophilia Paniculata, field-grown	3 00
German Iris, assorted, 3½ in. pots	3 00
Gaillardia Grandiflora, 3½ in. pots	3 00
Geum Atrosangineum, field gr. wn	3 00
Hemerocallis Flava, strong; field grown	3 00
Hemerocallis Sieboldii, field grown	3 00
Hardy Pinks, five splendid varieties; 3½ in. pots	3 00
Hibiscus, Crimson Eye, 3½ in. pots	3 00
Helianthus Multiflorus Plenus, 3½ in. pots	3 00
Helianthus Soliel d'Or, 3½ in. pots	3 00
Heliopsis Pitcherianus, field-grown	3 00
Iberis Gibraltarica, field-grown	3 00
" Sempervirens, field-grown	3 00
Primula Varis E'atior, 3½ in. pots	3 00
" Japonica, 3½ in. pots	3 00
Myosotis Palustris, 3½ in. pots	3 00
Phlox Decussata, twelve fine sorts, 3½ in. pots	3 00
Phlox Subulata Rosea, 3½ in. pots	3 00
" " Alba, 3½ in. pots	3 00
Platycodon Grandiflorum, blue, 3½ in. pots	3 00
Platycodon Grandiflorum, white, 3½ in. pots	3 00
Platycodon Mariesii, mixed, 3½ in. pots	3 00
Pyrethrum Roseum field-grown	3 00
Pentstemon, assorted, field-grown	3 00
Matricaria, double white, 3½ in. pots	3 00
Japanese Iris, mixed, including twelve varieties	3 00
Oenothera Frazeri, 3½ in. pots	3 00
" Rosea, 3½ in. pots	3 00
Rudbeckia, Golden Glow, field-grown	3 00
Rudbeckia Newmanii, 3½ in. pots	3 00
Scabiosa Caucasica, field-grown	3 00
Salvia Pratensis, field-grown	3 00
Statice Armeria, 3½ in. pots	3 00
" Latifolia, field-grown	3 00
Valeriana, mixed, field-grown	3 00
Tritoma Grandiflora, 3½ in. pots	3 00
Monarda Didyma, field-grown	3 00
Iris Siberian, field-grown	3 00

EDWARD B. JACKSON, Stamford, Conn.

Mention the Florists' Exchange when writing.

PARSLEY

Large field-grown clumps, 75c. per 100; $5.00 per 1000.

LETTUCE, Grand Rapids, Boston Market, and others, 15 cts. per 100; $1.00 per 1000.

TOMATOES, true forcing, 25c. a 100; $2.00 a 1000

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

SURPLUS FOR SPRING 1900

Can yet do **PEACHES** and **JAPAN PLUMS** in limited quantity; also **MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY STRAWBERRIES** from best leading varieties. Prices for same given upon application.

MILFORD NURSERIES, Milford, Del.

ALEX. PULLEN, PROPRIETOR.

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NATIVE RHODODENDRON

RHODODENDRON MAXIMUM, fine shapely plants, with good balls, in sizes ranging from 12 inches up to 5 feet high, foliage to the ground and well branched. Every plant a specimen.

PRICES ON APPLICATION.

A. E. WOHLERT, - Altoona, Pa.

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Yucca Filamentosa

Fine, large plants, **$10.00 per 100.**

SAMUEL C. MOON, Morrisville, Pa.

BUCKS CO.

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American Tree Seeds

Our Descriptive Catalog of American seeds is just out. Ask for it.

Our Folder, "How to Make Tree Seeds Grow," free with every order.

PINEHURST NURSERIES, Pinehurst, N.C.

Otto Katzenstein, Mgr.

Mention the Florists' Exchange when writing

FRUIT and ORNAMENTAL TREES,
Shrubs, Vines and Roses

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., Geneva, N. Y.

Mention the Florists' Exchange when writing.

KOSTER & CO.

Hollandia Nurseries, - BOSKOOP, HOLLAND.

Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Pæonies, Pot-grown plants for forcing, Rhododendrons, H. P. Roses, etc.

No Agents. Catalogue free on demand. No Agents.

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5000 Euonymus Japonica

(Green). Three years, 24 to 30 in., at $15.00 per 100.

MYRTLE (Vinca Minor), at $5.00 per 100. Cash with Order.

T. B. Hyatt & Son, Winfield Junction, N.Y.

Mention the Florists' Exchange when writing.

PRIVET

	100	1000
12 to 18 inch	$1.50	$13.00
18 to 24 inch	2 00	17.50
2 to 2½ feet	3.25	30.00

Trees, Shrubs, Plants, Vines.

Contracts made for Privet cuttings.

CASH WITH ORDER.

Atlantic Coast Nursery, Office, 606 4th Ave., ASBURY PARK, N. J.

JAMES H. CORNELL, Proprietor.

Mention the Florists' Exchange when writing.

CLEARY & CO.,

Horticultural Auctioneers,

60 Vesey St., NEW YORK.

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CLIMBERS.

20,000 Clematis Paniculata 2 years from open ground and pot grown.
10,000 Ivies 1 year from open ground.
10,000 Ampelopsis Veitchii, 1 year pot grown.
10,000 Hall's Honeysuckle, very strong.
5,000 Evergreen and Golden Honeysuckles.
10,000 Rosa Wichuraiana 1, 2 & 3 years old.
3,000 Wichuraiana Hybrids.
2,000 Actinidia Arguta.
Wistarias and other vines.

Nurseries { 30 miles from Philadelphia. 60 miles from New York.

THE WM. H. MOON CO., Morrisville, Pa.

Phila. Office, 702 Stephen Girard Bldg.

Mention the Florists' Exchange when writing.

100,000 VINES

AMPELOPSIS QUINQUEFOLIA, X strong, field-grown, 2 and 3 years, $5.00 per 100; $40.00 per 1000.
AMPELOPSIS VEITCHII, strong, 2 year, field-grown, $5.00 per 100; $45.00 per 1000. Strong, 3 years, from 4 in. pots, $8.00 per 100.
CLEMATIS PANICULATA, strong, field-grown, 1 year, $3.50 per 100; $25.00 per 1000. 2 years, $5.00 per 100; $40.00 per 1000. 3 years, $8.00 per 100; $75.00 per 1000.
CLEMATIS FLAMMULA, X strong, 3 years, $6.00 per 100.
EUONYMUS RADICANS VARIEGATA, strong, 2 and 3 years, $6.00 per 100; $50.00 per 1000.
IVY, ENGLISH, strong, 1 year, field-grown, 2 to 3 ft., $5.00 per 100; $40.00 per 1000. Strong, 1 year, from 4 in. pots, $8.00 per 100; $70.00 per 1000.
HONEYSUCKLE, HALL'S JAPAN, strong, 2 years, field-grown, $5.00 per 100; $40.00 per 1000. X strong, 3 years, field-grown, $6 per 100; $50 per 1000.

Samples sent on application. Address

Mount Airy Nurseries, 7356 Germantown Ave., **Phila., Pa.**

THADDEUS N. YATES, Proprietor.

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P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHOODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM,
PÆONIES, BLEEDING HEART,
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.

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HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 Crowns.

Otaksa, Red-Branched, Thos. Hogg,

Price, $10.00 per 100; $85.00 per 1000.

Send for our wholesale Price List of Roses, Clematis, Shrubs, Trees, etc., etc.

Our representative, Mr. J. Austin Shaw, is now in New England, and we should be pleased to have him call upon prospective purchasers of any stock in our line.

JACKSON & PERKINS CO., Newark, New York

Mention the Florists' Exchange when writing.

Hopper's Dry Powder Gun



For Plant Diseases; Insect Pests. Uses all Powders.

Circular Free.

A. & T. R. HOPPER, Highland, N. Y.

Mention the Florists' Exchange when writing.

A Grand Medium.

Please discontinue our add. Stock all sold The EXCHANGE did it alone. Your paper is a grand medium. With our best thanks.

RUXTON FLORAL AND NURSERY CO.,
WM. FRAZER, Prest.
Ruxton, Md., October 10, 1900.

"To be or not to be? that is the Question."

If you expect to Exist on Prolonged Ledger Accounts your answer will be Negative. Sell for Cash or Short Credit.

In order to get a move on Surplus Stock consigned by growers, I offer to **CASH-WITH-ORDER-BUYERS:**

DOUBLE NARCISSUS VON SION.

First size . . . . . per 1000, $10.00 Second size . . . . . per 1000, $9.00

CHINESE SACRED LILY.

Per mat, 120 bulbs, $4.75
Per 1000 . . . . . 33.00

LILIUMS.

HARRISI, 9 to 11 inch, monsters . . . . . per 100, $18.00
" 7 to 9 " fine condition . . . . . per case of 200, 16.00
" 5 to 7 " " . . per case of 400, $12.00; per 1000, 27.50
LONGIFLORUM, 7 to 9 inch, Bermuda grown . . . . . per case of 200, 6.00
" 5 to 7 " " " . . . . . " " 400, 10.00
" 5 to 7 " " " . . . . . per 1000, 20.00
" 9 to 10 " Japan grown . . . . . per 100, 8.00

If you want to obtain the most for your money, send me your order.

FOR FALL AND SPRING DELIVERY

ROSES, SHRUBS, ETC.

80,000 HARDY LOW-BUDDED TWO-YEAR HOLLAND ROSES, Rhododendrons, Tree Roses, Clematis, Crimson Ramblers, Azaleas, Etc.

10,000 AMERICAN ROSES ON OWN ROOTS, FALL OR SPRING.

Hyacinths, Tulips, Crocus, Etc.

C. H. JOOSTEN, Importer, **85 Dey St., New York.**

Mention the Florists Exchange when writing

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN.

THEODORE J. SMITH, Geneva, N. Y., President; N. W. HALE, Knoxville, Tenn., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

The anniversary number of the Germantown (Pa.) Telegraph, contains an interesting article on the development of the nurseries of Thomas Meehan & Sons.

The will of the late T. T. Lyon, recently probated, provides that, under certain conditions, all of his property shall go to the Michigan State Horticultural Society.

North Topeka, Kan.—Peters & Skinner, nurserymen, have purchased another 87 acres of ground.

Rochester, N. Y.—Harrison A. Lyon, in the nursery business with A. J. Fisk until 1874, died here October 19, aged 85 years.

Lincoln, Neb.—W. R. Harris has sold the Tecumseh Nursery to A. Russell, of Hastings, and will retire from business.

Champaign, Ill.—E. S. Swigart has purchased the John B. Harris nursery grounds and will divide the tract into building lots. It comprises 20 acres.

Germantown, Pa.—To properly accommodate their ever-increasing business, Thomas Meehan & Sons have found it necessary to erect a fine two-story addition to their present offices. This firm reports an excellent prospect for Fall trade.

Nursery Stock for Canada.—A circular has been issued to Collectors of Customs notifying them that nursery stock from countries to which the San José Scale Act applies may be imported and entered at the Customs House at St. John, N. B., St. John's, P. Q., Niagara Falls, Windsor, Winnipeg, and Vancouver, between October, 15th 1900, and December, 15th 1900, upon a certificate of an authorized Government official at one of the said ports that the nursery stock has been thoroughly fumigated with hydrocyanic acid gas, under his supervision. Collectors are to instruct railway officials and others concerned to expedite the fumigation of the stock and its immediate transit after fumigation, in order to protect it from damage, as far as possible.

Mt. Holly, N. J.—Charles B. Hornor & Son, nurserymen, recently disposed of their stock of trees and shrubs at public sale. This firm had been in business for many years. It is rumored that the members of the firm consider that there is more money in Kieffer pear orchards than in the nursery business. The vicinity of Mt. Holly is becoming noted for its numerous Kieffer orchards, as well as for other fruit industries.

James Henry, whose death was recently reported, was the successor of Henry Haines, nurseryman, Germantown, Pa. Henry Haines was the son of well-to-do parents, who encouraged him to start a nursery, more from a belief that employment should be engaged in by everyone, than from any necessity to accumulate money. The young man got together the nucleus of a good nursery, but his mind becoming unbalanced, he had to relinquish the business, and it was leased to Mr. Henry. The stock has been pretty well sold out, and the business is practically a thing of the past. Henry Haines died a few years ago.

P. J. A. Berckmans, Jr., of the P. J. Berckmans Co., Augusta, Ga., visited Philadelphia the past week. Another visitor was A. E. Crouch, of Rochester, Pa., who recently secured a large contract for trees for the Pittsburg parks.



Fruit of Akebia Quinata.

Protecting Rhododendrons in Winter.—Many rhododendrons die in Winter, not because they are not hardy, but because the ground freezes so deeply that the roots are unable to supply the moisture called for by the leaves. Transpiration is very great on a cold, clear day. What the plants need is a good covering of the ground with forest leaves, applied before the ground freezes to any depth to hurt. These leaves should be looked out for now in order that there be no delay in applying them at the proper time. Should it be impossible to get leaves, then coarse manure may be used, but nothing equals forest leaves, an inch or two sufficing for the purpose. Shading of the leaves from the sun is a great help. In fact, it is the sun in Winter which prevents us growing many a nice, broad-leaved evergreen. If rhododendrons could be entirely shaded in Winter, many of the so-called tender kinds would survive. Therefore, evergreen boughs, or even bare twigs, placed over them are a help. Forest leaves may be thrown among the branches, as many of them would find a lodgment, and thus assist in making shade.

Nurserymen find it pays to preserve the foliage intact, not only for the plant's sake, but also that when the leaves are scorched in Winter the plants are not as satisfactory to customers as when they are entirely green and fresh. Keep frost from the roots and sun from the tops, and there are few rhododendrons but will Winter in good condition.

Evergreens for Pots.—Nurserymen near large cities say they find an ever increasing demand for evergreens in pots, or for potting. Many stores, other than those of florists, have taken to keeping these plants for sale, and florists always have calls for them for window-box filling, and hall decorating, from hotels and owners of large dwellings. For either window-box filling or for pots, evergreens of straggling growth are not wanted. For boxes they may be less of conical outline than are required for pots. In the latter case, well developed, shapely young stock must be supplied. Such specimens may be found in the following list, the shape desired being natural, and not produced by pruning: White spruce, Norway spruce, hemlock spruce, golden arbor-vitæ, tree box, Lawson's cypress, evergreen euonymus, junipers, Cembran pine, Japanese cedars, and the various forms of the native arbor-vitæ. There are several varieties of the Chinese golden arbor-vitæ, and they are admirable pot plants. The same may be said of Lawson's cypress. Besides the type there is a variety, Allumii, and another, glauca, both with silvery-green foliage, of much beauty. Of junipers, the Irish, Swedish and Chinese are of upright, pretty growth. The Japanese cedars are retinisporas, and exist in many useful and beautiful varieties; pisifera aurea and plumosa aurea are the best, and each of these can be had in its green form as well. As a guide, it will be found that, of all the sorts named, those of about 2½ to 3½ feet will go into 10-inch pots. It is well to pot, or box, evergreens as far in advance of cold weather as possible after September, that some roothold may be acquired before severe cold weather comes.

The Flowering Paper Mulberry.—A great curiosity in the way of trees exists in the flowering form of the paper mulberry, recently introduced to this country. Until a year or two ago the oldest veterans in the nursery business had never seen this tree in America. One firm imported many plants of it, and its beauty causes universal surprise that it had not been introduced before. Preliminary to flowering a green ball appears, very much like what the common buttonball produces. But very soon this green ball is clothed with fleshy, rosy pink flowers, of great beauty. As the paper mulberry makes a small, spreading, round-headed tree, under which one can walk, the balls of flowers are easily seen. The male form of this tree has been in this country for 50 years or more, and probably all the plants have spread from one center, which happened to have this particular form. The new introduction, the female one, will be a great addition to the list of desirable small trees.

JOSEPH MEEHAN.

Akebia Quinata.

Our illustration shows a fruit of the above-mentioned, well-known climbing shrub. This plant produces its fruit so rarely in this climate that very few of the many who grow the vine have ever seen a specimen of its fruit. Oliver, in his "Plant Culture," gives the following supposed reason for this: "Although a common plant, we seldom see it in fruit, which is probably accounted for by the fact that the pistilate flowers come into bloom before the staminate ones, thus preventing fertilization; besides, the plants flower at a period when fertilization out-of-doors is a somewhat precarious operation with vines brought from other countries." The fruit in question measured 9 inches in spread over the two lobes, and each lobe was 4½ inches across at the widest part. The plant was grown by Mrs. Chas. E. Ward, Mount Vernon, N. Y. In Japan the fruit is considered of much value medicinally, and is used as an emollient.

CLASSIFIED ADVERTISEMENTS.

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent, also Second-hand Materials.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED.

FOREMAN or assistant in large place, roses, carnations, violets, chrysanthemums and stove plants. A. D., care Florists' Exchange.

YOUNG man desires a position as assistant in store; experienced in greenhouse work and making up. Z. T., care Florists' Exchange.

SITUATION wanted by experienced florist, single, as foreman or in private place; has references in all branches. Z. S., care of Florists' Exchange.

FIRST-CLASS maker-up and decorator wants position as assistant in city florist store or commercial place; can produce references. A. G., care Florists' Exchange.

SITUATION wanted by rose and carnation grower, as working foreman or to take charge of section; German, age 33, single, life experience; best references. Florist 129 Forest Ave., Flushing, N.Y.

FLORIST, gardener, German, single, age 31, 15 years' experience in greenhouse and outdoor gardening, wants situation on private place; best of reference; state wages. Address A. E., care Florists' Exchange.

SITUATION wanted, by young man, age 24, commercial or private, nine years' experience in general routine of horticulture; good budder and propagator; good references; he speaks besides English, French and German. F. Sokol, 9 State Street, Hackensack, N. J.

HELP WANTED.

WANTED, experienced packer of plants in large wholesale shipping establishment. Address Z. W., care Florists' Exchange.

WANTED, experienced and sober night fireman on steam boilers; steady and permanent place for good man. Z. V., care Florists' Exchange.

WANTED—An assistant; roses, carnations, violets, etc; married man; wages, free house and $8.00 per week; when applying give references. John Rock, Bridgeport, Conn

WANTED—Young man with some experience in greenhouse work; wages $8 00 per week to start. Address, stating age, experience, etc., J. A. Peterson, 405 Race St., Cincinnati, Ohio.

WANTED, first-class greenhouse man who understands general greenhouse work; must be up in geraniums, carnations, begonias, etc.; good wages. Address A. A., care Florists' Exchange.

WANTED—A single young man, experienced in general greenhouse work; must be a good potter and propagator. State particulars, references, wages per month and board. Z. R., care Florists' Exchange.

WANTED—A steady reliable young man with some experience as assistant in commercial place; wages $18 and board per month; state age, experience and where last employed. Geo. S. Belding, Middletown, N. Y.

WANTED—A thorough gardener and florist in a greenhouse near Boston; must be a good grower, potter and propagator of general greenhouse stock, palms, ferns, roses, carnations, etc.; able to make up designs. State wages, references and experience. Z. P., care Florists' Exchange.

WANTED, BY NOV. 15TH, RESPECTable single man, good hand with brides and bridesmaids; wages, with board, $30.00 per month to start; will pay more to one who grows nice stock. Address F. Holznagle, Highland Park, Detroit, Mich.

MISCELLANEOUS WANTS.

GREENHOUSES wanted, to buy or rent, about 3000 square feet of glass, located within 30 miles of New York; also dwelling house. Send particulars to S. Miyata, 1250 Bedford Avenue, Brooklyn, N. Y.

MARIE LOUISE VIOLETS WANTED, about one thousand plants. Address, with prices, A. F., care Florists' Exchange.

MISCELLANEOUS.

FOR SALE—Hall duplex steam pump and three horse power boiler, 1¼ in. suction in discharge, in good working order. Price, $50.00 cash. Robert Macdonald, Summit, New Jersey.

Rotting of Greenhouse Lettuce.

In the lettuce-forcing industry, which is of great importance in Massachusetts, much loss is experienced by various diseases of the crop, of which rotting is the worst. The amount of loss due to this cause is very commonly 25 per cent. and occasionally a whole crop is destroyed. This trouble has been prevalent for some time, but its real nature has been very little known. It has been found to be caused by several different fungi entirely distinct from each other, and differing very much in their mode of development and relations to the crop. Botrytis vulgaris, the fungus to which the trouble has generally been ascribed, occurs very rarely upon well-grown lettuce as a real parasite and is of minor importance. It is commonly associated with the troubles known indefinitely as "Damping Off," "Mildew," "Black Root," and "Rot." By far the worst trouble is that characterized by a rotting of the stem and sudden and complete collapse of the whole plant which is known, as the "Drop." This disease has been found to be caused by a fungus called Sclerotinia Libertiana, which has not previously been described on lettuce, but is well known as the cause of many similar diseases of other plants. The spread of this fungus in the greenhouse is almost entirely by growth in the soil, where by means of special organs called sclerotia it is able to exist indefinitely between crops and resist all the ordinary influences of Nature.

Another undescribed disease of lettuce has been found which is caused by a species of Rhizoctonia. This is much less prevalent than the Drop and is characterized by a rotting of the leaf blades.

By sterilizing the soil either wholly or in part, the Drop and Rhizoctonia can be completely eradicated or suppressed. Experiments show that ⅝-in. or ¾-in. surface coverings of sterilized sand or earth gave a reduction of 47 per cent. in the amount of Drop. One inch of sterilized sand or earth gave an average reduction of 87 per cent.; 1½-in. of sterilized soil, an average of 93 per cent., and 2, 3, and 4-inch, gave 100 per cent. reduction or no Drop whatsoever, when not contaminated by infected material.

The treatment of the soil by hot water, which raised the temperature of the surface from 176 degrees F. to 186 degrees F. to a depth of 4 inches, reduced the amount of Drop 76 per cent. and completely killed the Rhizoctonia. Treating the surface with a steam rake raised the temperature of the soil to 168 degrees F. to a depth of 4 or 5 inches. This treatment succeeded in reducing the Drop only 5 per cent.; the Rhizoctonia being reduced 57 per cent.

The amount of heat necessary to kill the Drop is about 160 degrees F.; that for the Rhizoctonia appears to be somewhat less.

This method of treatment possesses no value for such diseases as the Botrytis, Mildews, Bacterial-Rot, etc., which can be controlled by proper management of the crop.

Other than the methods of heating the only alternative is changing the soil.

The application of such substances as lime, sulphur, and charcoal to the surface of the soil exerts no repressive influence on the Drop or other lettuce diseases.

Coatings of sawdust, coal ashes and sand applied to the surface of the soil exert only a slight controlling influence upon the Drop. The last substance, however, showed, generally, less Botrytis Rot.

Sub-irrigation, by reducing the surface moisture, has a tendency to lessen the amount of rot.

Experiments with various gases showed that while some are capable of killing rot fungi when freely exposed to their influence, they are all powerless when the organisms are superficially embedded in plant tissues or in the soil.

Freezing the soil has no detrimental effect upon the Drop; on the other hand the development of the sclerotia is accelerated by freezing.

Desiccation exerts a remarkable accelerating influence upon the development of the sclerotia; in one experiment the amount of Drop was increased 64 per cent.

The period in the development of the crop at which the greatest loss occurs is at about the time of maturity.

The optimum conditions for the development of the Drop fungus are practically the same as those for lettuce.—BULLETIN 69, Hatch Experiment Station, Mass.

BUSINESS OPPORTUNITIES.

RANGE of greenhouses containing 5,500 sq. ft. of glass all in good order; good retail trade; situated 3 miles from New York City; for sale at reasonable price; owner retiring from business. Address Z. N., care Florists' Exchange.

FOR SALE—Owing to the death of the owner, small green house and stock, in a prosperous Southern City of 25,000; only business of the kind in City; no reasonable offer refused; correspondence invited. Foster Carter, Shreveport, La.

STORE to let. West side, 2783 Broadway, between 107th and 108th Sts. Opportunity to establish good business in high-class residential and apartment district. Inducements to responsible party. Worth investigation. Apply on premises, Ottinger.

FOR SALE at a bargain, in a thriving wide-awake town, 60 miles from New York, where there are no other florists, a new iron frame greenhouse, 158 feet long, with propagating house, No. 6 Weatherhead heater potting shed, etc.; two acres of land facing south; only little cash needed. A. B., care Florists' Exchange

FOR LEASE or sale on easy terms, 6000 feet of glass, new buildings, fairly well stocked, hot water heating, good residence, two miles from a city on South Atlantic seaboard, 90,000 population, with no up-to-date florists; fine opening for experienced, enterprising man. Apply, with references, to A. C., care Florists' Exchange.

FOR SALE—GREENHOUSE PLANT OF 6 houses, in Jersey City, well stocked and in full operation. Address Y. W., care Florists' Exchange.

FOR RENT AT FREDERICK, MARYland, Greenhouses, 162x11 ft.; 162x 20, 63x18, boiler room 60x18, equipped with large boiler and all necessary pipes; large mushroom pits; stable and wagons; 3 acres. Ill-health of owner compels retiring from successful business. Particulars on applicat on. C. B. Trail, Agent.

FOR SALE—THE McKELLAR FLORAL Establishment at Chillicothe, Ohio, consisting of 1.16 acres land, located inside the city limits, on which are located 13 greenhouses, all in first-class condition, and well stocked with roses, carnations, palms, and general line of potted plants of all kinds. Natural gas fuel, steam heating apparatus throughout; 4 acres additional adjoining property if more required; divided to suit. Business established over 40 years. This is the best floral establishment in southern Ohio. Population of Chillicothe is 15,000. For further particulars address Silas F. Garrett, Executor, Chillicothe, Ohio, or Chas. W. McKellar, 47 Wabash Ave., Chicago.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.

Mention the Florists' Exchange when writing.

Indianapolis.

This has been a remarkably beautiful Fall so far; only once did we have the temperature below freezing point. It is interesting to note the effect of this weather on the tree foliage; some trees show no signs of turning, while others are beautifully colored, mostly all a golden yellow; other trees, again, are denuded of foliage. Very likely the dryness of the ground makes this difference.

The Fall season of activity in the florists' business has started in sooner than usual. Several large receptions and weddings have kept the prominent florists busy. Bertermann Bros., on October 23, furnished a debutante reception and dance with one of the most elaborate decorations ever made in the city. It consisted mostly of greens and electric lights. The effects were light green and pink, with wall pockets of pink roses and pink bows, American Beauty and specimen decorative plants, effectively arranged.

Chrysanthemums and carnations are coming in nicely. Cosmos is about over. Shipped stock is of better quality than usual.

During the carnival week, a week of parades, masquerading, electric illuminations, etc., a floral parade was also held, but the material used was all artificial flowers. In the merchants' parade Bertermann Bros. made a great hit by showing a large float, all of fine greens and fresh flowers. Doves were placed on the corners, and the center consisted of a very large handle basket filled mostly with American Beauty, etc. Satin ribbon was also employed in profusion. A cart filled with palms and other plants, decorated with greens and ribbons, and also a wheelbarrow filled with flowers, were pushed by one of their employes. The attendants were dressed in foresters' green suits.

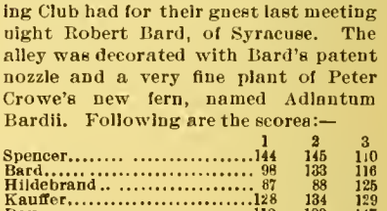
Henry Weishaar & Co. have given up their greenhouses in Brightwood and bought the greenhouses and heating apparatus belonging to Mrs. Chas. Rieman, removing the same to corner of Dorman and Polk Streets. There are seven houses 16 x 70 feet each.

Martin Nelson, who had leased the greenhouses of Mrs. Chas. Rieman, is now out of business.

Anthony Wiegand & Sons are in splendid shape for their Winter business. By enlarging their store they made a great improvement. A large workroom and a room for recreation were also added.

Bertermann Bros. have rebuilt the conservatory at their store, and secured much more head room and floor space. They also have redecorated their store. The greenhouses east of the city also received special attention in being repainted, etc. William G. Bertermann returned from Germany on October 15, much improved in health. On the way from New York he stopped at Buffalo to visit the Pan-American Exposition grounds. He did not meet the genial William Scott, who was traveling in the East. He found the grounds very much advanced and also the buildings. He predicts one of the most complete exhibitions held anywhere.

Alfred Pahud returned some time ago from a visit to France and Switzerland. He enjoyed himself so well that he expects to go again within the next few years. He is now busy getting his place ready for Winter. W. B.



Utica, N.Y.—The Utica Florists' Bowling Club had for their guest last meeting night Robert Bard, of Syracuse. The alley was decorated with Bard's patent nozzle and a very fine plant of Peter Crowe's new fern, named Adiantum Bardii. Following are the scores:—

	1	2	3
Spencer	144	145	110
Bard	98	133	116
Hildebrand	87	88	125
Kauffer	128	134	129
Day	112	100	147
Tomey	..	87	104
Wilcox	117	133	116
Baker	130	141	147
Rowlands	162	145	107
Crowe	79	93	121
McLean	74	83	81
Wm. Mathews	90	126	114
Steff	99	120	103

QUIS.

New York.—The scores made on Monday evening were as under:—

	1	2	3	4
A. S. Burns	136	157	165	121
F. H. Traendly	142	124	130	...
J. I. Raynor	137	133	138	154
T. J. Lang	203	192	188	170
J. Theilmann	148	153	148	152
W. Marshall	130	120	147	...
W. A. Manda	171	...	...	...
J. Birnie	127	...	...	...
W. J. Stewart	90	...	...	...
T. Roehrs	145	...	...	...
J. Manda	165	...	...	...
A. Wallace	105	...	...	...
S. S. Butterfield	105	...	...	...

West Hoboken, N. J.—Following are the scores rolled Wednesday, October 24, by the members of the North Hudson Florists' Club:

	1	2	3	4
M. Hansen	149	110	144	144
Chas. Menne	89	141	105	101
L. Hansen	163	107	127	81
Chas. Dietz	101	115	105	155
W. Hillebrecht	122	119	152	144
H. Baumann	112	93	109	125
Otto Grundman	116	91	129	112
C. Tschupp	96	101	89	109
Kornitsch	85	106	109	93
John Birnie	96	105	114	97
G. Brown	..	136	140	189

At Peter Henderson & Co.'s.

The greenhouses of this long-established firm, which are situated on Arlington avenue, Jersey City, have been undergoing extensive repairs after a service of 24 years. The average life of a wooden frame greenhouse is usually estimated at about ten years; here, however, is an example of the endurance of wood, when properly selected.

The renovation of one range, consisting of 16 houses, each 100 feet long and 25 feet wide, is almost completed. New gutters have been installed throughout, a very economical method being adopted. The rafters were cut off about two feet from the plate; the gutters were then built in, and a new section of rafter spliced to the old one, the joining being secured by an iron band, thus giving additional strength. When putting in the new plate, a sufficient width was used to allow of the ends of the sash-bars being shortened just enough to remove the rotted portion at the end, and where a sash-bar was decayed beyond the point to which the new plate would reach, the bar was cut and spliced in a manner similar to that employed in the case of the rafter, excepting that the splicing was done at a point far enough up the roof to allow of the drip falling on the walk, instead of on the bench. The methods used were highly successful, the breakage of glass being next to nothing, the results making the range practically as good as new.

Two new iron frame houses, each 100 feet long by 25 feet wide, have been erected during the Summer. These were built by the Lord & Burnham Co., 16 x 24 glass being used, together with other modern improvements.

Roses for pot sales are grown in vast numbers, there being about 40,000 square feet devoted to them alone. Large areas are also devoted to palms, ficus, ferns, and azaleas. The latter arrived from the other side in splendid condition and are bound to be satisfactory.

Mr. Davis, the manager at the greenhouses, has perfected an arrangement for spraying palms and other plants with insecticides, that for simplicity and thoroughness beats anything we have hitherto seen in the spraying line; and as the device is not patented, we will endeavor to explain how it is operated: A galvanized iron pail has a faucet inserted near the bottom. The insecticide to be used is placed in the pail, and the latter is hung to the rafter of the house, directly over the location where the hose attached to the water hydrant is situated. To this faucet in the pail is fastened a length of ¼-inch rubber tubing. This tubing is tied to the hose pipe, clear along to within six inches of the end of the nozzle. The tubing here is fitted on to a piece of ¼-inch iron pipe, about eight inches in length; this pipe is bent to a curve which brings the discharge from the tube directly on the point of the nozzle of the hose pipe, at right angles. The elevation of the pail containing the insecticide gives just enough pressure to cause the liquid to flow nicely, and, meeting the force of the water right at the mouth of the nozzle, it is mixed and distributed perfectly. The tubing being attached to the hose pipe, it is handled with ease, and by using the Stott nozzle, the spray is distributed evenly over every particle of surface without waste of material. We saw the device in operation with Whale Oil Soap and Rose Leaf Extract. When the former is used, however, it must first be made into the consistency of soft soap, then rubbed through a piece of muslin. If this be not done, the sediment in the soap will prevent the apparatus working evenly. The plants sprayed by means of this device are as effectively covered as if they had been dipped; and a house full of plants can be treated in less time than the dipping overhead of one-tenth part of the plants therein would take.

Near to the greenhouses are planted blocks of cannas. Two of the new varieties are yet in full bloom, although the date is October 23, and are deserving of special mention.

Governor Roosevelt justifies its claim to throwing a red and yellow flower, to the full extent; and where a red and yellow effect is wanted, it can be obtained by planting this one variety. We picked several spikes of bloom and in every case both red and yellow segments were found; some of them of one solid color; others one-half of each color; the effect from a distance appearing as though two varieties, distinct in color, had been planted.

The other canna referred to is a very dwarf one, named Little Gem, reaching a height of 22 inches, of low, stocky habit; with a scarlet flower, having a lace of gold bordering the petal. This is the dwarfest sort yet, and for certain kinds of work will prove an acquisition.

Firms Who Are Building.

ITHACA, N. Y.—A. J. Smith has just completed three new greenhouses.

FARMINGTON, N. H.—James A. Fletcher will erect a greenhouse, 50 x 20 feet.

NORTHFIELD, MASS.—Frank Perould is putting up a new greenhouse.

WESTPORT, CONN.—Fillow & Banks are building extensive additions to their greenhouses, North Main Street.

CRYPTOMERIA JAPONICA (JAPAN CEDAR) Takes the place of Araucaria Excelsa; sells everywhere and everybody is pleased with it; it is a money-maker. Strong stock, from 2 in. pots, $5 00 per 100; or send $1.00 for a sample of 20, and you will soon want more.
E. I. RAWLINGS, Quakertown, Pa.
Mention the Florists' Exchange when writing.

PANSIES WORTH RAISING.
Pansy Plants all sold for the present.
CHR. SOLTAU, 199 Grant Avenue, Jersey City, N. J.
Mention the Florists' Exchange when writing.

VINCA SMILAX Field-grown, strong, $3.00 and $4.00 per 100. Plants, Extra., 3 in.. $2.50; 3 in. good, $2.00; 2½ in., $1.25 per 100. CASH, PLEASE.
J. H. DANN & SON, Westfield, N. Y
Mention the Florists' Exchange when writing.

FORGET-ME-NOT
True Winter flowering, fine plants, out of 3 inch, $2.50 per 100.
J. C. SCHMIDT, BRISTOL, PA.
Mention the Florists' Exchange when writing.

CANNAS Extra large clumps, $3.00 per doz. Chas Henderson, Chicago, Pres. Cleveland, Philadelphia, A. Bouvier, Paul Marquant, Queen Charlotte, Mme. Crozy, Black Prince, Duke of Marlboro, Le Clerq, Barbank, etc. Shellrond Greenhouses, Grange P. O., Baltimore, Md.
Mention the Florists' Exchange when writing.

SMILAX PLANTS, strong bushy plants, 2 and 2½ in., $5 a 1000; 75 cts. a 100, cash. Must be sold to make room. Sample free to intending buyers. Special price for lot of 20,000.
VIOLETS GONE.
R. KILBOURN, - - Clinton, New York.
Mention the Florists' Exchange when writing.

PRIMROSE and CYCLAMEN
Primrose, latest improved large-flowering, fine plants, 2¼ inch, $1.50 per 100; 3 inch, extra strong, $4.00 per 100.
CYCLAMEN GIGANTEUM, 3 inch, $1.00 per 100. Cash, please.
J. W. MILLER, Hatton, Pa.
Mention the Florists' Exchange when writing.

COLEUS
Fine stock in 2½ and 3 inch.
Write for Prices.
J. E. FELTHOUSEN, Schenectady, N. Y.
Mention the Florists' Exchange when writing.

Cyclamen Persicum Giganteum, Williams' fine mixed, cz., $10.; 100 seeds, 50c.
Hardy Primulas, fine mixed, trade pkt., 25 cts.; Yellow Coucon, 20 cts.
Pansy, Giant, Mme. Perret, cz., $4.00; trade pkt., 25 cts.; Cecile Davy, pure white, trade pkt., 25 cts.; Giant Trimardeau, fine mixed, oz., $1.75; pkt., 20 cts.
Vinca, fine mixed, trade pkt., 20 cts.
BEAULIEU, Walker and Belmont Aves. Woodhaven, N. Y.
Mention the Florists' Exchange when writing.

50,000 DAHLIA CLUMPS for Fall Delivery.
Descriptive Price List upon application. Stock up-to-date. Prices right.
IMPROVED DOUBLE FRINGED PETUNIAS
20 named varieties, strong, from 2 inch pots, $2.50 per 100; $22.50 per 1000.
HYDRANGEA OTAKSA Strong, 2½ inch pots, well-grown stock. $3 per 100; $27.50 per 1000. Satisfaction guaranteed.
A. B. DAVIS & SON, Purcellville, Va.
Mention the Florists' Exchange when writing.

5,000 VINCA MAJOR VAR. Field-grown, full 2 to 3 ft., $6 00 per 100.
California Violet Clumps, $3.00 per 100; L. H. Campbell, $5.00, fine.
Blue and Crimson Spiræa, 2½ in., 3c.; field-grown, 6c.
Alyssum, 2½ in., for winter, $2.50 per 100.
Marguerites, white, 4 in., 6c.
Boston Fern. 5 in.. 10 to 15 fronds, 15c.
Scott and Portia Carnations, to close, $3.00 per 100 CASH, PLEASE.
BENJ. CONNELL, Florist, West Grove, Pa.
Mention the Florists' Exchange when writing.

HYDRANGEAS
3 to 6 crowns..... $6.00 per 100.
6 to 12 crowns..... 10.00 "
RUBBERS 30 inches high, $5 00 per doz.
CHAS. IFFINGER, P. O. Box 162, Ozone Park, L. I.
Mention the Florists' Exchange when writing.

PRIMROSES!

	Per 100
Chinese Mixed, large flowering, fringed	$1 25
Obconica Grandiflora and Rosea	2 00
ASPARAGUS SPRENGERI, 2 in. pot	2 50
ASPARAGUS PLUMOSUS, 2 "	3 50

Cash, please.
JOS. H. CUNNINGHAM, Delaware, O.
Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS
Stock plants of Ivory, Glory of Pacific, Mrs. H. Robinson and Bonnaffon, 50 cents per dozen.
GERANIUMS, 2½ inch pots..... $2.50 per 100
CUT SMILAX.....20 cents per string
Cash with Order.
WM KEIR, - Pikesville, Md.
Mention the Florists' Exchange when writing.

THIS IS A BARGAIN!
Boston Ferns, 4 inch, $10.00; 5 inch, $15.00; 6 inch, $20.00. Hydrangea Otaksa, 3 inch, $5.00; 4 inch, $5.00; 5 inch, $10.00; 6 inch, $12. Grevillea Robusta, 4 inch, $5.00. Dracæna Indivisa, 6 inch, $15.00. Begonia Metallica, in bloom, 4 inch, $5.00. 100 Meteor and 300 Mrs. Fisher Carnations; plants, first size, $5.00 per 100.
This is A No. 1 stock. Cash with all orders.
A. W. HOYLE, - Spencer, Mass.
Mention the Florists' Exchange when writing.

PINK BOUVARDIA
(Rosea Multiflora.)
Very fine plants from the field, $10.00 per 100.
Also some Good Scott Carnation plants from the field, $4.00 per 100; $35.00 per 1000.
CHAS. E. MEEHAN, Germantown, Phila., Pa.
Mention the Florists' Exchange when writing.

XXX STOCK For Immediate Shipment.
Cyclamen Persicum Splendens Giganteum, finest strain in the world, a splendid stock of plants, in bud, all colors, from 3 in. pots, $7.00 per 100; $65.00 per 1000.
Begonia Rex. I have a most beautiful collection of this justly popular pot plant, in the finest market varieties, from 2½ in. pots, strong plants, mixed, $4.00 per 100; labeled, $5.00 per 100.
ALL STOCK GUARANTEED A No. 1.
PAUL MADER, East Stroudsburg, Pa.
Mention the Florists' Exchange when writing.

CYCLAMEN GIGANTEUM
4 colors, 4 inch pots, $10.00 and $12.00 per 100. Choicest strain, finely marbled, well set and in splendid condition.
Cineraria Hybrida Grandiflora Mitchell's Giant Prize, 2 inch, $2.50 per 100.
Primula Forbesii (Baby Primrose), extra fine plants from 3 in. pots, ready for 4s and 5s, only $5.00 per 100.
Heliotrope, dark, 3 inch, bushy, $3.00 per 100.
Vinca Variegata, field-grown, strong, $4.00 per 100.
Begonia Rex, 15 varieties, 3 inch, $5.00 per 100.
Flowering Begonias, 2 in., 15 vars., $2.50 per 100.
Cyperus Alterolifolius, 3 in., fine, 5 to 8 stems, $5.00 per 100.
Cash with order, please.
GEORGE J. HUGHES, Berlin, N. J.
Mention the Florists' Exchange when writing.

PANSY PLANTS
Giant Flowering, 6 leaved. 100, 40c.; 1000, $2.50.



Geraniums, choice mixed, 2½ inch Per 100, $1.50; per 1000, $12.50.
Chinese Primroses, mixed, 2½ inch. Per 100, $1.50; per 1000, $12.50.
Hardy Gross Pinks, mixed or separate. Per 100, $1.50; per 1000, $12.50.
Begonias, Flowering, mixed, 2½ inch. Per 100, $1.50; per 1000, $12.50.
Sedum Variegatum, border plant, 2½ inch. Per 100, $2; 1000, $15.

	100	1000
Calla Bulbs, medium sized	$5 00	$40 00
Rose Geraniums, scented	1.50	12 50
R. C. Carnation, Morning Glory, light pink	5.00	40.00
Hardy Ferns, 4 inch, mixed	5.00	40.00

Pansy Seed, Giant Flowering, oz., $1.
5 plants at 100 rates; 250 plants at 1000 rates. Cash
THE MORRIS FLORAL CO., Morris, Ill.
Mention the Florists' Exchange when writing.

GERANIUMS.
100,000 Rooted Cuttings.—Francis Perkins, A. Ricard, John A. Doyle, J. J. Harrison and Leonard Kelway, $2.00 per 100; $15.00 per 1000. S. A. Nutt, Beaute Poitevine, La Favorite, Ed. Dauglede, Mme. Dabouche, Athlete, Acteon, C untess Castris, Clare Frampot, Pres. Du Bois, and others, $1.50 per 100; $12.00 per 1000. D. Grant, $11.00 per 1000. Mme. Sollier, $1.25 per 100; $10.00 per 1000.
Abutilons, Savitzii, trailing and 5 others, $1.50 per 100. Weeping Lantanas, $1.25 per 100. Special prices on large order.
CASH WITH ORDER.
C. A. HARRIS & CO., Delanson, N. Y.
Mention the Florists' Exchange when writing.

To the Trade.

2000 ENGLISH IVIES
Strong plants, from 4 in. pots, $15.00 per 100.
A No. 1 SCOTT CARNATIONS
$5.00 per 100.
SELAGINELLA
From 3½ inch pots, $5.00 per 100.
64 SASHES 3 feet by 6 feet, 7 inch by 9 inch glass, good for frames making a house 10 feet by 100 feet; $65.00 for the lot.
JOHN RECK, Bridgeport, Conn.
Mention the Florists' Exchange when writing.

EXPRESS PREPAID
On All Rooted Cuttings and Satisfaction Guaranteed.



50,000 Red and Yellow Alternantheras, 60c. a 100; $5.00 a 1000.
Ageratums, 4 vars.; Princess Pauline, 75c. a 100; $7 a 1000. A new rich blue, a dwarf variety. Habit like Pauline, a good one, 75c. a 100; $7.00 a 1000. Cope's Pet, blue, Lady Isabelle, white, 60c. a 100; $5.00 a 1000.
Heliotropes, 10 best varieties, $1.00 a 100; $8.00 a 1000.
Daisies, California, white; Yellow Castle, yellow; the only 2 vars., $1.00 a 100; $8.00 a 1000.
Flora Hill Carnations, $4.00 a 100. Marillo Carnations, $4.00 a 100. Verbenas, by the car load later on.
THAT CASH PLEASE.
C. HUMFELD, Clay Center, Kansas.
Mention the Florists' Exchange when writing.

Deciduous Trees
Medium and large sizes, including OAKS, MAPLES, ORIENTAL PLANE, BEECH, BIRCH, GINKO, ELMS, ASH, LINDENS, MAGNOLIAS, POPLARS and WILLOWS.
We have an immense stock of the above and are prepared to name liberal rates in quantity. Personal inspection invited. Correspondence solicited.
NURSERIES: {30 miles from Phila. 60 miles from New York.
THE WM. H. MOON CO., Morrisville, Pa.
Philadelphia Office: 702 Stephen Girard Bldg.
Mention the Florists' Exchange when writing.

100,000 GERANIUMS—ROOTED CUTTINGS.
SEND FOR LIST AND PRICES.

	Per 100
Asparagus Plumosus, 2¼ in.	$5 00
" Sprengeri, 2 in.	3 00
" " 2¼ in.	4 00
Baby Primrose, 2¼ in.	4 00
Begonia Rex, rooted cuttings	2 00
Lemon Verbena, Extra 2 and 2¼ in. at $3.00 and $4.00 per 100.	
Forget-me-not, (winter), rooted c'gs.	$2 00
" " (winter), 2 in.	3 00
" " " 4 in.	6 00
Violets, Farquhar, 2¼ in., free of disease.	2 50
Vinca, 2¼ in...$3 00 3 in.	5 00
" 4 in.....10 00 5 in.	15 00
" rooted cuttings, $10.00 per 1000..	1 25

Send for Descriptive Circular and prices for the best Florists' Hose Nozzle.
TERMS CASH or C. O. D.
GREENE & UNDERHILL, Watertown, N. Y.
Mention the Florists' Exchange when writing.

50,000 BOSTON FERNS

I Make a Specialty of

N. EXALTATA BOSTONIENSIS

Small plants, $4.00 per 100 or $35.00 per 1000; large plants, $6.00 to $50.00 per 100; taken from the bench.

FERNS In 5 in. pots, $3.00 per doz.; 6 in. pots, $6.00 per doz.; 7 in. pots, $9.00 per doz.; 8 in. pots, $1.00 each;

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 6 in. pots, from $1.00 to $1.50 each; 7 in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 in. pots, $3.00 and $4.00 per doz.

Asparagus Plumosus, 2½ in. pots, $5.00 to $6.00 per 100; 3½ in. pots, $10.00 per 100.

Asparagus Sprengeri, 2½ in. pots, $5.00 to $6.00 per 100.

Araucaria Excelsa, 14 to 16 in. high, 4 to 5 tiers, 6 in. pots, $1.00 and $1.25 each; 20 to 24 in. high, 5 to 6 tiers, 6 in. pots, $1.50 each; larger size, $2.00 and $2.50 each.

Rubber Plants, 20 to 32 in. high, $5.00 to $9.00 per doz.

Chinese Primroses, 3½ inch pots, $6.00 per 100.

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. **Connected with Telephone.**

Mention the Florists' Exchange when writing.

A SNAP TO THE RIGHT MAN

One-Half or the Entire Stock of

Palms, Ferns and Decorative Plants

20,000 **Latania Borbonica,** in 3, 4, 5, 6, 7 and 8 in. pots, in good shape; good stock of other sorts. Will be sold at a big sacrifice. I cannot care for them. Write or call soon. It will pay if you mean business. Good discount on smaller lots.

W. J. HESSER, Proprietor Palm Gardens **Plattsmouth, Neb.**

Mention the Florists' Exchange when writing.

A Few Good Things You Want

KENTIA BELMOREANA and **FORSTERIANA,** 2½ in., 10c.; 3 in., 18c.; 4 in., 35c.; 5 in., 50c. each.

ARECA LUTESCENS, 3 in., 3 plants to pot, 18c.; 4 in., 25c. each. All cool grown, nice clean stock, and cannot be duplicated anywhere for the money.

BOSTON FERN, 3 in., $8.00; 4 in., $15.00; 5 in., $30.00 per 100.

SWORD FERN, Nephrolepis Cordata Compacta, 2½ in., $3.00 per 100.

SMILAX, 2 in., $2.00 per 100.

ROSE BRIDESMAID, 3 in., $5.00 per 100.

REX BEGONIA, finest varieties, 2½ in., $4.00; 3 in., $6.00 per 100.

GERANIUMS, double and single, Grant, Mme. Bruant, Mrs E. G. Hill, Poitevine, Bonnat and S. A. Nutt, 3 in., $5.00 per 100.

CAMPBELL VIOLET and **VINCA VAR.,** 2½ in., $3.00 per 100.

PRIMULA CHINENSIS, 2 inch, $3.00; 3 inch, $4.00 per 100.

CYCLAMEN GIGANTEUM, 2½ inch, $4.00; 3 inch, $8.00 per 100.

ASPARAGUS Sprengeri and Plumosus, 2 in., $5.00; 3 in., $8.00 per 100 Cash with order.

Will exchange any of above for good field-grown plants of Flora Hill Carnation.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

CALADIUMS

Fancy leaved, 40 named sorts.

Dry bulbs, 1½ to 2½ in., at $10.00 per 100; $90.00 per 1000
" " 1 to 1½ " 8.00 " 70.00 "

ORANGES

Best sorts, grafted on Citrus Trifoliata.

Beautiful plants, bushy, 15-18 in., $30.00 per 100

PHOENIX CANARIENSIS AND TENUIS

Very Stocky.

3-4	characterized leaves,	15-18 in.,	$15.00	per 100
4-5	" "	20-24 "	25.00	"
5-6	" "	24-30 "	40.00	"

PHOENIX RECLINATA Very Stocky,

3-4 characterized leaves, 15-18 in., $25 00 per 100.

LATANIA 4-5 characterized leaves, 18-20 in., $25.00 per 100

BIOTA AUREA NANA Best dwarf Biota, 12-15 in., $12.00 per 100

Not less than 50 at above rates.
Send for Price List.

P. J. BERCKMANS CO., Augusta, Ga.

Mention the Florists' Exchange when writing.

BEING ABOUT TO RETIRE

From the growing of Plants, I shall dispose of my whole stock of everything in the Plant line, which consists of the following:

100 or more Farleyense Ferns, in 4 in. pots, fine plants. 100 Selaginella Emmeliana, 3 in. 500 Clematis Paniculata, 3 in. pots. 50 Clematis Coccinea and Crispa, 3 in. Delphinium Formosum and Chinense, 2 years, strong, 4 in. pots. 50 Cypripedium Insigne, 5 in. 75 Asparagus Plumosus, 5 in. 25 Asparagus P. Nanus, 5 in., large. 50 Amaryllis Johnsoni and others, seedlings, fine plants, blooming. Ardisia Crenulata, 125 in 4 in., many have fruit and all branching, 6 years old, fine and clean. 300 Camellia Japonica of the choicest varieties grown, in sizes from 1½ to 6 feet, bushy plants, having been cut down over two years ago, and are now with bushy heads and mostly in bud; about fifty are Alba Plena.

300 Pæonies in pots, 5 in., potted two years, most bloomed last spring and will all bloom next spring; strong plants in 10 to 12 of the choicest varieties, with their colors all labeled true. Also about 200 or more of stools that are in the ground of the same varieties. 500 to 600 Roses, in the ground and in pots, of many good varieties for out-door culture. 50 Cape Jessamines, in 4 in. pots, 3 years old.

About 1 doz. large plants Yucca Aloifolia, 50 5 inch. 30 Imantophiliuma in sorts, 50 large plants Lemon Verbena, 5 in. 30 Bostoniensis Ferns, large and small. 125 or more Ficus Elastica, in 4, 5, 6 and 7 in., fine plants. 1 large plant of Cycas Circinalis, 25 years old. 1 large Pandanus Veitchii, 10 feet, full of suckers. 1 large Crinum Amabile, ready to bloom 25 Cocos Plumosa, 6 to 10 feet, fine decorative plants. 3 large plants Cycas Revoluta, and a lot of large and small Palms of sorts.

Together with a large lot of miscellaneous plants, such as small Agaves and other plants, too numerous to mention.

All will be offered for private sale for two weeks; then all remaining will be offered at public sale, of which due notice will be given.

JAMES PENTLAND,

1510 Greenmount Ave., BALTIMORE, MD.

Mention the Florists' Exchange when writing.

Adiantum Farleyense

Nicely Furnished Specimens.

5 inch pots	$12.00	per doz.
4 " "	6.00	"
3 " "	3.00	"
2½ " "	15.00	per 100.

PANDANUS VEITCHII

7 inch pots, beautifully shaped, variegated, $2.00 each.

PANDANUS VEITCHII

4 inch pots, $50.00 per 100.
Large specimens, $3.00 to $5.00 each.

QUALITY THE BEST.

J. A. PETERSON,

405 Race Street, CINCINNATI, OHIO.

Mention the Florists' Exchange when writing.

	Per 100
Ferns, in variety, 2½ in. pots	$3.00
Cryptomeria Japonica (Japan Cedar), 2½ in pots	5.00
Cyperus Alternifollus (Umbrella Plant), 2 in. pots	2 00
" " 3 in. "	3.00
" " 4 in. "	5.00
Grevillea Robusta (Silk Oak), 4 in pots	7.00

LOW EXPRESS RATES.

J. S. BLOOM, Riegelsville, Pa.

Mention the Florists' Exchange when writing.

AT A BARGAIN.

500 Bridesmaid Roses, 3-in., goods tock, a $4.00 per 100; the 500 for $18.00 cash.

Palms, Kentia, Belmoreana, 2-in., per 100 $7.00; 3-in., per 100, $20.00.

Latania Borbonica, 3-in., per 100, $15.00.

Dracæna Sanderiana, 2-in., per doz., $1.50.

Selaginella Emmeliana, 2-in., per 100, $3.00.

Asparagus Sprengeri, fine, 2-in., per 100, $4.00.

Grevillea Robusta, 3-in., per 100, $5.00.

Rex Begonias, 3 in., in 10 good varieties, per 100, $7.00.

SMILAX,

Good Stock, from Pots, at $1.25 per 100; $10 per 1000.
Satisfaction Guaranteed. Cash with Order.

GEO. L. MILLER, Newark, Ohio.

Mention the Florists' Exchange when writing.

Heacock's Premium ARECAS

I have grown on some specimen Arecas, plants that last year showed exceptional vigor. These are now in 14 inch pots, stand 8 to 9 feet high, and very bushy; each plant is perfect from all sides and great value for the price, **$25** to **$30** each. I also offer the following list of assorted Palms, all in perfect form and entirely free from insects or blemishes of any kind.

ARECA LUTESCENS.

3 plants, 6 in. pot, 24 to 28 in., $12.00 per doz.; $100.00 per 100.
3 plants, 8 in. pot, 36 in., $3.00 each; $36.00 per doz.
14 in., 8 to 9 ft., very bushy, $25.00 to $30.00.

COCOS WEDDELIANA.

1 plant, 2¼ in. pot, 8 to 10 in. high, $15.00 per 100.
1 plant, 3 in. pot, 10 to 12 in. high, $20.00 per 100.
1 plant, 4 in. pot, 18 in. high, 50 cts. each.
3 plants, 5 in. pot, 18 in. high, $1.00 each.

KENTIA BELMOREANA.

4 in. pot, 5 to 6 leaves, 15 in. high, $4.50 per doz.; $35.00 per 100.
6 in. pot, 6 leaves, 24 in. high, $15.00 per doz.; $125.00 per 100.
8 in. pot, 6 to 7 leaves, 30 to 32 in. high, $3.00 each.

KENTIA FORSTERIANA.

4 in. pot, 4 to 5 leaves, 15 in. high, $4.50 per doz.; $35.00 per 100.
8 in. pot, 6 leaves, 36 to 40 in. high, $3.00 each; $36.00 per doz.
8 in. pot, 6 leaves, 48 to 50 in high, $4.00 each; $48.00 per doz.
6 in. pot, 5 leaves, 24 to 28 in. high, $1.00 each; $12.00 per doz.
6 in. pot, 5 to 6 leaves, 30 in. high, $1.25 each; $15.00 per doz.

All Measurement from Top of Pot.

JOSEPH HEACOCK, - Wyncote, Pa.

Mention the Florists' Exchange when writing.

THE BUYERS' PAPER.

The paper that pays advertisers best is the one read by the most buyers. The Buyers' Paper among the horticultural trades is The Florists' Exchange.

BOSTON FERNS

Now ready. $5.00 per 100.

H. L. CAMERON, No Cambridge, Mass.

Mention the Florists' Exchange when writing.

BARGAIN OFFER TO CLEAN UP!

BOSTON FERN 2½ inch, $2.50 per 100. 3 inch, $5.00 per 100.

ACALYPHA SANDERI 2½ inch strong plants, $3.00 per 100; $25.00 per 1000.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing

Asparagus Plumosus Nanus,

EXTRA STRONG, from 3 in. pots; about ready for a 4-in. shift.

$1.00 per doz.; $8.00 per 100; $70.00 per 1000.

Orders amounting to $5.00 and over, f. o. b. New York City; these, from unknown correspondents, will be sent C. O. D.

SEAWANHAKA GREENHOUSES, W. L. SWAN, Proprietor, Lock Box 227, OYSTER BAY, NASSAU CO., N. Y.

FOR SALE or EXCHANGE

250 Smilax, in 2½ inch pots; **300 Wichuraiana** or **Memorial Rose,** 3 and 4 inch;

300 Boston Ferns, in 3, 4 and 5 inch. All strong, well-grown stock and will be sold cheap for cash, or **will exchange** for **Areca Lutescens** or **Kentias** in medium sizes, or **Araucaria Excelsa, Pandanus Utilis** or **Veitchii.** Send in your offers.

MILLS & WACHTER, Jacksonville, Florida.

Mention the Florists' Exchange when writing.

CHEAP—TO CLOSE OUT.



BOSTON FERN.

BOSTON FERNS The true variety, from 2½ inch pots, $3.00 per 100; $25 per 1000. Don't be afraid our stock of Boston Ferns will run out. We have sold 75,000 the past six weeks, but still have 125,00 fine plants on hand. Better buy now, as the price is sure to advance.

Asparagus Sprengeri, from 2½ inch pots, at $2.50 per 100; $20.00 per 1000.

Acalypha Sanderi, from 2½ inch pots, fine plants, $3.00 per 100; $25 00 per 1000.
" " from 3 inch pots, strong plants, $5 00 per 100.

Crotons, twelve best bedding varieties, from 2½ inch pots, elegant plants, at $3.00 per 100; $25.00 per 1000. These will be fine to shift on for next year's bedding.

Ponderosa Lemon, largest lemon grown; bears fruit weighing two pounds or over, and fruits when quite small. It is bound to become a popular plant. Fine plants, from 2½ inch pots, $1.00 per doz.; $7.00 per 100. Extra strong plants ready to bloom at once, $1.50 per doz.

Calla Lilies, 1¼ to 1½ inch diameter, 75c. per doz.; $5.00 per 100.
" " 1½ to 1¾ inch diameter, $1.25 per doz., $7.00 per 100.

The Two New Ruscelias, Lemoinei Multiflora and Lemoinei Elegantissima. 50c. per doz.; $3.00 per 100.

Bougainvillea Sanderiana, from 2½ inch pots, $6.00 per 100.

Weeping Lantanas, 2½ inch pots, $2.00 per 100; $18.00 per 1000.

Otaheite Orange, from 2½ inch pots, $3.00 per 100; $25.00 per 1000. from 3 inch pots, $4.50 per 100; $40.00 per 1000.

Ficus Elastica, perfect specimen of this fine Rubber plant, 15 to 18 in. high, $3.25 per doz.; $25 per 100.

Araucaria Excelsa, Norfolk Island Pine, fine plants with four tiers of leaves, $1 each; $10 per doz.

Marechal Niel Roses, 15 inches and over in height, healthy plants, $4.00 per 100; $35.00 per 1000

Roses, all the leading varieties of Teas, from 4 inch pots, fine plants, in perfect health, $8.00 per 100.

Roses, all the leading varieties of Hybrid Teas, from 4 inch pots, elegant stock, $10.00 per 100.

Send your list of roses for quotation. We have two million plants in stock. Our Fall Trade List of all kinds of ROSES, PLANTS and BULBS, now ready. Write for it.

THE GOOD & REESE CO., The Largest Rose Growers in the World. **Springfield, Ohio.**

Mention the Florists' Exchange when writing.

Wide-Awake Florists Are Ordering Their Christmas Plants while the Warm Weather Lasts,

Thereby taking advantage of low freight rates and the following very reasonable quotations for well-grown, strong, healthy Palms, Ferns and Decorative Plants.



NEPHROLEPIS WITTBOLDII.

Strong plants from bench, ready for 3 inch pots, $1.00 each; $10.00 per Dozen.

Kentias.

Varieties.	Size Pot.	Height Ins	No. Leaves.	Each.	Per Doz.	Per 100
Belmoreana, 2½		8 to 0	3 to 4	$	$ 1.50	$12.00
Belmoreana, 3		10 to 12	4 to 5		2.00	15.00
Belmoreana, 3½		12 to 14	5 to 0	.25	3 00	20.0 0
Belmoreana, 4		14 to 16	5 to 7	.40	4 00	30.00
Belmoreana, 5		16 to 20	5 to 6	.75	7.2	60.00
" strong, 5		18 to 24	5 to 7	1.00	12.00	90 00
Belmoreana, 6		20 to 22	0 to 7	1.25	15.00	125.00
" strong, 6		28 to 28	6 to 7	1.5	16.00	18 .00
Belmoreana, 7		36 to 40	6 to 7	2.25	27.00	2 0 00
Belmoreana, 8		42 to 46	6	3.25	39 0 0	300.00
Forsteriana, 2½		8 to 9	3 to 4		1.50	12.00
Forsteriana, 3		10 to 12	4 to 5		2.00	15.00
Forsteriana, 3½		12 to 14	5 to 6	.25	3.00	21.00
Forsteriana, 4		14 to 16	5 to 7	.4	4.00	30.00
Forsteriana, 5		20 to 24	5 to 6	.76	7.20	60.00
" strong, 5		22 to 30	5 to 6	1.00	12.00	90.00
Forsteriana, 6		28 to 30	5 to 6	1.25	15.00	125.00
" strong, 6		30 to 34	6 to 7	1.50	18.00	180.00
Forsteriana, 8		44 to 50	6	3.25	39.00	300.00

Latanias.

Borbonica,	2¼	3		.60	5.00
Borbonica,	3	12	5 to 6	1.00	8.00
Borbonica,	3½	12 to 15	5 to 6	.15	1.50	12.00
Borbonica,	4	15 to 18	5 to 7	.25	3.00	20.00
Borbonica,	5	18 to 22	0 to 7	.50	5.00	35.00
Borbonica,	6	20 to 24	6 to 8	.60	8 00	50.00
Borbonica,	6	24 to 30	6 to 8	.75	9 00	

Variety.	Size Pot.	Height, Plants Ins.	in pot.		Per Doz.	Per 100
Areca Lutescens,	2¼	5 to 6	3		$1.00	$8.00
Areca Lutescens,	3½	12 to 14	3	Ea.	2.00	15.00
Areca Lutescens,	4	16 to 18	3	$0.25	3.00	25.00

Asparagus.

Varieties.	Size pot.	Per Doz.	Per 100
Asparagus Plumosus Nanus...	2 in.	$0.50	$4 00
Asparagus Plumosus Nanus...	3 in.	1.00	8 00
Asparagus Plumosus Nanus...	4 in.	1.50	12.00
Asparagus Sprengeri.....	2 in.	.50	4.00
Asparagus Sprengeri.....	4 in.	1.50	12.00
Asparagus Sprengeri.....	5 in.	2.0	15.00
Asparagus Sprengeri.....	6 in.	5.00	
Asparagus Sprengeri.....	8 in.	10.00	
Asparagus Tenuissimus.....	3 in.	1.00	8.00

The several sizes of Asparagus Sprengeri are especially strong and large value.

Ferns.

Varieties.	Size pot.	Per Doz.	Per 100
Adiantum Cuneatum	5 in.	$2.00	$15.00
Pteris Serrulata	2 in.	.50	4.00
Pteris Tremula	2 in.	.50	4 00
Pteris Umbrosa	2 in.	.50	4 00
Cyrtomium Falcatum.....	3 in.	1.00	8.00
Cyrtomium Falcatum.....	4 in.	1 50	10.00
Nephrolepis Exaltata	5 in.	2 00	15.00
Nephrolepis Exaltata	6 in.	3.00	20.00
Nephrolepis Bostoniensis.....	4 in.	2.00	
Nephrolepis Bostoniensis.....	5 in.	3.00	
Nephrolepis Bostoniensis.....	6 in.	5 00	
Nephrolepis Cordata Compacta, fine plants.....	8 in.	4.00	30.00
Nephrolepis Cordata Compacta, fine plants.....	5 in.	2.00	15.00

Miscellaneous.

	Each.
Araucaria Excelsa, 3 inch, nice plants.....	$0.50
Araucaria Excelsa, 3½ inch, nice plants.....	.75
Araucaria Excelsa, 5 inch, nice plants.....	1.00
Araucaria Excelsa, 5 inch, nice plants.....	1.25
Corypha Gebanga, 3 in., 5 to 6 leaves, $3 per doz.	
Curculigo Recurvata, 4 inch .....$2.00 per doz.	
Curculigo Recurvata, 5 inch .....$4.00 per doz.	
Cycas Revoluta .....25c. to 75c. each.	

	Pot	Height	Leaves	Each	Doz.	100
Ficus Elastica.....6		22-23	12-14	75c.	$7 20	$60.00
Ficus Elastica 7		24-28	14-16		10.00	75.00
Ficus Elastica.....8		28-34	16-18		12.00	100.00
Maranta Kerchoviana.....3½					2.00	
Pandanus Utilis ...2½		6- 8	10-12		1.00	8.00
Pandanus Utilis ...3		8-10	12-15		2.00	15.00
Pandanus Veitchii, extra fine.....6					18.00	
Phœnix Reclinata.3			4- 6		1.50	10.00
Phœnix Canariensis..... .3			4- 6		1.50	10.00
Cocos Weddeliana 3				25c.	2.00	15.00
Phœnix Reclinata, 10		40-45	6- 8	3.50		
Aspidistra Lurida, 5		15-20	8-12	50c.	6.00	

	Doz.
Sanseviera Java. Var., 2 in , strong plants....	$0.50
Sanseviera Java. Var., 3 in., strong plants....	1.25
Sanseviera Java. Var., 4 in., strong plants....	2.00
Zingiber Officinale (Ginger Plant), 4 in.....	2.00
Zingiber " " " 5 in.....	3 00

THE GEO. WITTBOLD CO., Palms and Ferns, 1657 Buckingham Place, Chicago, Ill.

Mention this paper.

PALMS, FERNS, DRACÆNAS, ETC.

PALMS—Kentia Belmoreana, from 7 in. pots, 6 to 7 leaves; fine specimens, 5 ft. high, $4 00 each; 3 ft., $2 50; 2 ft., $2.00 each. Latania Borbonica, 8 in. pots, 2 and 3 ft. size, $1.25 and $1.00 each. Seaforthia Elegans, 6 ft. high, from 7 in. pots, excellent for decorating, $1.00 each; from 6 in. pots, 4 ft. high, 60 cts. each. Areca Lutescens, from 5 in. pots, 3½ ft. high, 50c. each; 2 ft. size, 30 cts. each. Cocos Weddeliana, from 4 in. pots, 15 to 18 in high, 50 cts. each.

All palms 10 per cent. less by the doz. or half doz.

FERNS—Bostoniensis and Davallioides Furcana, fine, well established specimens, from 6 and 8 in. pots, $7.00 and $9 00 per doz Exaltata and Philippinensis, from 6 and 7 in. pots, $4.00 and $6 00 per doz.

NEPHROLEPIS Washingtoniensis—Ten for $1.00, free by mail, or 100 for $8.00, from bench. Specimen plants, 8 in. pots, $2.00; 14 in. pots, 6 ft. size, $10.00.

DRACÆNAS—Lindeni and Masangeana, from 5 in. pots, beautifully colored, $6.00 per doz. Fragrans, same size, $3.50 per doz. Terminalis and Fragrans, from 4½ in. pots, $2.50 per doz.

RUBBERS—Fine plants, from 6 in. pots, $4.00 per doz.

DIEFFENBACHIA—4½ in. pots, $3.00 per doz. **Maranta Zebrina**, 3 in. pots, 50 cts. per doz. **Anthurium Grande**, fine, 4 and 5 in. pots, $2 00 and $3.00 per doz **Pandanus Utilis**, 4½ in. pots, $3 00 per doz.; specimen plants, from 9 in. pots, $2 each. Well colored **Crotons**, from 5 in. pots, $3.00 per doz. **Begonias**, Rex. and blooming varieties, 5 in. pots, $1.00 per doz. **Jasmines**, in variety. **Gardenia, Oranges, Allamandas, Clerodendrons, Stephanotis, Hoyn Carnosa**, 4 and 5 in. pots, $1 00 and $1.5 per doz. **Umbrella Plants**, for 6 and 7 in. pots, $1 50 per doz; $8 00 per 100. Also bedding plants in variety.

Discounts—Ten per cent. worth of plants will be added to all cash orders of $10.00 and over.

N. STUDER, Anacostia, D.C.

Mention the Florists' Exchange when writing.

40,000 Kentias, Belmoreana and Forsteriana

Clean well grown stock in best market sizes—$35, $50, $75 and $100 per 100. See our wholesale list for sizes.

AZALEAS, Bushy Crowns well set with Buds.

10 to 12 inches in diameter.....$35 per 100 14 to 16 inches in diameter.....$50 per 100
12 to 14 inches in diameter..... 45 per 100 16 to 18 inches in diameter..... 12 per doz

ASPARAGUS PLUMOSUS NANUS.

Strong 2½ in. pots ready for shifting into 3 in...$5 per 100 Strong 3 in. pots....$8 per 100
Asparagus Sprengerii—2½ in..$5 per 100 *Asparagus Sprengerii*—3 in..$7 per 100

BOSTON FERNS.

Strong 2½ in. pot plants.....$40 per 1000 Strong 4 in. pot plants... .....$15 per 100
Strong 5 in. pot plants.....$4 per dozen

ROSES.

Strong two-year field grown. Excellent stock for forcing for Easter and Spring sales.
Crimson Ramblers—Extra strong, with canes 3 to 5 feet long.....$12 per 100 $100 per 1000.
Hybrid Perpetual—Large assortment of best forcing varieties.....$10 per 100 $90 per 1000.

Full assortment of French and Holland bulbs, Hardy Herbaceous Plants, Shrubs and Ornamental Trees.

THE STORRS & HARRISON CO., Painesville, Ohio.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR NOW AND FOR THE HOLIDAYS

DIRECT FROM THE IMPORTERS AND GROWERS' HOUSES,
WHICH ARE FILLED TO THEIR FULLEST EXTENT.

The steamer Netherlands, of the Red Star Line, which arrived at Philadelph a Oct. 13th, had on board 82 cases of plants for me. Another steamer, due here the 28th of this month, has 12 more cases, and s ill more are coming.

I can sell as cheap and cheaper than any other florist in America. **Order now**, as I must have room for Easter plants.

ARAUCARIAS

We are headquarters for Araucarias. I have a large house full of them, purchased by my own selection on my trip to Belgium last september, and can offer you special prices.

6 in. pots, 3 tiers, 10 to 13 in. high, 50cts. each.
5½ in. p ts, 3 to 4 tiers, 12 inches and above, 6 cts. each.
6½ and 8 in. pots, 3 to 4 tiers, strong plants, 12 in. and above, 75 cts. each.
16 inches high and above, $1.00 each.
Specimen 6 in. p ts, 4 to 5 tiers, 22 to 24 in. high, $1.25 each.
Araucaria Glauca, 8 in. pots, very fine, 18 to 25 in. across, $1 25 each.

AZALEAS Indica, large stock of them of my own selection, 10 to 12 inches, 35 cts. each.
Larger sizes, 40cts. and 60cts. each.
Specimen plants. Mme. Van der Cruyssen, $1.75 and $2 00 each.
Leading American varieties, such as Mme. Van der Cruyssen, Bernhard's Andrea Alba, Deutsche Perle, Empress of India, Prof. Walter, Simon Mardner, Vervæneana and others.

CORYPHA AUSTRALIS Hardiest palm of all. Have 500 of them in 6 in. pots, 12 to 18 in. high, 45cts. each.

Kentia Belmoreana, 5 in. pots, 18 in. high, bushy, 65 cts each.

Kentia Forsteriana, 5 in. pots, 36 in. high, 75 cts. each.

Dracæna Lalmicra, 6½ in. pots, 21 in. high, most fav red house dracæna, 50 cts. each.

Dracæna Indivisa, specimen plants, imported, 7 in. pots, 30 to 36 in. high, 40 cts. each.

FICUS ELASTICA (Rubber plants).
Have 1500, imported last Spring:
6½ in. pots, 12 in. high, 10 to 12 leaves, $3.50 per doz. 6½ to 8 in. pots, $4 00 per doz.
Specimen plants, 6 in. pots, $5 00 per doz.
Small plants, 4 in. pots, 20cts. to 35 cts. each.

BEGONIAS SEMPERFLORENS GIGANTEUM.
Best blooming Winter Begonia, 6 in. pots, 25 cts. to 35 cts. each.
President Carnot, 5 in. pots, 25 cts. each.
Other Winter-blooming Begonias, leading varieties. 4 in. pots, 7 cts. each.

Chrysanthemums, without pots. L. Canning, white, 6 in. pots, 5 to 8 branches, disbudd, $1.50 per doz.
Other good varieties, bushy plants, 5 to 6 in pots, $1.20 per doz.; 4 in. pots, 75 cts. per doz.
(If pots are wanted add 2 cts. each.)

Chinese Primroses, bushy plants, 4 in. pots, that will bloom at Xmas, at the rate of $6.00 per 100.

Heliotrope, fine plants for Xmas blooming, without the pots. $5.00 per 100.

Large Honeysuckles, grown in 6 in. pots, 20 cts each.

Hardy Ivies, strong plants, 3 in. pots, 7 cts. each.

500 Wallflowers, 2 in. pots, strong, $1 50 per 100.

Geraniums, 2½ in. pots leading varieties, $2 50 per 100.

Callas, 6 in. pots, strong plants, 20 cts each.

Cash with order, please. M ney can be sent safely by Express or Post Office money order, registered letter, draft on Philadelphia banks, etc. Goods must travel at purchaser's risk.

GODFREY ASCHMANN, 1012 ONTARIO STREET, RISING SUN, Philadelphia, Pa.

IMPORTER AND GROWER OF POT PLANTS.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00.
Payable in advance. The date on the address label indicates when subscription expires.

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Copy must reach this office not later than Thursday in order to secure insertion in issue of the following Saturday.
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Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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Errata.

In advertisement of Peter Henderson & Co., on page 990, last issue, read price of Lilium Harrisii, $60.00 per 1000, not $6.00 as printed.

In advertisement of Albert M. Herr, page 1005, read name of Ageratum Stella Gurney, not Curney.

The fern picking business has commenced once more in Berkshire and the dealers in Hinsdale and Dalton, Mass., now have all they can do to fill orders. Recently Thomas Collins, of Hinsdale, sent an order of 100,000 ferns to a Chicago firm, and George J. Reuter, of Dalton, has a similar order to be filled at once.

GALVESTON RELIEF FUND.

"Open Thine Hand wide unto thy Brother, and to thy needy, in thy Land."

The publishers of the FLORISTS' EXCHANGE have, for the convenience of our readers, decided to receive subscriptions at this office for the Galveston relief fund, which will be at once acknowledged in these columns, and the amount contributed forwarded to the proper authorities as the donations of our trade on behalf of their suffering brethren in the storm-swept sections. Checks and money orders for the Galveston relief fund should be made out in favor of the A. T. DeLa Mare Printing and Publishing Co., Ltd., crossed "in aid of Galveston sufferers."

Publishers Florists' Exchange:

We see that we are still further indebted to you for your great kindness shown us. The Chicago Florists' Club has also been doing some noble work for us, according to the EXCHANGE of October 13. The St. Louis florists have, too, made some nice collections, as Mr. H. G. Berning informs us. Will you kindly publish a donation by Denys Zirgiebel, of Needham, Mass., of two ounces of his Giant Market pansy seeds. We received a check to the amount of $50, and a further donation of 10,000 rose plants, and also 10,000 diverse plants from the Good & Reese Co., of Springfield, Ohio, as published in your last issue.

The Chicago and St. Louis florists are acting nobly, and if a like response could be awakened throughout the country our condition could be materially improved. We do not lack in confidence and patience, and know that if everyone could picture to himself our present state, the response to our calls for assistance would be quickly heeded. Your appeal in last week's issue of the EXCHANGE pictures our true condition, and, made with such earnestness, is bound to bring about the desired results. Your recommendation affecting shipment of seeds by Mr. Beaulieu is timely, and these will be equally distributed on arrival. This week we shall write every donor a special letter of thanks.

Pretty nearly every one of the florists is working outside of his line at present to meet the pressing needs of his family.

The loss of L. Margot, at $200, and of H. A. Condron, of $400, were accepted at the last meeting, and ordered added to the schedule of losses. Kindly ask donors of money to send same direct to Hutchings, Sealy & Co., bankers, of Galveston, Tex., and to have the amount credited to the Galveston Florists' Fund. This will save our Honorable Mayor, W. C. Jones, a great deal of trouble.

You might also ask contributors of stock to kindly get the express companies to forward such goods free of charge, as money is a scarce article just at present with us.

We ourselves think that, as you state, the contributions have not been so spontaneous as might be expected, for the reason that a good many believe the vast amount of money which has gone forward will be sufficient to rebuild every destroyed home, and start everyone in business again. You are quite correct in assuming the contrary. The property destroyed represented a value estimated at forty million dollars. The contributions to the general relief fund amount to not quite one million dollars. Our city was not, by any means, on a cash basis at the time of the disaster, and armies of workmen have been employed since to remove the debris, etc., and those people will have to be paid first and above all. The pay roll last week amounted to $17,000, according to the Galveston News, and not nearly as many men are employed now as were in the beginning. All of the above money will have to come out of the relief fund. Our secretary went to see Mr. John Sealy, chairman of the General Relief Fund, and secured the following official data:

For rebuilding homes, set aside $100,000.

For repairing, $50,000.

For temporary shelter (tents, which were largely donated), $10,000.

For implements, $10,000.

Now, how far $150,000 will go when applied to a forty-million-dollar loss is easily figured out. It gives each man who lost $1,000 $3.75 relief.

We have, as told in previous issues of the EXCHANGE, not included our homes, etc., but will apply the above relief to our schedule of losses, and there is many a one who will have to content himself with a $5 home.

Please publish the above, as my information comes from headquarters, and it will give some people, who think that the city and its inhabitants are just swamped with money, a more correct idea of the true state of things down here.

If we could be sure of a similar response to that which comes from Chicago and St. Louis, and get all florists to interest themselves in our cause, in every city where there is a florists' club, our houses would soon go up, and our condition soon be changed.

Again thanking you for the kind attention which you have given our affairs, we are THE GALVESTON FLORISTS,
Per. F. G. LAEVERENZ, Secretary.

Publishers Florists' Exchange:

Enclosed find check for $50 for the Galveston Relief Fund, donated by the Morris County Gardeners and Florists' Society. Kindly forward same to proper destination. I will make a canvass of the members and will send the further amount collected as soon as possible.

WM. CHARLTON, Treasurer,
Morris County Gardeners and Florists' Society.
Madison, N. J., Oct, 20.

Henry W. Gibbons, New York, writes to C. H. Atkins, secretary of the Morris County Gardeners and Florists' Society, Madison, N. J., as follows:

"In the matter of the Galveston florists, if it be practical for me to assist them with plans or other structural or heating information, on behalf of the M. Co. G. & F. S., I will be happy to give my best services without cost."

Editor Florists' Exchange.

We will contribute a few hundred of our Cryptomeria japonica to the Galveston florists. Kindly advise us when to ship. We will be pleased to send a liberal supply to be distributed among those who are resuming business.

E. I. RAWLINGS.
Quakertown, Pa.

[We presume that Secretary Laeverenz will advise all those who have kindly offered to donate stock, when the local florists will be in a position to receive the plants.—ED.]

The New Orleans Horticultural Society has appointed a committee to solicit and receive plants, seeds, etc., for the Galveston sufferers. The members composing the committee are: Messrs. E. Valdejo, J. H. Menard and P. A. Chopin, with the secretary, Dan Newsham, who will gratefully receive any donations of seeds, plants, etc.

Contributions Received.

Peter Henderson & Co., New York City,	$100.00
C. W. Ward, Queens, N. Y.	50.00
Pittsburg and Allegheny Florists and Gardeners' Club, Pittsburg	50.00
Morris County Gardeners and Florists' Society, Madison N. J.	50.00
The Florists' Exchange	25.00
Charles Black, Hightstown, N. J.	25.00
Chas. T. Siebert, Pittsburg, Pa.	10 00
John G. Esler, Saddle River, N. J.	5 00
C. Eisele, Philadelphia, Pa.	5 00
G. M. & F. W. Wessels, Aiken, S. C.	5 00
Thomas Barson, Johnstown, N. Y.	3.00
John Birnie, West Hoboken, N. J.	2.00
Beaulieu, Woodhaven, N. Y.	2.00
F. I. Drake, Pittsfield, Mass.	2.00
H. B. Hot Springs, Va.	1.00

Contributions Direct.

The Good & Reese Co., Springfield, O.	$50.00

Commercial Home Grounds Competition.

Entries in Classes A and B in our Home Grounds Competition close October 31. We hope that many of our readers will take advantage of the opportunity afforded for securing high-class advice, through participation in this contest, particulars of which will be found on page 500, issue of May 12 last.

We beg to acknowledge receipt from Dr. Trelease, Director of the Missouri Botanical Garden, of an invitation to the eleventh annual banquet to gardeners and florists, provided for in the will of Henry Shaw, Esq. The banquet will be given in the Mercantile Club, St. Louis, Mo., November 3, 1900.

Custom House Difficulties.

I made a small shipment of fern balls and Nerine japonica bulbs to show my American agents what I could ship them during the proper season. The shipment was sent per Doric, which left Kobe, Japan, on May 30, 1900, and although I invoiced the goods at more than they cost me, the collector of the Port of New York has raised the value, and requires $119 (gold) to be paid, or a suit will be commenced. The amount was too small to spend $2.50 on for a consular certificate, but on receiving the above advice I at once obtained a sworn statement (before the United States' consulate) from the seller, and sent this to New York. My agents inform me Custom House brokers talk of desiring the Collector to condemn the goods, rather than pay $119. But why should I lose? I am willing to ship similar goods at same prices and commissions as in my reduced invoice, which only amounts to $35. I will ship five, ten, or one hundred times as much at the same rate. Now, by what right are these goods held dutiable at such an enormous advance?

Japan. TRADER.

We have made inquiry at the Custom House here, and the authorities inform us that the consignment of fern balls and Nerine japonica bulbs, mentioned in your letter, were undervalued as invoiced, hence the increased duty, etc., placed upon them.

For your information we may state that wherever goods are entered below the wholesale price of the merchandise prevailing at the time of exportation to the United States, in the principal markets of the country from which goods have been imported, these goods are appraised, and the Act of Congress says: "There shall be levied, collected, and paid in addition to the duties imposed by law on such merchandise, an additional duty of one per centum of the total appraised value thereof, for each one per centum that such appraised value exceeds the value declared in the entry." In default of payment of duties and penalty, the goods are confiscated by the Government.

It appears that the Custom House authorities took evidence on the consignment in question, and the decision of the Collector was upheld by the Board of General Appraisers.

The object of the Government, as explained to us, is to guard against any undue advantage being taken by parties in a position to do so, of the opportunity to purchase goods at less than the prevailing market price, and to ship them to this country, also under their regular market value, on account of said facilities, thereby cutting under the market price consequent upon similar goods having come forward through regular trade mediums; that is to say, that whatever our importers here find to be the prevailing market price in your country at date of exportation, the goods are valued by the Government accordingly.

To obviate a recurrence, we would advise that you obtain information as to the market price ruling at date of shipment and enter your goods at that figure.

American Carnation Society.

NEW CARNATIONS REGISTERED.

MANGUS, color, pure white, flowers two and one-half to three inches in diameter, borne on stiff, wiry stems, eighteen inches to two feet in length. An excellent keeper. Growth strong and vigorous, and an early and very free bloomer.—Registered by E. G. Lake, Wellesley Hills, Mass.

ALBERT M. HERR, Secretary.

Society of American Florists and Ornamental Horticulturists.

DEPARTMENT OF PLANT REGISTRATION.

Peter Henderson & Co., New York City, register new EVERBLOOMING HARDY ROSE, PAN-AMERICAN, a cross between American Beauty and Mme. Caroline Testout. Color under glass in Winter, soft red, a little lighter than American Beauty. In open ground in Summer, deep, satiny, rosy pink. Flower, full double; guard petals cupped; fragrance strong.

WM. J. STEWART, Secretary.

The London Flower "Gal."

The following interesting description of the London flower girl and her methods, is given in a recent issue of the New York Press, being part of an article on Covent Garden Market:

"For the rental of their stalls the tradesmen inside the hall pay from sixpence to two shillings a morning; outside the coster florist, with his humble donkey, sets up his stand, at a rental of 12 cents a day. From his more prosperous neighbors within he buys their second-day flowers, and it is from him that the London flower girl lays in her stock in trade, to be sorted into nosegays, impaled on a sharpened stick and sold from her basket on the street corner.

"She is one of the sights of London, this flower girl, and there is nothing like her in America. In dress she is not fastidious, nor yet in the arrangement of her hair. Her hat is of black straw, and she sports it low upon her forehead. Her ears boast startling pendants, and she wears as much of her hair as possible in two belligerent-looking wisps in front of her ears. Mostly she affects a grimy shawl. The chances are three to five that she weighs 175 pounds at least, and would be an ugly customer in a fight.

"Two specimens of her, who had laid in a part of their stock after protracted alterations and bickerings, interlarded with such phrases as 'My eye, wot a price!' and 'Aw, not two bob fer them things!' consented to pose for their portrait, but did so only after being solemnly assured that there would be no charge.

"Curiosity was expressed as to how the more prepossessing of the twain lived and did business, and she said: 'My place is in Little Queen Street, S'ven Di'ls, but my business perch is in the Straad, near the 'Otel Ceecil. I get here every mornin' about sev'n, and git my flow'rs, and I've been doing it now for six years. I'm one of the oldest gals in the business, not counting the old hags that's been in it since Gawd knows when. It costs me from 18 pence to two or three shillin's to fill up my barsket in the mornin' and I expect I double up on a good day. Rainy days is 'ell with us. Wot do I sell? I sells all the flowers in their sizons. Roses is just goin' out now. Roses sells first clars. Before them comes the pansies, and before them the vi'lets and daffodils.

"'The toffs don't know how we can sell the flowers so cheap,' she went on, with a suggestion of a wink, 'they only know that they kin git the flow'rs at just 'arf the price they pays at the shops—but you see it's the second-day flowers wot we buy, and after they've been sprinkled with water nobody cawn't tell 'em from the genuine article.'

"These flower girls are the feminine counterpart of the New York newsboy, keen as knife blades and soulless as cormorants when ha-pence and farthings are in question. Dirty in raiment and foul of tongue, they herd by themselves, and any man who takes a liberty with one of them would better wear armor. Most of them are poor and their 'barsket trade' is no great thing, but there are aristocrats among them. Three or four of them have pre-empted the edge of the fountain in Piccadilly Circus, and they and the other little coteries that 'work' the corner of St. Paul's churchyard, and the entrance to the Stock Exchange in the city do business on a larger scale, buying every morning over $10 worth of flowers, and selling them again to the 'toffs,' who are quite willing to pay a sixpence for a fetching bud."

FIRES.

LONG ISLAND CITY, N. Y.—Fire broke out Thursday morning, October 18, in the greenhouses of Mrs. Olm, on Lanthrop Street, between Pierce and Washington Avenues. The four greenhouses were totally destroyed. Mrs. Olm is the widow of Mathias Olm, who ran the place a number of years ago. It is difficult to give the loss at the present time or the insurance. Mrs. Olm has conducted the place since her husband's decease, and will doubtless rebuild and resume. The cause of the fire was a defective boiler.

New York.

The Market.

Business in cut flower circles was probably never in a more unsatisfactory state than at present. The weather has been unusually warm for the season of the year, and its effect upon the chrysanthemum crop is anything but pleasant to the dealers. The market has become glutted with these flowers. The color in the pink kinds is impaired, and there is not a demand for half the quantity coming in; consequently, they are offered at all kinds of prices in order to be disposed of. The surplus of chrysanthemums has a very depressing effect upon all other kinds of stock. Roses have taken a drop in price, as also have carnations. The latter may be said to have held their own for some time, but the present week, trade has been too dull even to move them, and they are offered at varying prices, the figure depending chiefly upon the quantity wanted.

Cattleyas are not nearly so plentiful as they were, and values have advanced somewhat; the $10 per 100 scale does not hold any longer.

Lily of the valley, when of special quality, will occasionally bring $4, but there is little of that grade seen; ordinary valley is to be had at from $2 to $3 per hundred.

Bride and Bridesmaid roses are almost as big a glut as chrysanthemums. Thousand lots, consisting of all grades, from extras down, have been freely offered at $5 per thousand, and many have been sold at that figure. Violets are bringing prices ranging from 35c. to 75c. per hundred. The street vendors have not yet begun to handle violets, consequently some carried over stock is always on hand, which, if disposed of at all, goes at a very low figure.

The extreme dullness prevailing in this market is a cause of much comment among dealers, and it is generally conceded that we shall see very little improvement until after the election.

Jottings.

The carnation is getting lots of free advertising through the daily press just now, anent its being adopted as an emblem of the Dry Goods Association of the Republican party. According to the reports in some papers fabulous sums of money are to be spent in securing flowers to be worn in some of the big parades occurring before election day. C. W. Ward, who is the prime mover in getting the carnation recognized in this manner, has the promise of about 30,000 flowers already, which are to be used in the parade on November 3.

The New York Florists' Sound Money Club is the name adopted by the florists who met and formed an organization to ensure the trade being represented in the big parade mentioned. The club met on Tuesday night at 1146 Broadway. W. F. Trumpore was elected chairman. A committee was appointed to secure a silk banner, with suitable inscription thereon, to be carried while marching. Another meeting of the club will be held to-night (Saturday), in the same rooms. About 125 members of the craft have signified their willingness to participate in the parade.

The Plan and Scope Committee of the Club met Monday evening last and elected Samuel Henshaw as chairman and John Young as secretary. President O'Mara again urged the necessity of an annual flower show in this city, and the committee will meet again, Monday evening, October 29, in the club rooms, for further and fuller consideration of the matter.

Owing to a lack of particulars regarding certain items the club was unable to dispose finally of Convention accounts, and the subject will come up again at a future meeting.

On Wednesday, at high noon, in St. Agnes' Church, 92nd Street and Columbus Avenue, occurred the marriage of Miss Violet S. Nash (daughter of John Nash) to Arthur Joel, of the firm of Tanner & Joel, dry goods merchants, of Broome Street. The bride carried a bouquet of Bride roses and lily of the valley. After the ceremony an elaborate luncheon was served at the Plaza Hotel. The newly married couple left for Philadelphia and Old Point Comfort, to spend their honeymoon.

On Pier 15, North River, were to be seen last week some of the largest bay trees that ever reached this port. The trees in question were upwards of twenty in number, and were imported by Bobbink & Atkins, Rutherford, N. J.

Visitors this week were A. N. Pierson, Cromwell, Conn.; Carl Jurgens and Son, Newport, R. I., and E. H. Giesy, of the Lockland Lumber Co., Lockland, Ohio.

OBITUARY.

A. J. Macarty.

Andrew J. Macarty, florist, Canton, Ill., died Sunday, October 21, never having rallied from a stroke of apoplexy sustained the day preceding. He was born in Bucks Co., Pennsylvania, December 23, 1833, coming to Canton in 1875.

Business Difficulties.

HYDE PARK, MASS.—Hiram J. Townsend is a bankruptcy petitioner. Liabilities $3,1620.74; assets, $983.

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Correspondence

Insertion will be given in this column to all communications free from animus, but the opinions expressed do not necessarily reflect our own.

The Gardener.

Editor Florists' Exchange:

A generation ago a gardener was a gardener. Now, the name is prostituted. See present day advertisement for help—"Wanted, a gardener; one who can drive and take care of horses and make himself generally useful about a gentleman's place."

An old school gardener would have considered himself above driving, or taking care of an old horse, even for Queen Victoria, as much so as any M. A. or M. D.

AN OLD SCOTCH GARDENER.

A Dwarf Boston Fern?

Editor Florists' Exchange.

We would like to ask you or your readers whether they have seen a dwarf Boston fern. We have had plants on the benches for over a year, and they have never grown over 18 inches in height—nice, compact plants, with leaves not so broad as those of the tall variety, but in other respects the same. We noticed this sport about two years ago, and have watched it closely. We have quite a number of plants, and they all retain the same characteristic of dwarfness. We potted one plant to-day that had 35 leaves and none of the leaves was over 18 inches. We would consider this a very handsome plant for table use, as the habit, hardiness and easiness to grow are the same as in the case of the tall variety.

BYER BROS.

Chambersburg, Pa.

Dahlia Helen Gould.

Editor Florists' Exchange.

I wish to refute the statement made in your issue of October 13 in regard to the new dahlia Helen Gould by the judges of the American Dahlia Society. It is stated they decided among themselves that it is one called "Uncertainty," and yet it is not "Uncertainty," but "the chances are that it would revert back to 'Uncertainty.'" Had the judges taken the trouble to communicate with me, or called on me and seen a patch of 500 plants in full bloom, there certainly would not have been so much uncertainty in their decision.

The new dahlia Helen Gould is a sport from a dahlia grown twenty years ago or more, under the name Maroon and White (I have them both growing side by side). I have been growing it for the past eight years, so I think if there was any uncertainty about its reverting to the parent it would have shown it ere this.

The color of Helen Gould will vary a little, but the majority of the flowers are of the color of the Daybreak carnation. Cut flowers of Helen Gould sold at three dozen for a $1, when for other fancy varieties I could get only 25c. for three dozen, which proves there was no uncertainty in regard to its selling qualities.

Queens, N. Y. O. B. COOMES, Jr.

BRIEFS FOR BUSY FLORISTS.

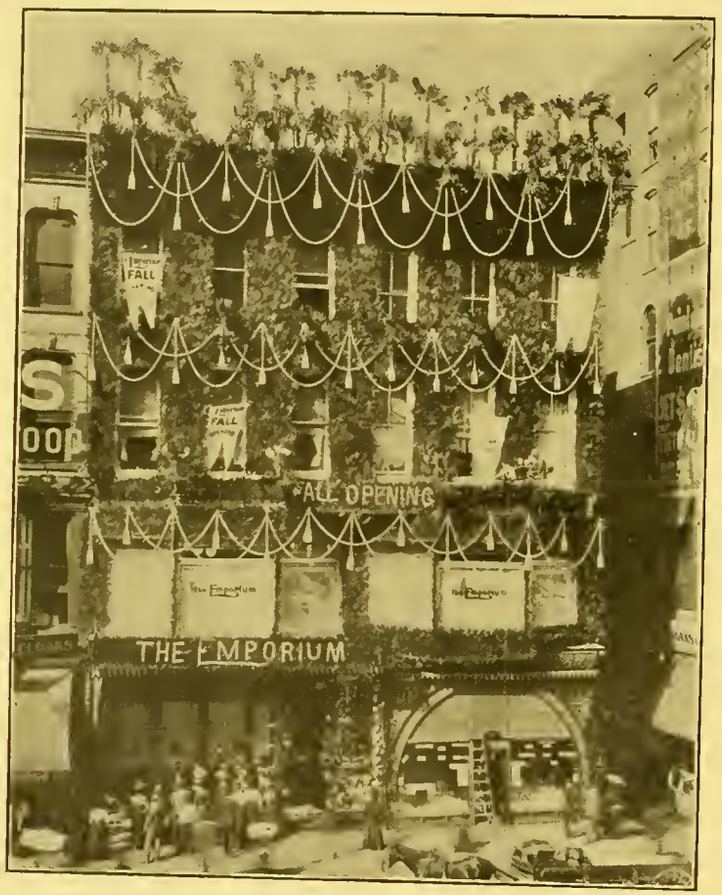
CARNATIONS.—There seem to be more plants dying out on the benches this year than is usual, and the cause of it is hard to discover. The spaces where the dead plants occur, however, must be filled in, and, where a surplus of plants has been potted up for the occasion, this work is easy. If no surplus plants are on hand, the next best thing to do is to lift plants from one end of the house and put them in the vacant places, then the bare space will be confined to one spot, and can be utilized for some other crop.

BEGONIA INCARNATA for Christmas blooming should be put into flowering-sized pots now. If manure is used in the potting material, it should be thoroughly rotted.

PRIMULAS will need to have the last shift given them. The Baby primrose, P. Forbesii, is best grown in pans; put the plants, two or three together, in a pan, and they make a very satisfactory flowering specimen.

PREPARING FOR THE HOLIDAYS.—What to have on hand for the Winter holidays should be decided upon now, if possible. Look over the stock at present on hand, compare it with the plants, etc., that were the best sellers last year, and if short on any kind that was a money-maker then, do not fail to replenish the supply of these. Boston ferns, ficus, and palms can all be bought quite reasonably just now, but prices might increase as the season advances.

HERBACEOUS CALCEOLARIAS for flowering next Spring, must be potted along as required for five or six weeks yet. For potting material use a free and open compost affording plenty of drainage in the bottom of the pot. Be very careful in watering, as the plants are now approaching the end of their season's growth, and an excess of water at this time will result in damping off entirely. Green fly must be kept away from the plants. This is best accomplished by filling the spaces between the pots with tobacco stems, changing the stems for fresh ones whenever necessary.



Fall Opening Decoration Executed by the Wittbold Co., Chicago.

Wittbold's Store Decorations.

At certain seasons of the year decorations for store openings are quite a feature in Chicago. Sometimes large palms, bay trees and such like suitable materials are used, at other times, the decoration is almost exclusively confined to wreathing, lettering, etc. Heretofore, the stiff, formal, white paper wreathing has been largely employed, and while it, perhaps, looked conspicuous, it could hardly be classed as very aesthetic. The Wittbold Co. this Fall, in this work, appear to confine themselves pretty closely to natural products, which, we think, are more appropriate for the purpose.

In the decoration of "The Emporium" shown in the picture, it will be noticed that the embellishment covered all but the window openings, palm leaves being extensively utilized. In another store decoration the work was confined to the two lower stories, and these were treated with much less formality, creating a Fall-like effect. Often "harvest home" material is used, where that thought is uppermost.

In addition to the outside decorations, the store interiors are liberally adorned with palms and decorative plants, asparagus, smilax and other natural greens. Sometimes natural flowers are given away as gifts to those who call.

All this tends to help the grower, as well as the wholesale man and the decorator himself. Ess.

A New Method of Steam Heating.

A method of steam heating, as ingenious as it is simple and practical, has been invented and inaugurated in Belgium. Two amateur gardeners, Messrs. De Meyere and Van der Stichelen, the one a civil engineer, the other an explorer and traveler, have been studying and experimenting for some time to reproduce artificially in our greenhouses those atmospheric and soil conditions which in the tropical countries create the wonderful growth of plants.

The same study has occupied all our practical gardeners for many years; but we know the cultivator is very reluctant to depart from old-established methods, and even slow to appreciate the advantages of new inventions. Still, no other trade needs improved mechanical help more than the gardeners or florists. Now that the work is specialized and large quantities of one and the same kind of plants can be grown in separate houses, and even in the same size of pots and to the same heights and widths, attention should be riveted to every contrivance which tends to simplify the work.

The new method of steam-heating, which your correspondent has had an opportunity of studying under the guidance of its inventors, has been applied to a commercial greenhouse establishment of considerable dimensions for over ten months, and has proven its superiority over older methods in many ways. I shall endeavor to explain the arrangements, but if any point is left in doubt I would be glad to give further information.

The inventors have primarily sought to provide bottom heat to the beds in which palms and foliage plants are cultivated, and they have succeeded, not only in doing so in an economical way, but they have overcome the disadvantage of the drying-out from the bottom, and even supply sub-irrigation along with the heat. The structural arrangement of the benches is easily explained by the two sketches, Fig. I. and Fig. III. The dimensions adopted in this may, of course, be altered according to circumstances to suit the conveniences at hand.

Solid beds are constructed, about 50 feet in length, with brick sides and ends, say 2½ feet high. Up to 16 inches they are filled with dirt, with a layer of drainage material (broken stone) on the top. On this four canals are built, of porous material—soft bricks and tiles. Above the canals enough room is left for the bed (See Fig. III.), and between them a space of about one inch, which is filled with broken stone, bricks, cinders or the like, to provide drainage for the bed. As shown in Fig. I., each two adjoining canals together form a circuit in which steam and air are to circulate. The flow canal is provided with a receiver R (Fig. II.); it consists of four or more concentric rings, which are placed, telescope-like, over one another, so that about ½-inch space is left between each two succeeding ones. Into the smallest one of about ¾-inch internal diameter, the steam is introduced through a very fine mouthpiece out of an orifice of about ⅛-inch. In order to avoid the stopping up of this small aperture by dust, etc., the steam is conducted through a little box (See B in Fig. I.) and there, as the direction of the current is changed, any foreign matter drops, and through a removable bottom the little box can be cleaned whenever required.

The steam is furnished by a conveniently placed boiler under the pressure of, say, 59 pounds per square inch. It can be carried, as is well known, irrespective of direction, a thousand feet or more from the boiler without appreciable loss of heat, and pipes of comparatively small diameters may be used. A ½-inch supply pipe would be amply sufficient for four or even more beds, each 50 feet long.

The steam under the pressure named issues from the small orifice with a velocity of about 1,700 feet a second, and at a temperature of about 300 degrees. In the receiver it expands and mixes with a large volume of air, which it draws through the rings, and only a few inches away from the receiver its temperature is reduced to gentle heat. In the Belgian establishment 80 degrees F. were maintained. In a second, the vapor-charged and conveniently-heated air will have traveled through the whole circuit of 100 feet in length. Thus we find at all points of the canal practically the same temperature, as long as the steam is kept on. The air in the canal is quickly overcharged with moisture, and the surplus of saturation condensing is deposited on the porous walls of the canals; it permeates these, and thus is communicated to the soil and plants above.

The ten months' experience has proved that the results are excellent. Indeed, the fundamental idea of the inventors is that palms and tropical plants in general should be planted out in beds constantly warm, and moist, and be kept growing on the same spot until the marketable size is reached. Then they should be potted, and the pots plunged into the same or similar beds, and finally sufficiently hardened off. Fine, healthy, vigorous plants are the result.

In the canal system there is no loss of calorie, and the heat is given off absolutely uniformly to all parts of the beds. Besides that, the warm vapor arising from the bed and its walls keeps the atmosphere not only conveniently saturated with moisture, but the whole surface of the bed acts like a large radiator and heats the atmosphere in the greenhouse.

In the Belgian climate (the test, Winter 1899-1900, was a very severe one, the temperature falling as low as 5 and 6 below zero) the heat of the bed has in all but the severest weather kept the house temperature at the required point; only in exceptional cases have separate radiating pipes been turned on.

Not the least important feature is the sub-irrigation which is provided by this system. By practical experience it has been found that the moisture derived from the condensed steam of the canals is very nearly sufficient, only occasionally (every week or 10 days), have palms been syringed with the hose to clean the foliage, and that has been the only addition of water that the benches received. The drainage between the canals is provided to carry off any excess of water that might occur from that source.

During warm or Summer weather the steam is not kept on continuously, but two or three hours' heating a day are

then sufficient, without causing any appreciable variations in the temperature of the bed, which is not surprising if the large area heated and the absorbing capacity of the material be considered. The actual average cost of heating 10 square feet for 24 hours, to 70 or 75 degrees, has been 150 grams of soft coal, or for a bed 50 x 4 feet, and 6 inches deep, for the whole year a little over one ton.

The value of this new system can hardly be overestimated, even if the method only found application where bottom heat is required. The old-fashioned way of building up hot beds with manure, leaves or tan, has many obvious disadvantages. It is expensive, the heat is not uniform in a bed of same size, and not at all constant, which make a renewal and much work necessary. Here the first cost is small, the installation permanent, and the heat is comparatively cheap and at all times under control.

The degree of heat must be regulated by the quantity of steam discharged into the canal in a given time, and the diameter of the receiver and canal; it is evident, that the less dense the vapor in the circulating air, the lower its temperature will be; thus the pressure, also, though in a lesser degree, influences the temperature.

This same system could, without doubt, be successfully applied to greenhouse heating in general. A sufficient number of canals would require to be built to furnish the necessary radiating surface. As the difference of temperature between the radiators and the atmosphere in the house would be considerably smaller than is the case in the ordinary steam pipe system, the radiating surface would have to be five or six times as large.

For the majority of cultures the system would offer great advantages. It would automatically regulate the moisture of the air, and we would avoid the strong direct radiation from steam pipes, which often have to be placed in proximity to the plants, and which are the cause of disease and insect pests. The new method in a measure combines the good points of the old steam and water systems. The heat can be distributed from a central station over a large area very economically, and the radiators of large surface give out a gentle heat.

Instead of the brick and tile canals, as described above, for the heating of the beds suitably constructed terra cotta pipes could be employed for the house heating, and this would most likely bring the first cost of the installation considerably below either a steam or hot water apparatus. In moderate weather it would be sufficient to turn the steam on for a limited time. The volume of the radiants being large and their material a good absorber of heat, they would continue to give off heat for a considerable time.

There may seem to be a disadvantage in the fact that a certain degree of moisture is always imparted to the atmosphere so heated, and that for some special cultures it might prove an excess and detrimental; but it will hardly prove to be so. If we consider the cultivation of roses, for instance, very little, if any, syringing will likely be necessary after the heating apparatus is once brought into action, and thus a very large amount of water will not be wasted on the walls, in the paths and underneath the benches. Again, if the necessity should arise, glazed pipes could be used for a part of, or the whole, system, and the condensed water could be drained off. It is worth noting, that the air canals or pipes, whichever is employed, may be laid in any direction and inclination; and provided there are not too many bends, the circulation will be perfect.

T. ECKARDT.

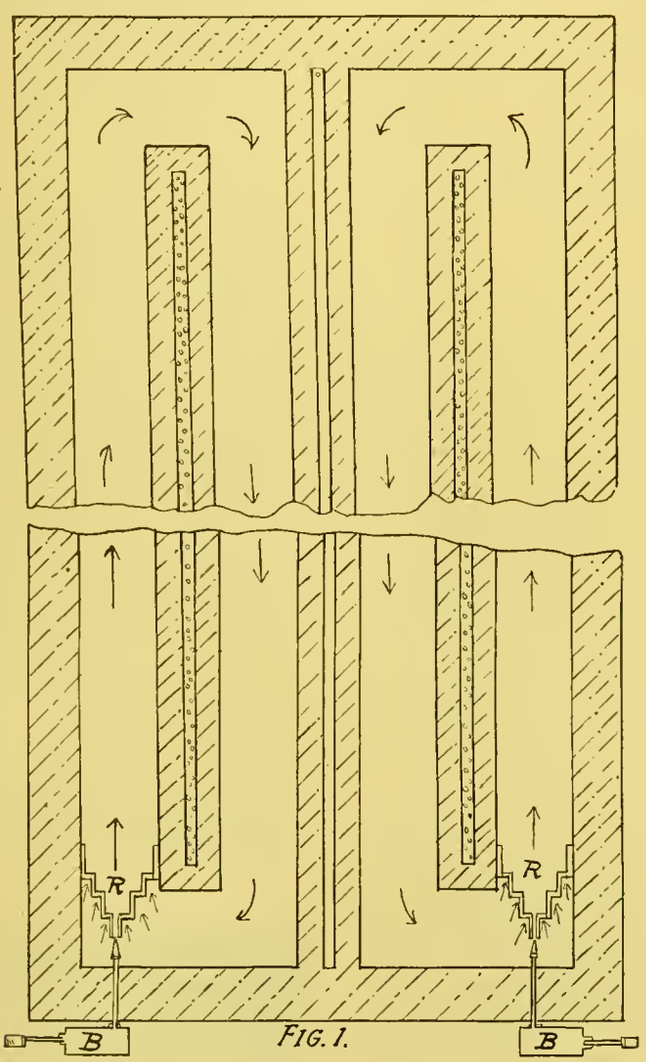


FIG. 1.

Showing structural arrangement of Bench. *R*, Receiver. *B*, Small Box.

Mr. Eckardt, in response to some inquiries, furnishes the following additional information:

I have your favor of 21st requesting further details concerning the new method of steam heating on which my last article treats. I may state, to start with, that I had little confidence in the practical value of the new system when I was first asked to give my opinion on it. I was convinced to the contrary, however, after I had seen it and thoroughly considered its different features.

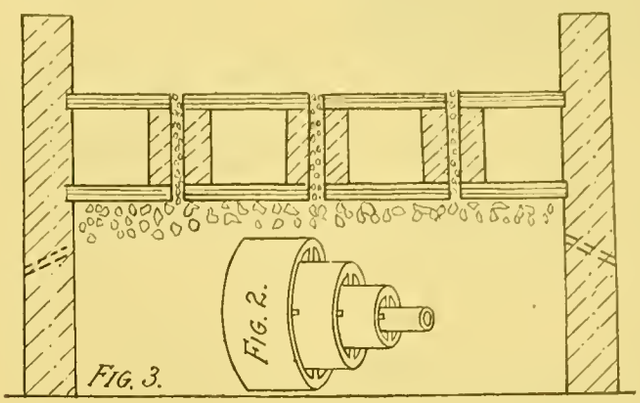


FIG. 3. Showing Bench Construction. FIG. 2. Receiver formed of Concentric Rings.

The dimensions of the canal are given by the two sketches which accompany the manuscript. In order to insure a given temperature in the canal, a certain proportion between the cubic capacity of the canal and the steam issued in a second has, of course, to be established. That is to say, if the steam pressure is given at 59 or 60 pounds per square inch, and if the size of the canal is given by the size of the bench which is to be heated, the temperature is regulated by increasing or diminishing the diameter of the orifice from which the steam is supplied. In the Belgian establishment an even temperature of 86 degrees was obtained in the canal, and a few degrees less throughout the bed. To nicely determine the size of the orifice, practical tests will have to be applied; at least your correspondent does not know of any previous experiments by which the calculation could be made. But with the sizes given in the article, it would not be difficult to come to precise results.

The concentric rings may be made of any metal—sheet iron rivetted, or better, cast iron or brass. They should be inserted into the flow canal to their entire length, or nearly so. Similar contrivances are in use in steam injectors, and where steam is issued into water in order to heat the latter without causing noise.

The little box B, the only function of which is to receive the deposits of dust or rust which the steam may have carried along, could, cheapest, be cast of iron, I suppose. A removable bottom would have to be held in place by bolts, clasps, or the like.

As to the transmission of the heat generated in the canals to the atmosphere in the house, of course, the soil and the heated parts of the bench walls become mediums of radiation. But there is a vast difference between this system and the old one of burying hot water and steam pipes in the bed. I may take, as example, one of those tan beds heated by hot water, which were a feature of the cycas houses in Europe, 12 or 15 years ago. The hot-water pipes were buried in the tan, and in order to prevent any damage to the roots by an excess of heat, the pipes had to be kept low enough so that the heat would arrive at the plants considerably moderated—100 degrees was considered the maximum limit. Now, after the pipes had been in contact with the nearest layers of tan (or soil, or any other material), for a while, these would completely dry out, and thus become an insulator for the pipes, and stop the diffusion of heat. At best, the radius of diffusion would become a small one, and the rooting space above would be heated very unevenly; for the same reason the bed surface, under this old system, cannot be counted upon as a radiant of heat of any consequence and the atmospheric temperature has to be taken care of separately. Steam pipes applied in the same way would, in a measure, accentuate the disadvantages.

A better though rather costly arrangement, to supply mild and constant bottom-heat, is the water bench system. It may be briefly described as a water-tight bench, immediately over which the bed to be heated is built. The water in the lower water bench is heated by hot-water, or steam, pipes, and the heat transmitted by radiation and the water vapors to the soil in the bed above. During the experimental period of orchid-growing, these contrivances could be found in the East India houses; they are still in use and give excellent results in palm culture, in the stimulation of root action. Here the bed need not be very deep, and as the bed material can be kept in a state of constant humidity, it becomes homogeneous, a much better conductor of heat, and a medium for its transmission, absorbing it from below.

There is a certain analogy between this and the new system. By the diffusion of the steam in the canal in the rapidly circulating air, the temperature of the former is reduced, and as long as the steam is kept on the same temperature prevails at all points in the canal. The temperature practically does not rise or fall any more. The bottom heat is thus kept constant, and is perfectly evenly distributed all through the moist bed material. This again becomes a good accumulator and comparatively a good conductor of heat. Its surface temperature will be but little below the temperature of the canals. As the exposed surfaces are very large, a considerable amount of heat is thus radiated by the bed and the bench wall, besides the warm vapor that constantly rises from it into the atmosphere. Of course, in severe weather separate heaters will have to be provided for the atmospheric temperature.

This new system has many features which do not present themselves until it is practically tested. While the bed heat directly warms the atmosphere, the plants growing on a warm bed will indirectly influence the temperature by absorbing but a limited amount of heat, or even by becoming radiants themselves; for they will derive a good supply of heat from their roots.

T. E.

Prof. Taft comments on the foregoing article as follows:

I have read with much interest the manuscript of Mr. Eckardt, and while I cannot be very enthusiastic about anything that I have never seen, I am of the opinion that such a system as he has described will be of value, not only for tropical plants, but for many commercial greenhouse crops that are benefited by bottom heat and sub-watering. I have had excellent results with these and with aeration, both singly and combined, and I have every reason to believe that if a circulation of warm, moist air can be secured in our greenhouse beds, in canals such as are described by Mr. Eckardt, or through porous drain tiles, a marked benefit can be secured with most greenhouse crops. Such a system could undoubtedly be arranged to provide all of the bottom heat and water that would be required by any crop, but it seems best adapted merely as an adjunct system so far as providing the heat needed by the house is concerned, in cold weather at least. The principal drawback to its use seems to be the requirement of a high-steam pressure for its successful operation, while low pressure is ordinarily used for greenhouse heating; but in large establishments a special boiler could be installed to provide the bottom heat, and low-pressure steam could be used in the coils. If the merits of the system have not been overstated, it might be feasible in small ranges of houses to use a high-pressure boiler, and reduce the pressure of the steam used for the coils.

L. R. TAFT.



Chrysanthemum Society of America.

The Chrysanthemum Society of America has appropriated $20 to be used for the purpose of purchasing a cup, to be competed for and awarded under the joint auspices of the Chrysanthemum Society of America, and the Chicago Horticultural Society, for the best 10 blooms of any variety of chrysanthemum. The judges appointed by President Herrington to pass upon same are as follows: John N. May, Summit, N. J.; Patrick O'Mara, New York, N. Y.; and E. Buettner, Park Ridge, Ill.

Complete committees, as appointed by the president to examine and pass upon seedlings and sports at the various centers, are herewith announced as follows:

BOSTON, MASS.—A. H. Fewkes, chairman, Horticultural Hall, Tremont Street, E. A. Wood, J. H. Wheeler.

NEW YORK, N. Y.—E. Dailledouze, chairman, care New York Cut Flower Co., 119 West Twenty-third Street; James W. Withers, A. Small.

PHILADELPHIA PA.—A. B. Cartledge, chairman, 1514 Chestnut Street; Wm. K. Harris, John Westcott.

CHICAGO, ILL.—James S. Wilson, chairman, care J. B. Deamud, 51 Wabash Avenue; George Stollery, E. Wienhoeber.

CINCINNATI, O.—R. Witterstaetter, chairman, care Jabez Eliott, Flower Market, (care janitor); James Allen, Albert Sunderbruch.

Remaining dates on which chrysanthemum seedlings and sports may be examined are as follows: October 27, November, 3, 10, 17 and 24.

Exhibits to receive attention from the committees must in all cases be prepaid to destination, and the entry fee of $2, should, when possible, be forwarded to the secretary not later than Tuesday of the week preceding examination.

EDWIN LONSDALE, Secretary.
Wyndmoor, near Philadelphia, Pa.

Work of Committees.

October 20, 1900.

BOSTON, MASS.—Nathan Smith & Son, Adrian, Michigan, exhibited Iolantha, a Japanese incurved pink variety, which scored, according to commercial scale, 85 points. Tendency of the petals to drop may injure it as a shipping variety. The extreme earliness of the variety was taken into consideration in making the above judgment.

CINCINNATI, O.—Iolantha, exhibited by Nathan Smith & Son, scored 85 points, commercial scale.

PHILADELPHIA, Pa.—Iolantha, shown by Nathan Smith & Son, scored—commercial scale, 82 points; exhibition scale, 80 points.

NEW YORK, N. Y.—The above variety by the same exhibitors scored 77 points, commercial scale.

CHICAGO, Ill.—The above variety was exhibited and scored—commercial scale, 71 points. EDWIN LONSDALE, Secretary.

CHICAGO.—The chrysanthemum committee, consisting of Messrs. J. S. Wilson, George Stollery and E. Wienhoeber, did their first work, October 20, in examining half a dozen flowers from Nathan Smith & Son, Adrian, Michigan. The color of the blooms was a lively puce pink. The parents of the varieties were Marquis de Montmort and a pink seedling of 1896, Mrs. Bergmann and Perrin. Planted June 21, crown bud taken September 10; flowers cut October 15; height, 4 feet; foliage fair, neck rather long, incurved center, outer rays spreading, a few inclined to be spoon-shaped, increasing the size of the flower to about 7 inches over all; the bloom flat—a pink, certainly superior to any of the earlies in that color seen in this market. ESS.

NEW YORK.—Before the committee of the C. S. A. on Saturday, October 20, there was but one new chrysanthemum up for certification. The variety was sent by Nathan Smith & Son, Adrian, Mich. It was named Iolantha, being a cross between Bergmann and Mrs. Perrin, Jr. The type is Japanese incurved, and the color a rose pink.

Coming Exhibitions.

(Secretaries of other shows will oblige by sending us schedules.)

We can supply you with a handsome lithographed chrysanthemum poster, 22 x 28, just the thing for advertising your exhibition, attractive and unique, and suitable for window display. Write us for sample and particulars as to prices, etc.

SAN FRANCISCO, CAL., October 25-27.—California State Floral Society. Mrs. Henry P. Tricon, Secretary, 846 Grove Street.

POUGHKEEPSIE, N. Y., November 6-8.—Dutchess County Horticultural Society. W. G. Snitford, manager, Poughkeepsie.

MONTREAL, Quebec.—November 6-8, Gardeners and Florists' Club; W. H. Horobin, secretary, 130 Tupper street.

HARTFORD, CONN., November 6-9.—Connecticut Horticultural Society. L. H. Mead, Secretary, Hartford.

BOSTON, MASS., November 6-9.—Massachusetts Horticultural Society. Robert Manning, Secretary, Horticultural Hall.

CHICAGO, ILL., November 6-10.—Chicago Horticultural Society. W. N. Rudd, Secretary, Room 1002, 185 Dearborn Street.

MADISON, N. J., November 7-8.—Morris County Gardeners and Florists' Society. Charles H. Atkins, Secretary, Madison, N. J.

DENVER, COL., November 7-9.—Denver Florists' Club. A. M. Lewis, Secretary.

TARRYTOWN, N. Y., November 7-9—Tarrytown Horticultural Society, William F. McCord, secretary; M. J. Connellan, manager.

CHESTNUT HILL, Pa., November 7-9—Chestnut Hill Horticultural Society; Robert G. Carey, secretary.

COLD SPRINGS, N. Y., November 8-9.—Putnam County Horticultural Society. John A. Connolly, Secretary.

LOUISVILLE, Ky., November 10-12—Kentucky Society of Florists; H. Lichtefeld, secretary.

NEWPORT, R. I., November 13-15.—The Newport Horticultural Society. Recording Secretary, Robert Johnston, Harbourview.

WACO, TEX., November 13-17.—Texas State Floral Society. Mrs. M. B. Davis, Secretary, Waco.

PHILADELPHIA, PA., November 13-17.—Pennsylvania Horticultural Society. David Rust, Secretary, Horticultural Hall, Broad Street.

INDIANOPOLIS, Ind., November 14—State Florists' Society of Indiana; R. A. McKenna, Garfield Park, secretary.

PROVIDENCE, R. I., November 14-16.—Rhode Island Horticultural Society. C. W. Smith, Secretary, 61 Westminster Street.

ELMIRA, N. Y., November 14-15.—Elmira Horticultural Society; H. N. Hoffman, secretary.

ST. LOUIS, MO., November 14-16.—St. Louis Florists' Club. Emil Schray, Secretary, 4101 Pennsylvania Avenue.

HOUSTON, TEX., November 15-16.—Mrs. M. E. Bryan, Secretary.

BALTIMORE, MD., February 21-22 1901.—American Carnation Society. Vibert M. Herr, Secretary, Lancaster, Pa.

NEW YORK, March, 1901.—American Rose Society, Leonard Barron, Secretary, 136 Liberty street.

The Chicago Horticultural Society has issued the following information regarding the time of staging exhibits for its forthcoming show: First day, Tuesday, November 6, 1900; Classes 1 to 57, inclusive. Second day, Wednesday, November 7, 1900; Classes 58 to 76, inclusive. Third day, Thursday, November 8, 1900; Classes 77 to 112, inclusive. Fourth day, Friday, November 9, 1900; Classes 113 to 119, inclusive. The competition for the Chrysanthemum Society Cup will also take place on this day. Fifth day, Saturday, November 10, 1900; Classes 120 to 131, inclusive.

The class numbers above are those of the preliminary list, which was mailed early in the season. Additional copies may be obtained from the Secretary, Room 1002, 185 Dearborn Street. Exhibits must be in the hall before 9.45 a. m. and must be staged by 10:30 a. m.

A suitable sum of money will be set aside to be given in premiums for the exhibition of interesting novelties, pertaining to plant life, that may prove attractive to the public. This is not intended to cover anything mentioned in the within enumerated classes, but may include well-grown specimens of some of the most commonly known flowers. There are many things which may come to the minds of the exhibitors, that might prove interesting, and the Society stands ready to award suitable premiums for exhibitions of this character.



(211) **The Banana.**—The banana plant will start suckers from the base, providing it be shaken out of the pot, part of the old roots taken away and plunged into a good bottom heat.

(212) **Fumigating Palms.**—In a house with all kinds of bedding plants, I have to store a few palms. Will fumigating do them any harm?

—Ordinary fumigating will not injure the palms.

(213) **Planting Sweet Peas Outdoors in Fall.**—Sow the sweet peas two inches deeper than when sowing in the Spring. Do not put on any mulch until the weather opens up next Spring, then a mulch may be applied to protect the plants from late frosts.

(214) **Pruning Shrubs.**—What is the best time to prune shrubs—bacharis, tamarix, weigela, etc? Has anything to be done in the way of pruning to an Aralia japonica?

—Prune the shrubs in the Spring time, and let the pruning consist of merely cutting out the weaker parts of the shrubs. The aralia named does not need any cutting back.

(215) **Mealy Bug on Bouvardia.**—The insect on the bouvardia is evidently mealy bug. If the plants are in pots it will be best to dip them overhead in a strong mixture of Fir Tree oil. Procure a can of that insecticide and mix the substance according to the directions on the label. If the plants are in the bench the mixture, of course, will have to be applied with the syringe.

(216) **Center Leaf of Latanias Rotting.**—What causes the center leaf of Latania borbonica seedlings, out of 2½-inch pots, to rot? The roots of the plants are in a perfectly healthy condition. I send you specimens of the young plants referred to.—G. J., Florida.

—From the appearance of the two seedling latanias submitted, we believe the trouble arises from their having been potted too deep in the soil. Burying young palms below the "neck" in the soil will cause decay in the center, and the roots will appear to be perfectly healthy for a long time after the rest of the plant is dead.

(217) **Fumigating Roses in Pots.**—Kindly explain whether rooted rose cuttings in pots should be wet or dry when fumigating with tobacco for aphis; also state whether the soil should be on the wet or dry side? I have been unable to exterminate the fly without taking off the leaves of some varieties. On one side of the walk we had about twelve thousand Gontier with new growth well started; and on the opposite side about eight thousand Marechal Niel, same condition. The Gontier lost all the foliage, and the Niel were uninjured. Can you give reason of this?—C. W. H.

No. 1—The foliage of the roses should be dry. If the soil in the pots is not so dry that the plants are in a wilted condition, it matters little whether the soil is on the dry or wet side.

No. 2—We cannot explain why the Gontier roses lost all their leaves while the Marechal Niel remained uninjured. The tobacco must have been burned in too large a quantity to cause the loss of any leaves, and we would advise a more moderate fumigation, repeated every other day, until the fly is destroyed.

(218) **Surplus Roses.**—We have a surplus of Bride and Bridesmaid roses left over after filling our rose houses. How would it do to put these plants in cold frame, and use them either as plants for Summer cutting, or hold them over until next June, and place them in the rose house for forcing? Also, how would it do to take them out of the pots and heel them in cold frames for the purposes mentioned above?—L.

—Take the roses out of the pots and plant them in the cold frame. Bank the outside of the frame with litter to protect the plants from being frozen too severely, but let them remain dormant through the Winter. In the Spring they can be potted up, brought into flower, and sold as pot plants; or they may be planted in benches in the house, where they will do excellently for cutting from through the Summer.

(219) **Violets.**—Is it advisable to remove leaves from violet plants in the bench, with the object of affording strength to roots, for the producing of bloom? Also, should the first flowers that appear be removed for the same purpose? How long, or how close, should this practice be observed? On lifting my single violets from the field I found numerous pods, same as sample enclosed. Are they seed pods from blooms that have matured while the plants were in the field, and were seeding? If so, should they all be removed? I have Princess of Wales and Farquhar.—SUBSCRIBER.

—As long as the leaves are in a perfectly healthy condition, they should not be removed from the plant. Blooms should be picked off as fast as they appear until such time as the market is ready for them, or until the flowers are of good enough quality to be useful. The specimens enclosed were abortive buds and should not be allowed to remain on the plants. Full information regarding violets can be found in Prof. Galloway's book on "Commercial Violet Culture." We would advise inquirer to procure a copy of this book from the publishers of THE FLORISTS' EXCHANGE.

(220) **Qualifications of a Landscape Architect.**—It is quite important that a landscape architect should appreciate nature and natural conditions, and have a thorough knowledge of native plants as well as a knowledge of cultivated plants and cultivated conditions; for in many cases the treatment to be given a problem in landscape design will be determined more by such existing natural features, as a fine growth of trees, an interesting ledge, a thicket of shrubbery or a broad stretch of meadow, and they will often determine the extent, character and position of the gardens and lawns. He should learn to appreciate plants for their value as elements of landscape even more strongly than as individuals, or as rare and curious specimens. Not only must he have an intimate knowledge of all plant life that is likely to be found, or that is likely to be used in landscape work, but he should also have a knowledge of engineering that will enable him to prepare topographical plans (which are necessarily the basis of all accurate plans and estimates), make estimates of earth, cut and fill, lay down a system of drainage, establish grades upon roads and walks, and fix upon these grades in such a manner as to secure a reasonably close balance between cut and fill as a measure of economy. He should also have a knowledge of drainage and sewerage disposal, as these questions are likely at times to be presented for consideration. He should have a good general knowledge of architectural design, for the architect and landscape architect should work together in sympathy, in order that there may be

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a close and proper union between their work. He should have the capacity to study and draught his plans in such a manner that his ideas may be clearly conveyed to those who are responsible for their execution upon the ground. He must have an intimate knowledge of the character and cost of all material that enters into the construction of grounds. He must have a knowledge of contracts and specifications for the execution of the many classes of work that must be carried, and he must have the capacity to deal with contractors and others in such a manner as to secure good results. He should have an opportunity to study existing examples of landscape problems that have been executed by the best designers in this country and abroad, and should gain an insight into the reasons that have led them to select the adopted design.

The only place where such a training can be secured under thoroughly competent instructors who have successfully executed important problems of this character, is in the course of landscape architecture which has recently been established in Harvard College. In addition to this course it is extremely desirable that a young man who intends to take up the profession should have such practical instruction as can be gained in the greenhouse, the nursery, the engineer's office, and finally in the office of some landscape architect where he will have an opportunity to study the actual planning and execution of various undertakings.

If a young man cannot take a thorough course of study, then the only alternative would be to find a place as a student in a large office. WARREN H. MANNING.

(221) **Dahlias Coming True from Seed.**—In some cases where the flowers have been protected from outside pollenation in every way, varieties have come absolutely true from seed, but never more than one to ten per cent. have ever done so, even in such cases, as it is the nature of the plant to "break." William F. Bassett, of Hammonton, N. J., one of the oldest dahlia growers in the country, has also had a few experiences where the plants came true from seed. For instance, the past Summer he showed me "Ami Barrilet," as he supposed true from seed. On careful examination, I called his attention to the fact that while the foliage was the same, the flowers were inferior. We tried seed from the new single "St. George," but the seedlings came nearly all colors, and not one of the seedlings, although several were yellow, were as fine as the parent. I would, therefore, say that, in our experience, while dahlias may in some cases reproduce themselves, or in other words, produce seedlings almost identical with the parent, generally they vary in some respect, and after 16 years' work among these plants we have given up all attempts to grow dahlias from seed, except for the purpose of securing new varieties.

In connection with this, I would say that it would be possible to grow single dahlias from seed, of pedigree stock, by having the type fixed by years of selection. Then they will come true to color, but will vary in size and shades. This has been our experience from sowing seeds of "President Carnot" and other French varieties which were sent out guaranteed to come true from seed. We gave these kinds extended trials, and only a percentage came true to color, while very few were true to type.—L. K. PEACOCK, Ateo, N. J.

CHANGES IN BUSINESS.

WATERVILLE, Me.—R. H. Mitchell & Son have removed their office to the J. P. Merrill store. A. R. Bixby will be in charge.

LORAIN, O.—M. A. Wilhelmy has retired from business. He will be succeeded by his sons.

KANSAS CITY, Mo.—H. J. Millatt has opened a florist's store at 406 East Ninth Street, this city.

DES MOINES, Ia.—Morris, the florist, has leased the building at 609 West Walnut Street, and will occupy it after November 1.

NORTHFIELD, Mass.—James Field and Frank Perould have rented the greenhouse of Mrs. John Morgan.

NORFOLK, Va.—The Lauterbach Co. was incorporated September 28. The new firm is building three houses, one 100x20 and two 60x18 feet each. Three more houses will be built after New Year's—one three-quarter span, 100x24, one 100x20 and one 160x24 feet. A nursery business will also be conducted. Landscape work is satisfactory.

He Had Feared the Worst.

"Are you able to stand a terrible shock?" asked the rich broker's gardener, as he rushed into the former's private office.

"Heavens! What is it? Speak, man! Don't keep me in suspense! I can stand anything better than your terrible silence."

"Your—your wife eloped, this forenoon, with your automobile driver."

"Oh! By George, you had me scared for a few seconds. I thought something might have happened to that new orchid of mine."—*Chicago Times-Herald.*

PRIMROSES

Finest strains, separate colors, single and double, 2½ inch..... 100 $2.50, 1000 $20.00
All colors mixed..... 100 2.00, 1000 15.00
Plants are extra fine, 2½ inch.
TERMS CASH. Address
S. ALFRED BAUR, Successor to Henry Niemeyer, Erie, Pa.
Mention the Florists' Exchange when writing.

FERNS.

We have a surplus of **175 Pteris Tremula** and **100 Adiantum Cuneatum,** nice plants, suitable for terneries, out of 2¼ inch pots, ready for immediate shipment, at $3.00 per 100.
Cash with order.
M. E. and R. HOFFER, - Mount Joy, Pa.
Mention the Florists' Exchange when writing.

BIG BOSTON FERNS

Pot-grown, ready for 8, 9, 10 in., 20 to 30 fronds, 2 to 3 feet long. There is money in them for you, just what you want for Fall trade. First size, $1.00; 2d size, $75 cts. each. Get them while they are going. Cash, please.
A. J. BALDWIN, Newark, Ohio.
Mention the Florists' Exchange when writing.

PALMS

Ferns, Asparagus, etc.
Write for Wholesale Price List.
EMERSON C. McFADDEN, Short Hills, N. J.
U. S. EXOTIC NURSERIES.
Mention the Florists' Exchange when writing.

FERNS. FERNS.

This year our ferns are in fine shape. A good variety and fine bushy stock. 2¼ in. pots, $3.00 per 100; $28 00 per 1000.
Asparagus Plumosus Nanus, 2½ in. pots, strong, $6.00 per 100.
Asparagus Sprengeri, 2½ in. pots, strong, $4.00 per 100.
HENRY WESTON & BRO., Hempstead, N. Y.
Mention the Florists' Exchange when writing.

ORCHIDS

A splendid stock of established and unestablished Orchids always on hand. A number of varieties now in sheath and spike.
CORRESPONDENCE SOLICITED.
LAGER & HURRELL, Summit, N. J.
Mention the Florists' Exchange when writing.

The Boston Fern
A SPECIALTY.

Very fine plants at from $5.00 per 100 to $1.50 each. None better. True stock.
ASPARAGUS — PALMS — FICUS
L. H. FOSTER, 45 KING STREET, Dorchester, Mass.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.
Mine is the Genuine Stock.
FRED. C. BECKER, Cambridge, Mass.
1780 CAMBRIDGE ST.

Jardiniere Ferns

ELEGANT STOCK.
$3.00 per 100; $25.00 per 1000.
Roses for the South. Varieties most adapted for southern planting. Just the thing you want. Stock A No. 1. Write for Price List.
J. B. HEISS, The Exotic Nurseries, Dayton, Ohio.

FERNS For dishes, etc., in 6 of the leading varieties, from 2½ in., $3.00 per 100.
ASPARAGUS Plumosus Nanus, 3 inch, $5.00 per 100; strong, 3½ in., $8 per 100.
FORGET-ME-NOT True Winter-flowering, 5 inch, $3.00 per 100; 4 inch, 75 cts. per dozen.
PELARGONIUMS In six of best bloomers, mixed, from 3 in., $3 a 100.
JOHN G. EISELE, 20th and Ontario Sts., PHILA., PA.
Mention the Florists' Exchange when writing.

ASPARAGUS

SPRENGERI and PLUMOSUS NANUS.
Extra strong stock, from 2½ inch pots, $5.00 per 100; $40.00 per 1000. (Ready for 3 inch.)
JACKSON & PERKINS CO., NEWARK, NEW YORK
Mention the Florists' Exchange when writing.

ARAUCARIA EXCELSA

4 to 5 tiers, 24 in. high..... $1 50
5 to 7 " 24 to 30 in. high..... 2 00
DRACÆNA FRAGRANS.
18 in..... $1 00
22 to 24..... 1 50
A1 Stock. Measurements from top of Pot.
HESSION, Clarkson St., BROOKLYN, N. Y.
Mention the Florists' Exchange when writing.

FINE PALMS.

Kentia Belmoreana and Forsteriana—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, from $2.50 upwards.
Phœnix Reclinata, 4 in. pots, $20 per 100; 5 in. pots, $40 per 100; 6 in. pots, 35c. each; 7 in. pots, $1.25 each; specimen plants, $2.00 upwards.
Areca Lutescens, 3 in., $15 per 100; 4 in., $25 per 100.
Latania Borbonica, 4 in., $20 per 100.
JOHN BADER, Troy Hill, Allegheny, Pa.
L. D. TELEPHONE 872A.
Mention the Florists' Exchange when writing.

AZALEAS - -
PALMS - - -
NEW PLANTS
BAY TREES -
SANDER BRUGES, BELGIUM
The largest and finest stock on the Continent.
A. DIMMOCK, our representative, is now in the U. S. and will be pleased to reply to any communications addressed to **60 Vesey Street, New York.** Lists on application.
Mention the Florists' Exchange when writing.



AZALEA INDICA

Just received a large shipment, and they turned out to be finer than ever before. The varieties are: **Mme. Van der Cruyssen, B. A. Alba, Simon Mardner, Vervaeneana, Empress of India, Emperor of Brazil, Prof. Walters, Niobe, Dentache Perle,** etc.

	Doz.	100	1000
8–10 inches diameter....	$3.50	$27.50	$250 00
9–11 " "	4.00	30.00	285.00
10–12 " "	4.50	35.00	325.00
12–14 " "	6.00	42.50	400.00
14–16 " "	7.00	55.00	525.00
16–18 " "	12.00	90.00	

Large plants, $1.25, $1.50, $2.00, $3.00 each.
Araucaria Excelsa 3-4 tiers, doz., $9; 100, $65. 4-5 tiers, doz., $9; 100, $90. These are extra fine plants, well-furnished.
Hydrangea Otaksa Strong plants. $15.00, $20.00, $25.00 per 100.
Kentia Belmoreana and Forsteriana $12, $15, $18, $24 per doz. Ex ra fine stock.
BOBBINK & ATKINS, Rutherford, N. J.
Mention the Florists' Exchange when writing.

THESE plants have a long thrifty growth and are ready for a shift or immediate sale. They have been grown cool and can be safely shipped to any part of the country.

Boston Fern. From 2½ inch pots, $3.00 per 100; $25.00 per 1000. From 4 inch pots, $1.00 per doz., $8.10 per 100.
Asparagus Sprengeri. From 2½ inch pots, $2.50 per 100; $20.00 per 100. From 4 in. pots, $1.00 per doz., $8.00 per 100.
Asparagus P. Nanus. From 2½ inch pots, $4.00 per 100; $35.00 per 1000. From 4 in. pots, $1.00 per doz., $8.00 per 100.
New Hibiscus, Peachblow. From 2½ in. pots, $4 a 100.
Boston Ivy. (A. Veitchii.) Pot grown, $3.00 per 100; $25 00 per 1000.
200,000 Roses. From 2½ inch pots, $2 50 per 100; $20.00 per 1000.
Golden Gate, Crimson Rambler, La France, Striped La France, White La France, Moscila, Kaiserin, Bride, Maid, Etoile de Lyon, Meteor, White Maman Cochet, Maréchal Niel, Pink Maman Cochet, C. Soupert, Pink Soupert, The Queen, Muriel Graham, Burbank, Marie Van Houtte, Gen. Lee, Malmaison, Mrs. Degraw, P. Pere, Ahel Chatenay, Caroline Marniesse, Yellow Rambler, Empress of China

Cash With Order, Please.

THE JOHN A. DOYLE CO.
SPRINGFIELD, OHIO.
Mention the Florists' Exchange when writing.

LATANIA BORBONICA

Two large plants, 5 feet high, 6 feet spread, 6 to 8 large perfect leaves. Price, the pair, $8.00, worth $15.00.
T. H. NORTON, Hightstown, N. J.
Mention the Florists' Exchange when writing.

PALMS AND BOSTONS

WALTER RETZER & CO.,
2045-59 CLARENDON AVE., (N. Halstedt Street), Chicago, Ill.
Mention the Florists' Exchange when writing.

FIELD-GROWN DRACÆNAS

24 to 28 inches high, fine strong plants, $1.25 per doz.; $10.00 per 100.
175 SMILAX Extra fine, 2½ inch, at 2 cts.
S. S. PECKHAM, New Bedford, Mass.
Mention the Florists' Exchange when writing.

Adiantum Cuneatum

2½ in. pots, $4 per 100; 3½ in. pots, $6 per 100
4½ in. pots, large plants, $10 per 100; selected plants, 3½ in. pots, $12 per 100.

Asparagus Sprengeri

2½ in. pots, $4 per 100; $30 per 1000.
3 in. pots, $5 per 100.

EDW. J. TAYLOR, Southport, Conn.
Mention the Florists' Exchange when writing.

FERNS OUR SPECIALTY.

A grand stock of **MAIDEN HAIR FERNS,** in 4 inch, ready for 5 inch pots, per 100, $15.00; per 1000, $140 00.
Full-grown plants, in 2½ inch pots, ready for a shift, per 100, $4.00; per 1000, $35.00.
Fine lot of **ASSORTED FERNS,** for Jardinieres. All the best varieties, in 2½ inch pots, per 100, $4 00; per 1000, $35.00.
An Excellent Stock of
ADIANTUM FARLEYENSE.
Over 10,000 now ready for the market.
6 inch pots ..... each, $1.50; per 1000, $140.00.
5 inch pots ..... " 100; " " 95.00.
4 inch pots ..... " .60; " " 55.00.
Money returned if not satisfactory. Cash or C. O. D.
ANDERSON & CHRISTENSEN, Short Hills, N. J.
Mention the Florists' Exchange when writing.

CHOICE FERNS IN FLATS.

100,000 at One Cent.
JOHN H. LEY, Good Hope, Washington, D. C.
Can supply very good, hardy plants, which, potted now, will fill a 2½ in. pot in a few weeks, best market sorts. Have sent by mail and express to every State and Canada, and have given universal satisfaction.
Sample 100 mailed, $1.25
1000, in 10 Sorts, by Express, $10.00.
Pteris Cretica Alba, P. Adiantoides, P. Longifolia, P. Hastata, P. Sulcata, P. Tremula, Adiantum Grandiceps, Nephrodium Cristatum, Lygodium, Lomaria Gibba, Selaginellas, &c., &c.,
POST ORDERS, GOOD HOPE, D. C.
Mention the Florists' Exchange when writing.

XMAS SPECIALTIES

BABY PRIMROSES, strong, A 1, 2¼ inch, $4.00 per 100; 3½ inch, $8.00 per 100.

BROWALLIA GIGANTEA, very fine stock, 2¼ inch, $3.00 per 100; rooted cuttings, $1.50 per 100.

Plants A 1, and your money back if not satisfactory. Cash, please.

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

IF YOU NEED ROSES
Send us your list for prices.

THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.

Mention the Florists' Exchange when writing.

SNOWFLAKE New Everbloomiog Polyeothe White Clueter Rose for Forcing. It will be a coming pure white standard material for floe design work, also for 6-inch pans, buttonholes, etc. True and good, by no mistake, easy to raise, easy to propegate. Plants, 2 in. pots, doz. $2.50; 100, $15.00. 3 in. pots, doz., $4.00; 100, $25.00. Rooted Cuttings, 1o moss, by mail, per 100, $10. **Euphorbia Jacquiniæflorn**, 2 inch pots, per 100, $8 00.
ALBERT KNAPPER, Frankford, Phila., Pa.

Mention the Florists' Exchange when writing.

ROSE PLANTS

1o varieties, from 2½. 3 and 4 inch pots. Write for prices. 100

Lemon Verbena, 3 in. pots	$4 00
Sanseviera Zeylanica, 3 in. pots	5.00
Asparagus Plumosus, 2½ in. pots	5 00
Asparagus Sprengeri, 2½ in. pots	4.00
Nephrolepis Cordata Compacta, 2½ in..	3.00
N. Cordata Compacta, 3 in. pans...per doz.,	6.00

Field-Grown, Scotch **Hardy Pinks**, at $3.50 per 100; $30.00 per 1000. 6 varieties.

THE NATIONAL PLANT CO., Dayton, Ohio

Mention the Florists' Exchange when writing

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS...
and Novelties in Decorative Plants.
Market and 49th Sts., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

FIELD-GROWN ROSES

Crafted on Manetti.

1000 KAISERIN } $10 00
300 PRES. CARNOT } per 100.

ROBERT SIMPSON, Clifton, N. J.

Mention the Florists' Exchange when writing.

ROSES

For Late Planting.

Strong, healthy plants of Bride, Perle, La France and Bridesmaid, from 4 inch pots, at $6.00 per 100.

ASPARAGUS SPRENGERI

Strong, 4 inch pots, $10.00 per 100.

DRACÆNA INDIVISA

Strong 4 inch pot plants, $8.00 per 100
Strong 5 inch pot plants, $12.00 per 100

I. H. MOSS, Govanstown, BALTIMORE, MD.

Mention the Florists' Exchange when writing.

ROSES

Perle **Sunset**
K. A. Victoria **Souv. de Wootton**
Strong clean plants, from 3 in. pots, $7.00 per 100 $65.00 per 1000.

Bridee **Golden Gate**
Bridesmaid **Maid of Honor**
Bon Silene **Mermet**
Duchess of Albany
Strong, clean plants from 3 in. pots, $6.00 per 100; $55.00 per 1000.

Strong, Field-grown **CARNATIONS** Healthy Stock

America, Gen. Maceo.
1st size, $8.00 per 100; $70.00 per 1000
2d size, $6.00 per 100; $50.00 per 1000

Melba, Genl. Gomez, Armazindy.
1st size, $7.00 per 100; $60.00 per 1000
2d size, $5.00 per 100; $45.00 per 1000

Firefly, Psyche, New York, Sea Shell, Victor, Thos. Cartledge, Alaska.
1st size, $5.00 per 100; $40.00 per 1000
2d size, $4.00 per 100; $35 00 per 1000

SMILAX strong plants, from 2½ in. pots, $2.50 per 100; $18.00 per 1000.

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

NOTES BY THE WAY.

CHICAGO, ILL.—Sam Pearce was one of the earliest with chrysanthemums here, having some fine Bergmann. His plants were attacked by a worm that secreted itself in the epidermis of the leaf and ate through the foliage. He has much improved his place by adding a show house and office.

CINCINNATI, O.—J. A. Peterson, whose store was in the direct course of the recent parade, had a window handsomely dressed with cattleyas, Adiantum Farleyense and Dieffenbachia Bauseii—the most striking in town and greatly admired, Mr. Davis, the decorator, coming in for his meed of praise. A. Sunderbruch's Sons, G. Brunners' Sons, and George & Allen did much of the work upon the rigs. Sunderbruch had a team which attracted much attention.

I noted at the Peterson Greenhouses that Liberty rose is doing splendidly, sending up strong shoots full of promise. The black spot seen in the first growth has disappeared. Part of the house is planted with Bride and Bridesmaid, which, while in prime condition, do not surpass the new candidate for honors. In addition to Adiantum Farleyense, a house of fancy dracænas, chiefly Lord Wolseley, is grand. Could it be transported to Chicago, or an Eastern city, the plants would be taken up quickly.

SPRINGFIELD, O.—The Good & Reese Co. have made considerable additions to their establishment of late. Up-to-date houses are filled with enormous stocks of roses, the extent of which makes one marvel, and the disposition of which is not less wonderful.

McGregor Bros. are also large raisers of tea roses, besides a miscellaneous stock, which is being distributed at a rapid rate. A busy season is predicted by this enterprising firm of young men.

ASHTABULA, O.—Herbert Tong finds the demand for smilax as good as ever. He has the local appellation of "smilax king," he growing nothing but that useful article. His plant establishment is at Erie.

COLUMBUS, O.—Underwood Bros. have about 50 seedling carnations, of which Flora Hill is a parent. Some of these are highly promising, especially a bright pink with a trace of scarlet. The habit of the plant and size of the bloom are very satisfactory at present. Their chrysanthemums are in fine shape.

Franklin Park Floral Co. have a house planted with a pink seedling that puts the other varieties in the shade, a striking instance where a plant raised at home thrives better than does a stranger. This variety is a cross between Daybreak and Scott, almost identical with The Marquis, yet quite distinct. This is its third year, and Mr. Knoppf intends watching it very closely during this season. Hitherto, it has been all that could be desired. Many changes have been made in this progressive establishment. A handsome office, with show house, sets off the block to fine advantage. The neatest thing I have yet seen is the ice chest which forms a counter that is zinc lined. The chest is fed from the back, the center space being reserved for the ice, while on either side of this compartment, which is separate, are others for the flowers, which are placed in the front through plate glass doors. Roses and chrysanthemums are in fine condition, and with the promising state of business will bring good prices.

WARREN, PA.—W. M. Lott has had an excellent all-round trade, and is preparing for a record-breaker this Fall.

W. M.

The local papers of Cleveland, O., speak in laudatory terms of the floral work designed by Mrs. Ella Grant Wilson in connection with the flower festival at the conclusion of the "home week" celebration.

Advertising is not "the whole thing," but it is an absolutely essential part of the whole.—*Agricultural Advertising.*

Stop Walking the Floor

You won't be disappointed if you place your orders for **SOUTHERN WILD SMILAX** with

Caldwell the Woodsman Co., Evergreen, Alabama,

or their Agents—L. J. Kreshover, New York; J. B. Desmud Chicago; M Bice & Co., Philadelphia; Vail Seed Co., Indianapolis. Our advice—wire your orders and go "sleep in peace." N. B.—We also sell some HOLLY.

Mention the Florists' Exchange when writing.

POINTS
ARE
PRICES — QUALITY



SAGO LEAVES.

Per 10		Per 15	
6-12 inch.....	$0 40	24-30 inch.....	$0 80
12-18 "	55	30-36 "	1 20
18-24 "	70	36-42 "	1 50

42 inch and over, per 10, $2.40.



No. 7200 PALMS.

	Lvs.	Hgt.	Doz.	
7204	3	24in.	$2.10	Metal Wreaths,
7204a	3	36 "	3.60	
7200	5	36 "	5.40	From
7201	6	40 "	7.20	
7201a	10	40 "ea	1.80	25 cents up.

PALM TREES.

	Lvs.	Hgt.	Ea.		
7206	9...7	ft.	$3.50	Natural Prepared Palm Leaves,	100
7208	16...9	"	4.50	Medium size.....	$6.00
7209	24..10	"	6.00	Large size.....	10.00

FRANK NETSCHERT,

CHICAGO: 187 S. Clark Street.
NEW YORK: 7 Barclay Street

Mention the Florists' Exchange when writing

Galax Leaves

CHAS. H. RICKSECKER, Linville, N. C.

Mention the Florists' Exchange when writing

HOLLY C. E. BROWN Bridgeville, Del.

PACKER AND DEALER.

Orders now booked for dark green, well-berried Holly. Holly Wreaths and Laurel in small and car lots.

Mention the Florists' Exchange when writing.



Engage your ferns for Winter now, price. 75c a 1000. Best Laurel Festooning, 4c. to 6c. a yd Telegraph New Salem, Mass.

CROWL FERN CO., Millington, Mass.

Mention the Florists' Exchange when writing.

J. G. LOVEN,

Montezuma, N. C.,
DEALER IN

GALAX LEAVES

at Wholesale.

Orders filled promptly. Correspondence Solicited

Mention the Florists' Exchange when writing.

PREPARED TROPICAL PALMS AND CYCAS LEAVES



☞Send for Catalogue.

OSTERTAG BROS., Florists,
Washington and Jefferson Aves., **ST. LOUIS, MO.**

Mention the Florists' Exchange when writing

GALAX LEAVES

For latest prices green and bronze Galax Leaves and Leucothoe, address the Introducer,
HARLAN P. KELSEY,
Tremont Bldg., **BOSTON, MASS.**

Wild Smilax Is Now Arriving. Write for Prices.

Galax Leaves Brilliant Bronze or Green, $1.50 per 1000.

FANCY FERN, DAGGER FERN, Etc., at Market Prices.

HARRY A. BUNYARD, Mgr., 42 W. 28th St., New York

Mention the Florists' Exchange when writing.

HARDY CUT FERNS $1.00 per 1000.

Galax Leaves, Laurel Festooning,

And other Florists' Hardy Supplies. A Complete Stock Always on Hand.

HENRY M. ROBINSON & CO., 36 Court Square, BOSTON, MASS.

Mention the Florists' Exchange when writing.

WHERE TO BUY HOLLY

Place your order with PULLEN. Place it now for the very best grade of bright green foliage, well berried, fresh from the swamps.

Holly Wreaths. Only first-class materials used—fresh green leaves plentifully clustered with berries. In ordering be sure and state sizes wanted and number of berry clusters desired on each. Goods shipped at proper time or on your order, carefully packed. Prices are most reasonably low.

Nursery Stock. All varieties of fruit—Peach, Pear, Apple, Plum, Cherry, Apricot, Quince—every one warranted true to name. Have an extra fine block of Japanese Plum.

Plants. Can furnish anything you wish in plants.

☞**Goods are the best. Prices are low.**

Write for Particulars. **W. W. PULLEN, Nurseryman and Fruit Grower, MILFORD, Del.**

Mention the Florists' Exchange when writing.

J. K. ALLEN,
Wholesale Commission Dealer in
CUT FLOWERS
106 W. 28th Street, New York.
Orders by mail or telegraph promptly attended to. Telephone, 167 Madison Square.
Fine ROSES and CARNATIONS, Specialties.

HEADQUARTERS FOR NOVELTIES
Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
ORCHIDS A SPECIALTY.
JAMES McMANUS, Telephone, 759 Madison Square. 50 W. 30th St., NEW YORK

FRANK MILLANG,
Wholesale Commission Dealer in
CUT FLOWERS
408 E. 34th St., NEW YORK CITY.
Cut Flower Exchange.
Telephone Call, 299 Madison Square.

YOUNG & NUGENT, WHOLESALE FLORISTS
42 West 28th Street, New York.
SUPERB ORCHIDS, VIOLETS and VALLEY.
Choice Roses and Carnations, all leading varieties, also rare novelties.
SHIPPING A SPECIALTY. PRICE LIST ON APPLICATION.
Telephone 2065 Madison Square.

Growers Attention! "Always Ready to Receive Fine Stock."
WILLIAM H. GUNTHER,
30 WEST 29th SRTEET, - - NEW YORK.
VIOLETS. ROSES. CARNATIONS. ORCHIDS.
ESTABLISHED 1888.

A. H. LANGJAHR WHOLESALE COMMISSION FLORIST 19 Boerum Place, BROOKLYN, N. Y.
The New Yellow Chrysanthemum WALTER MOLATSCH will be in the market on Friday, October 26. The supply will last only ten days; price for best blooms, $2.25 per doz. This is one of the best yellows in the market; it obtained a certificate from the Chrysanthemum Society of America last season. Mail orders (for cash only) promptly attended to. Mention the Florists' Exchange when writing.

THE BUSY STORE
IS
J. K. ALLEN'S
Wholesale Commission Dealer
Telephone 167 Madison Square
106 West 28th St., NEW YORK
SPECIALTIES
Beauties, Brides, 'Maids, Violets, Valley, Carnations, Chrysanthemums, Lilies and all Bulbous Flowers.
ALWAYS ROOM FOR GOOD STOCK
Strict Attention to Business
CONSIGNMENTS SOLICITED
Mention the Florists' Exchange when writing.

ROSES VIOLETS
BLAUVELT BROTHERS
Wholesale Florists
49 West 29th St. New York
Telephone, 1309 Madison Square. Consignments Solicited.
SWEET PEAS CARNATIONS

Established 1891. 'Phone 1239 Madison Square.
G. E. BRADSHAW,
Wholesale Commission Florist.
Choice Cut Flowers,
53 WEST 28th STREET, - NEW YORK.
Bet. B'way and 6th Ave.

CUT FLOWER EXCHANGE
404-412 E. 34th St., N. Y., near Ferry.
Open every Morning at 6 o'clock for the Sale of Cut Flowers.
This is not a commission house; the market consists of individual stands.
Wall Space for Advertising Purposes to Rent.
J. DONALDSON, SECRETARY.

ALEX. J. GUTTMAN,
(Successor to Blauvelt & Guttman)
32 W. 29th St., NEW YORK,
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SPECIAL ATTENTION GIVEN TO SHIPPING ORDERS.
Consignments of Novelties and all Seasonable Flowers Solicited, and Returns Made Weekly.
57 West 28th Street, Telephone 2200 Madison Sq. NEW YORK.

Wholesale Prices of Cut Flowers, New York, October 26, 1900.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. Beauty, fancy—special	12.00 to 20.00	Carnations	Inf'r grades, all colors	.20 to .50
	" extra	8.00 to 10.00		Standard Varieties: White	.35 to .75
	" No. 1	4.00 to 6.00		Pink	.35 to .75
	" Culls & ordinary	1.00 to 3.00		Red	.35 to .75
	Bride, 'Maid, fancy—spc'l	4.00 to 6.00		Yel. & Var.	.35 to .75
	" extra	3.00 to 4.00		*Fancy— (*The highest grades of standard var.) White	1.00 to 1.50
	" No. 1	1.00 to 3.00		Pink	1.00 to 1.50
	" No. 2	.35 to .50		Red	1.00 to 1.50
	K. A. Victoria	3.00 to 6.00		Yel. & Var.	1.00 to 1.50
	La France	1.00 to 3.00		Novelties	4.00 to 6.00
	Liberty	2.00 to 10.00		Lilies	3.00 to 4.00
	Meteor	2.00 to 6.00		Lily of the Valley	2.00 to 4.00
	Papa Gontier	..... to		Mignonette—ordinary	.25 to 1.00
	Perle	1.00 to 2.00		" fancy	..... to .....
Adiantum		.50 to .75	Orchids—		
Asparagus		25.00 to 35.00		Cattleyne	15.00 to 40.00
Asters		..... to		Cypripediums	..... to .....
Callas		..... to		Dendrobium formosum	12.00 to 15.00
Chrysanthemums		2.00 to 4.00	Smilax		8.00 to 10.00
	fancy	10.00 to 20.00	Tuberoses		..... to .....
Daisies		..... to	Violets—ordinary		.35 to .50
Gladiolus		..... to		" fancy	.50 to .75

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Wholesale Commission Dealer in
CUT FLOWERS
39 West 28th Street, New York.
Receiving Extra Quality AM. BEAUTIES and all other varieties of Roses.
TELEPHONE, 902 MADISON SQUARE. CARNATIONS.

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Consignments Solicited. NEW YORK.
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AND FLORISTS' SUPPLIES.
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We have a fine grade of everything in market at present.
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Telephone 733 18th St.

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119-121 West 23d St.,
112-114 West 24th St,
Telephone, 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

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John I. Raynor,
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WHOLESALE FLORISTS
and CUT FLOWER EXCHANGE.
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Consignments Solicited.

JOHN YOUNG,
Wholesale Florist
51 West 28th St., New York.
CYCAS PALM LEAVES always on hand.
Mention the Florists' Exchange when writing.

Philadelphia.

The Market.

Most persons who handle cut flowers have been rather gloomy the past week, owing to large production and only a fair demand. The extreme warm weather is making everything bloom profusely, and the same conditions are keeping most of the flower buyers at their suburban residences. Some stores have been doing a fair business on orders for teas, etc., with a few wedding decorations, also.

A few weeks ago we were lamenting the late appearance of the chrysanthemums; now we have them galore. Prices range from $1 to $4 per dozen, a few selling at the latter price late in the week. Some Robinsons brought that figure, but they were good.

The demand being light, already we see many chrysanthemums on the street, mostly short-stemmed Glory of the Pacific. Everyone is hoping for colder weather, and then better conditions all round.

Roses, too, are away ahead of the demand. Beauty is piling up on the commission men; prices need not be quoted until better days come. The same may be said of all roses, excepting, possibly red, which are going well, the supply being small.

Carnations are selling fairly well, and the crop, so far, is not ahead of the market. Many growers around this locality have lost a great many carnation plants this season from stem rot, a few weeks after planting inside. Can any of our readers write a few lines on this subject, giving the chief cause of stem rot, and conditions to be guarded against, also suggesting any remedy to apply when the disease first makes its appearance among the plants? The varieties mostly affected are Flora Hill and White Cloud.

Notes.

W. P. Brinton, of Christiana, Pa., was in town the past week keeping in touch with the wholesale market, and learning the demands of the stores.

The Florists' Club bowling team defeated the strong Century Wheelmen bowling team on the florists' alley, Tuesday night, by 22 pins. It was a rattling good game and full of excitement until the last ball was rolled. DAVID RUST.

Boston.

The Market.

The cooler weather experienced the last week has been followed by unusually warm days, the first part of this week. Stock has been rushed along, until everything seasonable is in overstock, and the quality of the flowers is very poor. On Tuesday the thermometer reached 80 degrees, which is the highest ever recorded by the Weather Bureau for October 23.

Roses are very plentiful, but generally of poor quality, and move very slowly, the only outlet in any quantities being through the street men. Beauty fetch from $2 to $8 for smaller to fair grades; $8 to $12.50 for next sizes, and from $16 to $20 for finer ones, extras bringing $25, but the demand for them is light.

Bride and Bridesmaid continue small and rather poor, the latter losing its color, which was just getting to be what it should be, before this hot spell. Meteor, Morgan, and Liberty are in about the same conditions, and move slowly at 50c. to $3 per 100. Kaiserin and Carnot are of pretty good quality, but even for them the demand is not heavy, and prices run from $2 to $6 per 100.

Chrysanthemums are now very plentiful, and prices have suffered in consequence, Bergmann now average from $3 to $6 per 100. Pink, yellow and red sorts are not nearly so plentiful as white, and prices are slightly higher. Glory of the Pacific is the only variety in abundance, and these fetch from $4 to $6 per 100, extras making $8. In yellows, Marion Henderson is still the most plentiful, though Gold Lode and J. A. Lager have appeared. Robert Halliday, a fine newer variety, has been brought in of excellent quality in limited numbers by E. N. Pierce & Sons. The latter sold easily for $3 per dozen, but other yellows make but $10 per 100, or possibly $12 for finest flowers, with smaller sizes fetching from $4 to $8 per 100. Red ones are still scarce. William Nicholson is cutting a few nice ones.

Carnations are in good supply and are moving a little harder this week at prices ranging from $1 to $1.50 per 100 for good flowers, a few extras making $2; poorer grades sell at 50c. to 75c. A few good G. H. Crane, and some excellent Ethel Crocker, are being received.

Violets are becoming more plentiful, but the weather is against the quality, the double varieties are of poor color yet; they are moving much more slowly, at an average price of 50c. per 100 for finest grades, smaller and poorer ones selling at 35c.

News Notes.

The Horticultural Club held its regular monthly meeting on Thursday evening this week.

"Ned" Welch, of Welch Bros., has returned to his post after three weeks' illness with sciatic rheumatism.

Welch Bros. are receiving daily shipments of cattleyas. These are a staple article with this firm this season. It is expected that a better demand will be experienced here than heretofore. The trouble in the past has been that the supply was not steady.

Many expressions of sympathy have been heard from the numerous friends of the late Henry Butler, of New York. Mr. Butler was widely known in this city, and the news of his death was received with sorrow on all sides.

Hitchings & Co. have completed the work of putting in their larger tubular boilers at the Botanic Garden, Cambridge; H. H. Hunnewell's, Wellesley, and at the Bradley place at Hingham.

F. J. N.

Grand Rapids.

Frost has at last arrived, destroying all outdoor flowers, and in consequence trade is much more steady. Of late there has been considerable funeral work, which with a continuous shipping trade has kept a surplus from accumulating. Carnations are a trifle scarce. Roses are plentiful, while violets are blooming profusely. Their quality will improve when cooler weather sets in. Chrysanthemums are somewhat backward. The larger varieties will not be fit to cut for a week yet. Single stem plants, in 6-inch pots, will hardly be out in time to stage at the Chicago show; they are being hurried along as fast as possible.

If the Chicago exhibition could be postponed a week it would suit some exhibitors first rate. We expect to be well represented there. Crabb & Hunter will exhibit caruation Irene. The same firm will also stage another light pink seedling of great merit, No. 2. It is in its third year.

Carnations sell at 25c. per dozen; roses 75c. and $1; Beauty, $1.50 for medium to $2.50 for long-stemmed flowers. There are not many of the latter. Violets bring 20c. per dozen; quality is fair. Chrysanthemums run from 50c. and $1 to $1.50. When the larger varieties come in they will sell at 50c. to $1 more per dozen.

Three weeks ago Henry Smith started a carnation house 174 x 20 feet. It is now finished and planted to carnations, excepting one bench. G. F. C.

Denver.

Trade the past week has shown an improvement. Chrysanthemums are in pretty good supply, but they seem to go off fairly well, Robinson particularly; Beauty hold their own, notwithstanding the quantity of chrysanthemums. Liberty promises to be a favorite here; only a few are grown, but it takes. Carnations perhaps might be styled a little scarce, though each day the market is better stocked. Violets are plentiful, and the quality very good for this time of year.

A large church wedding on Wednesday last called for an elaborate decoration, the feature of which was an arch of white chrysanthemums. Honolulu pocket baskets were used on two large pillars on the chancel; they were filled with chrysanthemum plants and vines. The effect was very pretty. The job was handled by the Park Floral Co. DENVER.

...Wholeale Prices of Cut Flowers...

Prices quoted are by the hundred unless otherwise noted.

	Names and Varieties	Boston Oct. 25, 1900	Philadelphia Oct. 25, 1900	Baltimore Oct. 24, 1900	Buffalo Oct. 24, 1900	Toronto Oct. 22, 1900
Roses	A. BEAUTY, fancy—special	20.00 to 25.00	25.00 to 40.00	.... to	20.00 to 25.00	.... to ....
	" extra	12.50 to 16.00	15.00 to 30.00	.... to	15.00 to 20.00	.... to 25.00
	" No. 1	6.00 to 10.00	10.00 to 20.00	16.50 to 20.00	8.00 to 12.00	15.00 to 20.00
	" Culls & ordinary	1.00 to 6.00	5.00 to 10.00	8.00 to 12.00	4.00 to 6.00	5.00 to 10.00
	Bride, 'Maid, fancy—spc'l	.... to 4.00	5.00 to 8.00	.... to	.... to	.... to ....
	" extra	2.00 to 3.00	3.00 to 5.00	.... to	4.00 to 5.00	.... to 8.00
	" No. 1	1.00 to 1.50	2.00 to 4.00	4.00 to 5.00	2.00 to 3.00	.... to 6.00
	" No. 2	.50 to 1.00	1.00 to 6.00	2.00 to 3.00	1.00 to 2.00	1.00 to 3.00
	K. A. Victoria	2.00 to 6.00	2.00 to 8.00	3.00 to 5.00	2.00 to 6.00	.... to ....
	La France	.... to	2.00 to 8.00	3.00 to 5.00	.... to	.... to ....
	Liberty	1.00 to 3.00	.... to	.... to	.... to	.... to 15.00
	Meteor	.... to	2.00 to 6.00	3.00 to 4.00	1.00 to 5.00	2.00 to 6.00
	Papa Gontier	.... to	.... to	2.00 to 3.00	.... to	.... to ....
	Perle	1.00 to 3.00	2.00 to 4.00	2.00 to 3.00	1.00 to 3.00	1.00 to 4.00
	ORCHIDS—Cattleyas	20.00 to 25.00	25.00 to 40.00	.... to	.... to	.... to 25.00
	Cypripediums	.... to	.... to	.... to	.... to	10.00 to 15.00
	Dendrobium formosum	.... to	.... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	.50 to 1.00	.30 to .50	.75 to 1.00	.... to .75	.... to .75
	STANDARD VARIETIES White	1.00 to 1.25	1.00 to 1.50	1.25 to 1.50	1.00 to 1.25	1.00 to 1.50
	STANDARD VARIETIES Pink	1.00 to 1.25	1.00 to 1.50	1.25 to 1.5	1.00 to 1.25	1.00 to 1.50
	STANDARD VARIETIES Red	1.00 to 1.25	1.00 to 1.50	1.25 to 1.50	1.00 to 1.25	1.00 to 1.50
	STANDARD VARIETIES Yel.&Var.	1.00 to 1.25	1.00 to 1.5	.... to	1.00 to 1.25	1.00 to 1.50
	*FANCY— White	.... to 1.50	1.50 to 2.00	.... to	1.50 to 2.00	.... to ....
	(*The highest grades of standard var) Pink	.... to 1.50	1.50 to 2.00	.... to	1.50 to 2.00	.... to ....
	(*The highest grades of standard var) Red	.... to 1.50	1.50 to 2.00	.... to	1.50 to 2.00	.... to ....
	(*The highest grades of standard var) Yel.&Var.	.... to 1.50	1.50 to 2.00	.... to	1.50 to 2.00	.... to ....
	NOVELTIES	.... to 2.00	2.00 to 3.00	.... to	.... to	.... to ....
	ADIANTUM	.... to .50	.75 to 1.00	.... to 1.00	.75 to 1.00	.... to .50
	ASPARAGUS	25.00 to 50.00	25.00 to 50.00	.... to 25.00	50.00 to 60.00	30.00 to 60.00
	ASTERS	.... to	.... to	.... to	.... to	.... to ....
	CALLAS	3.00 to 5.00	.... to	6.00 to 8.00	.... to	.... to ....
	CHRYSANTHEMUMS	3.00 to 5.00	8.00 to 25.00	3.00 to 8.00	6.00 to 8.00	5.00 to 10.00
	" Fancy	6.00 to 12.50	25.00 to 30.00	10.00 to 15.00	12.00 to 15.00	.... to 15.00
	DAISIES	.... to	.... to	.... to	.... to	.... to ....
	GLADIOLUS	.... to	.... to	.... to	.... to	.... to ....
	LILIES	.... to	.... to	.... to	.... to	5.00 to 7.00
	LILY OF THE VALLEY	3.00 to 4.00	2.00 to 5.00	.... to	3.00 to 4.00	3.00 to 4.00
	MIGNONETTE—ordinary	1.00 to 2.00	.... to	.... to	.... to	.... to ....
	" fancy	.... to	.... to	.... to	.... to	.... to ....
	SMILAX	8.00 to 10.00	12.00 to 15.00	10.00 to 25.00	10.00 to 15.00	12.50 to 25.00
	TUBEROSES	.... to	.... to	.... to	.... to	.... to ....
	VIOLETS—ordinary	.35 to .50	.50 to .75	.... to .40	.40 to .50	.40 to .60
	" fancy	.60 to .75	.75 to 1.00	.... to	.60 to 1.00	.75 to 1.00

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GEO. M. MOSS, Wholesale Florist, 32 South 17th St., PHILADELPHIA, PA. Long Distance 'Phone, 14330 D. Consignments of choice ROSES, CARNATIONS, VIOLETS, solicited. Fine VALLEY in stock at all times.

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Mention the Florists' Exchange when writing.

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Mention the Florists' Exchange when writing.

St. Louis.

Weather and Trade News.

The weather here is still comparatively warm; no hard frosts have been experienced, and lots of outdoor stock make business rather inclined to drag. Wedding decorations seem now to be the principal work of the retail florist.

The past week roses were a great glut on the market. They were selling as low as $5 per 1,000 in large lots, and even at that figure were not all disposed of. The quality is not extra, considerable mildew being seen on many of the flowers. The supply of carnations has increased, and is now nearer equal to the demand. These flowers still sell at 1 to 2c. Violets are plentiful, also cosmos; chrysanthemums are coming in more freely; the best bring 15 to 25c. down to as low as 6c. Beauty roses are in supply sufficient for the present demand; highest price realized is $2.50 per dozen.

Notes.

Walter Krausnick, one of the latest to enter the business, has already outlined his policy, which seems to be to cater to the wants of the masses. With this end in view, he has, we hear, opened a stand in two of our large department stores, with more to follow. These cheap places may be good for working off a lot of stock that otherwise would be thrown away, but they certainly demoralize the business in general. For instance, at one of those stands roses were marked at 50c. per dozen, last week, quite a difference between that figure and $1 per dozen, which is the lowest price at which some of our best florists ever sell roses, no matter how low the wholesale price is.

Invitations are out for the show banquet, which takes place on November 3.

C. C. S.

Chicago.

State of Trade.

There is an abundance of stock of all kinds, but excepting in cosmos or something of that kind, most of the dealers manage to clear out; we wish we could say at satisfactory prices to growers, but on all sales except the highest grades concessions are made, or the fakirs would not expose as good stock as can be seen on the street.

In roses, good Beauty are now obtainable; choice long-stemmed flowers, realizing $2.50 to $3 per dozen.

Carnations are abundant, and the quality is improving.

Some Soleil d'Octobre chrysanthemums were received by Kennicott on the 16th—the best up to that date. At first they sold at $4.50 to $5. Heavier stocks have arrived this week, including Yellow Queen and white and yellow Robinson, and very fine flowers have been sold at $3 to $3.50. Lots of the early varieties are still around, the price for same ranging from $1 to $2. Heavy shipments are expected from this on.

Club Meeting.

It being the annual meeting, a goodly attendance was present on the night of October 19. The following new members were elected: Paul Retzer, W. G. Retzer, Frank Wieners and C. Nielson. The thanks of the club were passed for the presentation, from the New York Florists' Club, of a copy of the S. A. F. souvenir. The executive committee was instructed to try and obtain a suitable room for the club for Tuesday, instead of Friday, which was considered a more favorable night to secure attendance at the meetings. The following officers were elected for the ensuing year: President, Andrew McAdams; vice-president, George Woodward; recording secretary, Charles A. Hunt; financial secretary, Edgar F. Winterson; treasurer, Edgar Sanders; executive committee, Ernst Wienhoeber, G. L. Grant, John Reardon, Willis N. Rudd, and John Degnan.

Ernest Weber read a paper on "The Violet." J. S. Wilson's deferred paper on "The Boston Fern" will be given at the next meeting. The installation of officers takes place same night.

The treasurer reported having transmitted draft for $286.90, to Sealy, Hutchings & Co., bankers, Galveston, Texas, being contributions from the craft here to the relief fund of the Galveston florist sufferers; and that he had opened a second list since for additional subscriptions. Of these Adolph H. Poehlmann had given $5 and Miss Christopherson $1.

After the meeting quite a number adjourned to the bowling alley.

Auction Sales.

It is thought by many that the time is ripe here for the inauguration of auction sales similar to those held in New York and elsewhere. As a beginning, on Wednesday and Thursday, the Harms Park Floral Co. sold at auction without reserve, 29,500 palms, 5,000 Asparagus plumosus and 1,875 Boston ferns, at McKellar & Winterson's rooms, 45-49 Wabash Avenue.

This firm in question is a new one, which commenced business September 1. It is composed of A. B. Everett, E. R. Tauch, Louis Gregor (the two former were with Walter Retzer & Co.) and William Everett as partners.

Round About.

A. H. Poehlmann, whose greenhouses are at Morton Grove, opened a wholesale store at 49 Wabash Avenue, October 18, with Charles S. Stewart as manager.

Peter Reinberg is cutting some excellent chrysanthemums which make Manager Archie Spencer happy.

Vaughan's seed store window is gay with all kinds of vegetables, a veritable harvest scene just now.

George Baldwin is laying out grounds belonging to Miss Adams, in Wheaton, Ill.

The Wittbolds have a reception decoration for Mr. A. M. Rothschild that, among other material, will take 1,000 Beauty roses. They also have the decoration of the Coliseum Building, where 3,000 are to banquet after the prosperity parade on Wednesday next.

Arthur H. Luck, with the Iowa Seed Co., Des Moines, Iowa, is in town, and reports good business. Ess.

E. H. HUNT,
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Wholesale Commission Jobbers
In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work.
45, 47, 49 WABASH AVENUE, - - CHICAGO, ILL.

...Wholesale Prices of Cut Flowers...

Prices quoted are by the hundred unless otherwise noted.

	Names and Varieties	Chicago Oct. 23, '00	St. Louis Oct. 23, '00	Cincinnati Oct. 16, '00	Milwaukee Oct. 23 '00	Pittsburg Oct. 23, '00
Roses	A. BEAUTY, fancy—special	20.00 to 25.00	.... to	.... to 25.00	20.00 to 25.00	15.00 to 25.00
	" extra	10.00 to 15.00	12.50 to 15.00	.... to 20.00	10.00 to 15.00	12.00 to 14.00
	" No. 1	6.00 to 8.00	8.00 to 10.00	10.00 to 15.00	6.00 to 8.00	5.00 to 6.00
	" Culls & ordinary	3.00 to 5.00	5.00 to 6.00	.... to	3.00 to 4.00	3.00 to 4.00
	Bride, Maid, fancy-spec'l	.... to 5.00	.... to 4.00	4.00 to 5.00	.... to 4.00	4.00 to 6.00
	" extra	3.00 to 4.00	.... to 3.00	.... to 4.00	.... to 3.00	3.00 to 4.00
	" No. 1	1.00 to 2.00	.... to 2.00	.... to 3.00	.... to 2.00	2.00 to 3.00
	" No. 2	.... to	.... to 1.50	.... to 2.00	.... to 1.00	1.00 to 2.00
	K. A. Victoria	3.00 to 5.00	2.00 to 4.00	.... to	.... to 4.00	2.00 to 8.00
	La France	.... to	.... to	.... to	.... to	2.00 to 3.00
	Liberty	3.00 to 4.00	2.00 to 4.00	.... to	.... to 4.00	2.00 to 4.00
	Meteor	2.00 to 5.00	2.00 to 5.00	2.00 to 8.00	2.00 to 4.00	2.00 to 6.00
	Papa Gontier	.... to	.... to	.... to	.... to	.... to ....
	Perle	2.00 to 4.00	2.00 to 4.00	.... to 3.00	3.00 to 4.00	2.00 to 4.00
	ORCHIDS—Cattleyas	40.00 to 50.00	.... to	.... to	.... tr	.... to ....
	Cypripedium	.... to	.... to	.... to	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	.50 to .75	.75 to 1.00	.50 to .75	.... to 1.00	.50 to .75
	STANDARD VARIETIES White	1.00 to 1.50	.... to 1.25	1.25 to 1.50	.... to 1.00	.75 to 1.00
	STANDARD VARIETIES Pink	1.50 to 2.00	.... to 1.25	1.25 to 1.50	.... to 1.00	.75 to 1.00
	STANDARD VARIETIES Red	1.50 to 2.00	.... to 1.25	1.00 to 1.25	.... to 1.00	.75 to 1.00
	STANDARD VARIETIES Yel.&Var.	1.25 to 1.50	.... to 1.00	1.00 to 1.25	.... to 1.00	.75 to 1.00
	*FANCY— White	.... to	1.50 to 2.00	.... to	1.50 to 2.00	1.25 to 1.50
	*FANCY— Pink	.... to	1.50 to 2.00	.... to	1.50 to 2.00	1.25 to 1.50
	*FANCY— Red	.... to	1.50 to 2.00	.... to	1.50 to 2.00	1.25 to 1.50
	*FANCY— Yel.&Var.	.... to	1.50 to 2.00	.... to	1.50 to 2.00	1.25 to 1.50
	NOVELTIES	.... to	.... to	.... to	1.50 to 2.00	.... to ....
	ADIANTUM	.75 to 1.00	.75 to 1.00	.... to 1.00	.... to .75	.75 to 1.00
	ASPARAGUS	40.00 to 50.00	.... to	.... to	30.00 to 40.00	30.00 to 50.00
	ASTERS	.... to	.... to	.... to	.... to	.... to ....
	CALLAS	.... to	.... to	.... to	.... to	.... to ....
	CHRYSANTHEMUMS	8.00 to 12.00	8.00 to 8.00	.... to	6.00 to 8.00	4.00 to 8.00
	" Fancy	16.00 to 25.00	10.00 to 15.00	12.50 to 15.00	12.50 to 20.00	12.00 to 16.00
	DAISIES	.25 to .30	.... to	.... to	.... to .50	.... to ....
	GLADIOLUS	.... to	.... to	.... to	.... to	.... to ....
	LILIES	6.00 to 8.00	.... to	.... to	.... to	.... to ....
	LILY OF THE VALLEY	3.00 to 4.00	3.00 to 4.00	.... to 4.00	.... to 4.00	2.00 to 4.00
	MIGNONETTE—ordinary	.... to 1.00	.... to	.... to	.... to 3.00	.... to ....
	" fancy	2.00 to 4.00	.... to	.... to	.... to	.... to ....
	SMILAX	10.00 to 12.50	12.50 to 15.00	10.00 to 15.00	10.00 to 12.50	10.00 to 15.00
	TUBEROSES	.... to	3.00 to 4.00	.... to	.... to	.... to ....
	VIOLETS—ordinary	.40 to .50	.25 to	.... to .25	.... to .50	.10 to .20
	" fancy	.75 to 1.00	.... to .35	.35 to .50	.... to .75	.30 to .50

Pittsburg.

Trade Notes.

The week just past was a fine one as regards weather—real Indian Summer; for several days, the thermometer being in the eighties. At last we had a pretty good rain, the first one of any account since June. Stock is abundant, and trade satisfactory. Chrysanthemums are plentiful, and some very choice blooms are coming in. Wholesale prices range from 5c. to 20c., and retail values at from 75c. to $4 per dozen. Roses are doing well, and are in fair demand, particularly Beauty. White carnations are a little short. Dahlias are done; many have been used the past few weeks. Smilax is rather scarce.

Here and There.

L. I. Neff has about finished the improvements in his storeroom.

During the past year almost every florist's store in the city has undergone changes for the better, and all are now up-to-date.

C. T. Siebert has a fine lot of young palms coming on; his carnations and roses are in fair condition. Siebert's glazing points have taken a firm hold with the trade; everyone who has tried them will have no other; they certainly fill a long-felt want.

The Phipps conservatories in Pittsburg and Allegheny Parks are preparing for the annual chrysanthemum shows which promise to be better than ever.

E. C. REINEMAN.

E. C. AMLING,
The Largest, Best Equipped, Most Centrally Located
Wholesale Cut-Flower
House in Chicago.
32, 34, 36 Randolph St., CHICAGO, ILL.

BASSETT & WASHBURN,
Wholesale Dealers and Growers of
CUT FLOWERS
76 WABASH AVE., CHICAGO, ILL.
Greenhouses at Hinsdale, Ill.
L. D. 'Phone at Chicago, Main 223.
L. D. 'Phone at Hinsdale, No. 10.

J. B. DEAMUD,
Successor to Illinois Cut Flower Co.
Wholesale Cut Flowers
CONSIGNMENTS SOLICITED.
51 and 53 Wabash Ave., CHICAGO.

WIETOR BROTHERS
SUCCESSORS TO
ROGERS PARK FLORAL CO.,
Wholesale Growers of Cut Flowers
OFFICE AND SALESROOM,
51 WABASH AVE., CHICAGO.
Headquarters for AMERICAN BEAUTIES.

H. G. BERNING,
Wholesale Florist
1322 Pine Street,
ST. LOUIS, MO.

C. A. KUEHN,
WHOLESALE FLORIST,
1122 Pine St., St. Louis, Mo.
A COMPLETE LINE OF WIRE DESIGNS.

HOLTON & HUNKEL CO.,
WHOLESALE FLORISTS
AND FLORISTS' SUPPLIES.
Manufacturers of Wire Designs.
457 Milwaukee St. MILWAUKEE, WIS.
'Phone Main 574. P. O. Box 108.

Wholesale Cut Flowers
AND
Florists' Supplies.
C. C. POLLWORTH CO., Milwaukee, Wis.

CARNATION BLOOMS
Of all leading varieties now ready.
Let us figure on your wants.
CHICAGO CARNATION CO., Joliet, Illinois.

E. G. HILL & CO.
Wholesale Florists
RICHMOND, INDIANA.

Mention the Florists' Exchange when writing.

FOREST TREES

We offer for sale the largest stock of Forest Trees in this country, Sugar, Norway, Sycamore, Silver Leaf and other Maples by the thousands. Also Lindene Poplars, Elms, Willows, Mt Ash, etc., in large quantities, as well as a general stock of other nursery products. Address

STEPHEN HOYT'S SONS, - New Canaan, Conn.

Mention the Florists' Exchange when writing.

PANSY PLANTS

Giant, fine mixed, very strong, per 1000, $3.00.

Orders not solicited for less than 500. Special prices on 10,000 or more, buyer to pay express charges. Cash must accompany order.

JOHN LAPPE, - Maspeth, L. I.
The Largest Pansy Grower in America.

Mention the Florists' Exchange when writing.

PANSIES

The Jennings Strain.

My 1900 strain cannot be excelled; plants, finest mixture, 60c. per 100, by mail; $4.00 per 1000, by express. Seed, $1 per pkge.; $5 per oz. Cash with order.

E. B. JENNINGS, Lock Box 254. Southport, Conn.
Grower of the finest Pansies.

Mention the Florists' Exchange when writing.

VAUTIER'S

MAMMOTH PANSY

New crop seed now ready. This is the largest and finest Pansy ever offered. We have testimonials from florists from all parts of the U. S praising its size and merits. Trade packet, $1.00; oz., $4.00.

H. G. FAUST, 64 and 66 N. Front St., Philadelphia, Pa.

Mention the Florists' Exchange when writing.

PANSY PLANTS

Of finest strains, per 1000, $4.00.

VINCA MAJOR Fol. Variegata, strong clumps from field, per 100, $6.00.

CANNA ROOTS 1-3 eyes as they drop while digging, per 1000, $10.00.

FOR CASH.

WILLIAM STUPPE, Hollis, L. I., N. Y.

Mention the Florists' Exchange when writing.

Zirngiebel Giant Pansy

PLANTS NOW READY.

Giant Market, $5.00 per 1000. Giant Fancy, $10.00 per 1000. Also Seeds of the above strains, trade packages at $1.00 each.

DENYS ZIRNGIEBEL, Needham, Mass.

Mention the Florists' Exchange when writing.

PANSIES

My strain is good and embraces a wide range of colors and varieties, 60 cts. per 100 by mail. $3.50 per 1000 by Express.

Hardy Plants at low prices, such as Veronica, Coreopsis, Funkia, Phlox, Columbine, Larkspur, Helenium, etc. Write for prices on quantities needed. Cash with orders please.

W. C. JENNISON, Natick, Mass

Mention the Florists' Exchange when writing.

Roemer's Superb Prize

PANSIES

PLANTS READY NOW.

Free by mail, 65 cts. per 100; 250 for $1.50. By express, $4.00 per 1000; $7.00 per 2000; $10.00 per 3000; $15.00 per 5000.

CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.
Grower of Extra Fine Pansies.

Mention the Florists' Exchange when writing.

$3.00 Per 1000

GIANT PANSIES { Roemer's. Trimardeau.

HARDY DAISIES { Longfellow. Snowball.

CALIFORNIA PRIVET,
Well branched, $2.50 per 100; $20.00 per 1000.

BOSTON FERNS,
2½ in. pots, 2½ cts. each. Cash, please.

BYER BROS., Chambersburg, Pa.

Mention the Florists' Exchange when writing.

Carnations in Vermont.

Carnations grew nicely in the field during the past Summer, and are now well established in the benches. Mrs. Lawson, Ethel Crocker, Morning Glory and Glacier take the lead for large, well-formed stocky plants. The Marquis grew well, but looked rather unhealthy when housed, the leaves being somewhat spotted. The plants seem to have outgrown the trouble. G. H. Crane died out badly in the field—I suppose from stem rot; but I have hardly lost a plant of any other variety. Scott and McGowan have done their best to prove themselves worthy of a place alongside the newer varieties. Bradt and Maceo are rather small, but the former is growing well, and already is showing some fine blooms. I learned last Winter that Maceo would produce more flowers, according to the size of the plants, than any other variety I have tried. It blooms from the time it is housed until thrown out next Fall. Daybreak, Gomez and Gold Nugget are very good. White Cloud is large, but I have not housed many, as my experience with it last Winter was a great deal of plant but not many blossoms. I think it may do better the coming winter in a lighter house. Glacier is short-stemmed at present, but will improve in this respect later. I think it a very profitable carnation for a grower who has a retail trade.

H. J. BALL.

Cleveland.

Trade Notes.

The weather for the past ten days has been mild, and at this writing, October 23, it is more like a May day than an October day. Little rain has fallen so far this Fall, and a warm shower October 22 seemed to revive all kinds of vegetation. We have had but one frost so far, and that so slight that it did little damage.

Trade is reported brisk and most satisfactory. The demand among the growers and wholesale dealers is good and the supply quite equal to present requirements.

Chrysanthemums are becoming more plentiful, and the blooms of some varieties are very fine. The best flowers bring 35c. each at retail, and prices per dozen range from $1 to $4, Bergmann of inferior grade going at the lower figure.

Roses seem to be in good supply, but the blooms are small yet, and prices for common stock do not vary from rates quoted in my former letter. Some very good Beauty are received every day, and fetch from $5 to $20, according to grade.

Carnations show a marked improvement in quality of late, and best flowers command $1 to $1.50 per hundred.

Violets are getting more plentiful, and 50c. per 100 seems to be the outside figure for local grown stock. Retail prices are $1 and $1.50 per 100. Dahlia blooms and a few spikes of gladiolus are still in evidence. Cosmos are offered in large quantities, and the blooms were never finer; the price has dropped from $1.50 to $1 per 100.

Notes.

C. M. Wagner, Erie Street, has been making some alterations and improvements in his store. The addition of a new wall case, the entire refinishing of the fixtures in Ivory and gold, the sidewalls in Nile green, and ceiling in a yellow tint, give it a very pleasing effect, and an attractive appearance.

One of the closing features of the "Home Week" program was a Floral Festival and Promenade, in the spacious storeroom in the Rose Building, at Prospect and Erie Streets, on Friday and Saturday evenings, 12th and 13th inst. The floral decorations were extensive and consisted of wild smilax, palms, laurel wreathing (2,000 yards being used), and immense quantities of cut flowers. The affair was a complete success, and attracted thousands of people. The decoration was in charge of Ella Grant Wilson.

Smith & Fetters' fourth annual opening occurred on Thursday, Friday and Saturday of last week, and an elaborate announcement that had been issued a few days previous served to attract hundreds of people. Their store was resplendent in an array of electric lights among banks of choice ferns, palms and cut flowers. Table and wedding decorations were among the features of the display.

G. A. T.

CARNATIONS Evelina, John Young, Albertini, Mrs. Dean, Webb, Empress, John's Scarlet, White Cloud. Many plants have 25 flower shoots. $1.00 per 100 or 500 plants for $18. Last call!

ALBERT H. BROWN, - Westboro, Mass.

Mention the Florists' Exchange when writing.

FIELD-GROWN CARNATIONS

2000 Eldorado, 1500 McGowan, 400 Nivea, $2.50 and $3.50 per 100; 250 each Daybreak and Victor, 500 each Portia, Dana and Gold Nugget, 300 each Bridesmaid and Evanston, 100 Kitty Clover, $3.50 and $4.50 per 1000. Cash.

E. A. LLEWELLYN, Olean, N. Y.

Mention the Florists' Exchange when writing.

CARNATION PLANTS

We have a few thousand SCOTT and FISHER which we are offering at $3.00 per 100, to close out.

UNION ST. GREENHOUSE CO., Geneva, N. Y.

Mention the Florists' Exchange when writing.

Carnations A bargain in Flora Hill, New York and Evelina at $3.50 a 100. Also Scott, John Young, Genessee, Freedom, Miriba, Murillo and Dazzle, at $2.50 per 100.

Roses We still have some Bridesmaids from 3 inch pots, at $2.50 per 100 to close out.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

CARNATIONS

F. DORNER & SONS CO., La Fayette, Ind.

Mention the Florists' Exchange when writing.

2500 CARNATIONS!

Scott, Daybreak and McGowan,
At $30.00 per 1000.

Z. D. BLACKISTONE, 14th and H Sts., N. W.,
WASHINGTON, D. C.

Mention the Florists' Exchange when writing.

CARNATIONS

Field-grown, strong, healthy plants Eldorado, Scott, McGowan and Portia, $4.00 per 100.

MARIE LOUISE AND CALIFORNIA VIOLETS
Fine clumps, 5c. each.

GEO. F. CURWEN, Villa Nova, Del. Co., Pa.

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MARQUIS

CARNATIONS, Field-Grown.

$10.00, to close balance of stock.

L. E. MARQUISEE, - Syracuse, N. Y.

Mention the Florists' Exchange when writing.

CARNATION PLANTS ALL SOLD.

Ready to book your orders for rooted cuttings of all the leading varieties for Spring delivery. Let me quote you prices before placing your orders.

WM. MURPHY, Wholesale Carnation Grower,
Sta. F., CINCINNATI, Ohio.

Mention the Florists' Exchange when writing.

CARNATIONS

WM. SWAYNE, Kennett Square, Pa.

Mention the Florists' Exchange when writing.

100,000 Carnation Plants

LARGE, HEALTHY, FIELD-GROWN PLANTS.

	Per 100	Per 1000
WM. SCOTT	$2.50	$20.00
McGOWAN	2.50	20.00
EVELINA	2.50	20.00
ARMAZINDY	2.50	20.00
NIVEA	2.50	20.00

Orders for less than 50 of any variety not accepted.

PETER REINBERG,
51 Wabash Ave., Chicago, Ill.

Mention the Florists' Exchange when writing.

CARNATIONS

Field-Grown Plants.

GENEVIEVE LORD Only 1000 extra fine plants still left. These plants are under cover, safe from frost. We recommend it as fitting success to Wm. Scott, and the most profitable pink carnation ever offered to the trade. Per 100, $12; 200 or more, at $10; 500 at $7.50.

James Whitcomb Riley, $12 per 100. Also a few Daybreak, Pingree and Wm. Scott, fine plants, to close out, $5.00 per 100.

H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

CARNATIONS

10,000 Stock Plants of ETHEL CROCKER.

Other varieties in proportion. Let me figure on your orders, I'll make it worth the trouble of writing for prices now.

AGERATUM "STELLA GURNEY"

From pots or rooted cuttings, by the 100 or 1000.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

LAST CALL!

CARNATION PLANTS!

Scott, McGowan, Pingree, Evelina, $2.00 per 100; $20.00 per 1000.

Argyle, $2.00 per 100; $18.00 per 1000.

ROSE PLANTS.

Meteor, Bridesmaid, Bride { Large, strong plants, $2.50 per 100; $20.00 per 1000.

GEORGE REINBERG,
51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing.

4 ACRES FIELD-GROWN CARNATION PLANTS—120,000

MAYOR PINGREE MAUD ADAMS DOROTHY SWEET ALBERTINI
CRIMSON SPORT JUBILEE MRS. FISHER C. A. DANA
ELDORADO McGOWAN L. L. LAMBORN SWEET BRIER PORTIA

$1.00 PER DOZEN; $4.00 PER 100.

Mention this paper. J. L. DILLON, BLOOMSBURG, PA.

Buffalo.

Weather and Trade.

The first actual frost of this season showed up on Wednesday morning, October 17. The weather has warmed again since, and Tuesday of this week brought a desired rain.

Aside from carnations being a bit scarce, the supply of flowers at present seems to fully meet all needs. Good Bridesmaid retail at from 10c. to 15c. each, chrysanthemums in smaller size, $1.50 per dozen, with $3 to $4 per dozen asked for select ones. Orchids have been seen in window displays, quite ample of late for this town.

The retail trade for October is reported good from most all sides. Charles D. Zimmerman is practically the only retail man so far making a display of Dutch bulbs, for which he mentions active demand. The local nursery trade is a feature of his business. In this he says the demand seems more active than in some years.

With Palmer & Son repainting and enamelling their store furniture has been a recent process. A carte-blanche wedding decoration was executed by this firm on Wednesday of this week. Yellow and white was the general color scheme employed, largely done with chrysanthemums and Perle roses, over eight hundred of the latter being used.

Jottings.

W. F. Kasting has removed his office to the extreme rear of his store, thereby giving more working space in front, where it is much needed.

A slender attendance was the existent feature of last Wednesday's club meeting, and an aim will be made to act locally on 1901 convention details at a later meeting. Meanwhile, the executive committee of the club, with some additions, has been directed to meet with the view of recommending general outlines of action.

Pan-American matters take on increasing interest daily. The weather has favored progress on all work, and the leading buildings for the most part are now roofed in. Some surprises await the eye there now. One is the large size of the Horticultural Building, now well under way. Outside scaffolding has been removed from portions of several of the large buildings, and a foreknowledge of the color scheme to be generally employed is noticeable.

Some excellent lawn has been grown from the early Summer seeding. The hardy rose exhibits have finished up a good growth in canes, varying from 3½ feet to a foot higher. Considerable planting of hardy perennials has been done here and there, and shows a fairly established look.

R. L. Greenlaw, of Boston, was a caller on Saturday last. VIM.

Toronto.

A Killing Frost.

We had a very sharp frost here early last week, which cut off nearly all outside flowering plants.

Large quantities of bulbs for Spring flowering have been planted this Fall.

Business is fairly good, with stock getting plentiful. Roses are coming in freely, chrysanthemums are also becoming both good and abundant, but are still bringing satisfactory prices.

Club News.

The October meeting of the Gardeners and Florists' Association was held Tuesday. The chrysanthemum show and its management took up most of the time of the meeting. George Mills will again be superintendent; Messrs Ewing, of Berlin, and W. Scott, of Buffalo, will be the judges. The dates fixed for the show, November 7, 8, 9 and 10, are thought by some to be too early, but others consider it would be a mistake to postpone the exhibition to a later period, for the weather often turns very cold after that time, and few growers like to take the risk of moving their stock to the hall.

Large quantities of Japan longiflorum bulbs arrived here this Fall, also a very large stock of azaleas. The latter generally are very fine plants. There is also a considerable quantity of hedge plants being set out, privet being much in demand. T. M.

Hazleton, Pa.

Councilman Howard Smith, florist, has put in operation a new delivery wagon which is the admiration of the town.

MARRIED.

UNDERHILL-FINCH.—At Fort Ann, N. Y., October 17, George Hull Underhill, of Watertown, N. Y., was married to Miss Kathryn Norris Finch. The young couple will be "at home," after November 20.

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Importer, Jobber and Manufacturer of
FLORISTS' SUPPLIES
Telephone, 1747 A, Madison Square.
108 West 28th St., Near 6th Avenue, New York City.
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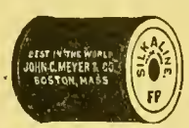
SHEEP MANURE
Cleaned and Prepared Expressly for Florists' Use.
You will find it the genuine article. For reference as to its being first-class, I refer you to Henry F. Michell, 1018 Market Street, Philadelphia, Pa. Trial bags of 150 lbs., $2.50; per ton, $25.00. One quarter ton at ton rate. CASH WITH ORDER.
GODFREY ASCHMANN, 1012 Ontario Street, Philadelphia, Pa.
Mention the Florists' Exchange when writing.



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to S ring your Smilax, when you use the
Meyer Green Silkaline.
Samples and prices free
FOR SALE BY LEADING JOBBERS.
JOHN C. MEYER & CO., 80-84 Kingston St., Boston, Mass
Mention the Florists' Exchange when writing.

RED STANDARD **POTS**
CORRECT SIZE. SUPERIOR QUALITY.
LOWEST PRICES
Write for List.
C. HENNECKE CO., MILWAUKEE, WIS.
Mention the Florists' Exchange when writing.

The Jennings Improved Pans
For vaporizing Tobacco Water and Tobacco Extracts.
Made for any sized steam pipe.
Write for price, also circular.
JENNINGS BROS., Olney, Phila., Pa.
Mention the Florists' Exchange when writing.

GEORGE RIPPERGER,
SHEEP MANURE
I have now on hand a large quantity of A1 SHEEP MANURE.
Send for PRICE LIST and SAMPLE.
Best Fertilizer for Top Dressing.
Office, 207 Academy St., Factory, Seventh St., LONG ISLAND CITY.
Mention the Florists' Exchange when writing.

TOBACCO DUST
100 lbs., $1.00; 200 lbs., $1.75; 500 lbs., $3.75; 1000 lbs., $7.00.
NARCISSUS, Emperor, $3.00 per 100; Princeps, $7.00 per 1000; Trumpet Major, $7.75 per 1000.
FREESIAS, large, $1.00 per 1000.
CHINESE LILIES, $1.40 per basket.
Griffith & Turner Co., Seedsmen, Balto., Md.
Mention the Florists' Exchange when writing.

MASTICA
FOR GLAZING GREENHOUSES.
Proven superior to putty. Easier to apply and stays on. Not effected by extremes of weather. Endorsed by prominent florists. Send for descriptive circular of Mastica and Mastica Glazing Machines.
F. O. PIERCE CO., Sole Manufacturers, 170 Fulton St., New York.
Mention the Florists' Exchange when writing.



YOU SHOULD KNOW WHAT NOTED GROWERS SAY
Imperial Liquid Plant Food DOES.
Inodorous, not expensive. Full information, booklets, prices on request. Leading Eastern Dealers handle it. Eastern Chemical Co., Mfrs., 620 Atlantic Avenue, Boston, Mass.
Mention the Florists' Exchange when writing.

U. C. Ryerson, of Newark, Pays the Freight!
TOBACCO STEMS AND DUST
Guaranteed Extra Strong and Fresh
Stems, bales, 150 to 500 lbs., 75 cts. per 100. Dust, packages, 25-50-100 lbs., 3 cts. per lb
U. CUTLER RYERSON, 108 Third Ave., Newark, N.J.
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FRUIT AND FLOWER PLATES
Seed Packets and Supplies of all kinds for NURSERYMEN, FLORISTS and SEEDSMEN
SEND FOR PRICE LIST.
Stock Cuts, 10c. per square inch. Engraving by all processes. Printing and lithographing.
Illustrated Catalogues a Specialty.
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HEADQUARTERS FOR
COCOA FIBRE, SHEEP MANURE, BONE, all grades, IMPORTED SOOT, CLAY'S FERTILIZER, SPHAGNUM and GREEN MOSS, RUSTIC WORK, all kinds.
DUNNE & CO. 54 West 30th St. New York.
HORTICULTURAL SUPPLIES.
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Sulpho-Tobacco Soap
COMBINING the qualities of an absolute insect exterminator with those of a vigorous fertilizer. Recommended and in use by the foremost florists and nurserymen in the land. For Sale at the Seed Stores.
ROSE MFG. CO., Niagara Falls, New York.
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A New Catalogue entitled
Flowers AND Floral Designs
Twelve pages and handsome cover
Shows forty-one arrangements, with prices.
For agents' use or promoting out-of-town trade.
Sample, 40c. in stamps. Circular Free.
DAN'L B. LONG, Publisher, BUFFALO, N. Y.
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NOW IS THE TIME TO BUY
CANE STAKES
8 to 10 feet long.
$5.00 per 1000; 5000 for $20.00.
We are headquarters for Galvanized and Dowel Stakes.
HENRY F. MICHELL
1018 Market St., Phila.
WHOLESALE PRICE LIST OF SEEDS, BULBS &c. ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS
Mention the Florists' Exchange when writing.

WARD'S CELEBRATED FERTILIZER
Odorless, in tablets, for house plants. Enough for fifty plants sent by mail for 10 cents, by
VAUGHAN'S SEED STORE,
CHICAGO, 84 and 86 Randolph St. NEW YORK, 14 Barclay Street.
Mention the Florists' Exchange when writing.

We have facilities everywhere } FOR HANDLING COLLECTIONS FOR SECURING REPORTS....
FOR INFORMATION WRITE
THE NATIONAL FLORISTS' BOARD OF TRADE.
C. B. LODER, Sec'y, 271 Broadway, New York.
Mention the Florists' Exchange when writing.

Florists'
Supplies of all kinds for Store and Greenhouse; best quality Cycas Leaves at reduced cost; grand assortment of Metal Designs; Cycas and natural foliage wreaths in new styles; Cape Flowers, etc. Send for new list.
AUGUST RÖLKER & SONS, 52 DEY ST., NEW YORK.
Mention the Florists' Exchange when writing.

FLORISTS BOXES

THE J. W. SEFTON MFG. CO.
241-247 S. JEFFERSON ST. CHICAGO, ILL.
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SPRAY YOUR FRUIT
WITH THE "INCOMPARABLE"
BORDEAUX NOZZLE


used on "World's Best" Spraying Outfits. Cut shows our patent KEROSENE Knapsack SPRAYER Makes Emulsion while Pumping.
MADE ONLY BY
THE DEMING CO., SALEM, OHIO.
Twelve varieties of Sprayers. PUMPS OF ALL KINDS. Write us our Western Agents.
Henion & Hubbell, Chicago, Ill.
Catalogue and Formulas Mailed FREE.
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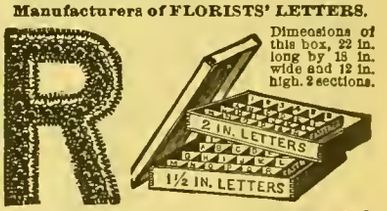
BOSTON FLORIST LETTER CO.
Manufacturers of FLORISTS' LETTERS.


Dimensions of this box, 22 in. long by 15 in. wide and 12 in. high. 2 sections.
This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1½ or 2 inch size, per 100, $2.00.
Script Letters, $4.00.
Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.
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ALL
Nurserymen, Seedsmen and Florists
Wishing to do business with Europe should send for the
"HORTICULTURAL ADVERTISER"
This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage, 75 cents. Address
EDITORS OF THE "H. A."
Chilwell Nurseries, LOWDHAM, NOTTS.
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Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

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LOCKLAND, OHIO.

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THE FLORISTS' HAIL ASSOCIATION
Insures 13,000,000 sq. ft of glass and has $7,500.00 Reserve Fond. For particulars address
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Are You Using an
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RED POTS?
If NOT, DO so. Full standard size, up-to-date. Small crates easy to handle. Send for our New Price List.
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STANDARD
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Baltimore.

A Smoker.

The club smoker was the event of the week. It was given in honor of Albert M. Herr, of Lancaster, Pa., who came over to consult with his fellow officers of the American Carnation Society as to the arrangements for the February convention. Mr. Herr made a graceful address referring to the large representation which Maryland has on the rolls of the Carnation Society. Richard Vincent, Jr., in an able speech, demonstrated the importance of the national societies, and their influence on the development and elevation of our profession and trade. President Halliday also spoke a few words. The committee on arrangements for the convention, submitted very favorable reports.

As an entertainment the smoker was a success, and as a manifestation of interest in the carnation convention it argues well indeed; for the event had rallied every member and friend to greet the guest, and to show his allegiance to President Bob Halliday, whose best efforts are being given looking to the successful consummation of the forthcoming gathering.

Trade Notes.

The market remains in about the same condition as last week. Cosmos and dahlias still come in. Chrysanthemums are getting more plentiful. Carnations seem to be scarce.

The Hardy Orange.

Apropos of hardy oranges, which Mr. Meehan recommends as perfectly hardy, some eight or ten years ago quite a number of these hedges were planted in this neighborhood, but the late severe Winters have hurt the plants to such an extent that your correspondent has not seen any one hedge the past Summer in good shape. In specially sheltered positions they do well; indeed, we have a fine example at the Hampton estate; but as a hedge plant for general planting the Citrus trifoliata is a failure here.

An Accident.

Ed. Montgomery met with a driving accident while returning from the market on Tuesday. The left side of his face was badly bruised. T. E.

Springfield, Mass.

Charles R. Miller, who retired a few weeks ago, has left the city. It is possible that he may locate in Providence, R. I., where he was formerly in the florist's business.

John Donaldson, who has been associated with Mark Aitken for several years, has opened a florist's store in Holyoke, under the style of John Donaldson & Co. It is understood that Mark Aitken is the partner.

Lewis Robinson, Jr., has just completed a new greenhouse of sufficient size to double his plant. He will make a specialty of carnations and bedding plants.

T. C. Austin, of Suffield, Conn., an old nurseryman and florist, died at his home very suddenly, October 20, in his 82nd year. Years ago he carried on an extensive nursery business, and grew lilies and other bulbs in quantity for the late B. K. Bliss. Of late, the farm and greenhouses, which have been devoted to cut flowers, have been under the management of his sons, who will continue the business.

This has been a remarkable Autumn; no frost until October 18. All the stores are showing good chrysanthemums, the truly fancy blooms coming from Pierson, of Cromwell, Conn. J. W. Adams & Co. are showing some popular sized plants that find a ready sale. Mr. Dickinson, of the B. L. Bragg Co., is also exhibiting some fine large plants.

The retail bulb business has been very light; the weather continues so warm that bedding plants have bloomed up to the last, and the number of tulips and bedding bulbs put out is very small. Now that frost has come it is hoped that this class of stock will take a start.

G.

Milwaukee.

Roses the past week took a tumble, and considerable difficulty was experienced in keeping even good stock moving. Other flowers suffered in consequence. Chrysanthemums are coming in, and the quality is superior to that of former seasons, for the early varieties. Carnations are about equal to the demand. The political disturbance seems to affect trade to some extent.

RASTUS.

Lehman's Wagon Heaters

Will protect Plants from freezing in the coldest weather at the cost of one-half cent per hour.



NO DANGER OF FIRE.
NO GASES TO INJURE PLANTS.
NO ODOR. NO SMOKE. NO DIRT.

Over 135,000 in actual use every Winter by Florists, etc.

Send for Descriptive Circular and Price List.

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Packed in small crates, easy to handle.

	Price per crate			Price per crate
1500 2 in. pots in crate,	$4 88	120 7 in. pots in crate,		$4 20
1500 2¼ " "	5.25	60 8 " "		3.00
1500 2½ " "	6.00	48 9 " "		3.60
1000 3 " "	5 00	48 10 " "		4.80
800 3½ " "	5 80	24 11 " "		3 60
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320 5 " "	4 51	12 14 " "		4 81
144 6 " "	316	6 16 " "		4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

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The Van Reyper Perfect Glazing Points are the best. No rights or lefts. Box of 1000 points 75 cents, postpaid.
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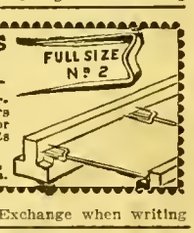

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ANY LENGTH UP TO 32 FEET OR LONGER



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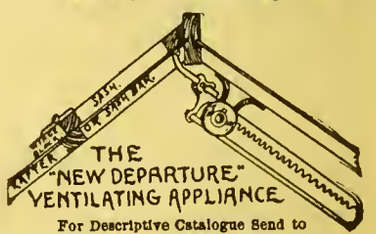
GOOD SASH LIFT
For a Very Little Money Get



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Nikoteen
Does not injure the most sensitive plants when used for fumigation or spraying indoors or out. 200 lbs of tobacco in one pint of Nikoteen. Sold by Seedsmen.
Kills the Bugs
Circular Free
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You can regulate it.
Send for list of testimonials.
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GLASS for Greenhouses, Conservatories, Hotbeds, etc., at less than Trust prices.
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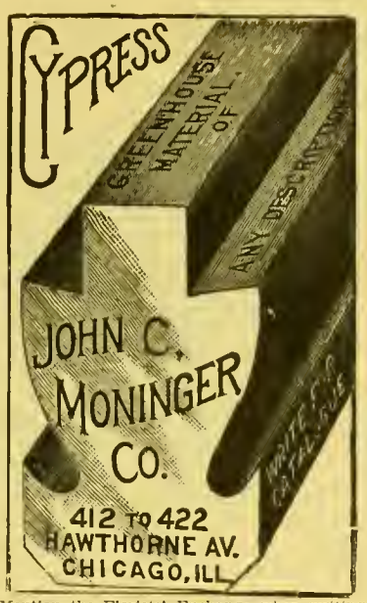

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One cent gets our Catalogue.
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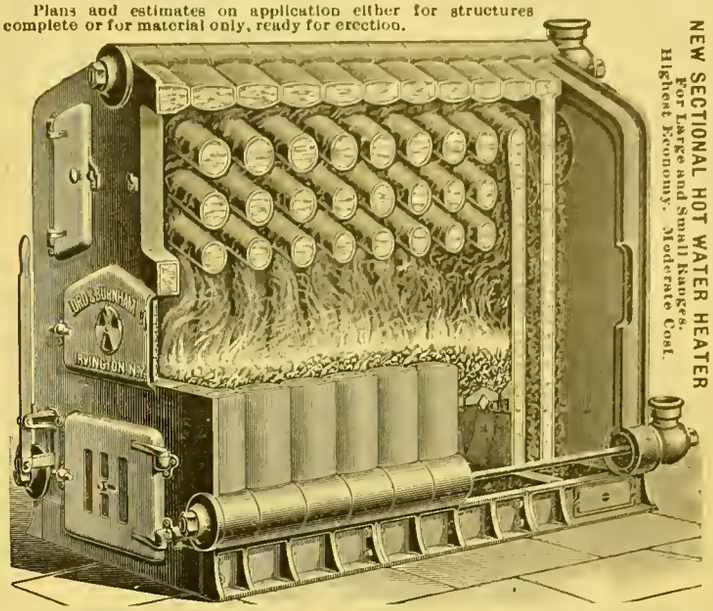

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Cal. Red Cedar and Louisiana Cypress.
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Manager for Ella Grant Wilson.

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Respectfully,
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VANHORNE, GRIFFEN & CO.,
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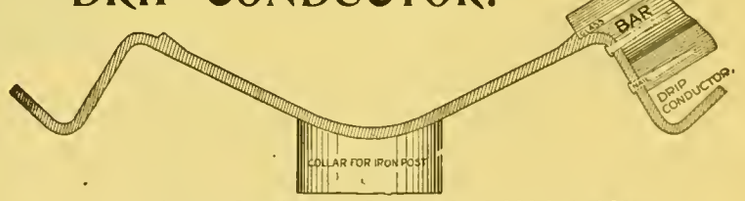

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Length of section, 5 feet; weight, 65 lbs.; carrying capacity, 4070 lbs.

This Gutter will save money in cost of construction as well as in rebuilding. Parties contemplating using iron gutters will do well to note the wording of **Patent No. 616,781,** issued to GEO. M. GARLAND, as published in previous issues.

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Steme, fresh picked, bale or case of 300 lbs., $1.50.
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Extract.....gallon, $1.25; 5 gallons, 4.25.
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Soap.....30c. per lb.; 25 lbs., 5.00.
Full line of Insecticides and Appliances.
SEND FOR CATALOGUE.

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The California, $3.00 per 100.
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CHINESE PRIMROSES In separate colors from 4 inch pots strong plants, $1.00 per doz. These plants will bloom for Christmas.

PRIMULA FORBESII 3 inch pots, $5.00 per 100.

UMBRELLA PLANTS 3 inch pots, $5.00 per 100.

PANSY PLANTS The very finest strain, in separate colors, $1.00 per 100.

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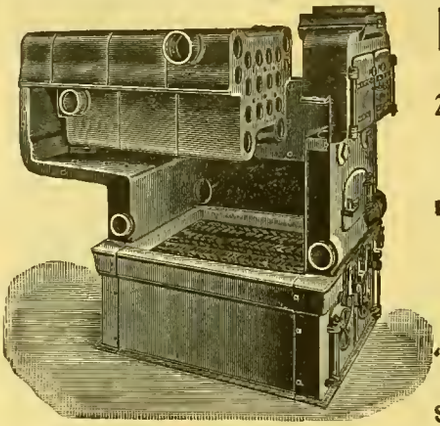

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Iron Frame Benches with the "Perfect Drainage Bench Tile" for Slate Tops.
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MME. VAN DER CRUYSSEN,			BERNHARD'S ANDREA ALBA,		
14 to 16 inches in diameter	$7.50 per doz.;	$ 55.00 per 100.			
16 to 18 " "	12.00 "	90.00 "			
18 to 20 " "	25.00 "	200.00 "			
VERVÆNEANA, 15 to 18 in. in diam .	12.00 "	90.00 "			

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NOW READY We take pleasure in offering, f. o b. New York City, INDIAN AZALEAS, double and single, leading market kinds. This is a specially low import offer both as to sizes and prices, and your early order is solicited. Azaleas are growing in favor yearly, as the great demand this season proves. It is to your interest to order now and take advantage of the low prices we offer. These plants will be carefully packed and can be safely sent by freight. **Order at once to secure these rates, and mention paper.**

10 to 12 inch heads,		$4.50 per doz.;		$33.00 per 100	
12 to 14	" "	6.00	"	43.00	"
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6 sold at dozen rates; 25 at 100 rates.

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Field-grown, medium sized clean stock. Per 100, $4.00.

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75c. per doz.

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In 4-inch pots, well rooted through. $7.00 per 100, including pots.

Cash.

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Price on Application.

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200,000 Peach Trees

This stock is thrifty and healthy. All grown from Tennessee pits. No better Peach stock to be had.
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GIANT DOUBLE ALYSSUM 3 inch pots, $3.00 per 100.
CAMPBELL VIOLETS 2½ in. pots, $2.50 per 100.
Clean, Healthy, A No. 1 stock. Cash with order, please.
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VIOLETS. VIOLETS.

Maria Louise, clean and healthy in every particular 3 in. pots, $5.00 per 100; ready.
Cash with Order.
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VIOLETS Large, field-grown clumps of California, 8 to 15 ins. across, grand stock, $3.00 per 100. Also 250 Campbell, in prime order, $4.00 per 100 to close out.
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2000 Fine Field-grown
FARQUHAR, $30.00 per 1000, the lot for $50.00.
300 M. LOUISE, the lot for $6.00.
All in bud and blossom with good foliage.
FRED'K A. TAYLOR, Canastota, N. Y.
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VIOLETS

Extra strong, field-grown clumps.

California..... $4.00 per 100.
Princess of Wales..... 5.00 "

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BECAUSE We are the largest buyers of Azaleas in the world, and make personal inspection of the stocks before they are shipped to us, and buy for spot cash, which enables us to secure lowest prices, and you the benefit in quality of the plants.

BECAUSE Our importations are all repacked at our own nursery. Plants that have suffered in transit, and which are not well set with buds being discarded, you receive nothing but first-class stock, which is certain to give satisfaction.

BECAUSE We can give you any special assortment of varieties that you may wish. This is a great advantage over the usual assorted case lots, sent over from Belgium, which invariably contain many varieties not at all suited to the American market.

BECAUSE We wish to convince you, as we have convinced many of the leading florists of the United States, that you can buy Azaleas from us to better advantage than if you make your own importations.



SPECIMEN AZALEA.

Mention this paper.

PRICES.

Include duty, packing and delivery in good condition to any Express, Freight or Steamship line in Philadelphia. Fine bushy crowns, well set with buds—

10 to 12 inches in diameter.....	per doz.,	$4 50;	per 100,	$35.00	
12 to 14 " "	"	6.00;	"	45.00	
14 to 16 " "	"	7.50;	"	55.00	
16 to 18 " "	"	12.00;	"	90.00	
18 to 20 " "	"	25.00;	"	200.00	
20 to 24 " "	"	36.00;	"	300.00	

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We are a straight shoot and aim to grow into a vigorous plant.

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Vol. XII. No. 44. NEW YORK, NOVEMBER 3, 1900. One Dollar Per Year.

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If you do not succeed in getting your full supplies, we have still to offer a fine lot of

5-7 Bermuda-Grown LONGIFLORUM

These bulbs are in splendid shape. We can offer them at **$14.00 per case.** 350 bulbs to the case.

WE ALSO HAVE A FINE STOCK OF

LILIUM HARRISII.

7-9 in. size is generally scarce, but we have a very fine stock of this size still on hand. These are a lot of bulbs that were left in the ground and dug late, and, in consequence, are in grand shape. Bulbs are plump, bright and clean, and are as fine a lot of Harrisii as any one would want to handle. We can supply these as long as unsold as follows:

5-7 inch, 400 bulbs to the case, only $16.00 per case.
7-9 inch, 200 bulbs to the case, only $18.00 per case.

ORDER AT ONCE BEFORE WE ARE SOLD OUT.

We can also offer a fine stock of **WHITE ROMAN HYACINTHS**
Extra quality bulbs, 12-15 ctm., in case lots, 2,100 bulbs to the case, **$16.00 per 1000.**

PAPER WHITE NARCISSUS GRANDIFLORA Case lots, about 1,300 bulbs to the case, $7.50 per 1000.

☞**Five per cent. discount from above-named prices when cash is remitted with order.**

F. R. PIERSON CO., Tarrytown-on-Hudson, N.Y.



Asparagus Plumosus Nanus

CUT STRINGS, 8 to 10 Feet Long **50 CTS.**

W. H. ELLIOTT, BRIGHTON, MASS.

ENGLISH

NEW CROP SEED Saved expressly for us by a most celebrated English firm from their prize-winning specimens.

Cyclamen Persicum Giganteum

Alba Perfecta, pure white, very large.
Aigburth Crimson, rich self crimson.
Crimson King, splendid crimson.
Charming Bride, pure white.
Giganteum, pure white, tipped crimson.
Purple King, intense purple crimson.
Peach Blossom, delicate pale lilac.
Rosea, pretty light rose.
Rosy Morn, fine rosy purple.

$1.00 per 100 Seeds; $9.00 per 1000 Seeds.

BULBS.

Chinese Sacred Narcissus First shipment just to hand. Per basket of 30 bulbs, $1.50. 4 baskets or mat of 120 bulbs for $5.50, or $45.00 per 1000.

Japan Longiflorum Lilies Now ready for delivery, in splendid condition. One whole box sold at thousand rate.

5 to 7, 500 in box, $20.00 per 1000. 7 to 9, 300 in box, $50.00 per 1000.
6 to 8, 400 in box, $30.00 per 1000. 8 to 10, 200 in box, $80.00 per 1000.

Paper White Narcissus Grandiflora
Large bulbs, 80c. per 100; $7.50 per 1000; or one whole case of 1600 bulbs for $10.

PLANTS.

Asparagus Plumosus Nanus Plants
A very special lot, in 2½ inch pots, ready for 3's, $40.00 per 1000; $5.00 per 100; 75 cts. per dozen.

CLUCAS & BODDINGTON CO., 342 W. 14th St., N.Y. City. Telephone, 461 18th.
Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS.

Begonia Gloire de Lorraine

The Largest Stock in the Country.
In Perfect Condition.

SPECIMEN PLANTS READY AT THANKSGIVING and CHRISTMAS

In
8 inch Pans.
6 inch Pans.
6 inch Pots.
5 inch Pots.
4 inch Pots.

GROWN at moderate temperature, well hardened off, perfect in shape, in splendid condition, covered with bloom.

WRITE FOR PRICES.

THE COTTAGE GARDENS, Queens, L. I.

C. W. WARD, Manager.

LOOK OUT FOR REPUBLICAN TYPHOON ON TUESDAY NIGHT.



PROTECT YOUR FRAMES with

STRAW MATS

Extra Rye Straw and Tar Rope.

Size, 3 ft. x 6 ft., 90c. $10.00 per doz. Size, 6 ft. x 6 ft., $1 50. $16.00 per doz.

BURLAP MATS

Indestructible. 6 x 6. $1.00 each. $11.00 per doz.

W. ELLIOTT & SONS, New York.

Mention the Florists' Exchange when writing.

To Clear Out SURPLUS STOCK

Until Sold We Offer

L. HARRISII 5 to 7 inch, $24 00 per 1000. 7 to 9 inch, 68 00 "

WHITE ROMAN HYACINTHS Red Skin, 12 to 16 centimeter, $11.00 per 1000.

NARCISSUS Large, Trumpet Princeps, $8.00 per 1000.

250 Bulbs at 1000 rate. Cash with order.

HULSEBOSCH BROS., Englewood, N. J.

Mention the Florists' Exchange when writing.

High-Grade BULBS

for Forcing and Out-of-door Planting.

Our 1900 Wholesale and Retail Catalogues on application.

JAMES VICK'S SONS,

ROCHESTER, N. Y.

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HYACINTHS

Dutch, named, first size.
Dutch, first size, separate colors.

TULIPS

Extra Selected in Best Market Varieties.

NARCISSUS

VON SION, Mammoth Size.

CHINESE SACRED LILIES.

Prices Cheerfully Given on Large and Small Quantities.

F. W. O. SCHMITZ, Jersey City, New Jersey.

Mention the Florists' Exchange when writing.

FORCING BULBS

LILIES.

	Price Per Case
Auratum, 8-9 (180)	$6 50
" 9-11 (100)	6 50
Speciosum Album, 8-9 (125)	7 50
" Rubrum, 8-9 (125)	6 25
" " 9-11 (84)	5 75
" Melpomene, 8-9 (125)	7 50
" " 9-10 (100)	7 50
Longiflorum, 6-8 (45)	13 50
" 7-9 (300)	15 00
Candidum, Per 100,	5 50
" extra large "	6 50

NARCISSUS.

	100	1000
Von Sion, selected large bulbs	$1 60	$15 00
" First size	1 40	12 50
" Second size	1 20	10 00
Poeticus	50	3 40
" Ornatus	1 00	9 00

NAMED DUTCH HYACINTHS.

All the leading kinds. $6.00 per 100; $57.00 per 1000.

DUTCH HYACINTHS, mixture, for forcing or bedding. All colors separate, $4.00 per 100; $39.00 per 1000.

SINGLE TULIPS.

	100	1000
Artus	$0 70	$6 25
Arme of Leiden	1 00	8 00
Bizarre Verdict	70	6 50
Cardinal's Hat	90	7 50
Chrysolora	1 25	11 00
Cottage Maid	1 20	11 00
Couleur Cardinal	2 25	21 00
Duchesse de Parma	75	6 75
Duc Van Thol Scarlet	85	7 25
L'Immaculee	90	8 50
La Reine	1 10	10 00
Keizerakroon	1 20	11 00
Pottebakker, white	1 25	12 00
" scarlet	1 00	10 00
Jagt Von Delft, pure white	95	8 00
Thomas Moore, orange	1 35	11 90
Purple Crown	85	7 20
Yellow Prince	1 40	12 00
Rose Grisdelin	1 50	14 00
White Swan	1 25	11 00
Single, Fine Mixed	65	6 00

DOUBLE TULIPS.

	100	1000
Duke of York	$1 00	$8 00
Murillo	2 25	20 00
Tournesol, red and yellow	1 60	14 50
Yellow Rose	1 00	9 00
Lady Grandison	1 25	11 00
La Candeur	95	8 50
Lady Palmerston	2 25	20 00

PARROT TULIPS.

	100	1000
Named varieties	1 00	9 25
Mixed	80	7 50

CROCUS, named varieties... 45 3 50
" mixed, separate colors 30 2 00
Montbretia Crocosmæflora.... 35 3 00

COLD STORAGE VALLEY.

Hamburg Pips, case lots of 1000 $12.50

BOBBINK & ATKINS, Rutherford, N. J.

Mention the Florists' Exchange when writing.

HIGH-GRADE BULBS!

LILIUM LONGIFLORUM

	Per doz.	Per 100.		Per doz.	Per 100.
5-7	$0.40	$2.50	8-9	$0.90	$7.00
6-8	.50	3.50	8-10	1.00	7.50
7-9	.75	5.00	9-10	1.25	8.50

JONQUIL (Camperuelle), 75c. per 100; $5.50 per 1000

HYACINTHS, Single or Double, in Pure White, Blush White, Light Blue, Dark Blue, Pink, Red, $4.50 per 100; $40.00 per 1000.

NARCISSUS!

	Per 100	Per 1000
VON SION, first size	$1 50	$14 00
Double Nose	2 00	18 00
PAPER WHITE, large-flowering	1 00	7 50
TRUMPET MAJOR, Mammoth	1 00	9 00

FREESIA Pure White, 65 cts. per 100; $5.00 per 1000.

Send for Wholesale Catalogue.

STUMPP & WALTER CO., 50 BARCLAY STREET, **NEW YORK**

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Surplus Stock at Import Price

HYACINTHS.

	12	100	1000
French Romao White, 12-15	$0 25	$1 60	$15 00
Dotch Romao White, extra named	40	2 50	24 00
Dutch Hyacinths, Separate colors, Dutch Named, florists' best sorts, your choice	60	4 00	38 00
	75	6 00	

NARCISSUS.

	12	100	1000
Paper White Grandiflora	$0 15	$0 75	$6 25
Trumpet Major, large	15	1 00	8 00
Alba Plena Odorata	15	1 00	8 00
Van Sion, extra size, double nosed	25	1 60	15 00
" first size	20	1 25	11 00
Poeticus	10	40	3 25
" Ornatus	15	1 00	8 00
All sorts Narcissi in very fine mixture, single, double, Trumpet and Daffodil	15	1 00	7 50

TULIPS.

Belle Alliance	.20	1.20	9.00
Keizerskrooo	.15	1.25	10.50
La Reine	.15	1.20	10 00
Rose Grisdella	.25	1.50	13.00
Yellow Prince, or Chrysolora	.25	1.50	11.00
La Candeur, etc., etc.	.15	1.00	8.00
Single and Double, choicest mixed	.10	75	6.50

LILIES.

Longiflorum Japan, sound, clean stock.
6-7 inch, 100, $2 00; Case of 500, $9 00 Net.
6-8 " " 3.00; " 450, 12.00 "
7-9 " " 5.00; " 300, 12 00 "

	Per 12	100
Lilium Auratum, 8-9 inch	$0 60	$4 00
" " 9-11 inch	1 00	7 00
Lilium Rubrum, 8 9 inch	60	4 00
" " 9-11 inch	85	6 00
Lilium Album, 8-9 inch	75	5 00
" " 9-11 inch	85	6 00

JUST RECEIVED.

Calla, Richardia Maculata Spotted Calla, fine bulbs, Per 12, 50c.; per 100, $3 00.

Cyclamen Giganteum Persicum bulbs

Monster flowers; pure white, rose, crimson, white with red eye, rose with red eye, per doz., $1.20; per 100, $8.00.

For Clearance we offer Allium Neapolitanum, 100, 30c; 1000, $2.50 net. 5 per cent cash discount on all bulbs not marked net.

NOTICE Let us know your wants in all forcing bulbs. We have a fine SURPLUS and will make prices satisfactory.

SEEDS.

SWEET PEA. 1900 CROP, offered for early forcing in your choice at 25c. a lb.



FERN BALL.

Japan Fern Ball December to January delivery. Write for prices. We were the first firm in U. S. who introduced these in 1878. Order now and secure bona fide long-leaved stock.

H. H. BERGER & CO. (ESTABLISHED 1878), **47 Barclay Street, New York.**

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A BARGAIN —IN— SURPLUS BULBS

Tell Us What You Can Use. We will Quote RIGHT PRICES.

SAMPLES FREE IF YOU WISH.

LILIUM LONGIFLORUM, Japan, - 7- 9	FREESIA, MAMMOTH.
" " " - 9-10	HYACINTHS, DOUBLE BEDDING.
" " Bermuda, - 5- 7	NARCISSUS VON SION, Extra.
LILIUM HARRISII, - - - 9-11	TULIPS LA REINE, Extra.
" " - - - 11-13	TULIPS, YELLOW PRINCE, Extra.

Now Ready, **LIL. AURATUM, RUBRUM, ALBUM.**

Let us have your order for **JAPANESE FERN BALLS.** Our stock is cured and ready for starting. Prices on application. December delivery.

Try our **London Market LILY OF THE VALLEY Pips** for forcing. Large Bells. Fine Foliage.

VAUGHAN'S SEED STORE, 14 Barclay St., NEW YORK. 84-86 Randolph St., CHICAGO.

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SEEDS FOR FORCING

TOMATOES, Best of all LORILLARD, Frogmore selected.

CUCUMBERS, MELONS.

Sure Crop Mushroom Spawn $8.00 per 100 lbs

WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., NEW YORK.

Mention the Florists' Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

WHOLESALE PRICE LIST FOR FLORISTS AND MARKET GARDENERS

Mention the Florists' Exchange when writing.

CALLA BULBS!

1⅝ to 2 ins. diam	$5.00 per 100.
1 to 1¼ " "	2.00 " " 15.00 per 1000.
¾ in. diam	1.00 " " 8.00 " "
2½ to 3 ins. long (strong sets)	$4 00 per 1000
1½ to 2 " "	3.00 " "

SMILAX ROOTS. (At all Seasons.)

2½ to 3 ins. diam, $3.00 per 100; $28.00 per 1000, by freight
1½ to 2 " " 2 00 " " 16.00 " " " "
2½ in. pots 1 00 " " 8.00 " " postpaid.
Strong Seedlings, 0.75 " " 3.50 " " "

AMARYLLIS FORMOSISSIMA.

7 ins. circum., $3.50 per 100; 5 ins. circum., $2 00 per 100 (100 largest size weigh 40 lbs.)

VIOLETS PRINCESS OF WALES. $1.00 per 100; $8.00 per 1000.

THEODOSIA B. SHEPHERD, Ventura-by-the-Sea, Cal.

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CALADIUMS

FANCY-LEAVED.

Ready in December a choice collection of named varieties, dry bulbs, as follows:

¾ to 1 in. diam ... $3.75 per 100; $30.00 per 1000
Over 1 to 2 in. diam. 5 00 " 45 00 "
Over 2 to 3 in. diam. 12.00 "

PHRYNIUM VARIEGATUM

Elegant foliage plant, green and white, dry tubers, $4.00 per 100; $25.00 per 1000.

THE JESSAMINE GARDENS, Jessamine, Fla.

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SPECIAL BULB OFFER!

French White Roman Hyacinths.....12-15 cent., at $1.75 per 100; $16.00 per 1000
Double Von Sion Narcissus, large Double Nosed Bulbs.. 1.75 per 100; 16.50 per 1000
Paper White Grand Narcissus..... .75 per 100; 6.75 per 1000
Freesia Refracta Alba..... .50 per 100; 4.00 per 1000
Chinese Sacred Lilies.....per basket (30 bulbs), $1.50; per mat (120 bulbs), $5.50

JOHNSON & STOKES, Seedsmen, Philadelphia, Pa.
217 and 219 Market Street.



AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Cincinnati, O., President; F. W. BOLGIANO, First Vice-President; S. G. COURTEEN, Milwaukee, Wis., Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

New York.—Two shipments of Japan bulbs arrived in New York this week, consisting chiefly of auratum, speciosum album and S. rubrum; also some Melpomene. About 40 per cent. of the auratums had spoiled in transit, but the loss on the other kinds was not nearly so large.

Toronto, Ont.—Messrs. Steele, Briggs & Co., have purchased the stock and good will of the late Robert Evans, of Hamilton, Ont., for $16,000.

San Francisco, Cal.—Eugene Germain of this city, ex-Consul to Switzerland, has made arrangements to introduce in California a new variety of melon known as Germain's Autumn musk melon. The new variety is produced from seed secured in Switzerland. The melon is said to be of an unusually fine flavor. It matures very late in the season, and is very prolific.

European Notes.

Everything moves along swimmingly, and if we only knew some way of multiplying our plants without the trouble of raising them, we should be quite contented with the outlook. Everyone of us recognizes that looking backward is an unprofitable game, for this year at least.

Catalogue compilers are now busy getting ready for 1901, and the hunt for novelties is at its height. The following are among the most valuable which the German growers have, thus far, brought under our notice. Of Benary's novelties the new white sweet pea, Mont Blanc, easily takes first rank, and should be especially valuable on your side, where the forcing of these lovely flowers has been carried to a high degree of perfection. In petunias, Benary easily leads, and a lovely rose-colored, very dwarf, large-flowered, fringed variety will fully justify this reputation. The Iceland and Alpine poppies do not, at present, appear to be very highly esteemed in America, but when they do become better known the new Papaver alpinum laciniatum will be accounted a beautiful and valuable introduction. It is an open secret that Benary has also on hand for future use some beautifully striped and mottled forms of Papaver nudicaule, but sufficient unto the year is the novelty thereof.

The most valuable of Haage & Schmidt's introductions is the lovely Arctotis grandis, previously referred to in these notes as A. candidissima. It is not possible to praise this too highly, and those who do not include it in their new catalogues will regret it in the very near future. A new variety of godetia, named Rosamundi, also deserves special mention. Some very pretty forms of erigeron have lately emanated from this house, and E. aurantiacus hybridus is a welcome addition. Asperula azurea setosa, introduced by Veitch many years ago, should have a new lease of popularity, now that a pure white variety is offered. Ageratum Princess Victoria Louise (Lorenz), is a decided acquisition. A quilled form of Chrysanthemum carnatum (Chrestensen) is also to be recommended.

Of white Comet asters we have enough and to spare, but there is yet room for such a sterling novelty as Chrestensen's "Express." Roemer will introduce a new dwarf form of Helianthus cucumerifolius, which, as seen by the writer in the month of July, was a veritable Mont d'Or. It is valueless for cutting purposes.

Some other meritorious introductions must be held over until next week. In the meantime a new (?) red named "Athlete" known in Germany as "Riesen Kind," appears to be our old and discarded friend the "Mummy" under a new name.

Since our last report on German crops, two weeks ago, we have had some good rains, which, although arriving late, have benefited things generally. Asters, double wallflowers, and annual stocks were never more promising than now.

As regards the latter article, visitors to Germany in recent years have noticed with some concern, that the numbers of plants grown in pots, do not increase at the same ratio as those grown in the open ground. The increased demand for seed of the cheaper grades does not fully account for this, and those of us who are old-fashioned to believe that pot-grown seed yields, other things being equal, a larger percentage of double flowers, would like to see a closer adherence to the rule that made Germany famous for English stocks. EUROPEAN SEEDS.



Private Competition.

Editor Florists' Exchange.

One of the most elaborate wedding decorations ever executed in Taunton, Mass., was that for a wedding in one of our wealthiest families, in the Episcopal Church, on Wednesday last. The work was done by the gardener, the large quantities of flowers used being furnished by a leading Boston wholesale house.

The trade in the smaller cities near the Hub have a serious condition to face when private individuals can buy flowers at wholesale as cheaply as the stock is supplied to the florists, and with undertakers furnishing galax and ivy wreaths, roses, etc., and getting their supplies at the same prices and of the same parties as the florists do.

That all wholesale houses do not practise this, and that none should, is the sentiment of the trade in this and neighboring cities, as such a condition has a demoralizing effect generally. W.

Dahlias Coming True from Seed.

Editor Florists' Exchange.

In the 15 years that I have been growing dahlias, in quantities of from 300 to 1,000 each year, I have never seen a duplicate. The most that I could say of some of them would be, that they were "similar" to some other one produced. I used to grow a strain of single ones a few years ago, which we called the Butterfly dahlias; these produced seedlings that were often similar to the parent. But, as stated above, I have never produced a dahlia but could be easily distinguished from all others.

Does anyone claim to have a strain that will come true from seed?

Denver, Col. W. W. WILMORE.

Dahlia Helen Gould.

Editor Florists' Exchange.

The dahlia Helen Gould is nothing but a run out Marie Eustace, which is the proper name for it. Marie Eustace was brought to this country 25 to 30 years ago, as far as I can trace it. In Massachusetts it is called Mrs. Roth; in Pennsylvania, Uncertainty; but its correct name is Marie Eustace. During the past Summer I personally visited the establishment of O. B. Coomes, Jr., in Queens, and I told him right away the variety he had was Marie Eustace. In this case the color is almost similar to that of the red Bradt carnation. Some growers keep it red, and with others it sports backward and forward. I think Mr. Coomes has selected the light colored flowers for a few years, so that the majority of his blooms come light colored. ERNEST GRANZ.

Hicksville, L. I.

In reply to a communication by O. B. Coomes, Jr., in your issue of October 27, I would like to state a few points in connection with the variations of the dahlia "Uncertainty," "Floral Park Jewel," "Emperor," "John Thope," "Mary Eustace," "Maroon and White," etc. All of the above names are applied to the same dahlia, and now Mr. Coomes wishes to add another, that of "Helen Gould." We have no doubt that Mr. Coomes grew the dahlia under the name of "Maroon and White," 20 years ago. This variety was afterward named "Floral Park Jewel." The variation, (for that is all it is) is not entitled to a distinct name as a new variety on these grounds, the American Dahlia Society declined to certificate as such. The same variation which Mr. Coomes wishes to introduce as a new variety under the name of "Helen Gould" was introduced a number of years ago as "Mary Eustace."

In regard to this multi-named dahlia, I would like to describe it briefly. It varies from pure white, faintly flushed blush to solid dark crimson. The intermediate variations are a Daybreak pink, striped pink, striped and mottled carmine, striped and mottled crimson and maroon. All of these variations are found on the same plant. Sometimes nearly all of the flowers on a plant run dark; but it is always the same thing.

Now the question arises, did the Dahlia Society overstep its bounds? It did not attempt to inform Mr. Coomes what he should do, or what he should not do, but simply confined itself to its legitimate position by declining to certificate as a new variety, not a sport, but a variation of an old sort. In this respect the position of the American Dahlia Society is unassailable. I make the assertion that I purchased the very identical variation, so-called "Helen Gould," a number of years ago, under the name of "Mary Eustace." Mr. Coomes admits there is a variation in the color. Of course there is, as a selection will not change a variety permanently. It is a well-known fact among dahlia growers that all fancy varieties will vary and sport, the latter permanently, but the former is an essential part and characteristic of the variety; and too much confusion has already been caused by confounding the two, as can be shown in the present instance, where, as above stated, we have one variety under six names, and a seventh proposed.

It seems to me it is time some stand was taken. I would like to hear what some of the leading horticultural societies have to say on the question of variations and sports. I claim that a sport is undoubtedly entitled to be ranked as a new variety, because it is a permanent change. When the flower varies, however, and could not, at the most, be called more than a strain of the variety, it is not entitled to a distinct name.

Now, in regard to selling qualities; dahlias were sold regularly at from $1 to $5 per 100 right in Philadelphia, and Mr. Coomes' price of three dozen for $1 is about $2.75 per 100. Evidently, the other fancy varieties he grew and for which he could get only 25c. for three dozen, were not grown with the same care as the light blooms of "Floral Park Jewel," as 25 cents for three dozen is a little over 73 cents per hundred, and is lower than the average price for common assorted dahlias.

LAWRENCE K. PEACOCK.

Atca, N. J.

CATALOGUES RECEIVED.

W. ATLEE BURPEE & CO., Philadelphia.—Advance Price List for 1901, particularly of Vegetable Seeds and Sweet Peas, including Novelties. Among the latter, in Sweet Peas, are enumerated four new Cupids—Apple Blossom, Stella Morse, Royalty and Captain of the Blues. The list in question gives also some advance information regarding the forthcoming "Quarter-Century" Edition of Burpee's Farm Annual for 1901. This book will contain over 200 pages. It will be entirely new. Every description of Vegetables, Flowers and Grains has been rewritten, from latest notes, taken during growth at Fordhook Farms. At the head of each species will be given useful directions for culture, also entirely rewritten specially for this "Quarter-Century" Edition. A record of Horticultural Progress during the last quarter of a century just closed will be printed on enamelled paper, and enlivened by photogravures of trials and crops at Fordhook Farms. The Color-Work promises to be particularly fine. There will be four colored plates, painted from nature, of Novelties in Vegetables and Flowers; while the cover (in 10 colors and gold) will be very attractive.

PRIVET

	100	1000
18 to 24 in	$2.50	$22.50
2 to 3 ft	3.50	30.00
3 to 4 ft	5.50	50.00

		100	1000
Hydrangea P. G.,	2 to 3 ft.	$7.00	$ 70.00
"	" 3 to 4 ft.	10.00	100.00
Clematis Paniculata,	No. 1,	7.50	70.00
"	" Extra,	9.00	80.00
Ampelopsis Veitchii,	No. 1	6.00	50.00
"	" Extra,	8.00	75.00

Hardy Herbaceous Plants, in large variety.

Crimson, Yellow, White and Pink Ramblers.

SEND FOR WHOLESALE LIST.

ELIZABETH NURSERY COMPANY,
ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

THE BUYERS' PAPER.
The paper that pays advertisers best is the one read by the most buyers. The Buyers' Paper among the horticultural trades is The Florists' Exchange.

CYCLAMEN
GIGANTEUM SEED.

The finest giant flowering varieties, in choicest mixture, 200 seeds, $1.00; half pkt., 50c.; $4.00 per 1000.

JOHN F. RUPP, Shiremanstown, Pa.
The Home of Primroses.

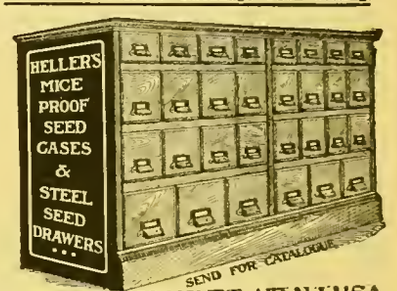
Mention the Florists' Exchange when writing.

PALM SEEDS
Fresh on Hand.

Chamærops Excelsa (in 10 lb. lots at 30c.) per lb.,			40c.
Washingtonia Robusta.....		"	75c.
	Per 100	1000	5000
Erythea Edulis (Brahea Edulis)...	50c.	$4.00	$18.00
Phœnix Canariensis.....	50c.	2.00	
Phœnix Reclinata.....	25c.	$2.00	8.75

GERMAIN SEED & PLANT CO., Los Angeles, Cal.

Mention the Florists' Exchange when writing.



HELLER & CO. MONTCLAIR, N.J. U.S.A.

Mention the Florists' Exchange when writing.

ESTABLISHED 1802

THORBURN'S SEEDS

BULBS NOW READY:

	100	1000
Lilium Longiflorum Japan,		
5 to 7 inch	$2.00	$18.00
6 to 8 "	3.00	27.00
7 to 9 "	4.50	40.00
9 to 10 "		90.00
Lilium Harrisii, 7 to 9 in	8.00	75.00

Dutch Hyacinths, Narcissus, Tulips, etc.
Wholesale Bulb Catalogue mailed on application.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

Mention the Florists' Exchange when writing.

FOR FORCING

Magna Charta, Paul Neyron, Ulrich Brunner, low budded, n Manetti, $8.50 per 100; **Crimson Rambler,** 4 to 5 ft., heavily branched, $15 per 100 **Evergreens for Vases,** 15c. and upwards. **Privet,** 3 to 4 f ., $40 per 1000; 6 to 8 ft., $15 per 100. **Smaller sizes if wanted**

HIRAM T. JONES, Union County Nurseries, **Elizabeth, N. J.**

Mention the Florists' Exchange when writing.

HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 branches.

Otaksa, Red-Branched, Thos. Hogg,

Price, $10.00 per 100; $85.00 per 1000.

Send for our wholesale Price List of Roses, Clematis, Shrubs, Trees, etc., etc.

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P. OUWERKERK

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Write for price list or send your lists of wants for special prices.

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Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas Pæonies. Pot-grown plants for forcing, Rhododendrons, H. P. Roses, etc.

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" " 1 to 1½ " 8.00 " 70 00 "

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3-4 characterized leaves,	15-18 in.,	$15.00 per 100
4-5 " "	20-24 "	25.00 "
5-6 " "	24-30 "	40.00 "

PHOENIX RECLINATA Very Stocky, 3-4 characterized leaves, 15-18 in., $25 00 per 100.

LATANIA 4-5 characterized leaves, 18-20 in., $25.00 per 100

BIOTA AUREA NANA Best dwarf Biota, 12-15 in., $12.00 per 100

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NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN.

THEODORE J. SMITH, Geneva, N. Y., President; N. W. HALE, Knoxville, Tenn., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

Nurserymen throughout the country report an active demand for stock of all kinds, particularly ornamentals. This indicates general good times. When trade is poor, fruit trees are mainly called for.

Kieffer pear seedlings are having quite a boom. They grow very fast, soon making a stout enough stock for budding or grafting, and are, besides, fairly blight proof. Its use as a stock is in the experimental stage as yet, but it promises well, and should it prove as successful as anticipated, it will partly revolutionize the pear seedling business, as nearly all the stocks now used are imported.

What Shrubs Flower Memorial Day.—Noticing what several florists have said in regard to flowers found in most demand on Memorial Day, it lends me to give the experience of many years in the way of shrub flowers useful for the same purpose. My experience is not only that of a grower, but I have "detailed" myself for many years to overlook the filling with flowers of the wagon which our local G. A. R. Post sends for them. There are but two or three sorts available and desirable, and these are snowballs and weigelas, principally, with, perhaps, a little spiræa and exochorda. But snowball and weigela are the old reliables. Let me add, however, unless one has the old snowballs as well as the Japanese, the "snowball" supply may fail. Having in mind the vicinity of Philadelphia, the snowballs are usually a little ahead of time; rarely behind it. The old sort, Viburnum opulus sterilis, precedes the other by nearly a week, and it is nearly always out of flower at the period named, as was the case last May. The Japanese, Viburnum plicatum, is usually just in time, though I have known it, too, to be too early on one or two occasions in the last ten years. Thus, the Japanese is much to be preferred to the other, both as a beautifully-shaped shrub and for its flowers. Weigelas rarely entirely fail, and where two or three varieties are grown, there need be but little fear of lack of flowers, as there are a few days' difference in their time of blooming. Because of the long branches of flowers which may be cut from them, they are just what are wanted by the ladies who make up the bouquets for the Posts, and the same is true of the Japanese snowball. The early spiræas, Reevesii, and Van Houttei, prunifolia and Thunbergi, are nearly always past flowering; sometimes the double Reevesii is still available.

May I call attention to the error of so many who write "Decoration Day." The G. A. R. authorities have often called attention to this. It is "Memorial Day."

A Beautiful Autumn Vine.—There are many things that conduce to the charm of Autumn, not the least being the display made by the numerous trees, shrubs and vines of berry-bearing fame. In certain sections the variegated grape, Vitis heterophylla variegata, is well known, but that it is not generally so is evidenced by the surprise many express who see it for the first time. In early Summer the variegation of its foliage is the chief attraction—white, with a tinge of pink showing with the green. But it is in late Summer and Autumn that its chief charms develop, reaching their height in October. The little clusters of greenish-white flowers give way to berries, which from green change to reddish purple, and from reddish purple to deep blue. The combination of foliage, variegation and varied colored berries is unique. The vine has the habit of growth, somewhat, of the Virginia creeper, and its numerous small clusters of fruit are produced as on that vine. In like manner it is best displayed when running over some low-growing shrub. I have seen a heap of brush set for it to run over, and a lovely display followed. This very desirable vine is perfectly hardy here, as so many plants from China prove to be. At this season of the year it is among the most ornamental of its kind.

Shrubs for Forcing.—Near all large cities nurserymen find a good demand for shrubs for early forcing. Everyone likes to see the early flowers of Spring, and those of the first shrubs to bloom are always doubly welcome. Besides the selling of the shrubs direct from the ground to florists, there would be a good business done in the way of disposing of the plants already potted. Florists often inquire for such plants, and usually when it is too late to obtain them, because none has been prepared, and Winter weather prevents this being done. The early flowering shrubs are the ones to force; it is of no use trying the late ones. The following list comprises the sorts mostly available for the purpose: Flowering almond, Juneberry, Chimonanthus fragrans, Daphne cneorum, deutzias in variety, Exochorda grandiflora, golden bell, bush honeysuckles, mock orange, Pyrus arbutifolia, sweet brier, spiræas, lilacs, snowballs, weigelas, and, for its purple leaves, purple barberry. The chimonanthus is a Chinese shrub, bearing deliciously scented, yellow flowers. It is a favorite South, but not so much so North, because it bursts into bloom in late Winter as soon as a few warm days come, and the occasions when the blossoms are not destroyed by freezing later are so rare, that it is hardly worth growing as a hardy shrub. But place it inside, and, if but a single flower expands, its delightful odor will fill a room. Although a few Northern nurseries keep the plants, the Southern ones are to be looked to for the main supply. Deutzia gracilis is the most satisfactory to force, or has been, but those who have tried D. Lemoinei say its flowers are more lasting. It is a stronger grower than D. gracilis. Pyrus arbutifolia is much like the Juneberry, amelanchier, in its inflorescence. The beautiful white flowers are in small racemes. Later both are showy with berries, the Juneberry soon after the flowering, the pyrus not till late Autumn. Lilacs always sell well; they are good things for both the nurseryman and the florist to handle. To have these plants flower well when small, they have to be stunted in some way. This can be accomplished either by keeping them in pots, or having them budded on privet. Either way dwarfs them and produces early flowering.

The Japanese snowball is most beautiful and forces well, as does the typical form, tomentosum. These are much to be preferred to the old snowball, being superior in both growth of bush and beauty of flower.

Young plants with a good supply of shoots made the past Summer are the ones to secure for forcing. This is the wood that gives the flowers. Procure the plants at once, pot, or tub them, and keep them in a cool place until the time comes to start them into growth.

The third annual meeting of the Maryland State Horticultural Society is to be held in Baltimore, December 20-21. Mr. Willard of Geneva, New York, J. H. Hale of Connecticut, and other well-known horticulturists are expected to attend.

JOSEPH MEEHAN.

Jersey City, N. J.—The Cumberland nurseries have been incorporated with a capital of $100,000. Incorporators: J. I. Newson, A. W. Newson, W. F. Davis, all of Nashville, Tenn.; J. W. Avery, of New York; H. G. C. Thornton, of Cranford; Daniels & Co., attorneys, New York.

Wichita, Kan.—The business of the Wichita Nursery Association has increased until their old quarters on North Emporia were too small for them, and they have erected a large building at the corner of Lawrence and 21st Street, which has just been completed. The building is 40 by 120 feet. In the front part are fitted up elegant offices, and the tool room and grafting rooms are also here. The back part is devoted to the packing and shipping room. The large basement story, or cellar, will be utilized for storing trees, having a capacity of 40,000 trees. Mr. W. F. Schell, the manager, is highly pleased with their business.

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The best of all Burbank Plums. We have a large and fine stock of trees, one or two year's old on Plum and Peach stock. Address

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CHINESE SACRED LILY.

Per mat, 120 bulbs, $4.75
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LILIUMS.

HARRISI, 9 to 11 inch, monsters . . . . . per 100, $18.00
" 7 to 9 " fine condition . . . . . per case of 200, 16.00
" 5 to 7 " " . . per case of 400, $12.00; per 1000, 27.50
LONGIFLORUM, 7 to 9 inch, Bermuda grown . . . . . per case of 200, 6.00
" 5 to 7 " " " . . . . . " " 400, 10.00
" 5 to 7 " " " . . . . . per 1000, 20.00
" 9 to 10 " Japan grown . . . . . per 100, 8.00

If you want to obtain the most for your money, send me your order.

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ROSES, SHRUBS, ETC.

80,000 HARDY LOW-BUDDED TWO-YEAR HOLLAND ROSES, Rhododendrons, Tree Roses, Clematis, Crimson Ramblers, Azaleas, Etc.

10,000 AMERICAN ROSES ON OWN ROOTS, FALL OR SPRING.

Hyacinths, Tulips, Crocus, Etc.

C. H. JOOSTEN, Importer, 85 Dey St., New York.

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The nursery business seems to be booming. By a recent purchase, Thomas Meehan & Sons, the nurserymen and landscape engineers, of Germantown, Philadelphia, acquired two extensive properties adjoining their Dreshertown nurseries. These will be added to the already large acreage and planted immediately with the better class of hardy ornamentals. It is evident that this firm believes in the policy of expansion.

Pruning Evergreen Hedges.

Editor Florists' Exchange.

Referring to Mr. Joseph Meehan's remarks, I think Mr. Meehan is wide of the mark in his statement about pruning evergreen hedges in your number of October 20. Hedges formed of conifers should be pruned in May, when it can be seen which branches are alive and which are dead; the dead ones must be carefully removed and the living ones tied in the bare places, then the hedge can be clipped, and as soon as the plants have made their first growth during the Summer, in August or September, they must be clipped again so that they do not gain too much in height. An occasional leader, which sometimes sprouts out near the top of the stem, can be removed at any time, to keep the hedge in perfect shape; otherwise not much pruning is necessary. When two evergreen plants (they need not be evergreens, but when any two plants grow) too close together, the branches at the point of contact will die, simply because they suffocate from want of air; and when the coming together has happened only for a little time, so that the branches are not dead, but look faded, they can sometimes be saved by exposing them to the air. But warm or cold weather has not much to do with the matter.

Mr. Meehan says "do not prune below live foliage, as it is difficult to induce evergreens to break afresh from old wood." That brings us back to the point from which we started. What is meant by, and what is the purpose of, an evergreen hedge? If the hedge is to be used as a windbreak for a country garden, the strong growing spruces and pines only can be employed, and these have to be trained for that purpose by pruning, every Spring, the leader of every outside branch so that the branches do not spread much, otherwise the hedge will soon grow too broad and not proportionately high. And when we cut the branches shorter later on, we will find only green, live branches on the tops, and if we cut these, the bare old wood will not make any new branches, so that holes are formed in the hedge. If the hedge is to be used as a fence, from three to ten feet in height, varieties of Thuya should be planted. These can be cut at any length, as the old wood breaks easily, the habit of all Thuya occidentalis varieties being the same as that of deciduous shrubs; they form buds, not in the axils of the leaves, but on the sides of new branches, where they remain dormant until they have a chance to break and form new shoots.

Hedges of Cupressus Lawsoniana, Retinospora obtusa, or R. pisifera are not to be recommended, as when they are exposed to wind and Wintry weather, some of the branches may die, and it is not easy to fill the holes again, as the old wood will not make new shoots; and as, usually, the hedge has to be kept at the same height, the continual clipping at the same, or nearly, the same place makes the branches crowded and on that account, tender, so that a strong Winter may do harm to hedges, when single plants would go unharmed. Small, low hedges of Retinospora plumosa varieties are pretty, but we will have the same trouble when the hedges get older; the clipping makes the branches tender, and sometimes whole plants die apparently without cause. With boxwood hedges, of course, the esse is different, the buxus being a hardy shrub which retains its leaves during the Winter. These plants have to be treated as deciduous subjects.

Jersey City. P. OUWERKERK.

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We offer for sale the largest stock of Forest Trees in this country, Sugar, Norway, Sycamore, Silver Leaf and other Maples by the thousands. Also Lindens Poplars, Elms, Willows, Mt Ash, etc., in large quantities, as well as a general stock of other nursery products. Address

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Our Descriptive Catalog of American seeds is just out. Ask for it.

Our Folder, "How to Make Tree Seeds Grow," free with every order.

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MYRTLE

For Cemetery and Ornamental Work.

FIELD GROWN ENGLISH IVY, 3 or more leads, 2 to 3 ft., $3.00 per 100; 2 to 3 leads, 2 to 3 ft., $6.00 per 100; 2 or more leads, 1½ to 2 ft., $5.00 per 100; 2 or more leads, 1 foot, $4.00 per 100.

CALIFORNIA PRIVET, 2 to 2½ feet high, 2 to 4 branches, per 100, $3.00; 1½ to 2 feet, 2 to 4 branches, per 100, $2.25; 15 to 20 in. high, per 100, $1.75.

ECHEVERIA Secunda Glauca, about 1 in. diameter, well rooted, a 1000, $12; 1½ to 2, $15; 2 in., $20.

MARIE LOUISE VIOLETS, field-grown, per 100, $3.00. Cash with order.

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Deciduous { CALIFORNIA PRIVET, OSAGE ORANGE, BERBERIS THUNBERGII, ALTHÆAS, ETC.

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WANTED, experienced packer of plants in large wholesale shipping establishment. Address Z. W., care Florists' Exchange

WANTED, experienced and sober night fireman on steam boilers; steady and permanent place for good man. Z. V., care Florists' Exchange.

WANTED—An assistant; roses, carnations, violets, etc; married man; wages, free house and $8.00 per week; when applying give references. John Rock Bridgeport, Conn

WANTED, first-class greenhouse man who understands general greenhouse work; must be up in geraniums, carnations, begonias, etc.; good wages. Address A. A., care Florists' Exchange.

WANTED—A steady reliable young man with some experience as assistant in commercial place; wages $18 and board per month; state age, experience and where last employed. Geo. S. Belding, Middletown, N. Y.

WANTED, BY NOV. 15TH, RESPECTable single man, good hand with brides and bridesmaids; wages, with board, $30.00 per month to start; will pay more to one who grows nice stock. Address F. Holzsagle, Highland Park, Detroit, Mich.

MISCELLANEOUS WANTS.

WANTED—Second-hand Hitchings Boiler No. 16, or any other boiler which is heating about 1000 feet 4-inch pipes; must be in good order. Chas. Reinert, Etna, Bergen Co., N. J.

BUSINESS OPPORTUNITIES.

RANGE of greenhouses containing 5,500 sq. ft. of glass all in good order; good retail trade, situated 5 miles from New York City; or sale at reasonable price; owner retiring from business. Address Z. N., care Florists' Exchange.

FOR SALE—Owing to the death of the owner, small green house and stock, in a prosperous Southern City of 25,000; only business of the kind in City; no reasonable offer refused; correspondence invited. Foster Carter, Shreveport, La.

FOR SALE—Seven greenhouses, comprising 12,000 feet of glass, stable and cottage, on about 1 acre of ground, near railroad station, 4 miles from Newark, N. J. Address A. N., care Florists' Exchange.

FOR SALE—On account of ill health, my range of greenhouses of 15,000 square feet glass, in good order and well stocked; largest retail trade in state; good barn; sheds and 7-room dwelling with same. Write for particulars, heated part steam and hot water. Address A. K., care Florists' Exchange.

FOR SALE at a bargain, in a thriving wide-awake town, 60 miles from New York, where there are no other florists, a new iron frame greenhouse, 158 feet long, with propagating house, No. 6 Weathered heater, potting shed, etc.; two acres of land facing south; only little cash needed. A. B., care Florists' Exchange

FOR SALE—In a prosperous City of 30,000, 6 miles from New York; 6 city lots, 100x145 dwelling house and barn in good condition, 2 greenhouses, iron construction, as good as new, 100x12 and 7 x20, heated with hot water, 4-inch pipe, glass, 10x8, for 3 more greenhouses; 50 new hotbed frames, 18 tons of coal, and stock. Good home sale; will sell at reasonable price, owner retiring from business. Address A. J., care Florists' Exchange.

Chicago.

State of Trade and Weather.

The warm, balmy Indian Summer weather is responsible for an enormous stock of roses, so unwieldy that it is hard to get rid of the gluts except at very low prices. These conditions can hardly improve while such weather lasts. As yet we have had no killing frosts, right up to November. Even cannas are flowering where left undisturbed, and cosmos are a blaze of blossoms. If we are to have our usual foggy, cloudy weather during November, the question is what affect will it have on rose stock, that can hardly, with present conditions, make good sturdy growth?

As usual, about this time, heavy shipments of chrysanthemums are going to New Orleans, which helps to relieve the market of quite a number. E. H. Hunt and E. C. Amling alone shipped 2,000 blooms there the past week. A few dozen extra choice flowers have reached the $4 mark; but the prevailing price is from $2 to $3.50 per dozen for extra good stock.

The end of last week trade was fairly brisk, owing to the big "Prosperity Parade," when each of 36,000 marchers wore either a yellow chrysanthemum or a carnation (mostly white) as a boutonniere.

The Flower Show.

The eleventh annual show of the Horticultural Society opens in the Auditorium for the second time, on Tuesday, November 6, which, by the way, is election day. As usual, the press committee, for a week past, has been given liberal space in the daily papers. We learn from Secretary Rudd that entries and inquiries so far look very favorable. The schedule for cut blooms and plants does not greatly vary from that of other years, except in the elimination of the international contest for chrysanthemums.

On Friday, November 9, the Chrysanthemum Society of America offers the following trophy to be competed for at this exhibition: A silver cup for the best 10 blooms of chrysanthemums of any one variety. This contest is also expected to call forth strong competition and bring out some grand flowers. The judges this year are P. O'Mara, New York; John N. May, Summit, N. J.; and Emil Buettner, Park Ridge, Ill. C. D. Peacock offers a silver vase for the best new rose not heretofore exhibited in this country. It is expected many prominent growers will enter for this competition.

The Auction of Palms, etc.

The Harms Park Floral Co.'s auction sale, on Wednesday and Thursday, of Chicago grown palms and other decorative plants, may be looked upon as a success, and the firm is satisfied.

Jottings.

Anton Lisl, a florist employed in Brant & Noe's greenhouses, Forest Glen, was murdered Saturday night. He had been married only three months. One George Dolinski, who worked for George Reinberg a brother-in-law of Lisl, has been arrested as the supposed murderer.

E. E. Pieser had a bad attack of tonsilitis that kept him abed the past week. He is now at the store again.

J. B. Deamud received a consignment of 123,000 hardy ferns from the East.

McKellar & Winterson have received a lot of fancy basket work the past week.

Arnold Ringler reports that the quality of lycopodium will be unusually fine this year owing to seasonable rains. Picking did not begin until late, and the supply now depends upon the weather holding open late enough.

Ed. Marriott, of Woodland Park Floral Co., Seattle, Wash., is in the city and reports trade good there.

W. E. Lynch has retired from the wholesale business and engaged with E. H. Hunt, to handle the cut flower branch of that firm. Ess.

Philadelphia.

The Market.

Many of the retail stores have been busy with wedding orders and decorative work, but, as a general thing, none of the stores is busy; and from all indications the season will be late before the flower business gets on full swing. The weather keeps altogether too warm for this time of year, and the quantity of cut flowers increases every day. Fair roses can be bought at $1 per 100. Nothing but the very best stock of anything is bringing a fair price. As reported last week, the busiest people are the street men, who are reaping a good harvest, being seen on every prominent street loaded down with trays of flowers. Even several growers have the past week found these parties a good means of getting rid of the surplus stock. While the street men are selling lots of flowers, the commission houses are throwing a great many in the rubbish barrels.

Club Meeting.

Tuesday next will be club meeting and coming on election night a large crowd is anticipated.

Chrysanthemum Show.

Entries for the chrysanthemum exhibition, which opens on Nov. 13, are now coming in by every mail. From present indications there will be some grand plants seen again this year. One old-time exhibitor has plants six feet in height, and as many feet through, carrying from 120 to 140 flowers. On account of the humid weather much trouble has been experienced with some varieties damping off around the outer petals. Madeira has been the worst seen. Commercial growers have been greatly troubled with this, and more so where the house had no side ventilation.

DAVID RUST.

COLEUS C. Verschaffeltii, good plants, from 2½ in. pots, $1.75. Golden Bedder and other sorts, $1.50 a 100; rooted cuttings, 50c. per 100 Cash with orders. This will not appear again.
MRS. M. CAVANAUGH, Ionia, N. Y.
Mention the Florists' Exchange when writing.

FORGET-ME-NOT
True Winter flowering, fine plants, out of 3 inch, $2.50 per 100.
J. C. SCHMIDT, BRISTOL, PA.
Mention the Florists' Exchange when writing.

SMILAX PLANTS, strong bushy plants, 2 and 2½ in., $5 a 1000; 75 cts. a 100, cash. Must be sold to make room. Sample free to intending buyers. Special price for lot of 20,000.
VIOLETS GONE.
R. KILBOURN, - - Clinton, New York.
Mention the Florists' Exchange when writing.

NOTICE.
Wanted, the northern florists with whom I dealt to know that I have not asked for any money with which to commence business again. I had already started my business before any contributions were received, without even having money. I am only accepting plants forwarded to my address, where I am able to make up for them with later orders. Any cut flowers or blooming chrysanthemums sent me will be highly appreciated.
MRS. CHAS. EICKHOLT,
2319 Ave. M, - GALVESTON, TEX.

BUSINESS OPPORTUNITIES.

FOR SALE—GREENHOUSE PLANT OF 6 houses, in Jersey City, well stocked and in full operation. Address Y. W., care Florists' Exchange.

FOR SALE THE McKELLAR FLORAL Establishment at Chillicothe, Ohio, consisting of 1.16 acres land, located inside the city limits, on which are located 13 greenhouses, all in first-class condition, and well stocked with roses, carnations, palms, and general line of potted plants of all kinds. Natural gas fuel, steam heating apparatus throughout; 4 acres additional adjoining property if more required; divided to suit. Business established over 40 years. This is the best floral establishment in southern Ohio. Population of Chillicothe is 15,000. For further particulars address Silas F. Garrett Executor, Chillicothe, Ohio, or Chas. W. McKellar, 47 Wabash Ave., Chicago.

MISCELLANEOUS.

SPECIAL OFFER—Have on hand one thousand pasteboard mailing tubes, size 8x2½ in., closed at one end. Will sell to highest bidder in quantities to suit. Make an offer. Address A. H., care Florists' Exchange.

7000 MODEL CARNATION SUPports for sale cheap, because I no longer grow carnations. This is the best support on the market and these are as good as new. Frank McMahon, Sea Bright, N. J.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.
HITCHINGS & CO., 233 Mercer St., New York.
Mention the Florists' Exchange when writing.

Hot-Bed
Sash
Tenons white-leaded. Corners secured with iron dowel pins. Every detail of construction perfect. Made of Clear Cypress Lumber.
Quick Shipments.
We have in stock and can ship immediately:

3	ft. x 6 ft.,	3 rows 10 in.	glass.
3 ft. 3 in. x 6 ft.,	4	" 8 in.	"
4	ft. x 6 ft.,	5 " 8 in.	"

Not glazed, 1¾ in. thick.
Delivered Prices
Quoted on application. State size and quantity wanted. No order too small to receive careful attention, and none too large for our facilities.
LOCKLAND LUMBER CO.,
Lockland, Ohio.
Mention the Florists' Exchange when writing.

Asparagus Comorensis
The Best for Strings.
Fresh Seed, $5.00 per 1000, postpaid.
SO. CAL. ACCLIMATIZING ASSOCIATION,
Santa Barbara, Cal.
Mention the Florists' Exchange when writing.

GERANIUMS
Rooted Cuttings.
Beaute Poitevine, Mme. Jaulin, A. Ricard, S. A. Nutt, Double Grant, $2.00 per 100; $15.00 per 1000. Cash with Order.
J. B. SHURTLEFF, Jr., Revere, Mass.

PARSLEY
Large field-grown clumps, 75c. per 100; $5.00 per 1000.
LETTUCE, Grand Rapids, Boston Market, and others, 15 cts. per 100; $1.00 per 1000.
TOMATOES, true forcing, 25c. a 100; $2 00 a 1000
J. C. SCHMIDT, Bristol, Pa.
Mention the Florists' Exchange when writing.

COLEUS
Fine stock in 2½ and 3 inch.
Write for Prices.
J. E. FELTHOUSEN, Schenectady, N.Y.
Mention the Florists' Exchange when writing.

GERANIUM "AMERICA"
A QUEEN AMONG GERANIUMS.
"Plants not one foot high often have a dozen trusses at one time. One of the brightest, cheeriest varieties in the whole Geranium family."
May, 1900. EBEN E. REXFORD, in *Vick's Magazine*.
$8.00 per 100. 25 at hundred rate. Ready now.
HENRY EICHHOLZ, Waynesboro, Pa.
Mention the Florists' Exchange when writing.

VEGETABLE PLANTS
CABBAGE H. Succession, Flat Dutch, Jersey and Charleston Wakefield, 15c. per 100; $1.00 per 1000; $8.50 per 10,000.
LETTUCE Grand Rapids, Curled Simpson, Boston Market and other varieties, 15c. per 100; $1.00 per 1000; $8.50 per 10,000.
PARSLEY Good curled extra strong, 25c. per 100; $1.50 per 1000.
CAULIFLOWER H. Snowball, 35c. per 100; $2.50 per 1000.
If wanted by mail, add 10c. per 100 on Cabbage, Lettuce and Cauliflower. 25c. per 100 on Parsley. Cash with order
R. VINCENT, JR. & SON, White Marsh, Md.
Mention the Florists' Exchange when writing.

PANSIES WORTH RAISING.

Pansy Plants all sold for the present.

CHR. SOLTAU, 199 Grant Avenue, Jersey City, N. J.

Mention the Florists' Exchange when writing.

Zirngiebel Giant Pansy

PLANTS NOW READY.

Giant Market, $5.00 per 1000. Giant Fancy, $10.00 per 1000. Also Seeds of the above strains, trade packages at $1.00 each.

DENYS ZIRNGIEBEL, Needham, Mass.

Mention the Florists' Exchange when writing.

PANSY PLANTS

Of finest strains, per 1000, $4.00.

VINCA MAJOR Fol. Variegata, strong clumps from field, per 100, $6.00.

CANNA ROOTS 1-3 eyes as they drop while digging, per 1000, $10.00.

FOR CASH.

WILLIAM STUPPE, Hollis, L. I., N. Y.

Mention the Florists' Exchange when writing.

PANSIES

The Jennings Strain.

My 1900 strain cannot be excelled; plants, finest mixture, 60c. per 100, by mail; $4.00 per 1000, by express. Seed $1 per pkge.; $5 per oz. Cash with order.

E. B. JENNINGS, Lock Box 254, Southport, Conn.

Grower of the finest Pansies

Mention the Florists' Exchange when writing.

PANSY PLANTS

Giant, fine mixed, very strong, per 1000, $3.00.

Orders not solicited for less than 500. Special prices on 10,000 or more, buyer to pay express charges. Cash must accompany order.

JOHN LAPPE, - Maspeth, L. I.

The Largest Pansy Grower in America.

Mention the Florists' Exchange when writing.

Roemer's Superb Prize

PANSIES

PLANTS READY NOW.

Free by mail, 65 cts. per 100; 250 for $1.50. By express, $4.00 per 1000; $7.00 per 2000; $10.00 per 3000; $15.00 per 5000.

CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.

Grower of Extra Fine Pansies.

Mention the Florists' Exchange when writing.

$2.00 Per 1000

TO CLOSE OUT.

GIANT PANSIES { Roemer's. Trimardeau.

HARDY DAISIES { Longfellow. Snowball.

CALIFORNIA PRIVET,

Well branched, $2.50 per 100; $20.00 per 1000.

BOSTON FERNS,

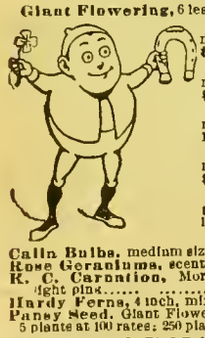
2½ in. pots, 2½ cts. each. Cash, please.

BYER BROS., Chambersburg, Pa.

Mention the Florists' Exchange when writing

PANSY PLANTS

Giant Flowering, 6 leaved. 100, 40c.; 1000, $2.50.



Geraniums, choice mixed, 2½ inch Per 100, $1.50; per 1000, $12.50.

Chinese Primroses, mixed, 2½ inch. Per 100, $1.50; per 1000, $12.50.

Hardy Gross Pinks, mixed or separate. Per 100, $1.50; per 1000, $12.50.

Begonias, Flowering, mixed, 2½ inch. Per 100, $1.50; per 1000, $12.50.

Sedum Variegatum, border plant, 2½ inch. Per 100, $2; 1000, $15.

	100	1000
Calla Bulbs, medium sized	$5 00	$40 00
Rose Geraniums, scented	1.50	12.50
R. C. Carnation, Morning Glory, light pink	6.00	40.00
Hardy Ferns, 4 inch, mixed	5.00	40.00

Pansy Seed, Giant Flowering, oz., $1. 5 plants at 100 rates; 250 plants at 1000 rates. Cash.

THE MORRIS FLORAL CO., Morris, Ill.

Mention the Florists' Exchange when writing.

XXX STOCK For Immediate Shipment.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM, finest strain in the world, in four true colors, a splendid stock of plants, well set with buds, from 3 in. pots, $7.00 per 100, $65.00 per 1000; from 4 in. pots, extra fine, $1.50 per doz.; $12.00 per 100.

NEW CROP SEED (now ready). Album, pure white; Rubrum, dark red; Roseum, brigh rose; Picturatum, white, claret base; separate, per 100 seeds, $1; per 1000 seeds, $9.00; mixed, 50c. per 100; $3.00 per 1000. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

VIOLETS. VIOLETS.

Marie Louise, clean and healthy to every particular 3 in. pots, $5.00 per 100; ready. Cash with Order.

WM. J. CHINNICK, - Trenton, N. J.

Mention the Florists' Exchange when writing.

IF YOU NEED ROSES Send us your list for prices.

THE C. A. REESER CO. URBANA, OHIO. Wholesale Rose Growers.

Mention the Florists' Exchange when writing.

SNOWFLAKE New Everblooming Polyantha White Cluster Rose for Forcing It will be a coming pure white standard material for fine design work, also for 6-inch pans, buttonholes, etc. True and good, by no mistake, easy to raise, easy to propagate. Plants, 2 in. pots doz. $2.50; 100, $15.00. 3 in. pots. doz., $4.00; 100, $25.00 Rooted Cuttings, in moss, by mail, per 100, $10. Euphorbia Jacquiniæflora, 2 inch pots, per 100, $8.00.

ALBERT KNAPPER, Frankford, Phila., Pa.

Mention the Florists' Exchange when writing.

ROSE PLANTS

In varieties, from 2½, 3 and 4 inch pots. Write for prices.

	100
Lemon Verbena, 3 in. pots	$4 00
Sansevieria Zeylanica, 3 in. pots	6.00
Asparagus Plumosus, 2½ in. pots	5 00
Asparagus Sprengeri, 2½ in. pots	4.00
Nephrolepis Cordata Compacta, 2½ in.	3.00
N. Cordata Compacta, 3 in. pans...per doz.,	6.00
Field-Grown, Scotch Hardy Pinks, at $3.50 per 100; $30.00 per 1000. 8 varieties.	

THE NATIONAL PLANT CO., Dayton, Ohio

Mention the Florists' Exchange when writing

ROBT. CRAIG & SON, ROSES, PALMS, CROTONS, ...CARNATIONS... and Novelties in Decorative Plants. Market and 49th Sts., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

ROSES

For Late Planting.

Strong, healthy plants of Bride, Perle, La France and Bridesmaid, from 4 inch pots, at $6.00 per 100.

ASPARAGUS SPRENGERI

Strong, 4 inch pots, $10.00 per 100.

DRACÆNA INDIVISA

Strong 4 inch pot plants, $8.00 per 100
Strong 5 inch pot plants, $12.00 per 100

I. H. MOSS, Govanstown, BALTIMORE, MD.

Mention the Florists' Exchange when writing.

ROSES

Perle	Sunset
Bridee	Golden Gate
Bridesmaid	Maid of Honor
Bon Silene	Mermet

Strong clean plants, from 3 inch pots, $5 per 100; $40 per 1000.

Strong, Field-grown CARNATIONS Healthy Stock

America, Gen. Maceo.
1st size, $8.00 per 100; $70.00 per 1000
2d size, $6.00 per 100; $50.00 per 1000

Melba, Genl. Gomez, Armazindy.
1st size, $7.00 per 100; $60.00 per 1000
2d size, $5.00 per 100; $45.00 per 1000

Firefly, Psyche, Sea Shell, Victor.
1st size, $5.00 per 100; $40.00 per 1000
2d size, $4.00 per 100; $35 00 per 1000

SMILAX strong plants, from 2¼ in. pots, $2.50 per 100; $18.00 per 1000.

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

4 ACRES FIELD-GROWN CARNATION PLANTS—120,000

MAYOR PINGREE, MAUD ADAMS, DOROTHY SWEET, ALBERTINI, CRIMSON SPORT, JUBILEE, MRS. FISHER, C. A. DANA, ELDORADO, McGOWAN, L. L. LAMBORN, SWEET BRIER, PORTIA

$1.00 PER DOZEN; $4.00 PER 100.

Mention this paper. J. L. DILLON, BLOOMSBURG, PA.

CARNATIONS TO CLOSE OUT

Armazindy, Evanston, Dana, Portia, Eldorado, at $3.00 per 100; good plants. Cash. All others sold.

DANA R. HERRON, - Olean, N. Y.

Mention the Florists' Exchange when writing.

FIELD-GROWN CARNATIONS

2000 Eldorado, 1500 McGowan, 400 Nivea, $2.50 and $3.50 per 100; 250 each Daybreak and Victor, 500 each Portia, Dana and Gold Nugget, 300 each Bridesmaid and Evanston, 100 Kitty Clover, $3.50 and $4.50 per 100. Cash.

E. A. LLEWELLYN, Olean, N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS

Field-grown, strong, healthy plants Eldorado, Scott, McGowan and Portia, $4.00 per 100.

MARIE LOUISE AND CALIFORNIA VIOLETS

Fine clumps, 5c. each.

GEO. F. CURWEN, Villa Nova, Del. Co., Pa.

Mention the Florists' Exchange when writing.

CARNATION PLANTS ALL SOLD.

Ready to book your orders for rooted cuttings of all the leading varieties for Spring delivery. Let me quote you price before placing your orders.

WM. MURPHY, Wholesale Carnation Grower, Sta. F., CINCINNATI, Ohio.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Stock plants of Ivory, Glory of Pacific, Mrs. H. Robinson and Bonnaffon, 50 cents per dozen.

GERANIUMS, 2½ inch pots..... $2.50 per 100
CUT SMILAX.....20 cents per string
Cash with Order.

WM KEIR, - Pikesville, Md.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Stock plants. New and standard varieties. Send for list. Early varieties ready now.

CARNATIONS Field-grown plants all sold. Orders booked now for rooted cuttings of GENEVIEVE LORD, the finest commercial pink to date. Ready January 1st. $5.00 per 100; $40.00 per 1000. Correspondence with large growers especially invited. H. WEBER & SONS, Oakland, Md

Mention the Florists' Exchange when writing.

GOOD SCOTT CARNATION

plants from the field, $4 per 100; $35 per 1000.

Also some good

METEOR CARNATIONS

At same prices.

CHARLES E. MEEHAN, Germantown, - Phila., Pa.

Mention the Florists' Exchange when writing.

CARNATIONS

WM. SWAYNE, Kennett Square, Pa.

Mention the Florists' Exchange when writing.

VIOLETS

L. H. Campbell, extra large, healthy, field-grown clumps, $4.00 per 100; $35.00 per 1000. 500 at 1000 rate.

SMILAX, very fine, large plants, $2.00 per 1000.

GUSTAV PITZONKA, Bristol, Pa.

Mention the Florists' Exchange when writing.

VIOLETS

Extra strong, field-grown clumps.

California..... .....$4.00 per 100.
Princess of Wales..... 5.00 "

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing

CARNATIONS

F. DORNER & SONS CO., LaFayette, Ind.

Mention the Florists' Exchange when writing.

CARNATIONS

Evelina, John Young, Genesee, Freedom, and White Cloud.

'MUMS Stock plants from 6 inch pots or bench, ready now. Mme. Bergmann, J. A. Kolb and Gloire de Pacific, $1.00 per doz.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing.

Rooted Cuttings

—OF—

ROSES and CARNATIONS

of all leading varieties. Orders booked now for delivery about December 10th.

GEORGE REINBERG,

51 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

CARNATIONS

10,000 Stock Plants of ETHEL CROCKER.

Other varieties in proportion. Let me figure on your orders, I'll make it worth the trouble of writing for prices now.

AGERATUM "STELLA GURNEY"

From pots or rooted cuttings, by the 100 or 1000.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

100,000 Carnation Plants

LARGE, HEALTHY, FIELD-GROWN PLANTS.

	Per 100	Per 1000
WM. SCOTT	$2.50	$20.00
McGOWAN	2.50	20.00
EVELINA	2.50	20.00
ARMAZINDY	2.50	20.00
NIVEA	2.50	20.00

Orders for less than 50 of any variety not accepted.

PETER REINBERG,

51 Wabash Ave., Chicago, Ill.

Mention the Florists' Exchange when writing.

EXPRESS PAID. Cyclamens and Primroses for Christmas blooming. Cyclamen Giganteum and Persicum 4 inch, $8.00 per 100. Chinese Primroses, 3 inch, $4.00 per 100; 4 inch, $6 00 per 100. Pansy Seed, prize mixture of Bugnot Cassier and Odier, $2 50 per ounce.
SAMUEL WHITTON, 15-17 Gray Ave., Utica, N. Y.
Mention the Florists' Exchange when writing.

200,000 Peach Trees

This stock is thrifty and healthy. All grown from Tennessee pits. No better Peach stock to be had.
Address
STEPHEN HOYT'S SONS, New Canaan, Conn.
Mention the Florists' Exchange when writing.

FLORISTS' ORCHIDS

SANDER
ST. ALBANS, ENGLAND
AND
BRUGES, BELGIUM.

The largest and finest stock in the world.
A. DIMMOCK, our representative, is now in the U. S., and will be pleased to reply to any communications addressed to 60 Vesey Street, New York. Lists on application.
Mention the Florists' Exchange when writing.

ORCHIDS

A splendid stock of established and unestablished Orchids always on hand. A number of varieties now in sheath and spike.
CORRESPONDENCE SOLICITED.
LAGER & HURRELL, Summit, N. J.
Mention the Florists' Exchange when writing.

PALMS AND BOSTONS

WALTER RETZER & CO.,
2045-59 CLARENDON AVE., (N. Halsted Street), Chicago, Ill.
Mention the Florists' Exchange when writing.

	Per 100
Ferns, in variety, 2½ in. pots	$3.00
Cryptomeria Japonica (Japan Cedar), 2½ in pots	5.00
Cyperus Alternifolius (Umbrella Plant), 2 in. pots	2 00
" " 3 in. "	3.00
" " 4 in. "	5.00
Grevillea Robusta (Silk Oak), 4 in pots	7.10

LOW EXPRESS RATES.
J. S. BLOOM, Riegelsville, Pa.
Mention the Florists' Exchange when writing

FIELD-GROWN DRACÆNAS

24 to 28 inches high, fine strong plants, $1.25 per doz.; $10.00 per 100.
175 SMILAX Extra fine, 2½ inch, at 2 cts.
S. S. PECKHAM, New Bedford, Mass.
Mention the Florists' Exchange when writing.

CHOICE FERNS IN FLATS.

100,000 at One Cent.
JOHN H. LEY, Good Hope, Washington, D. C.
Can supply very good, hardy plants, which, potted now, will fill a 2½ in. pot in a few weeks, best market sorts. Have sent by mail and express to every State and Canada, and have given universal satisfaction.
Sample 100 mailed, $1.25
1000, in 10 Sorts, by Express, $10.00.
Pteris Cretica Alba, P. Adiantoides, P. Longifolia, P. Hastata, P. Sulcata, P. Tremula, Adiantum Grandiceps, Nephrodium Cristatum, Lygodium, Lomaria Gibba, Selaginellas, &c., &c.,
POST ORDERS, GOOD HOPE, D. C.
Mention the Florists' Exchange when writing

A SNAP TO THE RIGHT MAN

One-Half or the Entire Stock of
Palms, Ferns and Decorative Plants
20,000 **Latania Borboulca,** in 3, 4, 5, 6, 7 and 8 in. pots, in good shape; good stock of other sorts. Will be sold at a big sacrifice. I cannot care for them. Write or call soon. It will pay if you mean business. Good discount on smaller lots.
W. J. HESSER, Proprietor Palm Gardens Plattsmouth, Neb.
Mention the Florists' Exchange when writing.

BOSTON FERNS

Now ready. $5.00 per 100.
H. L. CAMERON, No Cambridge, Mass.
Mention the Florists' Exchange when writing.

The Boston Fern
A SPECIALTY.

Very fine plants at from $5.00 per 100 to $1.50 each. None better. True stock.
ASPARAGUS — PALMS — FICUS
L. H. FOSTER, 45 KING STREET, Dorchester, Mass.
Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.
Mine is the Genuine Stock.
FRED. C. BECKER, Cambridge, Mass.
1780 CAMBRIDGE ST.
Mention the Florists' Exchange when writing.

Jardiniere Ferns

ELEGANT STOCK.
$3.00 per 100; $25.00 per 1000.
Roses for the South. Varieties most adapted for southern planting. Just the thing you want. Stock A No. 1. Write for Price List.
J. B. HEISS, The Exotic Nurseries, Dayton, Ohio.
Mention the Florists' Exchange when writing.

FERNS For dishes, etc., in 6 of the leading varieties, from 2½ in., $3.00 per 100.

ASPARAGUS Plumosus Nanus, 3 inch, $5.00 per 100; strong, 3½ in., $8 per 100.

FORGET-ME-NOT True Winter-flowering, 3 inch, $3.00 per 100; 4 inch, 75 cts. per dozen.

PELARGONIUMS in six of best bloomers, mixed, from 3 in., $3 a 100.

JOHN G. EISELE, 20th and Ontario Sts., PHILA., PA.
Mention the Florists' Exchange when writing.

ASPARAGUS

SPRENGERI and PLUMOSUS NANUS.
Extra strong stock, from 2½ inch pots, $5.00 per 100; $10.00 per 1000. (Ready for 3 inch.)
JACKSON & PERKINS CO. NEWARK, NEW YORK
Mention the Florists' Exchange when writing.

ARAUCARIA EXCELSA

4 to 5 tiers, 24 in. high $1 50
5 to 7 " 24 to 30 in. high 2 00

DRACÆNA FRAGRANS.

18 in. $1 00
22 to 24 ..... 1 50

All Stock. Measurements from top of Pot.
HESSION, Clarkson St., BROOKLYN, N.Y.
Mention the Florists' Exchange when writing.

FERNS. FERNS.

This year our ferns are in fine shape. A good variety and fine bushy stock. 2¼ in. pots, $3.00 per 100; $28 00 per 1000.
Asparagus Plumosus Nanus, 2½ in. pots, strong, $6.00 per 100.
Asparagus Sprengeri, 2½ in. pots, strong, $4.00 per 100.
HENRY WESTON & BRO., Hempstead, N.Y.
Mention the Florists' Exchange when writing.

FINE PALMS.

Kentia Belmoreana and **Forsteriana**—4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each; 7 in. pots, $1.75 to $2.00 each; larger plants, from $2.50 upwards.
Phœnix Reclinata, 4 in. pots, $20 per 100; 5 in. pots, $40 per 100; 6 in. pots, 35c. each; 7 in. pots, $1.25 each; specimen plants, $2.00 upwards.
Areca Lutescens, 3 in., $15 per 100; 4 in., $25 per 100.
Latania Borbonica, 4 in., $20 per 100.
JOHN BADER, Troy Hill, Allegheny, Pa.
L. D. TELEPHONE 872A.
Mention the Florists' Exchange when writing.

BRYAN Prices on ADIANTUM CUNEATUM SPECIAL cash sale

to last **one week only.** In order to make room for younger stock, we offer the following sizes, all extra good plants, ready for larger pots, at the exceedingly low figures:

	100	1000
5 inch	$20.00	$190 00
4 "	10.00	95.00
2½ "	3.00	25.00

500 at 1000 rate.
All above is excellent stock, and if you have an empty corner do not hesitate, but order at once. Your money returned, if not satisfactory. TELEPHONE CALL 29.
ANDERSON & CHRISTENSEN, Short Hills, N.J.
Mention the Florists' Exchange when writing.

CRYPTOMERIA JAPONICA (JAPAN CEDAR)

Takes the place of Araucaria Excelsa; sells everywhere and everybody is pleased with it; it is a money-maker. Strong stock, from 2 in. pots, $5 00 per 100; or send $1.00 for a sample of 20, and you will soon want more.
E. I. RAWLINGS, Quakertown, Pa.
Mention the Florists' Exchange when writing.

PALMS

Ferns, Asparagus, etc.
Write for Wholesale Price List.
EMERSON C. McFADDEN, Short Hills, N. J.
U. S. EXOTIC NURSERIES.
Mention the Florists' Exchange when writing.

BIG BOSTON FERNS

Pot-grown, ready for 8, 9, 10 in., 20 to 30 fronds, 2 to 3 feet long. There is money in them for you, just what you want for Fall trade. First size, $1.00; 2d size, $75 cts. each. Get them while they are going. Cash, please.
A. J. BALDWIN, Newark, Ohio.
Mention the Florists' Exchange when writing.

Adiantum Cuneatum

2½ in. pots, $4 per 100; 3½ in. pots, $6 per 100 3½ in. pots, large plants, $10 per 100; selected plants, 8½ in. pots, $12 per 100.

Asparagus Sprengeri

2½ in. pots, $4 per 100; $30 per 1000.
3 in. pots, $5 per 100.
EDW. J. TAYLOR, Southport, Conn.
Mention the Florists' Exchange when writing

AT A BARGAIN.

500 Bridesmaid Roses, 3-in., goods tock, s $4.00 per 100; the 500 for $18.00 cash.
Palms, Kentia, Belmoreana, 2-in., per 100 $7.00; 3-in., per 100, $20.00.
Latania Borbonica, 3-in., per 100, $15.00.
Dracæna Sanderiana, 2-in., per doz., $1.50.
Selaginella Emmeliana, 2-in., per 100, $3.00.
Asparagus Sprengeri, fine, 2-in., per 100, $4.00.
Grevillea Robusta, 3-in., per 100, $5.00.
Rex Begoniae, 3 in., in 10 good varieties, per 100, $7.00.

SMILAX.

Good Stock, from Pots, at $1.25 per 100; $10 per 1000.
Satisfaction Guaranteed. Cash with Order.
GEO. L. MILLER, Newark, Ohio.
Mention the Florists' Exchange when writing.

A Few Good Things You Want

KENTIA BELMOREANA and **FORSTERIANA,** 2½ in., 10c.; 3 in., 18c.; 4 in., 35c.; 6 in., 50c. each.
ARECA LUTESCENS, 3 in., 3 plants to pot, 18c.; 4 in., 25c. each. All cool grown, nice clean stock, and cannot be duplicated anywhere for the money.
BOSTON FERN, 3 in., $8.00; 4 in., $15.00; 5 in., $30.00 per 100.
SWORD FERN, Nephrolepis Cordata Compacta, 2½ in., $3.00 per 100.
SMILAX, 2 in., $2.00 per 100.
ROSE BRIDESMAID, 3 in., $5.00 per 100.
REX BEGONIA, finest varieties, 2½ in., $4.00; 3 in., $5.00 per 100.
GERANIUMS, double and single, Grant, Mme. Brunet, Mrs. E. G. Hill, Poitevine, Bonnat and S. A. Nutt, 3 in., $5.00 per 100.
CAMPBELL VIOLET and **VINCA VAR.,** 2½ in., $3.00 per 100.
PRIMULA CHINENSIS, 2 inch, $3.00; 3 inch, $4.00 per 100.
CYCLAMEN GIGANTEUM, 2½ inch, $4.00; 3 inch, $8.00 per 100.
ASPARAGUS Sprengeri and **Plumosus,** 2 in., $5.00; 3 in., $8.00 per 100. Cash with order.
Will exchange any of above for good field-grown plants of Flora Hill Carnation.
GEO. M. EMMANS, Newton, N. J.
Mention the Florists' Exchange when writing

THESE plants have a long thrifty growth and are ready for a shift or immediate sale. They have been grown cool and can be safely shipped to any part of the country.

Boston Fern. From 2½ inch pots, $3 00 per 100; $25.00 per 1000. From 4 inch pots, $1.00 per doz., $8.00 per 100.
Asparagus Sprengeri. From 2½ inch pots, $2.50 per 100; $20.00 per 1000. From 4 in. pots, $1.00 per doz., $8.00 per 100.
Asparagus P. Nanus. From 2½ inch pots, $4 00 per 100; $35.00 per 1000. From 4 in. pots, $1.00 per doz., $8.00 per 100
New Hibiscus, Peachblow. From 2½ in. pots, $4 a 100.
Boston Ivy. (A. Veitchii,) Pot grown, $3.00 per 100; $25 00 per 1000.
200,000 Roses. From 2½ inch pots, $2 50 per 100; $20.00 per 1000.
Golden Gate, Crimson Rambler, La France, Striped La France, White La France, Mosella, Kaiserin, Bride, Maid, Etoile de Lyon, Meteor, White Maman Cochet, Maréchal Niel, Pink Maman Cochet, C. Soupert, Pink Soupert, The Queen, Muriel Graham, Burbank, Marie Van Houtte, Gen. Lee, Malmaison, Mrs. Degraw, P. Pere, Abel Chatenay, Caroline Marniesse, Yellow Rambler, Empress of China.
Cash With Order, Please.
THE JOHN A. DOYLE CO.
SPRINGFIELD, OHIO.
Mention the Florists' Exchange when writing.

Adiantum Farleyense

Nicely Furnished Specimens.

5 inch pots	$12.00 per doz.
4 " "	6.00 "
3 " "	3.00 "
2½ " "	15.00 per 100.

PANDANUS VEITCHII

7 inch pots, beautifully shaped, variegated, $2.00 each.

PANDANUS VEITCHII

4 inch pots, $50.00 per 100.
Large specimens, $3.00 to $5.00 each.
QUALITY THE BEST.
J. A. PETERSON,
405 Race Street, CINCINNATI, OHIO.
Mention the Florists' Exchange when writing.

50,000 BOSTON FERNS

I Make a Specialty of
N. EXALTATA BOSTONIENSIS
Small plants, $4.00 per 100 or $30.00 per 1000; large plants, $6.00 to $20.00 per 100; taken from the bench.
—ALSO A FINE LOT OF—
Kentias, Belmoreana and Forsteriana, 5 in. pots, $6.00 per doz.; 6 in. pots, from $1.00 to $1.50 each; 7 in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 in. pots, $3.00 and $4.00 per doz.
Asparagus Plumosus, 3½ in. pots, $10.00 per 100.
Araucaria Excelsa, 20 to 24 in. high, 5 to 6 tiers, 6 in. pots, $1.50 each; larger size, $2.00 each.
Rubber Plants, 20 to 32 in. high, $5.00 to $9.00 per doz.
Chinese Primroses, 3½ inch pots, $6.00 per 100; 5 in. pots, bud or bloom, $12.00 per 100.
Cyclamen, 3½ to 6 in. pots, $2.00 to $6.00 per doz
WM. A. BOCK, No. Cambridge, Mass.
Unknown correspondents will send cash with orders. Connected with Telephone.
Mention the Florists' Exchange when writing.

ARECA LUTESCENS

3 plants, 6 inch pot, 24 to 28 inches ..... $12 00 per doz.; $100.00 per 100.
3 plants, 8 inch pot, 36 inches ..... $3.00 each; $35.00 per dozen.

COCOS WEDDELIANA.

1 plant, 2½ in. pot, 8 to 10 in. high ..... $15.00 per 100.
1 plant, 3 in. pot, 10 to 12 in high ..... 20 0 per 100.
1 plant, 4 in. pot, 18 in. high ..... .50 each.
3 plants, 5 in. pot, 18 in. high ..... 1.00 each.

KENTIA BELMOREANA.

	Per doz.	Per 100
4 in. pot, 5 to 6 leaves, 15 in. high	$1 50	$35 00
6 in. pot, 6 leaves, 24 in. high	15 00	125 00
8 in pot, 6 to 7 leaves, 30 to 32 in. high	each, $3 00	

KENTIA FORSTERIANA.

	Per doz. Each	Per 100 Doz.
4 in. pot, 4 to 5 leaves, 15 in high	$4 50	$35 00
8 in. pot, 6 leaves, 36 to 40 in. high	$3 00	$36 00
8 in pot, 6 leaves, 48 to 50 in. high	4 00	48 00
6 in. pot 5 leaves 24 to 28 in. high	1 00	12 00
6 in. pot, 5 to 6 leaves, 30 in. high	1 25	15 00

All in perfect form and entirely free from insects or blemishes of any kind
All measurement from top of pot.

JOSEPH HEACOCK, - Wyncote, Pa.
Mention the Florists' Exchange when writing.

Asparagus Plumosus Nanus, EXTRA STRONG, from 3 in. pots; about ready for a 4-in. shift.

$1.00 per doz.; $8.00 per 100; $70.00 per 1000.

Orders amounting to $5.00 and over, f. o. b. New York City; these, from unknown correspondents, will be sent C. O. D.

SEAWANHAKA GREENHOUSES, W. L. SWAN, Proprietor, Lock Box 227, OYSTER BAY, NASSAU CO., N. Y.

Mention the Florists' Exchange when writing.

ACALYPHA SANDERI 2½ inch, $3.00 per 100.

BOSTON FERN 2½ inch, $3.00 per 100.

VIOLETS. A few clumps of Princess of Wales left, $5.00 per 100.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

40,000
Kentias, Belmoreana and Forsteriana

Clean well grown stock in best market sizes—$35, $50, $75 and $100 per 100. See our wholesale list for sizes.

AZALEAS, Bushy Crowns well set with Buds.

10 to 12 inches in diameter.....$35 per 100 14 to 16 inches in diameter.....$50 per 100
12 to 14 inches in diameter..... 45 per 100 16 to 18 inches in diameter..... 12 per doz

ASPARAGUS PLUMOSUS NANUS.

Strong 2½ in. pots ready for shifting into 3 in...$5 per 100 Strong 3 in. pots....$8 per 100
Asparagus Sprengerii—2½ in..$5 per 100 *Asparagus Sprengerii*—3 in..$7 per 100

BOSTON FERNS.

Strong 2½ in. pot plants.....$40 per 1000 Strong 4 in. pot plants... .....$15 per 100
Strong 5 in. pot plants.....$4 per dozen

ROSES.

Strong two-year field grown. Excellent stock for forcing for Easter and Spring sales.
Crimson Ramblers—Extra strong, with canes 3 to 5 feet long.....$12 per 100 $100 per 1000.
Hybrid Perpetual—Large assortment of best forcing varieties.....$10 per 100 $90 per 1000.

Full assortment of French and Holland bulbs, Hardy Herbaceous Plants, Shrubs and Ornamental Trees.

THE STORRS & HARRISON CO., Painesville, Ohio.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR PLANTS NOW and for THE HOLIDAYS

IMPORTED DIRECT FROM THE GROWERS IN GHENT, BELGIUM AND OTHER PLACES.

Having been to Belgium again myself, I am well posted on their system. As the growers there are all syndicated, I can assure you no one can obtain cheaper rates than I.

ARAUCARIAS

We are headquarters for Araucarias. I have a large house full of them, purchased by my own selection on my trip to Belgium last September, and can offer you special prices No seedlings. Raised from top cuttings only.
5 in. pots, 3 tiers, 10 to 13 in. high, 50 cts. each.
5½ in. pots, 3 to 4 tiers, 12 inches and above, 65 cts. each.
5½ and 6 in. pots, 3 to 4 tiers, strong plants, 12 in. and above, 75 cts. each.
16 inches high and above, $1.00 each.
Specimen 6 in. pots, 4 to 5 tiers, 22 to 24 in. high, $1.25 each.
Araucaria Glauca, 5 in. pots, very fine, 18 to 25 in. across, $1.25 each.

AZALEAS Indica, large stock, my own selection while in Ghent, 10 to 12 inches, 35 cts each.
Larger sizes, 40 cts. and 50 cts. each.
Specimen plants. Mme. Van der Cruyssen, $1.75 and $2.00 each.
Leading American varieties, such as Mme. Van der Cruyssen, Bernhard's Andrea Alba, Deutsche Perle, Empress of India, Prof. Walter, Simon Mardner, Vervæoeana and others.

CORYPHA AUSTRALIS Hardiest palm of all. Have 500 of them in 5 in. pots, 12 to 18 in. high, 45 cts. each.
Kentia Belmoreana, 5 in. pots, 18 in. high, bushy, 65 cts. each.
Kentia Forsteriana, 5 in. pots, 36 in. high 75 cts. each.
Latania Borbonica, 6 in. pots, very fine, at the rate of $6.00 per doz.
Dracæna Laimica, 5½ in. pots, 24 in. high, most favored house dracænas, 50 cts. each.
Dracæna Indivisa, specimen plants, imported, 6 in. pots, 30 to 36 in. high, 40 cts. each.

FICUS ELASTICA (Rubber plants).
Have 1500, imported last Spring:
5½ in. pots, 12 in. high, 10 to 12 leaves, $3.50 per doz. 5½ to 6 in. pots, $4.00 per doz.
Specimen plants, 6 in. pots, $5.00 per doz.
Small plants, 4 in. pots, 20 cts. to 35 cts. each.

BEGONIAS SEMPERFLORENS GIGANTEUM.
Best blooming Winter Begonia, 6 in. pots, 25 cts. to 35 cts. each.
President Carnot, 5 in. pots, 25 cts. each.
Other Winter-blooming Begonias, leading varieties, 4 in. pots, 7 cts. each.

Chrysanthemums, without pots. L. Canning, white, 6 in. pots, 5 to 8 branches disbudded, $1.50 per doz.
Other good varieties, bushy plants, 5 to 6 in. pots, $1.20 per doz; 4 in. pots, 75 cts. per doz.
(If pots are wanted add 2 cts. each.)

Chinese Primroses, bushy plants, 4 in. pots, that will bloom at Xmas, at the rate of $6.00 per 100.
Heliotrope, fine plants for Xmas blooming, without the pots, $5.00 per 100.
Large Honeysuckles, grown in 6 in pots, 20 cts. each.
Hardy Ivies, strong plants, 3 in. pots, 7 cts. each.
500 Wallflowers, 2 in. pots, strong, $1.50 per 100.
Geraniums, 2½ in. pots leading varieties $2.50 per 100.
Callas, 6 in. pots, strong plants, 20 cts each.
Solanum (Jerusalem Cherries), full of berries, 7 in. pots, large plants, 25 cts. each; with or without pots.

Cash with order, please. Money can be sent safely by Express or Post Office money order, registered letter, draft on Philadelphia banks, etc. Goods must travel at purchaser's risk.

GODFREY ASCHMANN, 1012 ONTARIO STREET, RISING SUN, **Philadelphia, Pa.**

IMPORTER AND GROWER OF POT PLANTS.

Mention the Florists' Exchange when writing.

Wide-Awake Florists Are Ordering Their Christmas Plants while the Warm Weather Lasts,

Thereby taking advantage of low freight rates and the following very reasonable quotations for well-grown, strong, healthy Palms, Ferns and Decorative Plants.



NEPHROLEPIS WITTBOLDII.

Strong plants from bench, ready for 3 inch pots, $1.00 each; $10.00 per Dozen.

Kentias.

Varieties.	Size Pot.	Height Ins.	No. Leaves.	Each.	Per Doz.	Per 100
Belmoreana, 2½	3 to 4			$	$ 1.50	$12.00
Belmoreana, 3	10 to 12	4 to 5			2.00	15.00
Belmoreana, 3½	12 to 14	5 to 6		.25	3 00	20.00
Belmoreana, 4	14 to 16	5 to 7		.40	4 00	30.00
Belmoreana, 5	16 to 20	5 to 6		.75	7.20	60.00
" strong, 5	18 to 24	5 to 7		1.00	12.00	90.00
Belmoreana, 5	20 to 22	6 to 7		1.25	15.00	125.00
" strong, 6	28 to 26	6 to 7		1.50	18.00	180.00
Belmoreana, 7	36 to 40	6 to 7		2.25	27.00	240 00
Belmoreana, 8	42 to 48	6		3.25	39.00	300.00
Forsteriana, 2½	8 to 9	3 to 4			1.50	12.00
Forsteriana, 3	10 to 12	4 to 5			2.00	15.00
Forsteriana, 3½	12 to 14	5 to 6		.25	3.00	20.00
Forsteriana, 4	14 to 16	5 to 7		.40	4.00	30.00
Forsteriana, 5	20 to 24	5 to 6		.75	7.20	60.00
" strong, 5	22 to 26	5 to 6		1.00	12.00	90.00
Forsteriana, 6	28 to 30	5 to 6		1.25	15.00	125.00
" strong, 6	30 to 34	6 to 7		1.50	18.00	180.00
Forsteriana, 8	44 to 50	6		3.25	39.00	300.00

Latanias.

Borbonica,	2¼	3		.60	5.00
Borbonica,	3	12	5 to 6	1.0	8.00
Borbonica,	3½	12 to 15	5 to 6	.15	1.50	12.00
Borbonica,	4	15 to 18	5 to 7	.25	3.00	20 00
Borbonica,	5	18 to 22	6 to 7	.50	5.00	35.00
Borbonica,	6	20 to 24	6 to 8	.80	6 00	50.00
Borbonica,	5	24 to 30	6 to 8	.75	9 00	

Variety.	Size Pot.	Height, Ins.	Plants in pot.		Per Doz.	Per 100
Areca Lutescens,	2¼	5 to 5	3		$1.00	$8.00
Areca Lutescens,	3½	12 to 14	3	Ea.	2.00	15.00
Areca Lutescens,	4	15 to 18	3	$0.25	3.00	25.00

Asparagus.

Varieties.	Size pot.	Per Doz.	Per 100
Asparagus Plumosus Nanus...	2 in.	$0.50	$4 00
Asparagus Plumosus Nanus...	3 in.	1.00	8 00
Asparagus Plumosus Nanus...	4 in.	1.50	12 00
Asparagus Sprengeri.....	2 in.	.50	4.00
Asparagus Sprengeri.....	4 in.	1.50	12.00
Asparagus Sprengeri.....	5 in.	2.00	15.00
Asparagus Sprengeri.....	6 in.	5.00	
Asparagus Sprengeri.....	8 in.	10.00	
Asparagus Tenuissimus.....	3 in.	1 .00	8.00

The several sizes of Asparagus Sprengeri are especially strong and large value.

Ferns.

Varieties.	Size pot.	Per Doz.	Per 100
Adiantum Cuneatum	5 in.	$2.00	$15.00
Pteris Serrulata	2 in.	.50	4.00
Pteris Tremula	2 in.	.50	4.00
Pteris Umbrosa	2 in.	.50	4.00
Cyrtomium Falcatum.....	3 in.	1.00	8.00
Cyrtomium Falcatum.....	4 in.	1 50	10.00
Nephrolepis Exaltata	5 in.	2.00	15.00
Nephrolepis Exaltata	6 in.	3.00	20.00
Nephrolepis Bostoniensis.....	4 in.	2.00	
Nephrolepis Bostoniensis.....	5 in.	3.00	
Nephrolepis Bostoniensis.....	6 in.	5 00	
Nephrolepis Cordata Compacta, fine plants.....	6 in.	4.00	30.00
Nephrolepis Cordata Compacta, fine plants.....	5 in.	2.00	15.00

Miscellaneous.

	Each.
Araucaria Excelsa, 3 inch, nice plants.....	$0.50
Araucaria Excelsa, 3½ inch, nice plants.....	.75
Araucaria Excelsa, 5 inch, nice plants.....	1.00
Araucaria Excelsa, 5 inch, nice plants.....	1.25
Corypha Gebangs, 3 in., 5 to 6 leaves, $3 per doz.	
Curculigo Recurvata, 4 inch .....$2.00 per doz.	
Curculigo Recurvata, 5 inch .....$4.00 per doz.	
Cycas Revoluta .....25c. to 75c. each.	

	Pot	Height	Leaves	Each	Doz.	100
Ficus Elastica.....6		22-23	12-14	75c.	$7.20	$60.00
Ficus Elastica..... 7		24-28	14-16		10.00	75.00
Ficus Elastica.....8		28-34	16-18		12.00	100.00
Maranta Kerchoviana.....3½					2.00	
Pandanus Utilis ...2½		5- 8	10-12		1.00	8 00
Pandanus Utilis ...3		8-10	12-15		2.00	15.00
Pandanus Veitchii, extra fine.....6					18.00	
Phœnix Reclinata.3			4- 5		1.50	10.00
Phœnix Canariensis.....3			4- 6		1 50	10.00
Cocos Weddeliana 3				25c.	2.00	15.00
Phœnix Reclinata, 10		40-45	6- 8	3.50		
Aspidistra Lurida, 5		15-20	8-12	50c.	5.00	

	Doz.
Sanseviera Java. Var., 2 in., strong plants....	$0.50
Sanseviera Java. Var., 3 in., strong plants....	1.25
Sanseviera Java. Var., 4 in., strong plants....	2.00
Zingiber Officinale (Ginger Plant), 4 in.....	2.00
Zingiber " " " 5 in.....	3 00

THE GEO. WITTBOLD CO., Palms and Ferns, 1657 Buckingham Place, Chicago, Ill.

Mention this paper.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.,

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To United States, Canada and Mexico. To foreign countries in postal union $2.00. Payable in advance. The date on the address label indicates when subscription expires.

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BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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American Carnation Society.

Secretary Herr says December 1 will be the last day on which special premiums or advertisements can reach him for insertion in the premium list. He adds that subscriptions toward the permanent fund can be made in any amount, from $1 up to $25. This fund is for investment to give the Society financial backbone. Baltimore, with but two members a year ago, has increased that membership to almost fifty at the present time. A little similar enthusiasm on the part of the rest of us might add considerable to the membership. Baltimore wants every one interested to attend the meeting next February, and it is none too early to try and get a few carnation enthusiasts to go along.

Write the secretary if you want information, or have any suggestions or complaints regarding the Society.

COLORADO SPRINGS, COL.—The Inter-Mountain Flower Co. is the name of a new concern here, inaugurated by William Gibbons and family. It is the intention of the company to have stores in all the promising towns of Colorado, Wyoming, Utah, Idaho and Montana, with the main office in this city.

GALVESTON RELIEF FUND.

"Open Thine Hand wide unto thy Brother, and to thy needy, in thy Land."

The publishers of the FLORISTS' EXCHANGE have, for the convenience of our readers, decided to receive subscriptions at this office for the Galveston relief fund, which will be at once acknowledged in these columns, and the amount contributed forwarded to the proper authorities as the donations of our trade on behalf of their suffering brethren in the storm-swept sections. Checks and money orders for the Galveston relief fund should be made out in favor of the A. T. De La Mare Printing and Publishing Co., Ltd., crossed "in aid of Galveston sufferers."

Publishers Florists' Exchange:

Your welcome remittance came through in due time and will be further acknowledged through our chairman. We received of Mr. John F. Rupp, of Shiremanstown, Pa., some very fine primrose, cineraria and pansy seeds, which were distributed at our last meeting. Some of Mr. Beaulieu's seeds came through also, and were divided. Further offers of stock were received from Mr. John H. Ley, of Washington, D. C., Mrs. E. Louise Leonard of Seguin, Texas, and the New Orleans Horticultural Society has promised us some aid. Some of the plants previously donated were called in. The grand total of losses was added and gave the sum of $20,200. Of the money so far received $500 was ordered set aside and distributed according to the schedule, because some of the florists were in immediate need.

THE GALVESTON FLORISTS,
Per F. G. LAEVERENZ, Secretary,

Editor Florists' Exchange.

Herewith please find check for £5 for the fellow members of our trade who have suffered so dreadfully at Galveston. All honor to you for so nobly championing their cause. We think the trade generally should give liberally to such a cause.

Trusting you will be cheered in your work by hearty responses,

Yours faithfully,
J. PEED & SON.

West Norwood, London, England.

The Southern California Acclimatizing Association of Santa Barbara, Cal. (Dr. F. Franceschi, manager), announce a contribution of plants to the value of $25, the subjects to be selected at pleasure from the firm's catalogue.

Contributions Received.

Peter Henderson & Co., New York City,	$100.00
C. W. Ward, Queens, N. Y.	50.00
Pittsburg and Allegheny Florists and Gardeners' Club, Pittsburg	50.00
Morris County Gardeners and Florists' Society, Madison N. J.	50.00
The Florists' Exchange	25.00
Charles Black, Hightstown, N. J.	25.00
John Peed & Son, West Norwood, London, S.E. (£5)	24.30
Chas. T. Siebert, Pittsburg, Pa.	10 00
A. Begerow, Newark, N. J.	5.00
John G. Esler, Saddle River, N. J.	5 00
C. Eisele, Philadelphia, Pa.	5 00
G. M. & F. W. Wessels, Aiken, S. C.	5 00
Thomas Barson, Johnstown, N. Y.	3.00
A. J. Pennock, Lansdowne, Pa.	2.00
John Birnie, West Hoboken, N. J.	2.00
Beaulieu, Woodhaven, N. Y.	2.00
F. I. Drake, Pittsfield, Mass.	2.00
H. B., Hot Springs, Va	1.00

Contributions Direct.

The Good & Reese Co, Springfield, O.	$50.00

Society of American Florists and Ornamental Horticulturists.

DEPARTMENT OF PLANT REGISTRATION.

Peter Henderson & Co., New York, register New Lilliputian Canna, Little Gem. Flowers orange scarlet, each petal lightly edged with yellow. Very dwarf and compact, the extreme height to tip rarely exceeding 2 feet.

WM. J. STEWART, Sec'y.

ST. LOUIS.—The Eggeling Floral Co. has been incorporated to conduct a general floral business. Capital, $3,000. Incorporators: F. W. Eggeling, Maggie Eggeling, E. G. Eggeling, all of St. Louis; H. H. Furth, attorney, St. Louis.

The Chrysanthemum Society Meeting.

We had hoped to see greater enthusiasm exhibited and a larger amount of discussion follow on the proposed change of date for the annual meeting of the Chrysanthemum Society of America than has yet materialized. That the Society is in need of support, and that even its present efforts on behalf of the chrysanthemum cult demand a recognition far superior to that now accorded them, is apparent not only to its officers, but to all who have but the merest spark of interest in the Society and its work. Just why this is not forthcoming seems a matter worthy of investigation by those most concerned in the furtherance of the Society's welfare.

It may be that the confining of the Society's energies along one particular line has dulled, to a greater or less extent, the trade's interest in the association, and its affairs; and that the makeshifts which have hitherto been characterized by the name of annual meetings, holding forth as they do but little inducement for active participation therein, have blunted an enthusiasm, that, were matters otherwise, would be demonstrated. Certain it is, that the present apathy is discouraging, from the standpoint of the Society itself, and a decided deterrent to its usefulness and progress.

We firmly believe the inexplicable disinclination to change the date of the annual meeting to a more opportune chrysanthemum period, so to speak, is largely responsible for the existing regrettable conditions; and that such a change would inure very much to the desired betterment of matters all round. Think you that the same interest would be exhibited in the Carnation Society were its annual convention held when but poor specimens, or none at all, of the flower it supports were only available; as is displayed under present arrangements? Would an equal enthusiasm have been shown as characterized that gathering during its seasonable assembling had the recent sweet pea conference been held in January? Certainly not!

And there is so much that is beneficial that the Chrysanthemum Society, with proper support, could undertake and satisfactorily perform. Almost a decade has passed since any attempt was made at a classification of the flower in America, and the list of kinds then compiled is now all but obsolete, at least of very little value except as a matter of historical record. To discover varieties that have appeared in the interval, or are at present in vogue, one has to wade through a host of documentary evidence, incomplete in its information. Take, as an example, the latest report issued by the Society on the "List of Awards for 1898" (P. 126 S. A. F. proceedings for 1899). The name of the variety only is given; its type, color, introducer, and other data are lacking. Surely such a slip-shod production is unworthy a national society! True, we are helped out of the dilemma slightly by the list of "plant introductions" issued by the S. A. F., in which chrysanthemums are included; but that list also, while arranged alphabetically, is a conglomeration of types, without any attempt at classification. Is there not great need of a change in this one direction alone? Should we not have method even in our madness?

One would think that the compilers of these "official" lists had, too, lost heart, and consider any old thing good enough for those interested in the chrysanthemum, but uninterested in the Chrysanthemum Society of America.

We would suggest a tentative gathering of chrysanthemists at Chicago, during the exhibition there, and where the Society's cup is to be competed for, looking to a change of date of the annual meeting, and doubt not that the success attending this assembly would be convincing of the efficacious nature of such a change; even if only a program were outlined for the next annual meeting in New York, during that city's great annual exhibition in 1901—perhaps.

Rudd's Further Ratiocinations.

Willis N. Rudd, of Chicago, still considers himself the "whole bunch," and with characteristic tenacity holds to his emphatic assertion that "50 degrees is the best temperature for storage" for cut flowers of carnations. It would be unjust to endeavor to deprive a man of the right to stick to his own set opinions; but we subjoin a few remarks from modern growers of carnations, just to convince Mr. Rudd, if that be possible, that "there are others." While the statements of these growers do not accord in toto with our own advice, and which has called forth such an excellent example of Mr. Rudd's "dry humor," they by no means endorse that gentleman's view, so dogmatically expressed, that "the temperature should never be allowed to go below 50 degrees, and two or three degrees above that point is better than a like number below."

We would just like to state again that our advice to hold the cut carnation flowers at a temperature of "about 40 degrees," (which, waiving the quantum of the sin, may with equal fairness be accepted as 42, as it may be 38 degrees), was given to a small grower whose flowers were used in "home consumption," and were not for shipment.

In conclusion, Mr. Wallace desires us to say that there are three very good reasons known to him (there may be others) that preclude him from becoming a good foot-ball player, as Mr. Rudd predicts. These are: Sparsity of hair; an acute disinclination for hard work, equal to that of the colossal Pym of Barrie; and the fact that he has not reached the necessary stage of the chronic kicker which the prophet in question himself seems to have attained. The latter fact, Mr. Wallace adds, probably accounts for "why he never seems able to kick a goal," as Mr. Rudd views it. Now for the information we have gleaned for the benefit of Mr. Rudd and others.

Dailledouze Brothers, of Flatbush, N. Y., say: "We keep our flower room at between 45 and 50 degrees as long as weather will permit, and cut the blooms the day before shipping, when possible."

John Birnie, West Hoboken, N. J., says: "I run my carnation houses from 50 to 54 degrees at night, excepting in the case of Flora Hill and Daybreak, which give better results at 48 to 50 degrees. My flower cellar I keep as near 50 degrees as I can. I have done so for the past 12 years and the result has been satisfactory. I keep the flowers in the cellar for about 20 hours."

Chris. Besold, of Mineola, N. Y., says: "The average temperature in my carnation houses is about 50 degrees at night. We cut all our flowers from 15 to 24 hours before we ship them. They are kept in our flower room at a temperature just a trifle lower than our houses are held at, say from 45 to 50 degrees."

J. L. Dillon, of Bloomsburg, Pa., remarks: "We grow carnations in a night temperature of 50 to 55 degrees. We find they vary somewhat, some varieties standing more heat than others. C. A. Dana and William Scott require the lowest temperature, and Buttercup and McGowan, 55 degrees. We keep the temperature of our store room at about 40 degrees, but seldom keep carnation flowers over, as we try to pick them early in the morning and ship them out before night. My experience is that carnation blooms soaked full of water do not keep as well, after being shipped, as those picked early in the morning and shipped immediately."

C. W. Ward, of Queens, N. Y., says: "Our method of treating cut flowers of carnations is to pick them in the coolest portion of the day. We place the stems in water about the temperature of the greenhouse from which the carnation flowers came. We then place the flowers in our carnation room, the temperature in which is usually about 50 degrees during the day time, and allow the flower room and water to cool down together to a temperature of about 45 degrees. The flowers remain in this room usually over night.

"I have sometimes thought that the best temperature at which to keep flowers was about 10 degrees below the average temperature in which the flowers were grown throughout the day and night, as, for example, carnation flowers grown in an average temperature of 60 degrees would keep well at 50 degrees, those grown in an average temperature of 55 degrees at a temperature of about 45 degrees; and if any grower should keep the average temperature of his greenhouses down to 50 degrees, I should think that his flowers would keep well at 40 degrees

in the flower room. I think that a great deal of damage is done to carnations by taking them from warm temperatures, plunging the stems in cold water and putting the flowers immediately into a cold icebox where the temperature ranges, say, from 35 to 40 degrees. In the growing of carnations we would scarcely subject the plants to such violent changes of temperature. I am aware that if flowers be put into an icebox they will maintain their form and shape while they remain in the box; but when taken from the cold box and brought into a warm temperature, the damage that has been done appears for the first time."

We consider these gentlemen all up-to-date growers. We have not solicited the opinions of any wholesalers or retailers, as we hardly think it possible that the ice-boxes of these gentlemen are held at a temperature of "50 degrees" or more.

OBITUARY.

Clinton S. Miller.

Clinton S. Miller, florist, Bradford, Pa., died at his home, October 21, of typhoid fever. A local paper says: Mr. Miller had been a well-known figure in Bradford, on account of the fact that he did not wear a hat. When a lad he discarded head covering and from that time he never wore or possessed a hat, and gave as his reason the fact that nature had provided a head covering which was sufficient protection without the addition of any artificial headgear. Mr. Miller was an expert gardener and a good citizen. During his illness he refused to employ the services of a physician, being a firm believer in the curative power of faith.

Frederick Dellert.

Frederick Dellert, Great Barrington, Mass., dropped dead at his home, October 25. Apoplexy was the cause of death. The deceased was born in Germany 67 years ago, coming to the United States in 1863. Thirty years ago he moved from Canaan, N. Y., to Great Barrington. He had charge of the laying out of some of the finest properties in Southern Berkshire and for a number of years had been a florist. A widow and five sons and five daughters survive him.

Firms Who Are Building.

MILWAUKEE, WIS.—Otto Tietbohl has secured a permit to erect a greenhouse at Chambers and Thirteenth streets.

ADAMS, MASS.—A. J. Boothman & Sons have installed a hot-water heating plant.

NORTHBORO, MASS.—E. S. Corey is building a greenhouse 160 feet long.

ITHACA, N. Y.—Foote & Co. have built a new greenhouse, 70 x 18 feet.

KEENE, N. H.—Louis P. Butler & Co., of 103 Winchester Street, the florists and seedsmen who recently bought out the seed and plant mailing department of Ellis Bros., have nearly completed two large greenhouses with a commodious office and storage building, a potting shed and other facilities which will enable them to handle an extensive business.

New York.

The Market.

Although there is as yet no material increase in the demand for flowers, the supply is most lines has shortened up to such an extent that there is a somewhat better feeling in the market; and when the quality is there, prices are a trifle firmer. The week commenced with a very full market; by Wednesday, however, the glut seemed to have run its course, and trade assumed a more even shape. Special chrysanthemums are selling freer than they were, and from 30c to 40c. each has been realized for them. Mrs. Trenor L. Park is coming in from Dailledouze Bros., and has sold at the top figure. Some Bonnaffon have also begun to arrive, and although neither extra large, nor long-stemmed, it has been possible to realize 10c. each on them. Ivory also is now on the market, and, thus far, is fetching 75c. per dozen.

Roses have decreased in quantity to a marked degree; and out of the supply there is a large percentage of soft flowers. American Beauty of the highest grade occasionally reach $3 per dozen, but they have to be very select to fetch that figure. In Bride and Bridemaid $5 per 100 is the top value obtained.

Liberty is bringing from $10 down to $2, according to grade. Meteor are coming in very fine now, and clear out satisfactorily.

Lily of the valley is meeting with a poor demand, and the extra quantity thrown on the market the past week from various sources, has had the effect of pushing the price down.

The supply of cattleyas is steady, with prices somewhat firmer than have prevailed for several weeks.

Carnations have shortened up in supply the last few days. This may be caused by the anticipation of advanced values on Saturday, owing to the number required for the Sound Money Parade.

Callas are now on the market in limited numbers, as also are yellow and white marguerites.

Among the retailers a little more life is found in business, owing to the demand made by several large weddings. Alex. McConnell provided decorations for a Brooklyn marriage on Wednesday, that necessitated the use of four van-loads of plants, etc. The bridal bouquet was composed of lily of the valley and white orchids, the latter being Dendrobium formosum.

Wadley & Smythe, in addition to their retail business, have been supplying plants and trees extensively to the Pan-American Exposition at Buffalo. Early in the Summer 200 cedars, averaging 25 feet high, were dug from the woods, planted in boxes and shipped to the Exposition grounds. The trees have all thriven in the best possible manner, and 400 more are to be boxed and forwarded in a like way.

Charles Thorley opened his new branch store at 543 Fifth Avenue, corner 45th Street, on Wednesday. The store is elegantly furnished throughout. The ceiling is a splendid piece of painter's work, and represents a blue and white sky effect. The side walls are of white, trimmed with grey. The store is 75 feet deep and 40 feet wide, and six show windows are available. Mirrors adorn the walls, and the heavy pillars that stand through the center have also four-sided mirrors attached to them. Marble topped counters range on one side the full length. The ice box is lined with mirrors, and is made like a room. Intending customers, instead of having flowers brought out for their inspection, step right inside, where all the stock can be viewed without disturbing it. The work room and packing room are in the rear, to which an entrance is made on 45th Street.

At the dinner tendered to W. J. Bryan in the Hoffman House, Saturday, October 27, the table and the interior decorations of the ballroom, in which the dinner was served, were of a very elaborate order, costing $1,000. J. Fleischman, the Broadway florist, had the decorations, and they were done in his usual up-to-date style. Specimen palms were the chief features in the plant line, and the flowers were American Beauty roses.

Jottings.

Owing to Young & Nugent requiring the room for their own business, Harry A. Bunyard moved, on November 1, from 42 West 28th Street, to No. 38, same street, in the store of Tmendly & Schenck.

J. K. Allen is receiving a new carnation from R. P. Jeffrey & Son, Bellmore, L. I., named Meadowbrook, that is taking very well as a light pink variety. It originated as a sport from Flora Hill.

The chrysanthemum show at the Central Park conservatory was opened to the public on Wednesday, October 31.

The carnation Prosperity, heretofore known as No. 666, has had another name given to it by the daily press, the last one being "Fall Dinner Pail."

The Morris County Gardeners and Florists' Society hold their fifth annual exhibition in the assembly rooms at Madison, N. J., on Wednesday and Thursday, November 7 and 8.

Walter F. Sheridan has been appointed chairman, and Alex. Wallace, secretary, of the Plan and Scope Committee of the New York Florist's Club, having in hand flower show matters.

The Fall show of chrysanthemums and other flowers of the American Institute will be held in the Berkeley Lyceum Building, 19-21 West 44th Street, on Fovember 14 and 15. Intending exhibitors should give early notice to Dr. F. M. Hexamer, 52 Lafayette Place, or to James Withers, 136 Liberty Street.

Auction Sales.

Owing to the election next week the sales in both Elliot & Sons' and Cleary & Co.'s rooms, will be held on Wednesday instead of Tuesday.

Tarrytown, N. Y.

The Tarrytown Horticultural Society held its monthly meeting on October 25. Business pertaining to the forthcoming exhibition, which will be held in the Music Hall November 7, 8 and 9, was the chief work accomplished. The services of the following gentlemen have been secured as judges: W. Gomersall, M. Lynch, E. Dailledouze, D. Little, G. Hale, R. Williamson and J. Duncan. William Turner showed a vase of fine Liberty roses. Wallace Clark and Thomas Lee were elected to membership. R. A.

Lewistown, Ill.

William Jones fell from the roof of one of his greenhouses, October 19, breaking his right arm above the wrist, and otherwise badly injuring himself.

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Pan-American Progress.

The accompanying photographs of portions of the Pan-American Exposition grounds were taken on September 13. The picture on the lower left-hand corner is a view from the forecourt looking westward, and includes a part of the grounds set aside for exhibits. To realize the progress that has been made it must be remembered that the whole surface of this portion has been raised over three feet from its natural grade since the first of last May. The clay was excavated from one of the Mirror Lakes on the right of the picture. The trees and shrubs were planted about the first of June, large quantities of good soil being used, then the whole surface was covered with four inches of good loam, with a surface covering of fine manure and sand. The sowing of grass seed was continued without interruption every day during the Summer, and with the constant use of the hose it has been a phenomenal success; in fact, the grass over this portion of the grounds is a most excellent lawn and has the appearance of having been down several years instead of only three months. There are several hundred beds, of all dimensions, which do not show in the picture. Wherever a bed was designed the clay was excavated 15 inches, and in many cases 18 inches, and strong, heavy loam, with about one-third of manure filled in.

The beds of dark foliage in the foreground are hybrid perpetual roses from several exhibitors. There are also many more of these that cannot be readily seen. These plants were taken from a root house between the 1st and the 10th of June, six or seven weeks later than is usually the time for planting.

With a severe pruning and a liberal use of the hose they made a good start and in most cases have made a wonderful growth. Beds of Ulrich Brunner, Paul Neyron, and other varieties containing 500 of each variety, have in some cases reached a height of five feet.

Many large exhibits of tulips are now being planted. There will be no vacant beds on the first of next May. In all there will be upwards of 100,000 tulips and hyacinths, Spanish iris and other bulbous flowers. A few dozen small beds will be left for masses of pansies in different colors. This section of the grounds, entering from Elmwood Avenue, must make a grand display.

Mr. Ulrich, the landscape architect, is also planting in the grand court a very large exhibit of bulbs. Long panels of 400 feet by 12 feet are filled with tulips and hyacinths in geometrical designs. In many places, surrounding the grand basin, will be a brilliant display of bulbous plants.

A great deal of work has been done on the southeast section of the grounds and on the Islands. Thousands of shrubs are being planted and there are no bare spots. In every available place where it is too shady to have grass thrive, the surface is covered with Vinca minor, money vine, and other creeping plants.

The Indian mound is a source of great attraction to visitors, and is approached by a broad walk, on each side of which will be a fine display of flower gardening.

Though not in the horticultural line, the writer cannot refrain from mentioning the beautiful appearance of the buildings, now that the coloring is going on. Instead of being a "white city" the eye is charmed with the most exquisite blending of colors, and this is to be carried out on every building. The Horticulture Building will soon be completed, also the conservatories leading to the Mines and Graphic Arts Buildings. The conservatories will be heated by the first of the New Year.

It is very pleasant to have gentlemen who have just returned from Paris tell us that in all things the Pan-American will be more beautiful than that much advertised affair, and in horticulture we shall be lengths ahead.

Several carloads of plants have lately arrived from California to be used in the adornment of the grand court. They consist of yuccas, dracænas, bamboos, pampas grass and many large palms. The Department of Works is propagating many thousands of plants to be used in vases, hundreds of which will be distributed over the grounds, and also boxes which will be lavishly used at the base of many of the buildings.

All visitors are delighted, and I can only repeat what I have frequently said before, that in point of beauty, if not in size, this Pan-American Exposition is going to be the most charming exposition ever held.

Following is a description of the view shown in the upper left-hand corner:

The banks in the foreground are the west side of what is known as the forecourt, from which a fine bridge will pass over to where you see the unfinished retaining wall. The building in the distance is the only one left standing on the grounds that existed when the ground was acquired, and is the most unpretentious of all. It was formerly the Country Club and after a suitable embellishment it will be handed over for the Women's Building. The building in course of construction to the right is a portion of the Mines Building, which is now complete. WILLIAM SCOTT.

The picture on the upper right-hand corner shows the area for floral exhibits southwest of Horticulture Building. This will contain some of the rarest and most brilliantly hued flowers to be shown upon the grounds. To the extreme left, in the distance, is the Service Building. To the right Horticulture, Machinery, Graphic Arts and Mines Buildings are distinctly seen.

The view in the lower right-hand corner is one of the Music Garden and Women Managers' Building, from the Western Mirror Lake; Mines Building to the right. The dykes seen in the picture were built for the purpose of giving an opportunity to establish the water plants this year before letting the water in Mirror Lake; the excavation covered with crushed stone is shown in the foreground. Within the dykes is heavily enriched earth covered with a foot of water, where the water lilies and other plants attained a good growth.



Views Showing Progress on Pan-American Exhibition Grounds.

Looking West from Fore Court, Showing Terraces at Entrance to Main Portion of Grounds.

Area for Floral Displays, Southwest of Horticulture Building.

View of the Music Gardens, Showing Flowers in Bloom.

Music Gardens, from Western Mirror Lake.

BRIEFS FOR BUSY FLORISTS.

CARNATIONS.—As the chrysanthemums have the call chiefly as cut flowers just now, there is no need for trying to hurry along the carnations. There will be a better market for them in a few weeks from now, and cool temperature, in the greenhouses with free disbudding, will result in both better plants and flowers. Keep the surface of the benches clean by rubbing over the soil with the hands occasionally. If a green scum forms on the top of the soil readily, it is well to give a sprinkling of air-slacked lime; this will prevent, to a great exteat, the scum or algæ from spreading and covering the entire surface. Do not attempt feeding the plants with liquid manure for some time yet, unless the soil in the benches was purposely left without fertilizer with the intention of supplying food later in liquid form. In that case weak applications once a week may be given. If green fly appears, get rid of it at once by fumigating.

FERN DISHES.—The filling of fern dishes is beginning to be in order, and where varied effects are wanted small-sized crotons can be used advantageously by intermixing a few of these among the ferns. Do not use the croton as a center plant for the dish. A small dracæna, or a cocos, is the best for that purpose. Just put a croton here and there among the small ferns in the body of the dish, and the little added color they give enhances much the beauty of the whole.

CANNAS.—After the frost has touched the cannas, and made them look unsightly, dig them up and lay them on the floor of an outhouse or shed, and let them dry out gradually. Cut away as little of the top as possible until the roots are thoroughly cured, when the stalk may then be cut well down and the clumps or tubers stored away for the Winter.



(222) **Forcing Lilium auratum.**—Can Lilium auratum be forced in pots, like the Easter lily, and in the same temperature? If so, will the bulbs flower in the same length of time? Can the bulbs be planted out in the Spring to flower next Fall? If set out in the ground this Fall, what protection do they need?—A SUBSCRIBER.

—Lilium auratum can be grown in pots in the same way as the Japan longiflorum is grown, taking the same length of time to finish the plants. The bulbs, if planted outdoors in the early Spring, will flower in the Fall of the same year. If the bulbs are planted outside in the Fall, a slight covering of leaves, or litter, is the only protection needed.

(223) **Callas.**—P. Olsen.—To insure a cut of 200 callas a week throughout the season would require a stock of at least 1,400 plants. At 50 degrees night temperature, the plants would not do well at all; the temperature maintained would have to be 58 or 60 degrees.

(224) **Sow Bugs in Violet Beds.**—I have two 100-foot violet houses, solid benches, board sides, that are badly infested with sow bugs (sometimes called wood lice). I have tried Fir Tree Oil, oatmeal with poison, etc., and have destroyed a great many, but there are plenty left. Can some of your readers give me a remedy?—INQUIRER.

—To clear a house of wood lice, the first thing to be done is to take out all the rotten woodwork, and replace with new. If this is not practicable at this time, then trying to kill the pest with poison must be resorted to. We would advise a trial of Hammond's Slug Shot, used according to directions given on the packages.

Growing Fancy Caladiums in Florida.

The growing popularity of the fancy-leaved caladium as a bedding plant, an embellishment to window and piazza-boxes, lawn-vases, etc., its adaptability in the tuber state to the needs of the catalogue trade, and especially the ready sales of it in the guise of a pot plant, has encouraged the Jessamine Gardens, Jessamine, Pasco Co., Florida, to engage in its production on an extensive scale. And judging from the quantity and the quality of the tubers which they are producing, it need no longer be necessary to import tubers of the standard varieties of this plant.

The firm has this season about 20,000 square feet devoted to the purpose mentioned, on which are grown upward of 80,000 caladiums in some 30 varieties; but a good many of these are varieties under trial, and the collection which the firm is at present offering to the mail trade, consists of 10 of the standard and freest growing sorts. The location of the plot is on a deep, sandy black-jack oak, and yellow pine ridge, where the plants are grown in beds and shielded from the full force of the sun by means of burlap screens overhead, placed on stringers nailed to live-oak posts set in the ground. The plot is so piped that with a 25-foot piece of hose any part of it may be watered.

Last Spring I was at the Gardens while the caladiums were being planted out, and secured from the manager, W. J. Ellsworth, the following facts concerning their methods of growing, harvesting and keeping the tubers: The small tubers are potted up in January, or any time thereafter desired, and given bottom heat, potting on as fast as necessary to have them well established for planting out as soon as all danger of frost is past, which is after the middle of March. The plat receives some time in advance of the planting season, a heavy application of stable manure which is at once plowed in. When ready to plant a light application of a suitable, balanced chemical fertilizer is made to quicken the start of the plants. The burlap screens, while admitting considerable sun, serve to break the fierce rays, and are placed at the time of planting, so as to admit of one-third full sun; later, when the plants are well established, the screens are placed further apart, so as to admit one-half full sun.

During the growing season the plants receive an abundance of water, the natural rainfall—of which there is usually a great deal during the months of June, July and August—being supplemented by the use of the hose when necessary, and are kept thoroughly free from weeds. In the latter part of the season, before the plants slacken growth, an application is made of a fertilizer containing a liberal percentage of potash to secure a firm tuber.

Usually the tubers are ready to dig from the 1st to the 15th of December, and range in size from ¾ of an inch to 4 inches in diameter, dependent on variety, and conditions from time of planting to harvesting. After curing—to which special attention is given—they are ready for shipment or storing. In storing to keep over Winter they are placed in boxes of convenient size, and sand, or any fine material that will exclude the air and easily maintain uniform moisture, sprinkled among and over them; then set away in a temperature that will keep gloxinia or begonia tubers. The sand, or other packing material, is kept slightly damp, so that no moisture will be absorbed from the tubers.

When treated in this manner, Mr. Ellsworth states there is no difficulty in carrying properly grown and matured tubers through the Winter with practically no loss from decay. Wherever there have been complaints on this score he has found on investigation that tubers have been packed in some dust-dry material, and in addition, in some instances, have been stored over steam pipes or in other situations where the temperature was too high. When packed and kept in material drier than the tubers are, the moisture in the tubers will be gradually absorbed until in the Spring, it will be found that many—and especially the smaller ones—have succumbed to a dry rot.

ON SERVER.

A Visit to Carlton Hill, N. J.

The long ranges of greenhouses at the establishment of Julius Roehrs are just now replete with all that is choice in the way of palms, ferns and decorative plants in general. To say that all the stock carried is in the pink of condition is almost unnecessary, as the excellent quality of the output of this place is too well known. The sheds, in which are carried quantities of bay trees and phœnix palms, are a veritable forest in appearance. Here is probably the biggest collection of specimens of these two subjects to be found on this continent. In the house devoted to specimen palms entirely, the height and spread of the kentias are something immense, and one wonders where a market is found for all this magnificent stock.

Coming down to ordinary sized stock, kentias are to be seen in abundance, and are in excellent condition, both as to color and shape. The same remarks are also applicable to a good-sized stock of Areca lutescens. A batch of Livistona rotundifolia, each plant showing almost a dozen character leaves, is of exceeding good quality, as also are large collections of the same plant in smaller sizes.

Boston ferns are cultivated extensively, the larger sizes predominating, while of branching rubbers there is also a big collection. A feature in one house is a fine stock of Caryota magnifica. This variety is, in appearance, more decorative than C. urens; a closer jointed palm, it has the effect of being better furnished. These plants are grown two in a pot, and are of a very useful size, ranging in height from three to four feet.



Fancy Caladiums as grown in Florida.

In dracænas some fine collections are in evidence. D. Sanderiana, of which there never seems to be too many in the market, is represented by a large well-grown stock, as also is D. amabilis. Dracæna Lord Wolseley is grown in large numbers also. This is an improvement on D. terminalis; it has about the same colorings in its foliage as that variety has, but they are brought out more vividly. Besides this advantage in color, it is less liable to disease of the lower leaves than is D. terminalis. There is also a splendid bench of D. Massangeana; these are large, well-colored plants, and perfect in every detail. While on the subject of vari-colored foliage plants, we must make special mention of the crotons. These are grown extensively, and are to be seen in various sizes. The croton is becoming a more prominent factor each year as a basket plant, or used in a young state for intermixing with ferns for table work. The collection here is replete with the best varieties, and all are colored to a nicety.

A house of finely formed araucarias shows that there is still a lively demand for this beautiful decorative plant. Adiantum Farleyense has a house to itself, and speaks wonders for the care in its culture. Oranges and ardisias in preparation for Christmas are coming along in grand style. Both are as full of fruit as it is possible for plants to carry, while the shape and size of the plants are all that could be desired. Begonia Gloire de Lorraine is showing flower nicely. These are being brought along without any undue forcing, with the result that they are hardy, cool grown plants, that will not go to pieces on being taken from the greenhouse, as is the case when this subject is forced too rapidly.

A house of cyclamens, just coming into flower, presents a striking effect in color. The strain grown has, in most instances, prettily marked foliage, while the whole stock has that low-growing habit that makes the leaves seem to cling evenly around the edge of the pot—much to be preferred over cyclamens that have a tendency to send out their foliage in a straggling, drooping manner.

Azaleas are being forced into flower for the holidays, and there is one large house devoted entirely to them. These are all plants of this year's importation. Mr. Roehrs says he gets better results from forcing newly imported plants, than from those that have been carried over from last season. The look of this house justifies the statement; buds are developing evenly, and every plant will undoubtedly fulfil its mission.

Orchids are grown here extensively. In a Western contemporary, recently, mention was made of a Cattleya labiata throwing six flowers from one spathe. Six flowers on a stem is not rare here by any means. We ourselves counted eight elegant blooms on one spike. Nineteen or twenty (we forget the exact number) houses are devoted to orchids. Oncidiums are a sight just now with their long drooping sprays of pure yellow blossoms. Dendrobium formosum are also a mass of flowers; but the cattleyas—well, these must be seen to be appreciated. Talk about a scarcity of these flowers in the near future! It does not seem possible after viewing the immense stock here. C. labiata have still hundreds of flowers in sight, and that there will be no break in the supply of cattleyas is shown by the numerous buds of C. Trianæ that are plainly visible through the transparent sheaths in which they are held. A batch of Cattleya Dowiana is throwing out some exceedingly fine flowers for the first time since they were imported, two seasons ago. The plants have made remarkably strong growth, and the flowers, with their beautiful yellow upper petals, and the purple lip, will no doubt command admiration on the market. There is also another bench full of plants, flowering now, that are not often seen, these are Zygopetalum Mackayi, large spikes of flowers of which fill the house with a delicious fragrance.

NOTES BY THE WAY.

UTICA, N. Y.—C. F. Seitzer has given up the culture of violets which have not been satisfactory the past two seasons, and filled space with carnations. Oneida is grand, growing in a house facing north and south. This position is the best. Alaska is his choice for an all-round white. Red Jacket and Daybreak do well in the same house. He will hold a chrysanthemum show as usual, and has some fine blooms. Goldfinder is a seedling of great merit, of vigorous habit, blooms large; very solid, of a bright gold color.

AMSTERDAM, N. Y.—J. C. Hatcher & Son will give a chrysanthemum show in their beautiful store. George Hatcher, having returned with the latest Eastern ideas, intends to excel all previous efforts in this direction. Merry Monarch is their earliest white. The Perle rose is grown extensively, being as popular as ever for design work. I noted a departure in bench construction in two houses lately completed. Cross pieces are placed on inch piping, being much easier to replace when boards rot. A new range is under consideration; glass will be butted, as the elevation is above the reach of dust and smoke. The residence of the head of the firm adjoins the greenhouses, and commands a grand view of the magnificent Valley of the Mohawk.

ALBANY, N. Y.—H. G. Eyres has some heavy orders booked in anticipation of the election of Governor Roosevelt to the vice-presidency, and is busy conjuring up new ideas in the decorative art.

F. A. Danker reports a busy time, and is looking around for an opportunity to expand, his space being too restricted for his increasing business.

John Dingwall has a batch of lantanas which at this season of the year find ready sale as used in fern dishes. He intends raising them in large numbers. He finds White Cloud carnation a good second to Flora Hill.

Fred Goldring has a fine crop of Marie Louise violet in prospect; the plants have made excellent growth, and are full of vigor. Though growing roses on a more extensive scale than formerly, considerable space is devoted to the raising of palms and ferns, as Fred is a strong advocate of home-grown stock.

SPRINGFIELD, MASS.—Chrysanthemums are a strong feature with Mark Aitken this season. He is justly proud of the grand lot he has been cutting for some time. Glory of the Pacific was never finer, and sells at sight at $3 per dozen. He intends giving a show at an early date.

J. D. Robinson has added a house for carnations. He is the latest addition to the ranks, and is much encouraged by the success already met with.

F. Knapp Vetter has rejoined the staff of Mark Aitken as assistant foreman.

HOLYOKE, MASS.—E. H. Howland found a white Cattleya labiata among an importation from Lager & Hurrell, to whom he has resold it for a good round figure.

PEABODY, MASS.—J. M. Ward & Co. were cutting white Fitzwygram as early as August 24, and have supplied the Boston market with some of the finest early blooms this season. Two new houses are so constructed that ice cannot form in the gutters, the ends being raised on sills. As fine a lot of cyclamen as one could wish to see for the holidays is found in this place.

SALEM, MASS.—McGee, Geary & Co. are preparing, between the lull in funeral work, for their annual chrysanthemum exhibition, which will be under the charge of William Hallahan. John Walk has his new box ready and John Galloup will supply the designs for this occasion.

WAVERLY, MASS.—W. W. Edgar has his new houses filled with some of the finest specimen plants of azaleas and Easter stock, such as acacias and metrosideros, he ever handled. The space devoted last season to Begonia Gloire de Lorraine is given to ferns, one house of Adiantum tenerum being a veritable Klondike just at this season. Mr. Edgar's son Robert, who is with Sander at Bruges, says there is nothing like it over there.

W. M.

Buffalo.

Prevailing weather conditions seem scarcely promotive of good business, and with political issues in the question also, trade is but moderate. Flowers are amply plentiful for all needs inclined to low prices at wholesale. Chrysanthemums are now in fair abundance, and wholesale prices are fast dropping.

Recent visitors included C. S. Ford, Jr., Philadelphia; E. B. Sage, Red Rock, Pa.; L. B. Burr, Darien, N. Y.; George Staffinger, Springville, N. Y.

VIDI.

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"Good Strong Kind."
60 CTS. PER 100 LBS.
BALES WEIGH 500 LBS.
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Chrysanthemum Society of America.

Work of Committees.

OCTOBER 27.

BOSTON.—George Hollis, South Weymouth, Mass., exhibited Peerless, a white Japanese variety, scoring, commercial scale, 85 points. This variety was judged as an early one, as the flowers shown could have been cut a week or two weeks earlier, or as early as Bergmann.

CINCINNATI.—Nathan Smith & Son, Adrian, Mich., exhibited Omega, a canary-yellow reflexed Japanese variety, which scored, commercial scale, 79 points; exhibition scale, 81 points.

The scale of judging plants and blooms of chrysanthemums, in its entirety, is as follows:

Scale A—Scale of points for bush plants and standards, single specimen, or any number up to six, in an exhibition where



The F. R. Pierson Co. Cup.

the class under consideration does *not* form the chief feature in the exhibition hall.

Equality of size and form of plant	40
Excellence of bloom	35
Foliage	25
Total	100

Scale B—Scale of points for bush plants; exhibits of more than six, or for any number of specimen plants, in an exhibition where the class under consideration forms the *chief* feature in the exhibition hall.

Excellence of bloom	40
Equality of size and form of plant	35
Foliage	25
Total	100

Scale C—Scale of points for plants grown to single stem and one bloom. A height of not over 3 feet is recommended for plants in this class, and pots not over 6 inches in diameter,

Excellence of bloom	40
Compact and sturdy growth	35
Foliage	25
Total	100

Scale D—Scale of points for specimen blooms for commercial purposes.

Color	25
Form	25
Fullness	15
Size	15
Stem and foliage	10
Substance	10
Total	100

Scale E—Scale of points for specimen blooms for exhibition purposes.

Distinctiveness	25
Color	15
Form	15
Size	15
Stem	10
Foliage	10
Fullness	10
Total	100

EDWIN LONSDALE, Secretary.
Wyndmoor, near Philadelphia, Pa.

CHICAGO.—Nathan Smith & Son, Adrian, Mich., sent Omega, George F. Kalb × Mrs. Jerome Jones. Planted June 20, bud taken September 15, cut October 25; color, a straw yellow; broad, open rays, in some of the flowers sent; others inclined to curve; size, 7 to 8 inches; a striking flower, but, possibly, the florets too sparse.

Name of pink exhibited October 20, Iolantha, not given in my last report.

ESS.

Coming Exhibitions.

(Secretaries of other shows will oblige by sending us schedules.)

We can supply you with a handsome lithographed chrysanthemum poster, 22 x 28, just the thing for advertising your exhibition, attractive and unique, and suitable for window display. Write us for sample and particulars as to prices, etc.

POUGHKEEPSIE, N. Y., November 6-8.—Dutchess County Horticultural Society. W. G. Saltford, manager, Poughkeepsie.

HARTFORD, CONN., November 6-9.—Connecticut Horticultural Society. L. H. Mead, Secretary, Hartford.

BOSTON, MASS., November 6-9.—Massachusetts Horticultural Society. Robert Manning, Secretary, Horticultural Hall.

CHICAGO, ILL., November 6-10.—Chicago Horticultural Society. W. N. Rudd, Secretary, Room 1002, 185 Dearborn Street.

MADISON, N. J., November 7-8.—Morris County Gardeners and Florists' Society. Charles H. Atkins, Secretary, Madison, N. J.

DENVER, COL., November 7 9.—Denver Florists' Club. A. M. Lewis, Secretary.

TARRYTOWN, N. Y., November 7-9—Tarrytown Horticultural Society, William F. McCord, secretary; M. J. Connellan, manager.

CHESTNUT HILL, Pa., November 7-9—Chestnut Hill Horticultural Society; Robert G. Carey, secretary.

ANDOVER, MASS., November 8-9.—Florists and Gardeners' Club.

COLD SPRINGS, N. Y., November 8-9.—Putnam County Horticultural Society. John A. Connolly, Secretary.

MOUNT KISCO, N. Y., November 8-9.—Bedford Flower Club. Herbert Spavins, secretary of the Westchester County Horticultural Society, by whose members exhibits will be staged and cared for.

LOUISVILLE, Ky., November 10-12—Kentucky Society of Florists; H. Lichtefeld, secretary.

MONTREAL, Quebec.—November 12-14, Gardeners and Florists' Club; W. H. Horobin, secretary, 130 Tupper street.

NEWPORT, R. I., November 13-15.—The Newport Horticultural Society. Recording Secretary, Robert Johnston, Harbourview.

WACO, TEX., November 13-17.—Texas State Floral Society. Mrs. M. B. Davis, Secretary, Waco.

PHILADELPHIA, PA., November 13-17.—Pennsylvania Horticultural Society. David Rust, Secretary, Horticultural Hall, Broad Street.

INDIANOPOLIS, Ind., November 14—State Florists' Society of Indiana; R. A. McKeand, Garfield Park, secretary.

PROVIDENCE, R. I., November 14-16.—Rhode Island Horticultural Society. C. W. Smith, Secretary, 61 Westminster Street.

ELMIRA, N. Y., November 14-15.—Elmira Horticultural Society; H. N. Hoffman, secretary.

ST. LOUIS, MO., November 14-16.—St. Louis Florists' Club. Emil Schray, Secretary, 4101 Pennsylvania Avenue.

NEW YORK, November 14-15.—American Institute Show in Berkeley Lyceum Building, 19-21 West 44th Street. Dr. F. M. Hexamer, 52 Lafayette Place, Chairman Committee on Horticulture.

HOUSTON, TEX., November 15-16.—Mrs. M. E. Bryan, Secretary.

BALTIMORE, MD., February 21-22 1901.—American Carnation Society. Vlbert M. Herr, Secretary, Lancaster, Pa.

NEW YORK, March, 1901.—American Rose Society, Leonard Barron, Secretary, 136 Liberty street.

The F. R. Pierson Co. Cup.

Our illustration shows an excellent representation of the silver cup to be offered by the F. R. Pierson Co., of Tarrytown, N. Y., at the forthcoming show of the Tarrytown Horticultural Society, to be held November 7 to 9, inclusive., for the best 12 blooms of chrysanthemum Colonel D. Appleton. There is every indication of a strong competition for this cup, great enthusiasm regarding it existing locally, particularly among the private gardeners.

Poughkeepsie, N.Y.

Anyone wishing to send anything to be exhibited at the Dutchess County Horticultural Society's exhibition, may address same to the care of William G. Saltford, Manager, State Armory, Poughkeepsie. Novelties or new plants and flowers are solicited. Exhibitors may sell their plants, to be delivered at the close of the show. W. G. G.

Montreal.

Trade Notes.

Chrysanthemums are now with us in quantity, although the variety is still rather limited. Bergmann is just about over; Lager, Henderson, Glory of the Pacific, and its white sports, constitute the major part of the cuts. The quality is just about the average. The main crop generally is 10 to 14 days later than usual. The retail demand is very fair. We have been favored with phenomenal weather—more like Summer than very late Fall. Carnations are coming along very fast, and unless cooler weather comes soon the crop will be over before Christmas.

Show Postponement.

November 7 being the day set for the Dominion elections, it has been thought advisable to postpone the show until Monday, Tuesday and Wednesday of the following week, i. e., November 12, 13, 14. Prospects for the exhibition are reported bright, and great competition in the cut flower section is predicted.

In answer to a letter accompanied by a box of American Beauty, Lord Strathcona, our honorary president, expressed the pleasure it would give him to open the show on the date given. His Lordship's letter was accompanied by a second check for $100 towards the funds of the Club. The music at the exhibition will be supplied by the concert orchestra of the First Battalion, Victoria Rifles of Canada. B.

Pittsburg.

Market News.

Last week's trade was fair; not much improvement is expected until the presidential election is over. From present indications the month of November promises well. There is an abundance of stock of every kind; the warm weather, which still continues, being largely responsible for this. Chrysanthemums are doing well; fine blooms are coming in and prices are more reasonable—6c. to about 15c. for good blooms, at retail $4 per dozen; seems about the best price obtainable, while medium sized flowers bring from $1.50 to $2.50 per dozen, and sell the best. Roses are abundant, values low. Carnations hold their price at from $1.50 up; pink kinds are plentiful; white is in good demand.

L. I. Neff has a new pink seedling carnation which he will likely put on the market the beginning of next year. It certainly looks to be a good one. The color is a soft pink. The plant is a profuse bloomer and makes good growth; the keeping qualities of the flowers are of the best; blooms five days old looked as fresh as if newly cut.

Brieabaugh Bros. are still adding to their plant, being about ready to glaze a very large house.

Thousands of people visited the exhibition of chrysanthemums in the Phipps conservatories last Sunday. The show is a success, but next week it will be still better, as more varieties will be in bloom. Superintendent Falconer and his assistants deserve much credit for their efforts to please the people, and no show held anywhere in the country is better patronized.

H. C. Frick's private conservatories in the East End were also open to the public, and will be so for several weeks. Several thousand blooms are on exhibition, among them some new ones of last Spring's importation from England. David Fraser, who has charge of the conservatories, is taking great pleasure in showing visitors through the different houses.

The regular monthly meeting of the Florists' Club takes place Thursday, November 8, in the Pittsburg Cut Flower Co.'s store room, at 8 p. m.

E. C. REINEMAN.

Boston.

The Market.

Business moves along rather slowly and there is not that weekly improvement noted which is usual at this season of the year. Two main causes are given for this condition; first, the absence of seasonable weather, and, second, the approaching election, with its consequent uncertainty.

The market is well supplied, but outside of chrysanthemums there would be a scarcity of really good stock, were the demand normal.

Roses are in good supply, but are generally of poor quality, excepting Beauty, which hold out very well. The call, however, is light, and the flowers move slowly, at about the same prices as have prevailed for some weeks back. Bride and Bridesmaid are of second-class quality, a very few being really fine. Kaiserin and Carnot are better, but are not up to the usual standard for this season. Liberty, Meteor and Morgan, too, move rather slowly at $1 to $3 per 100.

Carnations are in good supply, but the demand is limited since chrysanthemums have become more plentiful. Prices have dropped, No. 1 stock now bringing but $1 per 100, while extras and fancies go at $1.50; and once in a while $2 per 100 is realized.

Chrysanthemums are now abundant in all colors but red, which latter maintain good prices, owing to the extra demand last Saturday for the football game at Harvard, and the anticipated call this week (Saturday) when the last big game is played here. In white klads Ivory has now become quite plentiful, and seems to be the favorite white. Prices range from $3 to $6 per 100. In pink Mrs. Perrin and Viviand-Morel have appeared this week and supplant Glory of the Pacific. Pink ones now range in price from $4 to $6, while extra choice Perrin make $8, $10 and $12.50 per 100. In yellow Major Bonnaffon was brought in this week, and with Marion Henderson, Gold Lode, Robert Halliday, Mrs. O. P. Bassett and others, furnish quite a variety in shades of yellow. Flowers of this color fetch from $4 to $8 per 100 for smaller and ordinary grades, while the fancy varieties realize from $10 to $16 per 100.

Violets are improving in quality somewhat, and are coming along very fast, fetching from 35c. to 75c. per 100.

The cattleya supply is very heavy, and the blooms are moving rather slowly, causing a decrease in prices so that now good ones sell for $2 per dozen.

W. H. Elliott is bringing in a nice lot of that handsome yellow chrysanthemum, Mrs. O. P. Bassett, which realize $2 per dozen.

Thomas Roland had the first Major Bonnaffon, on Monday.

The Waban Rose conservatories are now cutting their large fancy exhibition chrysanthemums, which are fully up to the high standard of this establishment's productions. F. J. N.

CHANGES IN BUSINESS.

SOMERVILLE, MASS.—E. B. Wallace, of the firm of Pote & Wallace, has sold out his interest in the business to his partner.

BOSTON, MASS.—Mrs. M. Thompson, formerly with the Twombly Company, has opened a florist's store at 171A Tremont Street.

QUINCY, ILL.—Ernest Maag has disposed of his residence and greenhouses, and will leave shortly for Switzerland to recuperate his health. Joseph Kroner has purchased the property and takes possession.

CANNAS Extra large clumps, $3.00 per doz. Chas. Henderson, Chicago, Pres. Cleveland, Philadelphia, A. Bouvier, Paul Marquant, Queen Charlotte, Mme. Crozy, Black Prince, Duke of Marlboro, Le Clerq, Burbank, etc. **Shellrond Greenhouses, Grange P. O., Baltimore, Md.**

Mention the Florists' Exchange when writing.

50,000 DAHLIA CLUMPS for Fall Delivery. Descriptive Price List upon application. Stock up-to-date. Prices right.

IMPROVED DOUBLE FRINGED PETUNIAS 20 named varieties, strong, from 2 inch pots, $2.50 per 100; $22.50 per 1000.

HYDRANGEA OTAKSA Strong, 2½ inch pots, well-grown stock. $3 per 100; $27.50 per 1000. Satisfaction guaranteed

A. B. DAVIS & SON, Purcellville, Va

Mention the Florists' Exchange when writing.

ADOLPH C. FEHR,

Florist and Seedsman,

ROSES, CARNATIONS, SMILAX, CHRYSANTHEMUMS, Etc.

220 East Main St. Greenhouses. Carlyle Road,

BELLEVILLE, ILL.

Mention the Florists' Exchange when writing.

5,000 VINCA MAJOR VAR. Field-grown, full 2 to 3 ft., $6.00 per 100.

California Violet Clumps, $3.00 per 100; L. H. Campbell, $5.00, fine.

Blue and Crimson Spiræa, 2½ in., 3c.; field-grown, 6c.

Marguerites, white, 4 in., 6c.

Scotland Portia Carnations, to close, $3.00 per 100

Hydrangea Grandiflora. 3 year old, 8c. and 10c.

Double Althæas, named colors, 2½ to 3½ ft., 8c. Cash, Please.

BENJ. CONNELL, Florist, West Grove, Pa.

Mention the Florists' Exchange when writing.

PRIMROSE and CYCLAMEN

Primr se, latest improved large-flowering, fine plants, 2¼ inch, $1.50 per 100; 3 inch, extra strong, $4.00 per 100.

CYCLAMEN GIGANTEUM, 3 inch $4.00 per 100. Cash, please.

J. W. MILLER, Hatton, Pa.

Mention the Florists' Exchange when writing.

CYCLAMEN GIGANTEUM

4 colors. 4 inch pots, $10.00 and $12.00 per 100. Choicest strain, finely marbled, well set and in splendid condition.

Cineraria Hybrida Grandiflora Mitchell's Giant Prize, 2 inch, $2.50 per 100.

Primula Forbesii (Baby Primrose), extra fine plants from 3 in. pots, ready for 4s and 5s, only $5.00 per 100.

Heliotrope, dark, 3 inch, bushy, $3.00 per 100.

Begonia Rex, 15 varieties, 3 inch, $5.00 per 100.

Flowering Begonias, 2 in., 10 vars., $2.50 per 100.

Cyperus Alternifolius, 3 in., fine, 5 to 8 stems, $5.00 per 100

ROOTED CUTTINGS BY MAIL. per 100

Double Fringed Petunias, 50 varieties.... $1 25

Dreer's, Henderson's and Giants of California Petunia Grandiflora, single, 12 varieties 1.25

Strobilanthes Dyerianus 1.25

Ageratum, Princess Pauline 75

Heliotropes, 18 varieties 1 00

Fuchsias, 20 varieties 1 25

Not less than 5 of a variety in rooted cuttings. Cash with order, please.

GEORGE J. HUGHES, Berlin, N. J.

Mention the Florists' Exchange when writing.

EXPRESS PREPAID

On All Rooted Cuttings and Satisfaction Guaranteed.



50,000 **Red and Yellow Alternantherae,** 60c. a 100; $5 00 a 1000.

Ageratums, 4 vars.; Princess Pauline, 75c. a 100; $7 a 1000. A new rich blue, a dwarf variety. Habit like Pauline, a good one, 75c. a 100; $7.00 a 1000. Cope's Pet, blue, Lady Isabelle, white, 60c. a 100; $5.00 a 1000.

Heliotropes, 10 best varieties, $1 00 a 100; $8.00 a 1000.

Daisies, California, white; Yellow Castle, yellow; the only 2 vars., $1.00 a 100; $8.00 a 1000.

Flora Hill Carnations, $4.00 a 100. **Murillo Carnations,** $4.00 a 100. **Verbenas,** by the car load later on.

THAT CASH PLEASE.

C. HUMFELD, Clay Center, Kansas.

Mention the Florists' Exchange when writing.

FIVE REASONS Why You Should Place Your Orders for . . . AZALEAS

With Us At Once.

BECAUSE You can still take advantage of the mild weather, and have the plants come through safely by freight.

BECAUSE We are the largest buyers of Azaleas in the world, and make personal inspection of the stocks before they are shipped to us, and buy for spot cash, which enables us to secure lowest prices, and you the benefit in quality of the plants.

BECAUSE Our importations are all repacked at our own nursery. Plants that have suffered in transit, and which are not well set with buds being discarded, you receive nothing but first-class stock, which is certain to give satisfaction.

BECAUSE We can give you any special assortment of varieties that you may wish. This is a great advantage over the usual assorted case lots, sent over from Belgium, which invariably contain many varieties not at all suited to the American market.

BECAUSE We wish to convince you, as we have convinced many of the leading florists of the United States, that you can buy Azaleas from us to better advantage than if you make your own importations.



SPECIMEN AZALEA.

Mention this paper.

PRICES.

Include duty, packing and delivery in good condition to any Express, Freight or Steamship line in Philadelphia. Fine bushy crowns, well set with buds—

10 to 12 inches in diameter			per doz.,	$4.50;	per 100,	$35.00
12 to 14	"	"	"	6.00;	"	45.00
14 to 16	"	"	"	7.50;	"	55.00
16 to 18	"	"	"	12.00;	"	90.00
18 to 20	"	"	"	25.00;	"	200.00
20 to 24	"	"	"	36.00;	"	300.00

HENRY A. DREER, 714 Chestnut St., Phila., Pa.

VINCA Field-grown, strong, $3.00 and $4.00 per 100.

SMILAX Plants, Extra., 3 in., $2.50; 3 in. good, $2.00; 2½ in., $1.25 per 100.

CASH, PLEASE.

J. H. DANN & SON, Westfield, N. Y.

Mention the Florists' Exchange when writing.

PRIMROSES!

Per 100

Chinese Mixed, large flowering, fringed....$1 25

ASPARAGUS SPRENGERI, 2 in. pot. 2 50

ASPARAGUS PLUMOSUS, 2 " . 3 50

Cash, please.

JOS. H. CUNNINGHAM, Delaware, O.

Mention the Florists' Exchange when writing.

	Per 100
Geranium, in 10 vars., 2½ in. pots.....	$2.00
Lantana, " " " " "	2.00
Sweet Alyssum, giant Double, 2½ in. pots.....	2.00
Swainsona Alba, 2½ in pots.....	2.00
Lemon Verbena, " "	2 00
Coleus, good assortment, 2½ in. pots...	2.00
Smilax, 2½ in pots.....	1.25

CASH WITH ORDER.

R. VINCENT, JR. & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

PRIMROSES

	100	100
Finest strains, separate colors, single and double, 2½ inch.....	$2.50	$20.00
All colors mixed.....	2.00	15.00

Plants are extra fine, 2½ inch.

TERMS CASH. Address

S. ALFRED BAUR, Successor to Henry Niemeyer, **Erie, Pa.**

Mention the Florists' Exchange when writing.

Cyclamen Persicum Giganteum, Williams fine mixed, cz., $10.; 100 seeds, 50c.

Hardy Primulas, fine mixed, trade pkt., 25 cts.; Yellow Coucon, 20 cts.

Pansy, Giant, Mme. Perret, cz., $4.00; trade pkt., 25 c s.; Cecile Davy, pure white, trade pkt., 25 c's.; Giant Trimardeau, fine mixed, cz., $1.75; pkt., 20 cts.

Vinca, fine mixed, trade pkt., 20 c's.

BEAULIEU, Walker and Belmont Aves. **Woodhaven, N. Y.**

Mention the Florists' Exchange when writing.



AZALEA INDICA

Just received a large shipment, and they turned out to be finer than ever before. The varieties are: **Mme. Van der Cruyssen, B. A. Alba, Simon Mardner, Vervæneana, Empress of India, Emperor of Brazil, Prof. Walters, Niobe, Deutsche Perle, etc.**

	Doz.	100	1000
8-10 inches diameter....	$3.50	$27.50	$250 00
9-11 " "	4.00	30.00	285.00
10-12 " "	4.50	35.00	325.00
12-14 " "	6.00	42.50	400.00
14-16 " "	7.00	55.00	525.00
16-18 " "	12.00	90.00	

Large plants, $1.25, $1.50, $2.00, $3 00 each.

Araucaria Excelsa 3-4 tiers, doz., $9; 100, $65. 4-5 tiers, doz., $9; 100, $90.

These are extra fine plants, well-furnished.

Hydrangea Otaksa Strong plants. $15.00, $20.00, $25.00 per 100.

Kentia Belmoreana and Forsteriana $12, $15, $18, $24 per doz. Extra fine stock.

BOBBINK & ATKINS, Rutherford, N. J.

Mention the Florists' Exchange when writing.

AZALEAS

NOW READY We take pleasure in offering, **f. o. b. New York City, INDIAN AZALEAS,** double and single, leading market kinds. This is a specially low import offer both as to sizes and prices, and your early order is solicited.

Azaleas are growing in favor yearly, as the great demand this season proves. It is to your interest to order now and take advantage of the low prices we offer. These plants will be carefully packed and can be safely sent by freight. **Order at once to secure these rates, and mention paper.**

10 to 12 inch heads, $4.50 per doz.; $33.00 per 100
12 to 14 " " 6.00 " 43.00 "
14 to 16 " " 7.00 " 53.00 "
6 sold at dozen rates; 25 at 100 rates.

PETER HENDERSON & CO. 35 CORTLANDT STREET. **NEW YORK**

Mention the Florists' Exchange when writing.

GERANIUMS

100,000 Rooted Cuttings.—Francis Perkins, A. Ricard, John A. Doyle, J. J. Harris and Leonard Kelway, $2 00 per 100; $15.00 per 1000. S. A. Nutt, Beaute Poitevine, La Favorite, Ed. Daugledé, Mme. Dahouche, Acteon, Clare Frommot, Pres. Du Bois, and others, $1.50 per 100; $12.00 per 1000. D. Grant, $11.00 per 1000. Mme. Salleroi, $1.25 per 100; $10.00 per 1000.

Abutilons, Savitzii, trailing and 5 others, $1.50 per 100. **Double Petunias,** 30 varieties 2 inch pots, $2.00 per 100. **Manettia Bicolor,** 2 inch pots, $2.00 per 100. **Heliotropes,** 12 varieties, 2 inch pots, $2.00 per 100. **Weeping Lantanas,** $1.25 per 100. Cash with order.

☞ Special prices on large orders.

C. A. HARRIS & CO., Delanson, N. Y.

Mention the Florists' Exchange when writing.

To the Trade.

2000 ENGLISH IVIES

Strong plants, from 4 in. pots, $15.00 per 100.

A No. 1 SCOTT CARNATIONS $5.00 per 100.

SELAGINELLA From 3½ inch pots, $5.00 per 100.

64 SASHES 3 feet by 6 feet, 7 inch by 9 inch glass, good for frames making a house 10 feet by 100 feet; $65.00 for the lot.

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

100,000 GERANIUMS—ROOTED CUTTINGS.

SEND FOR LIST AND PRICES.

	Per 100
Asparagus Sprengeri, 2 in.....$3 00	
" " 2¼ in	4 00
Baby Primrose, 2¼ in.....	4 00
Begonia Rex, rooted cuttings.....	2 00
Lemon Verbena, Extra 2 and 2¼ in. at $3.00 and $4.00 per 100.	

	Per 100
Forget-me-not, (winter), rooted c'gs.	$2 00
" " (winter), 2 in.....	3 00
" " 4 in.....	10 00
Violets, Farquhar, 2¼ in., free of disease.	2 50
Vinca, 2¼ in...$3 00 3 in.....	5 00
" 4 in .....10 00 5 in.....	15 00
" rooted cuttings, $10.00 per 1000..	1 25

Send for Descriptive Circular and prices for the best Florists' Hose Nozzle.

TERMS CASH or C. O. D.

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

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Hundreds of Florists ARE USING OUR PULVERIZERS

You can regulate it. Send for list of testimonials. Pat. allowed Feb. 25, 1900. No. 1, $5.00; No. 2, $10; No. 3, $20.

The Florists' Supply Co.
No. Tonawanda, N. Y.

Mention the Florists' Exchange when writing

A New Catalogue entitled

Flowers AND Floral Designs

Twelve pages and handsome cover. Shows forty-one arrangements, with prices. For agents' use or promoting out-of-town trade.

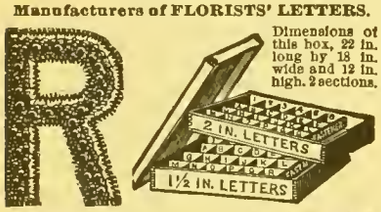
Sample, 40c. in stamps. Circular Free.

DAN'L B. LONG, Publisher, BUFFALO, N. Y.

Mention the Florists' Exchange when writing.

BOSTON FLORIST LETTER CO.

Manufacturers of FLORISTS' LETTERS.



Dimensions of this box, 22 in. long by 18 in. wide and 12 in. high. 2 sections.

This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1½ or 2 inch size, per 100, $2.00.
Script Letters, $4.00.
Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. & Manager,
FACTORY, 13 Green St. BOSTON, MASS. OFFICE, 84 Hawley St.

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ALL

Nurserymen, Seedsmen and Florists

Wishing to do business with Europe should send for the

"HORTICULTURAL ADVERTISER"

This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage, 75 cents. Address

EDITORS OF THE "H. A."
Chilwell Nurseries, LOWDHAM, NOTTS.

Mention the Florists' Exchange when writing.

Cincinnati.

Trade Improves.

Business is steadily improving, in a wholesale way. Plenty of stock is coming in to fill all orders. Chrysanthemums are moving fairly well, Robinson being by far the best seller of any of the varieties. Glory of the Pacific is good in its way, but only for the want of something better does it sell.

By the way, Nathan Smith & Son, Adrian, Mich., had a seedling before the committee here on October 20, that looks like a good early pink. It is an incurved sort, the color not unlike that of Perrin, with good stem and foliage. The parentage is Marquis De Montmort and Bergmann, and Mrs. Parker, Jr. It is named "Iolantha," height four feet, crown bud taken September 10, flowers cut October 15. The variety scaled 85 points, thereby gaining a certificate. There is certainly a place for this early variety, and if it is an easy grower it will be much sought after by all growers of the Queen of Autumn.

We are still having unusually warm weather for the time of year, which is a great detriment to the florist's business; in fact, it affects nearly all classes of trade.

Carnations are improving in quality very slowly, and very few are coming into the market that will fetch over $1.50 per hundred; most of them being sold at 75c. to $1. Ethel Crocker seems to be one of the best of all the new introductions, with Genevieve Lord a close second. Other sorts are growing nicely, but are not far enough advanced to allow of much being said about them.

Exhibitions.

The first of a series of exhibitions given by The Cincinnati Florists' Society will occur November 10, in the club rooms, and will be a chrysanthemum show. The people of Cincinnati are very much interested in these monthly shows, and thousands will visit the exhibition rooms during the season. These rooms being situated over the flower market proper, the people must pass through the market to get up stairs; therefore, the shows are of great benefit to the standholders, bringing many buyers to the market that would not otherwise come.

Fred Lemon, of the E. G. Hill Co., was in the city during the week, as was also John Lodder of Hamilton, O., and John Evans and brother. E. G. GILLETT.

Columbus, O.

The Market.

Fiue chrysanthemums are coming in now; they bring $1.50 to $2.50 per dozen and sell very well at those figures. Roses are rather slow, at $1; the continued warm weather keeps them a little soft. Carnations are going fairly well at 50c.; some very fine flowers are in the market.

In the way of plants chrysanthemums in pots go at from 15c. to 25c. each.

Horticultural Society Meeting.

The meeting of the Columbus Horticultural Society, October 27, at the State University, was well attended. Prof. Osborne passed around some figs sent him from California. They were samples of the first Smyrna figs grown on a commercial scale in this country. Fred K. Luke reported a successful attempt to ward off frost. He arranged his hose and spray nozzles to, as nearly as possible, equally wet all the plants in the bed, and kept it up while the frost would take effect. During one of the nights of the recent frosts the temperature sank to 28 degrees F. Where the plants were under the influence of the spray they are as bright as at any time during the Summer. The plants thus treated were canna, caladium, ageratum, nasturtium, geranium, celosia, achyranthes, and salvia. To do this one needs to go to a little trouble, and perhaps has to sacrifice a little sleep; but the beds can be enjoyed several weeks longer.

Various Notes.

Messrs. Breece, of West Berlin, O., Killen of New York, and Bell of Cincinnati, were among the recent callers.

On October 17 and 18 we had frosts which practically finished the flower beds. Since then the weather has been perfect. On the whole, but very little firing has been necessary.

Affleck Bros., after rebuilding, remain in the flower business. Rumor was current that they would grow vegetables.

Mrs. S. F. Stevens started for New York, October 27, whence, after a few days' sojourn, she will sail for Europe.

Ed. Evans, who for the past two weeks was quite sick, is able to attend to business again. FRITZ.

WHERE TO BUY HOLLY

Place your order with PULLEN. Place it now for the very best grade of bright green foliage, well berried, fresh from the swamps.

Holly Wreaths. Only first-class materials used—fresh green leaves plentifully clustered with berries. In ordering be sure and state sizes wanted and number of berry clusters desired on each. Goods shipped at proper time or on your order, carefully packed. Prices are most reasonably low.

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Plants. Can furnish anything you wish in plants.

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Write for Particulars. W. W. PULLEN, Nurseryman and Fruit Grower, MILFORD, Del.

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GALAX LEAVES For latest prices green and bronze Galax Leaves and Leucothoe, address the introducer, HARLAN P. KELSEY, Tremont Bldg., BOSTON, MASS.

HARDY CUT FERNS $1.00 per 1000.

Galax Leaves, Laurel Festooning,

And other Florists' Hardy Supplies. A Complete Stock Always on Hand.

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Louisville, Ky.

Up to the present, October 30, we have not had a killing frost and most of the time the temperature has been at Summer heat. This weather is the cause of a slowness in the demand for flowers. Roses are plentiful and of good quality, retailing at $1 to $1.50 per dozen. Beauty bring $2 to $4 per dozen. Carnations are improving slowly, and sell at 35c. to 50c. a dozen. Chrysanthemums are now coming in in greater variety and of better quality, and are retailing at from 50c. to $4 per dozen. J. S.

FRANK S. HINEY & CO.,

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Horticultural Illustrating in all known processes. Catalogue Cover Designs, etc.

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Hardy Cut Ferns

At 75 cts. per 1000, both fancy and dagger. Christmas Trees by the car load, or in small lots. Bouquet Green, $5.00 per 100 lbs. Sphagnum Moss, at 60c. per bbl. All orders by mail or dispatch, promptly attended to.

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HOLLY C. E. BROWN Bridgeville, Del.

PACKER AND DEALER.

Orders now booked for dark green, well-berried Holly. Holly Wreaths and Laurel in small and car lots.

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Palm Leaves

Fresh Green, Long Stems.

Extra large..... $6.00 per 1000
Large size..... 5 00 "
Medium..... 4.00 "

Cash with order, please.

FLORIDA NATURAL PRODUCTS CO.,
Box 327. Orlando, Fla.

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LONG NEEDLE PINES

From 2 to 5 ft. long, $5.00 to $10.00 per 100.

HOLLY, well berried, 25 lb. cases, $1.25.

Also WILD SMILAX.

Orders filled promptly on short notice.

Telegraph Station, Owassa, Ala.

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Engage your ferns for Winter now, price. 75c a 1000. Best Laurel Festooning, 4c. to 6c. a yd Telegraph New Salem, Mass.

CROWL FERN CO., Millington, Mass.

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Stop Walking the Floor

You won't be disappointed if you place your orders for SOUTHERN WILD SMILAX with Caldwell the Woodsman Co., Evergreen, Alabama, or their Agents—L. J. Kreshover, New York; J. B. Deamud, Chicago; M. Bice & Co., Philadelphia; Vail Seed Co., Indianapolis. Our advice—wire your orders and go "sleep in peace." N. B.—We also sell some HOLLY.

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Montezuma, N. C.,

DEALER IN

GALAX LEAVES

at Wholesale.

Orders filled promptly. Correspondence Solicited

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FANCY DAGGER

HARDY CUT FERNS

In 1000 lots, 75c. per M. Discount on larger orders.

Also dealer in Sphagnum Moss, Bouquet Green, Christmas Trees, etc., etc.

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J. K. ALLEN,
Wholesale Commission Dealer in
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106 W. 28th Street, New York.
Orders by mail or telegraph promptly attended to. Telephone, 167 Madison Square.
Fine ROSES and CARNATIONS, Specialties.

HEADQUARTERS FOR NOVELTIES
Beauties, Meteors, Brides and Bridesmaids are the leaders.
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SUPERB ORCHIDS, VIOLETS and VALLEY.
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Open every Morning at 6 o'clock for the Sale of Cut Flowers.
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Wholesale Prices of Cut Flowers, New York, November 2, 1900.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. Beauty, fancy—special	12.00 to 20.00
	" extra	8.00 to 10.00
	" No. 1	4.00 to 8.00
	" Culls & ordinary	2.00 to 3.00
	Bride, 'Maid, fancy—spc'l	4.00 to 5.00
	" extra	3.00 to 4.00
	" No. 1	1.00 to 2.00
	" No. 2	.50 to 1.00
	K. A. Victoria	3.00 to 6.00
	La France	1.00 to 3.00
	Liberty	2.00 to 10.00
	Meteor	2.00 to 6.00
	Papa Gontier	..... to .....
	Perle	1.00 to 2.00
Adiantum		.50 to .75
Asparagus		25.00 to 35.00
Asters		..... to .....
Callas		6.00 to 10.00
Chrysanthemums		3.00 to 10.00
	" fancy	10.00 to 25.00
Daisies		.50 to .75
Gladiolus		..... to .....

Carnations	Int'r grades, all colors	.35 to .50
	Standard Varieties: White	.75 to 1.00
	Pink	.75 to 1.00
	Red	.75 to 1.00
	Yel. & Var.	.75 to 1.00
	*Fancy—(*The highest grades of standard var.): White	1.00 to 1.50
	Pink	1.00 to 1.50
	Red	1.00 to 1.50
	Yel. & Var.	1.00 to 1.50
	Novelties	4.00 to 6.00
Lilies		3.00 to 4.00
Lily of the Valley		1.00 to 2.50
Mignonette—ordinary		.25 to 1.00
	" fancy	..... to .....
Orchids—		
	Cattleyas	25.00 to 40.00
	Cypripediums	..... to .....
	Dendrobium formosum	12.00 to 15.00
Smilax		8.00 to 10.00
Tuberoses		..... to .....
Violets—ordinary		.35 to .50
	" fancy	.50 to .75

WALTER F. SHERIDAN,
Wholesale Commission Dealer in
CUT FLOWERS
39 West 28th Street, New York.
Receiving Extra Quality AM. BEAUTIES and all other varieties of Roses.
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AND FLORISTS' SUPPLIES.
Also all kinds of Greens for Decorations.
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We have a fine grade of everything in market at present. Send us a Trial Order and we will do the rest.
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Receiving Daily Fine PRES. CARNOT KAISERINS, METEORS, BEAUTIES, Etc.

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Devotes his whole time to selling VIOLETS.
Fair dealing and prompt payments guaranteed.

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JOHN YOUNG,
Wholesale Florist
51 West 28th St., New York.
CYCAS PALM LEAVES always on hand.

Mention the Florists' Exchange when writing.
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UNSURPASSED FACILITIES enable us to give our customers prompt service, the best and choicest of flowers, including the latest novelties; handled and delivered with the greatest care and despatch. : : : :

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WM. J. BAKER,
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36 South 16th St., Phila., Pa.
Consignments of First-class Roses, Carnations and Violets Solicited.
Telephone connection.

GEO. M. MOSS,
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32 South 17th St., PHILADELPHIA, PA.
Long Distance 'Phone, 14330 D.
Consignments of choice ROSES, CARNATIONS, VIOLETS, solicited.
Fine VALLEY in stock at all times.

Mention the Florists' Exchange when writing.

Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Boston Nov. 1, 1900	Philadelphia Nov. 1, 1900	Baltimore Oct. 31, 1900	Buffalo Oct. 31, 1900	Toronto Oct. 22, 1900
Roses	A. BEAUTY, fancy—special	20.00 to 25.00	25.00 to 35.00	.... to	25.00 to 30.00	.... to ....
	" extra	12.50 to 16.00	20.00 to 25.00	.... to	15.00 to 20.00	.... to 25.00
	" No. 1	6.00 to 10.00	10.00 to 15.00	12.00 to 20.00	8.00 to 12.00	15.00 to 20.00
	" Culls & ordinary	2.00 to 4.00	5.00 to 8.00	5.00 to 10.00	4.00 to 6.00	5.00 to 10.00
	Bride, Maid, fancy—spc'l	... to 6.00	4.00 to 6.00	.... to	.... to	.... to ....
	" extra	3.00 to 4.00	3.00 to 4.00	.... to	4.00 to 5.00	.... to 8.00
	" No. 1	2.00 to 3.00	2.00 to 3.00	4.00 to 5.00	2.00 to 3.00	.... to 6.00
	" No. 2	.60 to 1.50	.75 to 2.00	2.00 to 3.00	1.00 to 2.00	1.00 to 3.00
	K. A. Victoria	2.00 to 6.00	2.00 to 6.00	2.00 to 4.00	2.00 to 5.00	.... to ....
	La France	... to ..	2.00 to 6.00	2.00 to 4.00	.... to	.... to ....
	Liberty	1.00 to 3.00	4.00 to 6.00	.... to	.... to	.... to 15.00
	Meteor	1.00 to 3.00	2.00 to 5.00	3.00 to 4.00	1.00 to 5.00	2.00 to 6.00
	Papa Gontier	.... to	.... to	2.00 to 3.00	.... to	.... to ....
	Perle	.50 to 3.00	2.00 to 4.00	2.00 to 3.00	1.00 to 3.00	1.00 to 4.00
	ORCHIDS—Cattleyas	.... to 16.00	25.00 to 40.00	.... to	.... to	.... to 25.00
	Cypripediums	.... to	.... to	.... to	.... to	10.00 to 15.00
	Dendroblum formosum	... to	.... to	.... to	... to	.... to ....
Carnations	Inf'r grades, all colors	.50 to .75	.40 to .75	.75 to 1.00	.75 to 1.00	.... to .75
	STANDARD VARIETIES White	.... to 1.00	1.00 to 1.50	1.25 to 1.5	1.00 to 1.50	1.00 to 1.50
	STANDARD VARIETIES Pink	.... to 1.00	1.00 to 1.50	1.25 to 1.5	1.00 to 1.50	1.00 to 1.50
	STANDARD VARIETIES Red	.... to 1.00	1.00 to 1.50	1.25 to 1.5	1.00 to 1.50	1.00 to 1.50
	STANDARD VARIETIES Yel. & Var.	.... to 1.00	1.00 to 1.5	.... to	1.00 to 1.50	1.00 to 1.50
	*FANCY— White	1.00 to 1.50	1.50 to 2.00	.... to	1.50 to 2.00	.... to ....
	*FANCY— Pink (*The highest grades of standard var)	1.00 to 1.50	1.50 to 2.00	.... to	1.50 to 2.00	.... to ....
	*FANCY— Red	1.00 to 1.50	1.50 to 2.00	.... to	1.50 to 2.00	.... to ....
	*FANCY— Yel. & Var.	1.00 to 1.50	1.50 to 2.00	.... to	1.50 to 2.00	.... to ....
	NOVELTIES	1.50 to 2.00	2.00 to 3.00	.... to	.... to	.... to ....
	ADIANTUM	.50 to .75	.75 to 1.00	.... to 1.00	.75 to 1.25	.... to .50
	ASPARAGUS	25.00 to 50.00	25.00 to 50.00	.... to 25.00	50.00 to 60.00	30.00 to 50.00
	CALLAS	.... to	.... to	6.00 to 8.00	.... to	.... to ....
	CHRYSANTHEMUMS	3.00 to 6.00	2.00 to 10.00	2.00 to 10.00	3.00 to 6.00	5.00 to 10.00
	CHRYSANTHEMUMS Fancy	6.00 to 12.50	10.00 to 25.00	12.00 to 16.00	8.00 to 15.00	.... to 15.00
	LILIES	.... to	.... to	.... to	.... to	5.00 to 7.00
	LILY OF THE VALLEY	2.00 to 4.00	2.00 to 5.00	2.00 to 3.00	3.00 to 4.00	3.00 to 4.00
	MIGNONETTE—ordinary	.... to	.... to	.... to	.... to	.... to ....
	MIGNONETTE—fancy	.... to	.... to	.... to	.... to	.... to ....
	SMILAX	8.00 to 10.00	12.00 to 15.00	10.00 to 25.00	12.00 to 15.00	2.50 to 25.00
	VIOLETS—ordinary	.35 to .50	.40 to .50	2.00 to 3.00	.40 to .60	.40 to .60
	VIOLETS—fancy	.... to .75	.75 to 1.00	.35 to .40	.75 to 1.00	.75 to 1.00

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Asparagus Plumosus
Mignonette
Pink Pond Lilies
Brides
'Maids
American Beauties

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CITY HALL CUT FLOWER MARKET,
15 PROVINCE ST. — 9 CHAPMAN PL.

Kaiserins
Meteors
Carnots
Orchids
Valley
Carnations

Can furnish at short notice. Price according to quality of goods. Long Distance Telephone, 2161 and 2071.

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CUT FLOWERS AND FLORISTS' SUPPLIES
No. 67 Bromfield St. and 18 Chapman Place, BOSTON, MASS.

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Consignments of Choice Valley and Roses Solicited.

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1526 Ranstead St., PHILADELPHIA,
Bet. Market and Chestnut Sts.
CHOICEST STOCK ALWAYS ON HAND.
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MERCER FLORAL CO.
CARL E. TAUBE, Proprietor,
WHOLESALE AND RETAIL CUT FLOWERS,
Carnations a Specialty, TRENTON, N. J.

Mention the Florists' Exchange when writing.

Baltimore.

The Cut Flower Market.

Business is fair, with a tendency to improve. Chrysanthemums predominate and wholesale for from $1 to $2 a dozen. Roses sell slowly and the supply is rather large. In the markets chrysanthemums sell well, but realize only from 10 to 25c.

Personals.

Mrs. Schuler, of Saratoga Street, will sell her store. Having married again she will go out of the flower business.

Mr. Holden, the manager of Mrs. Robert Garrett's estate, has returned from a trip to England.

John Cook showed your correspondent 500 feet of hardy orange hedge, in fine condition. He thinks that the failure of this plant at other places is due to a lack of good drainage rather than to a severe Winter.

T. E.

St. Louis.

The past week was noted for the great amount of stock received, roses principally, which has been difficult to dispose of, and the wholesale men did a lot of work for a small profit. Violets are also blooming out of proportion to the demand, and lots of them go to waste. Receipts of chrysanthemums of the better grades are not heavy and good flowers are snapped up at prices ranging at present from 20c. to 25c. per flower. Rather indifferent blooms of Glory of the Pacific and Bergmann bring only 6c. to 10c. Carnations are plentiful, and, owing to roses being so cheap, are a little lower in price.

Business is none too good, and is not expected to improve much until the weather changes and the election is over. The weather is still almost hot, with heavy rains; if it keeps up, it will likely set things growing again outside.

The nursery business is starting up late on account of the hot weather and no frost. Prospects are not over bright for Fall trade, in the ornamental lines, as, just now in this city, there seem to be no park trade or large plantings contemplated. C. C. S.

E. C. AMLING,
The Largest, Best Equipped, Most Centrally Located
Wholesale Cut-Flower
House in Chicago.
32, 34, 36 Randolph St., CHICAGO, ILL.

BASSETT & WASHBURN,
Wholesale Dealers and Growers of
CUT FLOWERS
76 WABASH AVE., CHICAGO, ILL
Greenhouses at Hinsdale, Ill.
L. D. 'Phone at Chicago, Main 223.
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Successor to Illinois Cut Flower Co.
Wholesale Cut Flowers
CONSIGNMENTS SOLICITED.
51 and 53 Wabash Ave., CHICAGO.

WIETOR BROTHERS
SUCCESSORS TO
ROGERS PARK FLORAL CO.,
Wholesale Growers of Cut Flowers
OFFICE AND SALESROOM,
51 WABASH AVE., CHICAGO.
Headquarters for AMERICAN BEAUTIES.

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Seeds, Bulbs, Florist Supplies and Cut Flowers,
76-78 WABASH AVE. The oldest cut flower house in Chicago, established in 1880. CHICAGO.

PITTSBURGH CUT FLOWER CO., Ltd.
WHOLESALE FLORISTS.
Long Distance 'Phone, 2167. No. 504 Liberty Street,
Florists' Supplies. Consignments Solicited. Write for Price List. PITTSBURGH, PA.

McKELLAR & WINTERSON,
Wholesale Commission Jobbers
In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work.
45, 47, 49 WABASH AVENUE, - - CHICAGO, ILL.

Wholesale Prices of Cut Flowers Per 100

	Names and Varieties	Chicago Oct. 31, '00	St. Louis Oct. 30, '00	Cincinnati Oct. 20, '00	Milwaukee Oct. 23, '00	Pittsburg Oct. 29, '00
Roses	A. BEAUTY, fancy—special	20.00 to 25.00	.... to	.... to 25.00	20.00 to 25.00	20.00 to 30.00
	" extra	18.00 to 20.00	12.50 to 15.00	.... to 20.00	10.00 to 15.00	12.00 to 18.00
	" No. 1	10.00 to 15.00	8.00 to 10.00	.... to 15.00	6.00 to 8.00	4.00 to 10.00
	" Culls & ordinary	3.00 to 5.00	4.00 to 6.00	8.00 to 10.00	3.00 to 4.00	2.00 to 4.00
	Bride, Maid, fancy-spec'l	4.00 to 5.00	.... to 4.00	.... to 5.00	.... to 4.00	4.00 to 6.00
	" extra	2.00 to 3.00	.... to 3.00	4.00 to 5.00	.... to 3.00	3.00 to 4.00
	" No. 1	.75 to 1.00	.... to 2.00	2.00 to 3.00	.... to 2.00	1.50 to 2.00
	" No. 2	.... to .50	.... to 1.50	1.00 to 2.00	.... to 1.00	1.00 to 1.50
	K. A. Victoria	3.00 to 5.00	2.00 to 4.00	.... to	.... to 4.00	2.00 to 10.00
	La France	.... to	.... to	.... to	.... to	.... to ....
	Liberty	3.00 to 5.00	2.00 to 3.00	.... to	.... to 4.00	2.00 to 6.00
	Meteor	2.00 to 4.00	2.00 to 4.00	3.00 to 6.00	2.00 to 4.00	2.00 to 4.00
	Papa Gontier	.... to	.... to	.... to	.... to	.... to ....
	Perle	1.00 to 4.00	2.00 to 4.00	2.00 to 3.00	3.00 to 4.00	2.00 to 4.00
	ORCHIDS—Cattleyas	30.00 to 40.00	.... to	.... to	.... tr	.... to ....
	Cypripediums	.... to 12.00	.... to	.... to	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	.50 to .75	.... to .50	.... to .50	.... to 1.00	.50 to .75
	STANDARD VARIETIES White	1.00 to 1.50	.75 to 1.00	1.00 to 1.50	.... to 1.00	1.00 to 1.25
	STANDARD VARIETIES Pink	1.00 to 2.00	.75 to 1.00	1.00 to 1.50	.... to 1.00	1.00 to 1.25
	STANDARD VARIETIES Red	1.00 to 2.00	.75 to 1.00	1.00 to 1.25	.... to 1.00	1.00 to 1.25
	STANDARD VARIETIES Yel.&Var.	1.00 to 2.00	.75 to 1.00	.... to 1.00	.... to 1.00	1.00 to 1.25
	*FANCY— White	.... to	1.50 to 2.00	.... to 2.00	1.50 to 2.00	1.50 to 2.00
	*FANCY— Pink	.... to	1.50 to 2.00	.... to 2.00	1.50 to 2.00	1.50 to 2.00
	*FANCY— Red	.... to	1.50 to 2.00	.... to 2.00	1.50 to 2.00	1.50 to 2.00
	*FANCY— Yel.&Var.	.... to	1.50 to 2.00	.... to	1.50 to 2.00	1.50 to 2.00
	NOVELTIES	.... to	.... to	.... to	1.50 to 2.00	.... to ....
	ADIANTUM	.75 to 1.00	.... to 1.00	.... to 1.00	.... to .75	.75 to 1.00
	ASPARAGUS	40.00 to 50.00	.... to	.... to	20.00 to 40.00	25.00 to 35.00
	ASTERS	.... to	.... to	.... to	.... to	.... to ....
	CALLAS	.... to	.... to	.... to	.... to	.... to ....
	CHRYSANTHEMUMS	5.00 to 8.00	.... to	4.00 to 8.00	6.00 to 8.00	2.00 to 4.00
	" Fancy	12.00 to 30.00	.... to	15.00 to 20.00	12.50 to 20.00	8.00 to 20.00
	DAISIES	.20 to .25	.... to	.... to	.... to .50	.... to ....
	GLADIOLUS	.... to	.... to	.... to	.... to	.... to ....
	LILIES	.... to	.... to	.... to	.... to	.... to ....
	LILY OF THE VALLEY	3.00 to 4.00	3.00 to 4.00	.... to 4.00	.... to 4.00	2.00 to 5.00
	MIGNONETTE—ordinary	2.00 to 4.00	.... to	.... to	.... to 3.00	.... to ....
	" fancy	.... to	.... to	.... to	.... to	.... to ....
	SMILAX	10.00 to 12.50	12.50 to 15.00	10.00 to 15.00	10.00 to 12.50	10.00 to 15.00
	TUBEROSES	2.00 to 4.00	.... to 3.00	.... to	.... to	.... to ....
	VIOLETS—ordinary	.30 to .50	.... to .35	.... to .50	.... to .50	.25 to .35
	" fancy	.75 to 1.00	.... to	.... to .75	.... to .75	.50 to .75

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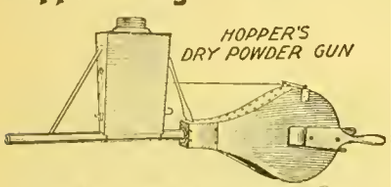

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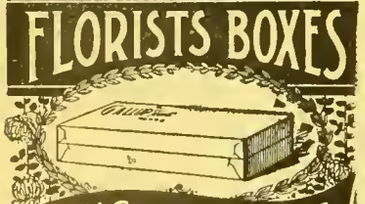

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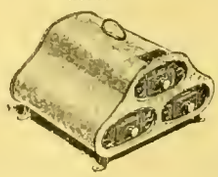

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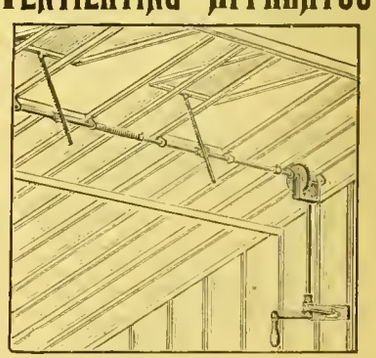

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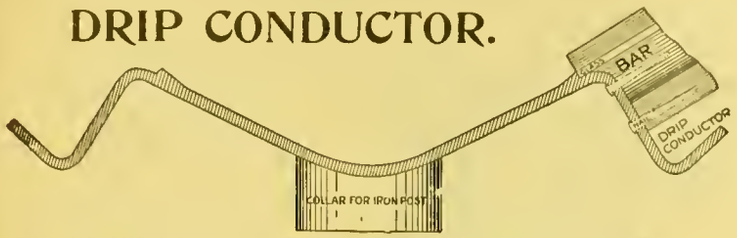

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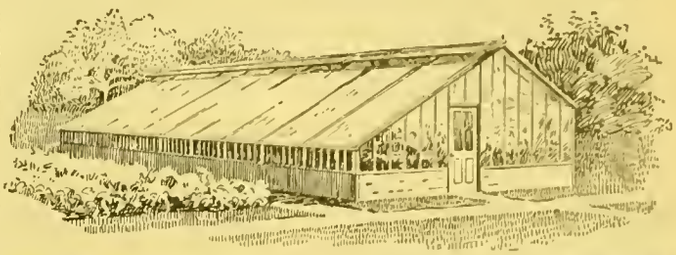

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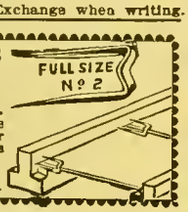

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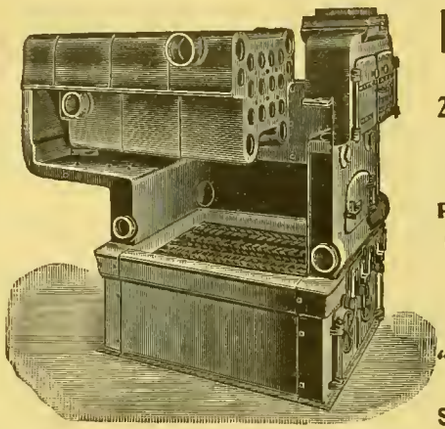

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La France and Princess of Wales, clumps from open ground, $5.00 per 100.

CHINESE PRIMROSES In separate colors from 4 inch pots, strong plants, $1.00 per doz. These plants will bloom for Christmas.

PRIMULA FORBESII 3 inch pots, $5.00 per 100.

UMBRELLA PLANTS 3 inch pots, $5.00 per 100.

PANSY PLANTS The very finest strain, in separate colors, $1.00 per 100.

C. EISELE, Philadelphia, Pa.
11th and Jefferson Streets.
Mention the Florists' Exchange when writing.

Wild Smilax Is Now Arriving. Write for Prices.

Galax Leaves Brilliant Bronze or Green, $1.50 per 1000.

FANCY FERN, DAGGER FERN, Etc., at Market Prices.
Telephone, 798 Madison Sq. HARRY A. BUNYARD, 38 W. 28th St., New York.
Mention the Florists' Exchange when writing.

MAKE PARTICULAR NOTE OF DAY AND DATE OF THIS IMPORTANT SALE.

Wednesday, November 7, 1900.

ON THIS DATE **CLEARY & CO.** WILL HOLD THEIR OPENING SALE OF

RHODODENDRONS, AZALEAS,
HYDRANGEAS, LILACS, SPIRÆAS,
NURSERY STOCK, Etc., Etc.

HARDY ROSES

Also Palms and other Decorative Plants, Evergreens, Bulbs

And all other seasonable stock of Horticultural Supplies, making in all a most important collection of desirable goods, worthy of best attention. To be sold without reserve. The stock is from a very select list of consignors, whose reputations are a guarantee of the quality of the plants offered.

CLEARY & CO., Auctioneers. Salesrooms, 60 Vesey St., NEW YORK.
Mention the Florists' Exchange when writing.

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant.

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL.

Vol. XII. No. 45. NEW YORK, NOVEMBER 10, 1900. One Dollar Per Year.

SEVERAL very large shipments of JAPAN LONGIFLORUM have arrived in very bad condition—more than half of the bulbs having been lost by rotting. This large loss will make a scarcity in this ... probably many dealers will be unable to fill their orders in full.

If you do not succeed in getting your full supplies, we have to offer a fine lot of

5-7 Bermuda-Grown LONGIFLORUM

These bulbs are in splendid shape. We can offer them at **$14.00 per case.** 350 bulbs to the case.

WE ALSO HAVE A FINE STOCK OF

LILIUM HARRISII.

7-9 in. size is generally scarce, but we have a very fine stock of this size still on hand. These are a lot of bulbs that were left in the ground and dug late, and, in consequence, are in grand shape. Bulbs are plump, bright and clean, and are as fine a lot of Harrisii as any one would want to handle. We can supply these as long as unsold as follows:

5-7 inch, 400 bulbs to the case, only $16.00 per case.
7-9 inch, 200 bulbs to the case, only $18.00 per case.

ORDER AT ONCE BEFORE WE ARE SOLD OUT.

We can also offer a fine stock of **WHITE ROMAN HYACINTHS**
Extra quality bulbs, 12-15 ctm., in case lots, 2,100 bulbs to the case, **$16.00 per 1000.**

PAPER WHITE NARCISSUS GRANDIFLORA Case lots, about 1,300 bulbs to the case, $7.50 per 1000.

☞ **Five per cent. discount from above-named prices when cash is remitted with order.**

F. R. PIERSON CO., Tarrytown-on-Hudson, N.Y.



Asparagus Plumosus Nanus

CUT STRINGS, 8 to 10 Feet Long **50 CTS.**

W. H. ELLIOTT, BRIGHTON, MASS.

IT'S ENGLISH

NEW CROP SEED Saved expressly for us by a most celebrated English firm from their prize-winning specimens.

Cyclamen Persicum Giganteum

Alba Perfecta, pure white, very large.
Aigburth Crimson, rich self crimson.
Crimson King, splendid crimson.
Charming Bride, pure white.
Giganteum, pure white, tipped crimson.
Purple King, intense purple crimson.
Peach Blossom, delicate pale lilac.
Rosea, pretty light rose.
Rosy Morn, fine rosy purple.

$1.00 per 100 Seeds; $9.00 per 1000 Seeds.

BULBS.

Chinese Sacred Narcissus First shipment just to hand. Per basket of 30 bulbs, **$1.50.** 4 baskets or mat of 120 bulbs for **$5.50,** or **$45.00** per 1000.

Japan Longiflorum Lilies Now ready for delivery, in splendid condition. One whole box sold at thousand rate.

5 to 7, 500 in box, **$20.00** per 1000. 7 to 9, 300 in box, **$50.00** per 1000.
6 to 8, 400 in box, **$30.00** per 1000. 8 to 10, 200 in box, **$80.00** per 1000.

Paper White Narcissus Grandiflora
Large bulbs, **80c.** per 100; **$7.50** per 1000; or one whole case of 1600 bulbs for **$10.**

PLANTS.

Asparagus Plumosus Nanus Plants
A very special lot, in 2½ inch pots, ready for 3's, **$40.00** per 1000; **$5.00** per 100; **75 cts.** per dozen.

CLUCAS & BODDINGTON CO., 342 W. 14th St., N.Y. City. Telephone, 461 18th.
Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS.

Business Candidates Elected

We are ready for BUSINESS

WHAT'S THE MATTER WITH

OUR CANDIDATES

ROOSEVELT AND PROSPERITY

THE BEST TWO CARNATIONS IN SIGHT

ORDER EARLY

ROOSEVELT, $12.00 per 100; $100.00 per 1000.
PROSPERITY, $16.00 per 100; $130.00 per 1000.

YOU CAN GET THEM AT

THE COTTAGE GARDENS, Queens, L. I.

See Our Advertisement, page 1065.

Mention the Florists' Exchange when writing.

PROTECT YOUR FRAMES



Before it is too late

with

STRAW MATS

Extra Rye Straw and Tar Rope.

Size, 3 ft. x 6 ft., 90c. $10.00 per doz.
Size, 6 ft. x 6 ft., $1 50. $16.00 per doz.

BURLAP MATS

Indestructible. 6 x 6.

$1.00 each. $11.00 per doz.

WM. ELLIOTT & SONS, New York.

Mention the Florists' Exchange when writing.

PALM SEEDS

Fresh on Hand.

Chamærops Excelsa (to 10 lb. lots at 30c.)	per lb.,		40c.
Washingtonia Robusta	"		25c.
	Per 100	1000	5000
Erythea Edulis (Brahea Edulis)	50c.	$4.00	$18.00
Phœnix Canariensis	50c.	2.00	
Phœnix Reclinata	25c.	$2.00	8.75

GERMAIN SEED & PLANT CO., Los Angeles, Cal.

Mention the Florists' Exchange when writing.

Asparagus Comorensis

The Best for Strings.

Fresh Seed, $5.00 per 1000, postpaid.

SO. CAL. ACCLIMATIZING ASSOCIATION, Santa Barbara, Cal.

Mention the Florists' Exchange when writing.

A BARGAIN —IN— SURPLUS BULBS

Tell Us What You Can Use.
We will Quote RIGHT PRICES.

SAMPLES FREE IF YOU WISH.

LILIUM LONGIFLORUM,	Japan,	-	7- 9
" "	"	-	9-10
" "	Bermuda,	-	5- 7
LILIUM HARRISII,	-	-	9-11
" "	-	-	11-13

FREESIA, MAMMOTH.
HYACINTHS, DOUBLE BEDDING.
NARCISSUS VON SION, Extra.
TULIPS LA REINE, Extra.
TULIPS, YELLOW PRINCE, Extra.

Now Ready, **LIL. AURATUM, RUBRUM, ALBUM.**
Let us have your order for **JAPANESE FERN BALLS.** Our stock is cured and ready for starting. Prices on application. December delivery.

Try our **London Market LILY OF THE VALLEY Pips** for forcing. Large Bells. Fine Foliage.

VAUGHAN'S SEED STORE, 14 Barclay St., NEW YORK. 84-86 Randolph St., CHICAGO.

Mention the Florists' Exchange when writing.

Surplus Stock at Import Price

HYACINTHS.

	12	100	1000
French Roman White, 12-15	$0 25	$1 60	$15 00
Dutch Roman White, extra named	40	2 50	24 00
Dutch Hyacinths, Separate colors, 1st Size Extra	60	4 00	38 00
Dutch Named, florists' best sorts, your choice	75	6 00	

NARCISSUS.

	12	100	1000
Paper White, Grandiflora	$0 15	$0 75	$6 25
Trumpet Major, large	15	1 80	8 00
Alba Plena Odorata	15	1 00	8 00
Von Sion, extra size, double nosed	25	1 60	15 00
" first size	20	1 25	11 00
Poeticus	10	40	3 25
" Ornatus	15	1 00	8 00
All sorts Narcissi in very finest mixture, single, double, Trumpet and Daffodil	15	1 00	7 50

TULIPS.

Belle Alliance	.20	1.20	9.00
Keizerskroon	.15	1.25	10.50
La Reine	.15	1.20	10.00
Rose Grisdelin	.25	1.50	13.00
Yellow Prince, or Chrysolora	.25	1.30	11.00
La Candeur, etc., etc	.15	1.00	8.00
Single and Double, choicest mixed	.10	.75	6.50

LILIES.

Longiflorum Japan, sound, clean stock.

5-7 inch	100,	$2.00;	Case of 500,	$9.00 Net.
6-8 "	"	3.00;	" 450,	12.00 "
7-9 "	"	5.00;	" 300,	12.00 "

	Per 12	100
Lilium Auratum, 8-9 inch	$0 60	$4 00
" " 9-11 inch	1 00	7 00
Lilium Rubrum, 8-9 inch	60	4 00
" " 9-11 inch	85	6 00
Lilium Album, 8-9 inch	75	5 00
" " 9-11 inch	85	6 00

JUST RECEIVED.

Calla, Richardia Maculata Spotted Calla, fine bulbs, Per 12, 50c.; per 100, $3.00.

Cyclamen Giganteum Persicum bulbs

Monster flowers; pure white, rose, crimson, white with red eye, rose with red eye, per doz., $1.20; per 100, $8.00.

For Clearance we offer
Allium Neapolitanum, 100, 30c; 1000, $2.50 net.
5 per cent cash discount on all bulbs not marked net.

NOTICE Let us know your wants in all forcing bulbs. We have a fine SURPLUS and will make prices satisfactory.

SEEDS.

SWEET PEA, 1900 CROP, offered for early forcing in your choice at 25c. a lb.



FERN BALL.

Japan Fern Ball December to January delivery. Write for prices. We were the first firm in U. S. who introduced these in 1878. **Order now** and secure **bona fide** long-leaved stock.

H. H. BERGER & CO. (ESTABLISHED 1878), **47 Barclay Street, New York.**

Mention the Florists' Exchange when writing.

HIGH-GRADE BULBS!

LILIUM LONGIFLORUM

	Per doz.	Per 100.		Per doz.	Per 100.
5-7	$0.40	$2.50	8-9	$0.90	$7.00
6-8	.50	3.50	8-10	1.00	7.50
7-9	.75	5.00	9-10	1.25	8.50

JONQUIL (Campernelle), 75c. per 100; $5.50 per 1000

HYACINTHS, Single or Double, in Pure White, Blush White, Light Blue, Dark Blue, Pink, Red, $1.50 per 100; $10.00 per 1000.

NARCISSUS

	Per 100	Per 1
VON SION, first size	$1 50	$14
Double Nose	2 00	18
PAPER WHITE, large-flowering	1 00	7
TRUMPET MAJOR, Mammoth	1 00	9
FREESIA Pure White, 65 cts. per 1	$5.00 per 1000.	

Send for Wholesale Catalogue.

STUMPP & WALTER CO., 50 BARCLAY STREET, **NEW YOR**

Mention the Florists' Exchange when writing.

SURPLUS BULBS

White Roman Hyacinths, 12-15, 2000 in a case, $25.00 per case; $14.00 per 1000.

Pink Roman Hyacinths, $12 per 1000.

Dark Rose Roman Hyacinths, $12.00 per 1000.

Paper White Grandiflora, 13,300 bulbs in case, $6 75 per 1000; $7.00 per case.

Allium Neapolitanum, $4 00 per 1000.

Also **Callas, Hyacinths** and **Tulips.**

If in need send us a list of your wants. We will make you a low price.

W. W. RAWSON & CO.

12 & 13 Faneuil Hall Square, BOSTON, MASS.

Mention the Florists' Exchange when writing.

1901 Specialties . . .

Asters Daybreak, Purity and Branching Comet...

Cabbage Novelty . . .

20th Century Earlier than the Wakefield, as solid as Danish Ballhead. Write for prices and description. Halftone cuts for catalogue purposes.

JAMES VICK'S SONS, ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

SEEDS FOR FORCING

TOMATOES, { Best of All, Lorillard, Frogmore Selected.

CUCUMBERS. MELONS.

SURE CROP MUSHROOM SPAWN, $8 per 100 lbs

WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., N. Y. City

Mention the Florists' Exchange when writing

CALADIUMS

FANCY-LEAVED.

Ready in December a choice collection of named varieties, dry bulbs, as follows:

⅝ to 1 in. diam	$3.75 per 100;	$30.00 per 1000
Over 1 to 2 in. diam.	5.00 "	45.00 "
Over 2 to 3 in. diam.	12.00 "	

PHRYNIUM VARIEGATUM

Elegant foliage plant, green and white, tubers, $4.00 per 100; $25.00 per 1000.

THE JESSAMINE GARDENS, Jessamine, Fl

Italian Seeds

Our Wholesale Seed Catalogue has been posted to the Trade. If not received please apply to

DAMMANN & CO.,

San Giovanni a Teduccio, Prov. of Naples, Ita Seed Growers.

Purveyors to H. M. the King of Italy.

Mention the Florists' Exchange when writin

HYACINTHS

Dutch, named, first size.
Dutch, first size, separate color

TULIPS

Extra Selected in Best Market Varieties.

NARCISSUS

VON SION, Mammoth Size.

CHINESE SACRED LILIES.

Prices Cheerfully Given on Large and Small Quantities.

F. W. O. SCHMITZ, Jersey City, New Jersey

Mention the Florists' Exchange when writing

Special Offer of SURPLUS BULBS

HYACINTHS.

	Per 100	Per 1000
White Roman, 11-12	$0 60	$7 00
" " 12-15	1 15	10 00
" " 13-15	1 35	12 00
Dutch, single, separate colors, extra	3 65	35 00
Dutch, double, separate colors, extra	3 65	35 00
Dutch, named varieties, our selection	4 00	

NARCISSUS.

Paper White	40	3 00
" " grandiflora	50	4 00
" " " extra	60	5 00
General Gordon, extra	1 25	
Grand Monarque, extra	1 25	
Emperor	4 00	
Alba Plena Odorata	60	5 00
Trumpet Major	1 00	9 00
Incomparabilis Plenus	50	

SNOWDROPS.

Double	40	
Single	75	

JONQUILS.

	Per 100	Per 1000
Campernelle Rugulosus	$0 50	

CROCUS.

Mixed, separate colors	25	2 00
Allium Neapolitanum	25	

TULIPS.

Double, La Candeur	75	
" Tournesol, red and yellow	1 30	12 00
" Murillo	1 90	18 00
" Fine mixed	60	5 00
" Superfine, mixed, extra	70	6 00
Single, Duc Van Thol, scarlet	80	7 00
" La Reine	90	8 00
" L'Immaculee	80	7 00
" Pottebakker, scarlet	1 00	
" " white	1 25	
" Yellow Prince	1 25	
" Rose Grisdelin	1 25	
" Chrysolora	1 25	
" Gesneriana, scarlet	90	8 00
" Bouton d'Or	90	8 00
" Yellow Rose	90	8 00
" Fine, mixed	60	5 00
" Superfine, mixed, extra	70	6 00

All of the above are choice quality.

H. WATERER, 107 and 109 South 7th St., **Philadelphia, Pa.**

Mention the Florists' Exchange when writing.

SPECIAL BULB OFFER!

ench White Roman Hyacinths.....12-15 cent., at $1.75 per 100; $16.00 per 1000
ouble Von Sion Narcissus, large Double Nosed Bulbs.. 1.75 per 100; 16.50 per 1000
per White Grand Narcissus..... .75 per 100; 6.75 per 1000
reesia Refracta Alba..... .50 per 100; 4.00 per 1000
inese Sacred Lilies.....per basket (30 bulbs), $1.50; per mat (120 bulbs), $5.50

OHNSON & STOKES, Seedsmen, Philadelphia, Pa.
217 and 219 Market Street.



Rahway, N. J.—William H. Brunning, ho recently started in the seed business re, has met with a bad accident in hich he lost part of the index finger of s right hand.

Boston, Mass.—To meet the requirements of their increasing business, R. & Farquhar & Co. will occupy the entire ilding at 6 and 7 South Market Street, and after, January 1, 1901. The lesroom will be located on the street oor.

Platte County (Neb.) Seed Industry. The seed industry in Platte County, braska, is assuming large proportions is year, being profitably engaged in by er a dozen farmers, though on a larger ale by the Emerson Seed Company an by any of the others. The success- operation of the enterprise is made ssible by the Nebraska central irriga- on ditch, which passes through the unty, furnishing an abundant water pply. The Emerson Company bought e 400-acre farm of H. J. Hendry near onroe last Spring, and have raised cumber seed by the car load this year. ac Kenyon has 17 acres of Hubbard nash, from which he got 300 pounds seed to the acre. This he sells to the M. Ferry Seed Company. The squash lls are found to be one of the best foods r sheep and cattle and sell for $1.25 a ad. H. E. Babcock has 110 acres of veet corn, which yield from 45 to 60 shels an acre. William Webster, David nkins, Thomas Hill, Robert Anderson, W. Mannington, Charles Chapin, rant DeLoome and D. W. Murdock have so found seed raising profitable.

European Notes.

Although snow has fallen in some parts of Germany, the weather generally remains fairly favorable for Autumn work. At the same time we sadly need more rain, for the many showers that have fallen have not penetrated more than one foot below the surface, and the subsoil remains hard and quite dry. Cabbages develop very slowly and root crops remain practically stagnant for lack of moisture.

While these conditions prevail in Northern Europe, the reports from the South are far more cheerful, and the brilliant sunshine now prevailing has materially increased the crops of balsams, zinnias, salvias, celosias and dahlias. In Italy, the plantings of onions and cauliflowers for next year's crop are practically completed. The acreage of each that has been planted is the smallest for many years past, and there can only be a full supply if we have an exceptionally favorable season. In any case prices for both articles will be considerably higher.

As regards southern-grown vegetable seeds most of the leguminous and cucurbitaceous plants have been badly injured by tree bugs, which came in such quantity as was never recorded before.

In England the root shows are now in full swing. Among items deserving special mention are the Sutton Crimson Globe beet, a variety fully described by the name, which is rapidly supplanting all the other round varieties, by the handsome form of the root, and the rich deep color of the flesh. Its cooking qualities are of the first order. Brown's Universal Swede was favorably spoken of in these notes when it was first exhibited. The past Summer has thoroughly put its mildew-resisting qualities to the test, and the results far exceed our most sanguine expectations. No other variety has done so well, or yielded as large a crop by fully 50 per cent. As the root shows no sign of coarseness, and is of excellent keeping quality, it would prove a great boon for cultivation in hot climates. The Smithfield Club Show, in December next, may have other surprises in store.

As regards the present season's crops of beet and carrot, if they all turn out on the same lines as those we have already threshed, the yield will not be one-half as much as our lowest estimate.

W. B. Hoyt, of the Cleveland Seed Co., is in England soliciting contracts for peas. EUROPEAN SEEDS.

GERANIUM SEEDS!

Good Venture Mixture, 25 new, large flowering sorts, 50c. per pkt.; $6.00 per oz.; ¼ lb., $20.00.
Large Flowering, Splendid Mixed, 25c. per pkt.; $2.50 per oz.; ¼ lb., $8.00.
Large Flowering White, Pink, Snuv. de Mirundu, $2.00 per 1000 seeds.
Mme. Bruant, Dark Crimson, Fleur de Poitevine, 30c. per 100 seeds.
Large Flowering Scarlet, with white eye, $1.75 per oz.; choice mixed, $7.00 per lb.
Double, Splendid Mixed (new), 25 seeds, 50c.
Bronze and Gold, 25c. per pkt.; **Gold and Silver**, tri-color, 50c. per 100 seeds.
ASPARAGUS SPRENGERI, $3.00 per 1000 seeds; $25.00 per 10,000 seeds.
SMILAX, New Crop, 20c. per oz.; $2.00 per lb.
SEND FOR TRADE LIST.
MRS. THEODOSIA B. SHEPHERD,
Ventura-by-the-Sea, Calif.
Mention the Florists' Exchange when writing.

ESTABLISHED 1802
THORBURN'S SEEDS

BULBS NOW READY:

	100	1000
Lilium Longiflorum Japan,		
5 to 7 inch	$2.00	$18.00
6 to 8 "	3.00	27.00
7 to 9 "	4.50	40.00
9 to 10 "		90.00
Lilium Harrisii, 7 to 9 in.	8.00	75.00

Dutch Hyacinths, Narcissus, Tulips, etc.
Wholesale Bulb Catalogue mailed on application.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK
Mention the Florists' Exchange when writing.

PRIVET

	100	1000
18 to 24 in	$2.50	$22.50
2 to 3 ft	3.50	30.00
3 to 4 ft	5.50	50.00
Hydrangea P. G., 2 to 3 ft.	$7.00	$ 70.00
" " 3 to 4 ft.	10.00	100.00
Clematis Paniculata, No. 1,	7.50	70.00
" " Extra,	9.00	80.00
Ampelopsis Veitchii, No. 1	6.00	50.00
" " Extra,	8.00	75.00

Hardy Herbaceous Plants, in large variety.
Crimson, Yellow, White and Pink Ramblers.
SEND FOR WHOLESALE LIST.
ELIZABETH NURSERY COMPANY,
ELIZABETH, N. J.
Mention the Florists' Exchange when writing



Mention the Florists' Exchange when writing.

To Clear Out SURPLUS STOCK

Until Sold We Offer
L. HARRISII 5 to 7 inch, $24.00 per 1000. 7 to 9 inch, 68.00 "
WHITE ROMAN HYACINTHS Red Skin, 12 to 16 centimeter, $11.00 per 1000
NARCISSUS Large, Trumpet Princeps, $8.00 per 1000.
250 Bulbs at 1000 rate. Cash with order.
HULSEBOSCH BROS., Englewood, N. J.
Mention the Florists' Exchange when writing.

LAST CHANCE! CLEARING SALE! EXCEPTIONAL PRICES!

BULBS IN A 1 CONDITION
Samples on application.


Mention this paper

White Roman Hyacinths

FIRST SIZE BULBS, $1.00 per 100; $9.00 per 1000
EXTRA SIZE, 1.25 " 10.00 "
SELECTED SPECIAL, 1.50 " 12.00 "

Pink and Blue Roman Hyacinths

EXTRA SIZE BULBS,
$1.00 per 100; $8.00 per 1000.

WHITE ITALIAN HYACINTHS

EXTRA SIZE BULBS,
$1.00 per 100; $8.00 per 1000.

LILIUM HARRISII (BERMUDA EASTER LILY).

5 TO 7 INCH BULBS, $2.50 per 100; $20.00 per 1000
7 TO 9 INCH BULBS, $5.00 per 100; $40.00 per 1000

PAPER WHITE NARCISSUS

EXTRA FINE BULBS, 50 cts. per 100; $4.00 per 1000



PETER HENDERSON & CO. 35 and 37 CORTLANDT STREET, NEW YORK.

FOR FORCING

Magna Charta, Paul Neyron, Ulrich Brunner, low budded, on Manetti, $8.50 per 100; **Crimson Rambler,** 4 to 5 ft., heavily branched, $15 per 100. **Evergreens for Vases,** 15c. and upwards. **Privet,** 3 to 4 ft., $40 per 1000; 6 to 8 ft., $15 per 100. Smaller sizes if wanted

HIRAM T. JONES, Union County Nurseries, **Elizabeth, N. J.**

TREES

Fruit Trees, Small Fruits, including grapes. **Ornamental Trees, Evergreens** and **Shrubs** for public and private grounds. **Shade Trees** for streets. **Hardy Roses, Hardy Plants, Climbers,** etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.

ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. **Rochester, N. Y.**

Mention the Florists' Exchange when writing.

ANDORRA NURSERIES

Red and Pin Oaks, 10 to 14 feet
Hemlocks, 4 to 6 feet

TRANSPLANTED SPECIMEN TREES.

WILLIAM WARNER HARPER, Prop., Chestnut Hill, Philadelphia, Pa.

F. & F. NURSERIES

SPRINGFIELD NEW JERSEY

Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.

Mention the Florists' Exchange when writing

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN.

THEODORE J. SMITH, Geneva, N. Y., President; N. W. HALE, Knoxville, Tenn., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

The firm of Meehan Brothers have lately added to their nursery at Dreshertown, Montgomery Co., Pa., over 100 acres of land, giving them 85 acres, including their former nursery. A commencement will be made to stock it with trees and shrubs at once, as the old portion is entirely filled. The firm consists of the three sons of Thomas Meehan, viz., Thomas B. Meehan, J. Franklin Meehan, and S. Mendelson Meehan. These three sons are also, with their father, the members of the firm of Thomas Meehan & Sons, of Germantown, Pa.

Though the Dreshertown nursery is an entirely distinct firm, as already stated, it is really an auxiliary of the Germantown one, which of itself consists of 75 acres. The additional land now acquired by the sons practically give the firm of Thomas Meehan & Sons the control of 260 acres for nursery purposes.

George H. Brown, of the Department of Public Buildings and Grounds, Washington, D. C., who many years ago resided in Philadelphia, paid a welcome visit to his friends here recently. He speaks favorably of the appearance of the trees and shrubs of Washington, and of the improvements in his line which have been made there.

Hardiness of the "Hardy Orange."—I am glad to notice what your correspondent, T. E., says of the behavior of the hardy orange, at Baltimore. That it should prove less hardy there than here is not strange. It is very well understood that it is the hot Winter's sun that determines the hardiness or otherwise of certain plants, and the further south one goes, the less hardy are other things as well, if where hard freezings occur at night. The Magnolia grandiflora is a case in point. This is considered a hardy tree in Philadelphia. There are some very large specimens of it here. They Winter better here than they do in Cincinnati, and in the adjacent towns of Indiana, though much further south than we are. And I have seen this tree at Arlington, Va., looking much worse in Spring than our Philadelphia trees do.

Another thing bearing on hardiness is the locality from which the seeds come, from which the plants are raised. Our hardy orange plants are from seeds obtained from trees fruiting here, just as the most of our Magnolia grandiflora trees are, and I believe plants so raised are much hardier than those from seeds emanating from the far South. Many of the orange plants are from Florida-grown seed, and I would not look for such seedlings to be as hardy as those raised from Philadelphia seed.

Ampelopsis Veitchii Japanese Ivy.—There is an ever-increasing demand for the Japanese Ivy, despite the far greater number sold every year over the preceding one. Much of the improved look of many residences is due to the use of this vine; besides, for the covering of boundary walls, outbuildings, and other objects, there is no other one that could take its place. In all cities this vine could be used to plant to the walls of dwellings. It would completely change the aspect of cities, and decidedly for the better. Many a poor dweller in a city would see a wall of green for the first time, were the houses to display this vine on their walls. Some of our churches and large manufacturing establishments have used it, and much to their betterment.

This vine varies much in character. The young leaves are usually much more divided than old ones. As the vine gets older, its leaves become of a less divided nature. Often two plants, side by side, will show marked differences for a long time, even in their Autumn coloring, but there is but one species, though attempts to keep separate, what seemed marked varieties, have been made.

There are various modes of propagating this vine, grafting on the Virginia creeper, cuttings and from seeds, being the chief ones. Vines of some age seed so freely that this is the favorite way of increasing them. The seeds are collected in November, and are kept in slightly damp earth till Spring, in a cool cellar, having been first washed free of pulp. Or, sowings may be made in beds outdoors, in the Autumn, as soon as the seeds are gathered, and without washing off the pulp. If kept in a cool place inside till Spring, the soil in which they are placed should be just moist enough to sustain the seed without shriveling. On the advent of Spring, sow the seeds in the open ground, or in boxes in a greenhouse.

Early Autumn Planting.—It is somewhat late in the season to speak to your readers in the North on the benefits of early Autumn planting, but it will not be so to those of the South, as the planting commences at a much later period than ours of the North. It is not so many years ago that it would have been deemed rank horticultural treason to have spoken of planting deciduous trees before the fall of the leaf. Now, it is a safe assertion that one-half of what are planted in Autumn are set before the leaves fall. Those who have not attempted it should make a trial of it and be convinced. Nurserymen start the planting of their own stock in September, setting out evergreens first, following with deciduous trees. The success is better at that season of the year than at any other. In ordinary seasons the functions of the leaves are practically fully performed by that time, and so there need be no hesitation in stripping them from the trees. This has to be done to have success; and though it makes transplanting more costly, it pays to do it and go on with the planting. Those who have not tried this system of planting would be interested in witnessing the numerous new roots one of these early planted trees would display if dug up in a few weeks after being planted. The ground being warm in early Autumn, it acts as a hotbed does on cuttings, and fibres start out in profusion. I have often witnessed it, having had occasion to lift again such trees. It is these fibres which assure one that the tree is safe, as they are working to provide the tree with what it requires for Winter. After many years' experience in this work, I am satisfied that better results follow the early planting, than by waiting for the leaves to fall before commencing.

CALADIUMS

Fancy leaved, 40 named sorts.

Dry bulbs, 1½ to 2½ in., at $10.00 per 100; $90.00 per 1000
" " 1 to 1½ " 8.00 " 70.00 "

ORANGES

Best sorts, grafted on Citrus Trifoliata.

Beautiful plants, bushy, 15–18 in., $30.00 per 100

PHOENIX CANARIENSIS AND TENUIS

Very Stocky.

3–4 characterized leaves, 15–18 in., $15.00 per 100
4–5 " " 20–24 " 25.00 "
5–6 " " 24–30 " 40.00 "

PHOENIX RECLINATA Very Stocky,

3–4 characterized leaves, 15–18 in., $25.00 per 100.

LATANIA 4–5 characterized leaves, 18–20 in., $25.00 per 100

BIOTA AUREA NANA Best dwarf Biota, 12–15 in., $12.00 per 100

Not less than 50 at above rates.
Send for Price List.

P. J. BERCKMANS CO., Augusta, Ga.

Mention the Florists' Exchange when writing.

SURPLUS FOR SPRING 1900

Can yet do **PEACHES** and **JAPAN PLUMS** in limited quantity; also **MILLER RED RASPBERRY, EARLY HARVEST BLACKBERRY, LUCRETIA DEWBERRY STRAWBERRIES** from best leading varieties.

Prices for same given upon application.

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ALEX. PULLEN, PROPRIETOR.

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Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., Geneva, N. Y.

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100,000 VINES

AMPELOPSIS QUINQUEFOLIA, X strong, field-grown, 2 and 3 years, $5 00 per 100; $40.00 per 1000.
AMPELOPSIS VEITCHII, strong, 2 year, field-grown, $5.00 per 100; $45.00 per 1000. Strong, 3 years, from 4 in. pots, $8.00 per 100.
CLEMATIS PANICULATA, strong, field-grown, 1 year, $3.50 per 100; $25.00 per 1000. 2 years, $5.00 per 100; $40.00 per 1000. 3 years, $8.00 per 100; $75.00 per 1000.
CLEMATIS FLAMMULA, X strong, 3 years, $6.00 per 100.
EUONYMUS RADICANS VARIEGATA, strong, 2 and 3 years, $6.00 per 100; $50.00 per 1000.
IVY, ENGLISH, strong, 1 year, field-grown, 2 to 3 ft., $5.00 per 100; $40.00 per 1000. Strong, 1 year, from 4 in. pots, $8.00 per 100; $70.00 per 1000.
HONEYSUCKLE, HALL'S JAPAN, strong, 2 years, field-grown, $5.00 per 100; $40.00 per 1000. X strong, 3 years, field-grown, $6 per 100; $50 per 1000.
Samples sent on application. Address

Mount Airy Nurseries, 7356 Germantown Ave., **Phila., Pa.**

THADDEUS N. YATES, Proprietor.

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HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 branches.

Otaksa, Red-Branched, Thos. Hogg,

Price, $10.00 per 100; $85.00 per 1000.

Send for our wholesale Price List of Roses, Clematis, Shrubs, Trees, etc., etc.

Letters to our representative, **Mr. J. Austin Shaw,** until further notice, may be sent to 271 Broadway, New York City.

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Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Pæonies.
Pot-grown plants for forcing,
Rhododendrons, H. P. Roses, etc.

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Just received from our Holland Nurseries

RHODODENDRONS,	AZALEAS,
SPIRÆA JAPONICA,	LILIUM SPECIOSUM,
PÆONIES,	BLEEDING HEART,
POT GROWN LILACS,	HYDRANGEA IN SORTS.

CLEMATIS and **H. P. ROSES,** in the best sorts.

PRICES MODERATE.

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CLIMBERS!

20,000 Clematis Paniculata 2 years from open ground and pot grown.
10,000 Ivies 1 year from open ground.
10,000 Ampelopsis Veitchii, 1 year pot-grown.
10,000 Hall's Honeysuckle, very strong.
5,000 Evergreen and Golden Honeysuckles.
10,000 Rosa Wichuraiana 1, 2 & 3 years old.
3,000 Wichuraiana Hybrids.
2,000 Actinidia Arguta.
Wistarias and other vines.

Nurseries { 30 miles from Philadelphia. 60 miles from New York.

THE WM. H. MOON CO., Morrisville, Pa.

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American Tree Seeds

Our Descriptive Catalog of American seeds is just out. Ask for it.

Our Folder, "How to Make Tree Seeds Grow," free with every order.

PINEHURST NURSERIES, Pinehurst, N.C.

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Grape Vines

Descriptive and Price List free.

Currants, Gooseberries and other **Small Fruit Plants.** Extra quality, Warranted true.

T. S. HUBBARD CO., FREDONIA, N. Y.

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OCTOBER PURPLE PLUM!

The best of all Burbank Plums. We have a large and fine stock of trees, one or two year's old on Plum and Peach stock. Address

STEPHEN HOYT'S SONS, New Canaan, Conn.

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NATIVE RHODODENDRON

RHODODENDRON MAXIMUM, fine shapely plants, with good balls, in sizes ranging from 12 inches up to 5 feet high, foliage to the ground and well branched. Every plant a specimen.

PRICES ON APPLICATION.

A. E. WOHLERT, - Altoona, Pa.

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Yucca Filamentosa

Fine, large plants, **$10.00 per 100.**

SAMUEL C. MOON, Morrisville, Pa.

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HARDY PLANTS!

For a nice, even, heavy border along driveway, try the **FUNKIA LANCÆFOLIA.** Its numerous glossy green leaves and spikes of lily-like flowers in September, make it one of the best. Price, $2.00 per 100; $15.00 per 1000. **Mist,** fine for bouquets, 10 for 50 cts.; $4.00 per 100. Helenium A. Superbum, Phlox, Columbine, Coreopsis, Lemon Lily, Iris, each kind, 10 for 50 cts.; $4.00 per 100. **Pansies,** $3 50 per 1000.

Cash with orders please.

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HEADQUARTERS FOR FORCING LILIES AT PROSPERITY PRICES

BERMUDA LONCIFLORUM, 5-7, **each 2 cts.** in lots of 1000, per case 100, $9.00; 7-9, per case 200, $6.00; 9-10, (Japan), per 100, $8.00. **HARRISSI,** 9-11, per 100, $18.00; 7-9, per 200, $16.00; 5-7, per 400, $12.00. **CHINESE NARCISSUS,** per mat, 120 bulbs, $4.75; per 1000, $35.00. **DOUBLE NARCISSUS, Von Sion,** first size, per 1000, $10.00; second size, per 1000, $9.00. **Cash with Order.**

C. H. JOOSTEN, Importer, 85 Dey St., NEW YORK.

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Scotch Heather in America.—The followiug communication appeared in a recent number of the New York Tribune:

I do not share in the doubt expressed by J. H. Higginbotham, of St. Louis, recently reported in the Tribune, as to the success of the Scotch heather—Calluna vulgaris—under ordinary conditions in the middle and northern section of this country, especially in favorable situations where normal conditions for the growth of the plants obtain. There are many varieties of the Erica in commerce in Europe, and they are now being included in some of the planting lists for parks and other ornamental grounds in this country. As the plants are comparatively inexpensive, and can be obtained here in good condition for a few dollars a hundred, there would seem no occasion for hesitancy in their use or in experimenting with them, unless in situations where there are unfavorable conditions of soil and climate; such possibly as may be found in localities about St. Louis, and other interior semi-southern points, where drought in Summer is frequently trying for any of the evergreen shrubs. By any one having seen the Scotch heather growing in its native habitat in Scotland and Northern Europe, I think the impression naturally formed would be that the plants should succeed with ordinary treatment here.

New York. FREDERICK W. KELSEY.

—There is no reason to doubt that the heather is well adapted to the greater part of our country. I have not the authorities by me, but am sure it is reported in a semi-wild state in the vicinity of Boston, and also at Egg Harbor City, New Jersey. It has been under my personal observation here for over twenty years, and in all that time has stood all kinds of weather in all seasons, uninjured, and it is growing in shallow, stony soil. The plant is not only native of England and Scotland, but of the whole of Northern Europe, as Mr. Kelsey says; and its home is in bleak and barren places. It has been at home in Philadelphia for 30 years, as have been two Ericas—vagans and stricta. All ericaceous plants have fine, hair-like roots, and in common with all plants with roots of similar character delight in light soil. They are well suited in soil containing many small stones, and of a sandy nature. The stones keep the soil open, which is what the roots desire. Such soils are often poor. Because of this it is inferred by many that the plants referred to, do not care for better soil, but this is a mistake. The roots are suited in such situations, but the plants will show a marked improvement in growth, if a mulching of good soil be given them.

JOSEPH MEEHAN.

600 Kaiserin A. Victoria

Extra strong, field-grown, well-branched, 2 to 3 ft. high, good stock for Easter and Spring sales, $8.00 per 100.

1000 Major Bonnaffon Chrysanthemums, stock plants, from bench, 5 cts. each. CASH WITH ORDER.

Samuel J. Bunting, Elmwood Ave. and 58th St. **Phila., Pa.**

Mention the Florists' Exchange when writing.

ROSE PLANTS

In varieties, from 2¼, 3 and 4 inch pots. Write for prices.

	100
Lemon Verbena, 3 in. pots	$4 00
Sansevieria Zeylanica, 3 in. pots	5.00
Asparagus Plumosus, 2½ in. pots	5 00
Asparagus Sprengeri, 2½ in. pots	4 00
Nephrolepis Cordata Compacta, 2½ in..	3.00
N. Cordata Compacta, 3 in. pans...per doz.,	6.00

Field-Grown, Scotch Hardy Pinks, at $3.50 per 100; $30.00 per 1000. 6 varieties.

THE NATIONAL PLANT CO., Dayton, Ohio

Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,

ROSES, PALMS, CROTONS,

...CARNATIONS...

and Novelties in Decorative Plants.

Market and 49th Sts., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

IF YOU NEED ROSES
Send us your list for prices.

THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.

Mention the Florists' Exchange when writing.

ROSES

For Late Planting.

Stroog, healthy plants of Bride, Perle, La France and Bridesmaid, from 4 inch pots, at $6.00 per 100.

ASPARAGUS SPRENGERI

Strong, 4 inch pots, $10.00 per 100.

DRACÆNA INDIVISA

Strong 4 inch pot plants, $8.00 per 100
Strong 5 inch pot plants, $12.00 per 100

I. H. MOSS, Govanstown, BALTIMORE, MD.

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ROSES

Perle	Sunset
Brides	Golden Gate
Bridesmaid	Maid of Honor
Bon Silene	Mermet

Strong clean plants, from 3 inch pots, $5 per 100; $40 per 1000.

Strong, Field-grown **CARNATIONS** Healthy Stock

America, Gen. Maceo.
1st size, $8.00 per 100; $70.00 per 1000
2d size, $6.00 per 100; $50.00 per 1000

Melba, Genl. Gomez, Armazindy.
1st size, $7.00 per 100; $60.00 per 1000
2d size, $5.00 per 100; $45.00 per 1000

Firefly, Psyche, Sea Shell, Victor.
1st size, $5.00 per 100; $40.00 per 1000
2d size, $4.00 per 100; $35.00 per 1000

SMILAX strong plants, from 2¼ in. pots, $2.50 per 100; $18.00 per 1000.

TRADE LIST ON APPLICATION.

WOOD BROS., Fishkill, N. Y.

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Deciduous Trees

Medium and large sizes, including OAKS, MAPLES, ORIENTAL PLANE, BEECH, BIRCH, GINKO, ELMS, ASH, LINDENS, MAGNOLIAS, POPLARS and WILLOWS.

We have an immense stock of the above and are prepared to name liberal rates in quantity. Personal inspection invited. Correspondence solicited.

Nurseries: {30 miles from Phila. 60 miles from New York.

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NOW READY We take pleasure in offering, f. o. b. New York City, INDIAN AZALEAS, double and single, leading market kinds. This is a specially low import offer both as to sizes and prices, and your early order is solicited.

Azaleas are growing in favor yearly, as the great demand this season proves. It is to your interest to order now and take advantage of the low prices we offer. These plants will be carefully packed and can be safely sent by freight. Order at once to secure these rates, and mention paper.

10 to 12 inch heads,	$4.50	per doz.;	$33.00	per 100	
12 to 14	"	"	6.00	"	43.00 "
14 to 16	"	"	7.00	"	53.00 "

6 sold at dozen rates; 25 at 100 rates.

PETER HENDERSON & CO. 35 CORTLANDT STREET, NEW YORK

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AZALEA INDICA

Just received a large shipment, and they turned out to be finer than ever before. The varieties are: Mme. Van der Cruyssen, B. A. Alba, Simon Mardner, Vervæneana, Empress of India, Emperor of Brazil, Prof. Walters, Niobe, Deutsche Perle, etc.

	Doz.	100	1000
8-10 inches diameter....	$3.50	$27.50	$250 00
9-11 " "	4.00	30.00	285.00
10-12 " "	4.50	35.00	325.00
12-14 " "	6.00	42.50	400.00
14-16 " "	7.00	55.00	525.00
16-18 " "	12.00	90.00	

Large plants, $1.25, $1.50, $2.00, $3 00 each.

Araucaria Excelsa 3-4 tiers, doz., $9; 100, $65. 4-5 tiers, doz., $9; 100, $90. These are extra fine plants, well-furnished.

Hydrangea Otaksa Strong plants. $15.00, $20.00, $25.00 per 100.

Kentia Belmoreana and Forsteriana $12 $15, $18, $24 per doz. Extra fine stock.

BOBBINK & ATKINS, Rutherford. N. J.

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FIVE REASONS Why You Should Place Your Orders for . . . **AZALEAS**

With Us At Once.

BECAUSE You can still take advantage of the mild weather, and have the plants come through safely by freight.

BECAUSE We are the largest buyers of Azaleas in the world, and make personal inspection of the stocks before they are shipped to us, and buy for spot cash, which enables us to secure lowest prices, and you the benefit in quality of the plants.

BECAUSE Our importations are all repacked at our own nursery. Plants that have suffered in transit, and which are not well set with buds being discarded, you receive nothing but first-class stock, which is certain to give satisfaction.

BECAUSE We can give you any special assortment of varieties that you may wish. This is a great advantage over the usual assorted case lots, sent over from Belgium, which invariably contain many varieties not at all suited to the American market.

BECAUSE We wish to convince you, as we have convinced many of the leading florists of the United States, that you can buy Azaleas from us to better advantage than if you make your own importations.



SPECIMEN AZALEA.

Mention this paper.

PRICES.

Include duty, packing and delivery in good condition to any Express, Freight or Steamship line in Philadelphia. Fine bushy crowns, well set with buds—

10 to 12 inches in diameter.....	per doz.,	$4.50;	per 100,	$35.00
12 to 14	"	"	"	6.00;	"	45.00
14 to 16	"	"	"	7.50;	"	55.00
16 to 18	"	"	"	12.00;	"	90.00
18 to 20	"	"	"	25.00;	"	200.00
20 to 24	"	"	"	36.00;	"	300.00

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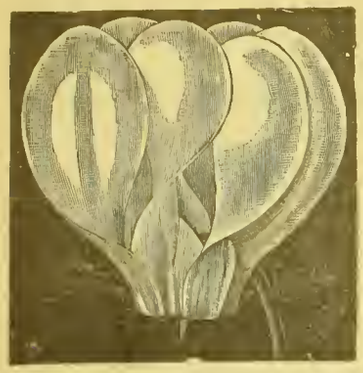

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"MAMMOTH GIANT" CYCLAMEN SEED

The Finest and Largest that the World Produces. Grown by a Reliable Specialist.

Seeds sown now will produce Fine Salable Plants for next Autumn and Winter.

	Per 100 seeds.	Per 1000 seeds.	Per 5000 seeds.
Giant White (pure)	$1.00	$7.50	$35.00
Giant Pink (rich)	1.00	7.50	35.00
Giant White (with red eye)	$1.00	$7.50	$35.00
Giant Rich Crimson	1.00	7.50	35.00

NOW IS A GOOD TIME TO SOW

VERBENA SEED

of Crop 1900. (Just in.)

Michell's Mammoth Strain

Cannot be Surpassed for Size of Flowers and Brilliancy of Colorings.

	Per ¼ Oz.	Per Oz.	Per 2 Oz.
Mammoth Scarlet	$0.50	$1.50	$2.75
Mammoth White	.50	1.50	2.75
Mammoth Pink	.50	1.50	2.75
Mammoth Choicest Mixed	.45	1.50	2.75

English Milltrack Mushroom Spawn

Michell's Superior Brand is acknowledged by the leading **Mushroom Growers** to be the most reliable and freshest stock sent out. It will pay you better to grow **MUSHROOMS** than a great many other plants which are grown by a number of florists. Good mushrooms always find a ready market at a profitable price, besides you will have a delicate dish when you want it **for your own table.** Fresh stock reaches us every 2 weeks.

PRICE, 25 pounds for $2.00; 100 pounds or $6.50; $60.00 per 1000 pounds. 250 pounds and over at 1000 pound rate.

We will send our Book "HOW TO GROW MUSHROOMS" Free to any of our Customers and Prospective Buyers.



OUR SPECIAL STOCK ENGLISH MUSHROOM SPAWN.

Send for Our Wholesale Catalogue of **SEEDS, BULBS** and Florists' Supplies. It will pay you to do so.

HENRY F. MICHELL, Henry F. Michell. Fred. J. Michell. 1018 Market St., Philadelphia

Awarded Silver Medal at National Export Exposition.

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Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent, also Second-hand Materials.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED.

YOUNG man, 22 years of age, would like position in greenhouses, nursery or store. 8 years' experience; single. E. Kayser, 71 Ann st., Kearney, N. J.

SITUATION wanted, foreman, roses, carnations, violets, chrysanthemums, etc., by December 5. P. Hansen, care of Robert Case, Box 468, Stamford, Conn.

SITUATION wanted by good all-round florist, 6 years' experience in roses, carnations, violets, ferns and general stock. A. O., care Florists' Exchange.

SITUATION wanted by florist, 30, single, commercial or private place; 15 years' experience in the U. S. and Germany. A. S., care Florists' Exchange.

YOUNG married man, age 28, would like a position as designer and decorator, life-long experience. Address A. Minder, 76 Chadwick ave., Newark, N. J.

FLORIST, first-class maker-up and decorator wants position in city florist's store or commercial place; best references. Pearson, 1892 Second Ave., New York.

WANTED—Position as salesman, salary or commission, for florists' supplies, plants, bulbs, etc.; 12 years' experience, city and outside trade. Address A. T., Florists' Exchange.

CHRISTIAN florist and first-class decorator wants position, 26 years old, with 11 years' experience and study, married. Letter, state wages, address to Abjurison, 231 East 85th st., N. Y. City.

SITUATION wanted—Gardener and florist, practical experience in growing carnations, violets, 'mums; specialist in roses; middle-age, single; state wages. A. Gergen, 115 E. 5th st., Nonpareil Hotel, Cincinnati, Ohio.

WANTED—A situation by a young man, age 23, 8 years' experience in carnations, asparagus, bedding plants and general stock; understands driving, A1 designer and decorator; not afraid of work; state salary. A. Z., care of Florists' Exchange.

Mention the Florists' Exchange when writing.

SITUATIONS WANTED.

SITUATION wanted by a good, all-around young man, sober and steady, German. Address Frank Grumbach, Woodhaven, Brooklyn, N. Y.

POSITION WANTED, TO TAKE charge, thoroughly experienced in England and States; would prefer where high grade roses and carnations are grown; age 31; single. A. V., care Florists' Exchange.

HELP WANTED.

WANTED, experienced and sober night fireman on steam boilers; steady and permanent place for good man. Z. V., care Florists' Exchange.

WANTED—Warehouseman for retail seed house, capable of filling orders, receiving and caring for stock, etc. Address A. R., Seeds, care Florists' Exchange.

WANTED—AT ONCE, AN ASSISTANT clerk and maker up; wages $12 per week; give references. John Reck, Bridgeport, Conn.

BUSINESS OPPORTUNITIES.

A GOOD CHANCE—I will let my greenhouses free of rent from now on if next July 15th, 1901, to the party purchasing my stock. For particulars, address owner. A. W., care Florists' Exchange.

GREENHOUSES and office to rent, one 125x20; one 25x20; 14 city lots, 25x100; two-story dwelling house for two families. Opposite main entrance to St. Michael's Cemetery. Established 1888. W. H. Scheurer, 532 Flushing Ave., Astoria, L. I.

FOR SALE—Owing to the death of the owner, small green house and stock, in a prosperous Southern City of 25,000; only business of the kind in City; no reasonable offer refused; correspondence invited. Fuster Carter, Shreveport, La.

BUSINESS OPPORTUNITIES.

RANGE of greenhouses containing 5,500 sq. ft. of glass all in good order; good retail trade, situated 3 miles from New York City; for sale at reasonable price; owner retiring from business. Address Z. N., care Florists' Exchange.

FOR SALE—On account of ill health, my range of greenhouses of 15,000 square feet glass, in good order and well stocked; largest retail trade in state; good barn; sheds and 7-room dwelling with same. Write for particulars, heated part steam and hot water. Address A. K., care Florists' Exchange.

FOR SALE cheap, 6 greenhouses in good order, 8000 sq. ft. glass, heated by hot water, stocked, mushroom cellar, water tank, hot air pump. Land 295x270 ft. (24 valuable building lots), 2 minutes from station, 20 miles from New York. The only florist near a cemetery; established 14 years. For particulars, address A. Y., care Florists' Exchange.

FOR SALE—THE McKELLAR FLORAL Establishment at Chillicothe, Ohio, consisting of 1.16 acres land, located inside the city limits, on which are located 13 greenhouses, all in first-class condition, and well stocked with roses, carnations, palms, and general line of potted plants of all kinds. Natural gas fuel, steam heating apparatus throughout; 4 acres additional adjoining property if more required; divided to suit. Business established over 40 years. This is the best floral establishment in southern Ohio. Population of Chillicothe is 15,000. For further particulars address Silas F. Garrett Executor, Chillicothe, Ohio, or Chas. W. McKellar, 47 Wabash Ave., Chicago.

MISCELLANEOUS.

NOTICE—If August Waldon, formerly of Raritan, N. J., will correspond with the undersigned, will hear something to his advantage. Geo. Reinberg, 301 Balmoral ave., Chicago, Ill.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.

Mention the Florists' Exchange when writing.

Brooklyn, N. Y.

Phillips and Weir were last week victimized by a party who proffered bogus checks purporting to be signed by a customer of each of the firms named, in payment of orders for cut flowers, amounting in Phillips' case to $19, and to $16 in the case of Weir. The forged checks represented an amount of $25, and the swindler got the change in both instances. He has been arrested.

The wholesale houses report fair business right along. When gluts appear the surplus is easily disposed of in large lots to the street men. A. H. Langjahr put a nice new wagon into service recently; he has been handling the cut of the Walter Molatsch chrysanthemum, grown by the originator, and reports good sales thereof.

Hicks & Crawbuck have also added a new wagon to their equipment, and report a steadily increasing business.

At the department store of A. I. Namm, the bulb and plant counters are in charge of Ambrose Cleary, who also is the buyer for this department.

Newport, R. I.

After what is considered a fair season's work, the New York City florists have closed up their stores here, our local dealers being well able to care for what trade there is. Chrysanthemums are in and are of better quality than usually seen at the opening of the season. The flowers were over a week later than ordinary in making their appearance.

Arrangements are being completed for the Horticultural Society's Fall Show, which is to be held in Masonic Hall, November 13-15. Judges have been selected from out of town, and the indications are that the dates fixed on will be about right.

Carnations on the benches are looking well, but owing to the dry Summer are dwarfer than usual.

V. A. Vanicek is doing a large trade in nursery stock, shipping most of it away from here. The stock this Fall, notwithstanding an unusually dry Summer, is in prime condition. The demand for climbers is good, and Mr. Vanicek is raising Rambler roses and Clematis paniculata in large quantities. MAC.

Novelties and Plants of Recent Introduction.

Begonias.

GLOIRE DE LORRAINE.

The Largest Stock in the Country. Grown in moderate temperature, well hardened off, perfect in health and shape, in splendid condition and covered with bloom.

SPECIMEN PLANTS READY THANKSGIVING AND CHRISTMAS.

8 inch pans, most perfect specimens, $3.50 to $5.00 each.
8 inch pans, fine shapely plants, $2.50 each.
6 inch pans or pots, finest specimens, $2.50 each.
6 inch pans or pots, fine shapely plants, $1.50 and $2.00 each.
5 inch pots, very fine plants, $1.00 and $1.50 each.
4 inch pots, perfect plants, 50c. and 75c. each.
3 inch pots, fine for growing on, 25c. each; $17.50 per 100.

LIGHT PINK LORRAINE, 3½ in. pots., 50c. each; $5.00 per doz.
NANA COMPACTA, 3 in. pots, 25c. each; $17.50 per 100.
BEGONIA CANDELABRA, 50c. each.
" **HEMSLEYANA,** 50c. each.

New Double Semperflorens.

Antoine Daume, Victor Prouve, Emile Galle, Emile Friant, Aime Morat, 25c. each; $2.50 per doz.

New Carnations.

OUR CANDIDATES BEST Two Carnations in Sight.

Roosevelt and Prosperity.

PRICES:

GOV. ROOSEVELT, $2.00 per doz.; $12.00 per 100; $100.00 per 1000.
PROSPERITY, $5.00 per doz.; $16.00 per 100; $130.00 per 1000.

New Cannas.

Cinnebar (Novelty), 35c. each; $3.00 per doz.; $25.00 per 100.
Miss Kate Grey, 25c. each; $2.50 per doz.
Black Beauty, true, $2.00 per doz.; $15.00 per 100.

New Orchid-Flowered, Ivy-Leaved **PELARGONIUM LEOPARD**

50c. each; $5.00 per doz.; $35.00 per 100.

Impatiens Platypetala Alba.

White-Flowered Impatiens, 25c. each; $2.50 per doz.

ACALYPHA GODSEFFIANA, variegated leaved, 20c. each: $2.00 per doz.

THE COTTAGE GARDENS, Queens, L. I., N. Y.

Mention the Florists' Exchange when writing.

Ottawa.

Business is fairly good. The past few days all was excitement over the home-coming of the soldiers from South Africa. The Ottawa Company arrived Saturday, and the arrival was an occasion of record-breaking crowds and decorations. The florists kept up their end. C. Scrim had in his window a large floral cannon and carriage; Wright had, as a window decoration, a tent, camp fire, and stack of arms; Graham Bros. also had a pretty window display.

R. Wright, of Aylmer, took advantage of the gala day to open up his new store, and he certainly got a grand send-off, for his bright, new shop, military window, and fine display of chrysanthemums made it a pleasant refuge from the over-crowded streets.

Crops generally are good, and ought to be with the present weather. Carnations are very good. Evelina has been giving a continuous yield, and the plants up to date are healthy. If it had not the habit of going back on us in Winter, it is certainly one of the most profitable varieties for early flowering. Ethel Crocker is giving some grand flowers, and Crane is away ahead of America, the latter being the only one affected with rust. Roses are all right. E.

200,000 Peach Trees

This stock is thrifty and healthy. All grown from Tennessee pits. No better Peach stock to be had.
Address
STEPHEN HOYT'S SONS, New Canaan, Conn.
Mention the Florists' Exchange when writing.

STOCK PLANTS

CHRYSANTHEMUMS

IVORY, PETER KAY, FITZWYGRAM, BONNAFFON, Etc.

$1.00 per doz.; $8.00 per 100.

WM. HOFFMAN, - Pawtucket, R. I.
Mention the Florists' Exchange when writing

ARAUCARIA EXCELSA

4 to 5 tiers, 24 in. high.....$1 50
5 to 7 " 24 to 30 in. high..... 2 00

DRACÆNA FRAGRANS.

18 in.....$1 00
22 to 24..... 1 50

A1 Stock. Measurements from top of Pot.
HESSION, Clarkson St., BROOKLYN, N.Y.

PALMS

Ferns, Asparagus, etc.

Write for Wholesale Price List.

EMERSON C. McFADDEN, Short Hills, N. J.
U. S. EXOTIC NURSERIES.

TO SELL OR EXCHANGE.

Boston Ferns AND Asparagus

Boston Ferns out of 2½ inch pots, nice, strong stock at $4.00 per 100.

ASPARAGUS PLUMOSUS NANUS and SPRENGERI, out of 3 in. pots, ready for shift, at $3.00 and $6.00 per 100.

GEO. JUST, Jacksonville, Fla.

ERICA MELANTHERA

Best variety for Florists' use, in bud now mostly.

5 in., $5.00 per dnz.; 6 in., $7.50 per doz.; 10 in., $25.00 per doz.

CASH WITH ORDER.

H. HUEBNER, - Groton, Mass.

PALMS AND BOSTONS

WALTER RETZER & CO.,

2045-59 CLARENDON AVE., (N. Halsted Street), Chicago, Ill.
Mention the Florists' Exchange when writing.

FIELD-GROWN **DRACÆNAS**

24 to 28 inches high, fine strong plants, $1.25 per doz.; $10.00 per 100.

175 SMILAX Extra fine, 2½ inch, at 2 cts.

S. S. PECKHAM, New Bedford, Mass.
Mention the Florists' Exchange when writing.

PRIVET

	100	1000
12 to 18 inch.....	$1.50	$13 00
18 to 24 inch.....	2 00	17 50
2 to 2½ feet	2.50	20.00

5 feet high, $7.50 per 100.

Trees, Shrubs, Plants, Vines,
Contracts made for Privet cuttings.
CASH WITH ORDER.

Atlantic Coast Nursery, Office, 606 4th Ave., ASBURY PARK, N. J.
JAMES H. CORNELL, Proprietor
Mention the Florists' Exchange when writing.

LETTUCE PLANTS!

Fine stocky plants. Grand Rapids, Boston Market, Jennie Ball and others, 15 cts. per 100; $1.00 per 1000.

PARSLEY, large, field-grown plants. 75 cts. per 100; $5.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.
Mention the Florists' Exchange when writing.

SURPLUS FOR FALL, 1900

Keiffer Pear.
Norway Maples—9 to 10 ft.
Norway Maples—5 to 6 ft.
Lombardy Poplars—9 to 12 ft.
Carolina Poplars—6 to 18 ft.
Am. Arbor Vitæ, bushy—6 to 7 ft.
Am. Arbor Vitæ, bushy—3 to 5 ft.
Apples—2 and 3 years.
Norway Spruce—7 to 9 ft., fine.
Norway Spruce—5 to 6 ft., fine,
California Privet—Good, 1 year, 2 ft.
Osage Orange—1 and 2 years, fine.
White Pine—4 to 5 ft.
White Pine—3 ft., sheared.

JOSIAH A. ROBERTS, - Malvern, Pa.
Mention the Florists' Exchange when writing.

Wild Smilax Is Now Arriving. Write for Prices

Galax Leaves Brilliant Bronze or Green, $1.50 per 1000.

FANCY FERN, DAGGER FERN, Etc., at Market Prices.

Telephone, 798 Madison Sq. HARRY A. BUNYARD, 38 W. 28th St., New York.
Mention the Florists' Exchange when writing.

Special Cash Bargains in Azalea Indica

Fresh arrival per Steamer from Belgium, in fine condition in following trade sorts:

DEUTSCHE PERLE, VERVÆNEANA,
SIMON MARDNER,
BERNHARD'S ANDREA ALBA SUPERBA,
MME. E. VAN DER CRUYSSEN SUPERBA,
EMPRESS OF INDIA.

Prices per 100. 25 at the rate per 100. Only a limited quantity to offer.

10 inch heads, $29.00; 10-12 inch, $32.00; 12 inch, 36.00.

C. H. JOOSTEN, Importer, 85 Dey St., New York.
Mention the Florists' Exchange when writing.

Wide-Awake Florists Are Ordering Their Christmas Plants while the Warm Weather Lasts,

Thereby taking advantage of low freight rates and the following very reasonable quotations for well-grown, strong, healthy Palms, Ferns and Decorative Plants.



NEPHROLEPIS WITTBOLDII.

Strong plants from bench, ready for 3 inch pots, $1.00 each; $10.00 per Doz.; $75.00 per 100.

Kentias.

Varieties.	Size Pot.	Height Ins.	No. Leaves.	Each.	Per Doz.	Per 100
Belmoreana, 2½		6 to 9	3 to 4	$	$ 1.50	$12.00
Belmoreana, 3		10 to 12	4 to 5		2.00	15.00
Belmoreana, 3½		12 to 14	5 to 6	.25	3.00	20.00
Belmoreana, 4		14 to 16	5 to 7	.40	4.00	30.00
Belmoreana, 5		16 to 20	5 to 6	.75	7.20	60.00
" strong, 5		18 to 24	5 to 7	1.00	12.00	90.00
Belmoreana, 6		20 to 22	6 to 7	1.25	15.00	125.00
" strong, 6		26 to 28	6 to 7	1.50	16.00	150.00
Belmoreana, 7		36 to 40	6 to 7	2.25	27.00	200.00
Belmoreana, 8		42 to 48	6	3.25	39.00	300.00
Forsteriana, 2½		8 to 9	3 to 4		1.50	12.00
Forsteriana, 3		10 to 12	4 to 5		2.00	15.00
Forsteriana, 3½		12 to 14	5 to 6	.25	3.00	20.00
Forsteriana, 4		14 to 16	5 to 7	.40	4.00	30.00
Forsteriana, 5		20 to 24	5 to 6	.75	7.20	60.00
" strong, 5		22 to 26	5 to 6	1.00	12.00	90.00
Forsteriana, 6		26 to 30	5 to 6	1.25	15.00	125.00
" strong, 6		30 to 34	6 to 7	1.50	18.00	180.00
Forsteriana, 8		44 to 50	6	3.25	39.00	300.00

Latanias.

Variety.	Size Pot.	Height, Ins.	Plants in pot.	Per Doz.	Per 100
Borbonica,	2¼		3	.60	5.00
Borbonica,	3	12	5 to 6	1.00	8.00
Borbonica,	3½	12 to 15	6 to 8	1.50	12.00
Borbonica,	4	15 to 18	6 to 7	2.50	20.00
Borbonica,	5	18 to 22	6 to 7	4.50	35.00
Borbonica,	6	20 to 24	6 to 8	6.00	50.00
Borbonica,	6	24 to 30	6 to 8	9.00	

Variety.	Size Pot.	Height, Ins.	Plants in pot.	Per Doz.	Per 100
Areca Lutescens,	2¼	5 to 6	3	$1.00	$8.00
Areca Lutescens,	3½	12 to 14	3 Ea.	2.00	15.00
Areca Lutescens,	4	15 to 18	3 $0.25	3.00	25.00

Asparagus.

Varieties.	Size pot.	Per Doz.	Per 100
Asparagus Plumosus Nanus	3 in.	$1.00	$8.00
Asparagus Plumosus Nanus	4 in.	1.50	12.00
Asparagus Sprengeri	2 in.	.50	4.00
Asparagus Sprengeri	4 in.	1.50	12.00
Asparagus Sprengeri	6 in.	5.00	
Asparagus Sprengeri	8 in.	10.00	
Asparagus Tenuissimus	3 in.	1.00	8.00

The several sizes of Asparagus Sprengeri are especially strong and large value.

Ferns.

Varieties.	Size pot.	Per Doz.	Per 100
Pteris Serrulata	2 in.	$0.50	$4.00
Pteris Umbrosa	2 in.	.50	4.00
Cyrtomium Falcatum	2 in.		4.00
Cyrtomium Falcatum	3 in.	1.00	8.00
Cyrtomium Falcatum	4 in.	1.50	10.00
Nephrolepis Exaltata	5 in.	2.00	15.00
Nephrolepis Bostoniensis	2 in.		4.00
Nephrolepis Bostoniensis	4 in.	2.00	
Nephrolepis Bostoniensis	5 in.	3.00	
Nephrolepis Bostoniensis	6 in.	5.00	
Nephrolepis Cordata Compacta, fine plants	6 in.	4.00	30.00
Nephrolepis Cordata Compacta, fine plants	5 in.	2.00	15.00
Pteris Cretica albo-lineata	2 in.		4.00

Miscellaneous.

	Each
Araucaria Excelsa, 3 inch, nice plants	$0.50
Araucaria Excelsa, 4 inch, nice plants	.75
Araucaria Excelsa, 6 inch, nice plants	1.00
Corypha Gebanga, 3 in., 5 to 6 leaves, $3 per doz.	
Curculig Recurvata, 4 inch	$2.00 per doz.
Curculigo Recurvata, 5 inch	$4.00 per doz.
Cyperus Alternifolus, 4 in	$1.00 per doz.
Cyperus Alternifolus, 5 in	$1.50 per doz.
Dracæna Terminalis, 3 in	$2.00 per doz.
Dracæna Terminalis, 4 in	$4.00 per doz.
Dracæna Terminalis, 5 in	$6.00 per doz.
English Ivy, strong, 4 in	$2.00 per doz.
English Ivy, strong, 5 in	$3.00 per doz.

	Pot	Height Leaves	Each	Doz.	100
Aspidistra Lurida,	6	16-20 8-12	60c.	$6.00	
Cocos Weddeliana	3		25c.	2.00	15.00
Ficus Elastica	6	22-23 12-14	75c.	7.20	$60.00
Ficus Elastica	7	24-28 14-16		10.00	75.00
Ficus Elastica	8	28-34 16-18		12.00	100.00
Maranta Kerchoviana	3½			2.00	
Pandanus Utilis	2½	6- 8 10-12		1.00	8.00
Pandanus Utilis	3	8-10 12-15		2.00	15.00
Pandanus Veitchii	8		$3.00	36.00	
Pandanus Veitchii, extra fine	6			18.00	
Phœnix Reclinata	3	4- 6		1.50	10.00
Phœnix Canariensis	3	4- 6		1.50	10.00
Phœnix Reclinata	10	40-46 6- 8	3.50		Doz.
Sanseviera Java. Var., 2 in., strong plants					$0.60
Sanseviera Java. Var., 3 in., strong plants					1.20
Sanseviera Java. Var., 4 in., strong plants					2.00
Zingiber Officinale (Ginger Plant), 4 in					2.00
Zingiber " " " 5 in					3.00

THE GEO. WITTBOLD CO., Palms and Ferns, 1657 Buckingham Place, Chicago, Ill.

Mention this paper.

HEADQUARTERS FOR PLANTS NOW and for THE HOLIDAYS

IMPORTED DIRECT FROM THE GROWERS IN GHENT, BELGIUM AND OTHER PLACES.

Having been to Belgium again myself, I am well posted on their system. As the growers there are all syndicated, I can assure you no one can obtain cheaper rates than I.

ARAUCARIAS

We are headquarters for Araucarias. I have a large house full of them, purchased by my own selection on my trip to Belgium last September, and can offer you special prices No seedlings. Raised from top cuttings only.
5 in. pots, 3 tiers, 10 to 13 in. high, 50cts. each
5½ in. pots, 3 to 4 tiers, 12 inches and above, 6 cts. each.
5½ and 6 in. pots, 3 to 4 tiers, strong plants, 12 in. and above, 75cts. each.
16 inches high and above, $1.00 each.
Specimen 6 in. pots, 4 to 5 tiers, 22 to 24 in. high, $1.25 each.
Araucaria Glauca, 6 in. pots, very fine, 18 to 25 in. across, $1.25 each.

AZALEAS Indica, large stock, my own selection while in Ghent, 10 to 12 inches, 35cts each.
Larger sizes, 40cts. and 50cts. each.
Specimen plants Mme. Van der Cruyssen, $1.75 and $2.00 each.
Leading American varieties, such as Mme. Van der Cruyssen, Bernhard's Andrea Alba, Deutsche Perle, Empress of India, Prof. Walter, Simon Mardner, Vervæneana and others.

CORYPHA AUSTRALIS Hardiest palm of all. Have 6 of them in 5 in. pots, 12 to 18 in high, 45cts. each

Kentia Belmoreana, 5 in. pots, 16 in. high bushy 65 cts. each.
Kentia Forsteriana, 5 in. pots, 36 in. high, 75 cts. each.
Latania Borbonica, 6 in. pots, very fine at the rate of $6.00 per doz.
Dracæna Bruantii, 6½ in. pots, 24 in. high, most favored house dracæna, 50 cts. each.
Dracæna Indivisa, specimen plants imported, 6 in. pots, 30 to 36 in. high, 40 cts. each.

FICUS ELASTICA (Rubber plants).
Have 1500, imported last Spring:
5½ in. pots, 12 in. high, 10 to 12 leaves, $3.60 per doz. 5½ to 6 in. pots, $4.00 per doz.
Specimen plants, 6 in. pots, $5.00 per doz.
Small plants, 4 in. pots, 20cts. to 35 cts. each

BEGONIAS SEMPERFLORENS GIGANTEUM.
Best blooming Winter Begonia, 6 in. pots, 25cts. to 35cts. each.
President Caruot, 5 in. pots, 25cts. each.
Other Winter-blooming Begonias, leading varieties 4 in. pots, 7 cts. each
Chrysanthemums, without pots. L Canning, white, 6 in. pots, 5 to 8 branches disbudded, $1.50 per doz.
Other good varieties, bushy plants, 5 to 6 in. pots, $1.20 per doz; 4 in. pots, 75 cts. per doz.
(If pots are wanted add 2 cts. each.)
Chinese Primroses, bushy plants, 4 in. pots, that will bloom at Xmas, at the rate of $6.00 per 100.
Cyperus (Umbrella Plants), 4 in pots $15.00 per 100.
Large Honeysuckles, grown in 6 in. pots, 20 cts. each.
Hardy Ivies, strong plants, 3 in. pots, 7 cts. each.
500 Wallflowers, 2 in. pots, strong, $1.50 per 100.
Geraniums, 2½ in. pots leading varieties $2.50 per 100.
Callas, 6 in. pots, strong plants, 20 cts each
Solanum (Jerusalem Cherries), full of berries, 7 in. pots, large plants, 25 cts. each; with or without pots.

Cash with order, please. Money can be sent safely by Express or Post Office money order, registered letter, draft on Philadelphia banks, etc. Goods must travel at purchaser's risk.
Please state whether to be shipped with or without pots.

GODFREY ASCHMANN, 1012 ONTARIO STREET, RISING SUN, Philadelphia, Pa.

IMPORTER AND GROWER OF POT PLANTS.

Mention the Florists' Exchange when writing.

ACALYPHA SANDERI 2½ inch, $3.00 per 100

BOSTON FERN 2½ inch, $3.00 per 100.

VIOLETS. A few clumps of Princess of Wales left, $5.00 per 100.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

FERNS For dishes, etc., in 8 of the leading varieties, from 2½ in., $3.00 per 100.

ASPARAGUS Plumosus Nanus, 3 inch, $5.00 per 100; strong, 3½ in., $8 per 100.

FORGET-ME-NOT True Winter-flowering, 3 inch, $3.00 per 100; 4 inch, 75 cts. per dozen.

PELARGONIUMS In six of best bloomers, mixed, from 3 in., $3 a 100.

JOHN G. EISELE, 20th and Ontario Sts., PHILA., PA.

Mention the Florists' Exchange when writing

The Boston Fern
A SPECIALTY.

Very fine plants at from $5.00 per 100 to $1.50 each. None better. True stock.

ASPARAGUS — PALMS — FICUS

L. H. FOSTER, 45 KING STREET, Dorchester, Mass.

Mention the Florists' Exchange when writing.

40,000
Kentias, Belmoreana and Forsteriana

Clean well grown stock in best market sizes—$35, $50, $75 and $100 per 100. See our wholesale list for sizes.

AZALEAS, Bushy Crowns well set with Buds.

10 to 12 inches in diameter.....$35 per 100 14 to 16 inches in diameter.....$50 per 100
12 to 14 inches in diameter..... 45 per 100 16 to 18 inches in diameter..... 12 per doz

ASPARAGUS PLUMOSUS NANUS.

Strong 2½ in. pots ready for shifting into 3 in...$5 per 100 Strong 3 in. pots....$8 per 100
Asparagus Sprengerii—2½ in..$5 per 100 *Asparagus Sprengerii*—3 in..$7 per 100

BOSTON FERNS.

Strong 2½ in. pot plants.....$10 per 1000 Strong 4 in. pot plants... .....$15 per 100
Strong 5 in. pot plants.....$4 per dozen

ROSES.

Strong two-year field grown. Excellent stock for forcing for Easter and Spring sales.
Crimson Ramblers—Extra strong, with canes 3 to 5 feet long.....$12 per 100
$100 per 1000.
Hybrid Perpetual—Large assortment of best forcing varieties.....$10 per 100
$90 per 1000.

Full assortment of French and Holland bulbs, Hardy Herbaceous Plants, Shrubs and Ornamental Trees.

THE STORRS & HARRISON CO., Painesville, Ohio.

Mention the Florists' Exchange when writing.

A Few Good Things You Want

KENTIA BELMOREANA and **FORSTERIANA**, 2½ in., 10c.; 3 in., 18c.; 4 in., 35c.; 5 in., 50c. each.
ARECA LUTESCENS, 3 in., 3 plants to pot, 18c.; 4 in., 25c. each. All cool grown, nice clean stock, and cannot be duplicated anywhere for the money.
BOSTON FERN, 3 in., $8.00; 4 in., $15.00; 5 in., $30.00 per 100.
SWORD FERN, Nephrolepis Cordata Compacta, 2½ in., $3.00 per 100.
SMILAX, 2 in., $2.00 per 100.
ROSE BRIDESMAID, 3 in., $5.00 per 100.
REX BEGONIA, finest varieties, 2½ in., $4.00; 3 in., $6.00 per 100.
GERANIUMS, double and single, Grant, Mme. Bruant, Mrs. E. G. Hill, Poitevine, Bonnat and S. A. Nutt, 3 in., $5.00 per 100.
CAMPBELL VIOLET and **VINCA VAR.**, 2½ in., $3.00 per 100.
PRIMULA CHINENSIS, 2 inch, $3.00; 3 inch, $4.00 per 100.
CYCLAMEN GIGANTEUM, 2½ inch, $4.00; 3 inch, $8.00 per 100.
ASPARAGUS Sprengeri and **Plumosus**, 2 in., $5.00; 3 in., $8.00 per 100 Cash with order.

Will exchange any of above for good field-grown plants of Flora Hill Carnation.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

EXPRESS PAID. Cyclamens and Primroses for Christmas blooming. Cyclamen Giganteum and Per. sicum 4 inch, $8.00 per 100. Chinese Primroses, 3 inch $4.00 per 100; 4 inch, $6 00 per 100. Pansy Seed, prize mixture of Bugnot Cassier and Odier, $2 50 per ounce.

SAMUEL WHITTON, 15-17 Gray Ave., Utica, N. Y.

Mention the Florists' Exchange when writing.

BIG BOSTON FERNS

Pot-grown, ready for 8, 9, 10 in., 20 to 30 fronds, 2 to 3 feet long. There is money in them for you, just what you want for Fall trade. First size, $1.00; 2d size, $75 cts. each. Get them while they are going. Cash, please.

A. J. BALDWIN, Newark, Ohio.

Mention the Florists' Exchange when writing.

FERNS. FERNS.

This year our ferns are in fine shape. A good variety and fine bushy stock. 2½ in. pots, $3.00 per 100; $28 00 per 1000.
Asparagus Plumosus Nanus, 2½ in. pots, strong, $6.00 per 1 0.
Asparagus Sprengeri, 2½ in. pots, strong, $4.00 per 100.

HENRY WESTON & BRO., Hempstead, N.Y.

Mention the Florists' Exchange when writing.

AZALEAS - -
PALMS - - -
NEW PLANTS
BAY TREES -
SANDER BRUGES, BELGIUM

The largest and finest stock on the Continent.

A. DIMMOCK, our representative, is now in the U. S. and will be pleased to reply to any communications addressed to **60 Vesey Street, New York.** Lists on application.

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Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.

1730 CAMBRIDGE ST.

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ASPARAGUS

SPRENGERI and PLUMOSUS NANUS.

Extra strong stock, from 2½ inch pots, $5.00 per 100; $40.00 per 1000. (Ready for 3 inch.)

JACKSON & PERKINS CO. NEWARK, NEW YORK

Mention the Florists' Exchange when writing.

ORCHIDS

A splendid stock of established and unestablished Orchids always on hand. A number of varieties now in sheath and spike. Also Peat, Moss and Orchid baskets.

CORRESPONDENCE SOLICITED.

LAGER & HURRELL, Summit, N. J.

Mention the Florists' Exchange when writing.

FERNS

Fine bu by plants of **Cyrtomium Falcatum, Onychium Japonicum, Pteris cretica albo-lineata, Pteris Adiantoides** and **Atrgyræa**, from 3 in pots, first-class stock, assorted at $3 00 per 100; **P. Adiantoides** alone, $2.50 per 100 Seedling Ferns, strong plants by mail, prepaid, $1.00 per 100; by express, 75 cts; $6 50 per 1000
Ardisia Crenulata, prime stock, 2½ in. ready for shift, 5 cts **Otahelte Oranges**, 4 and 5 in., bushy, 20 cts Cash please. L. D. Telephone, 152-3.

R. G. HANFORD, Norwalk, Conn.

Mention the Florists' Exchange when writing.

THESE plants have a long thrifty growth and are ready for a shift or immediate sale. They have been grown cool and can be safely shipped to any part of the country.

Boston Fern. From 2½ inch pots, $3.00 per 100; $25.00 per 1000. From 4 inch pots, $1.00 per doz., $8.00 per 100.

Asparagus Sprengeri. From 2½ inch pots, $2.50 per 100; $20.00 per 100. From 4 in. pots, $1.00 per doz., $8.00 per 100.

Asparagus P. Nanus. From 2½ inch pots, $1.00 per 100; $35.00 per 1000. From 4 in. pots, $1.00 per doz., $8.00 per 100

New Hibiscus, Peachblow. From 2½ in. pots, $4 a 100.

Boston Ivy. (A. Veitchii.) Pot grown, $3.00 per 100; $25 00 per 1000.

200,000 Roses. From 2½ inch pots. $2 50 per 100; $20.00 per 1000.
Golden Gate, Crimson Rambler, La France. Striped La France, White La rance, Moschla, Kaiserin, Bride, Maid, Etoile de Lyon, Meteor, White Maman Cochet, Marechal Niel, Pink Maman Cochet, C. Soupert, Pink Soupert, The Queen, Muriel Graham, Burbank, Marie Van Houtte, Gen. Lee, Malmaison, Mrs. Degraw, P. Pere, Abel Chatenay, Caroline Marniesse, Yellow Rambler, Empress of China.

Cash With Order, Please.

THE JOHN A. DOYLE CO.

SPRINGFIELD, OHIO.

Mention the Florists' Exchange when writing.

CRYPTOMERIA JAPONICA (JAPAN CEDAR) Takes the place of Araucaria Excelsa; sells everywhere and everybody is pleased with it; it is a money-maker. Strong stock, from 2 in pots, $10 per 100; or send $1.00 for a sample of 20, and you will soon want more.

E. I. RAWLINGS, Quakertown, Pa.

Mention the Florists' Exchange when writing.

	Per 100
Ferns, in variety, 2½ in. pots	$3.00
Cryptomeria Japonica (Japan Cedar), 2½ in pots	5.00
Cyperus Alterulfolius (Umbrella Plant), 2 in. pots	2 00
" " 3 in. "	3 00
" " 4 in. "	5.00
Grevillea Robusta (Silk Oak), 4 in pots	7. 0

LOW EXPRESS RATES.

J. S. BLOOM, Riegelsville, Pa.

Mention the Florists' Exchange when writing

AT A BARGAIN.

500 Brideamaid Roses, 3-in., goods tock, a $4.00 per 100; the 500 for $18.00 cash.
Palms, Kentia Belmoreana, 2-in., per 100 $7.00; 3-in., per 100, $20.00.
Latania Borbonica, 3-in., per 100, $15.00.
Dracæna Sanderiana, 2-in., per doz., $1.50.
Selaginella Emmeliana, 2-in., per 100, $3.00.
Asparagus Sprengeri, fine, 2-in., per 100, $4.00.
Grevillea Robusta, 3-in., per 100, $5.00.
Rex Begonias, 3 in., in 10 good varieties, per 100, $7.00.

SMILAX.

Good Stock, from Pots, at $1 25 per 100; $10 per 1000. *Satisfaction Guaranteed. Cash with Order.*

GEO. L. MILLER, Newark, Ohio.

Mention the Florists' Exchange when writing.

A SNAP TO THE RIGHT MAN

One-Half or the Entire Stock of

Palms, Ferns and Decorative Plants

20,000 **Latania Borbonica**, in 3, 4, 5, 6, 7 and 8 in. pots, in good shape; good stock of other sorts. Will be sold at a big sacrifice. I cannot care for them. Write or call soon. It will pay if you mean business. Good discount on smaller lots.

W. J. HESSER, Proprietor Palm Gardens **Plattsmouth, Neb.**

Mention the Florists' Exchange when writing.

CHOICE FERNS IN FLATS.

100,000 at One Cent.

JOHN H. LEY, Good Hope, Washington, D. C.

Can supply very good, hardy plants, which, potted now, will fill a 2½ in. pot in a few weeks, best market sorts. Have sent by mail and express to every State and Canada, and have given universal satisfaction.

Sample 100 mailed, $1.25
1000, In 10 Sorts, by Express, $10.00.

Pteris Cretica Alba, P. Adiantoides, P. Longifolia, P. Hastata, P. Sulcata, P. Tremula, Adiantum Grandiceps, Nephrodium Cristatum, Lygodium Lomaria Gibba, Selaginellae, &c., &c,

POST ORDERS, GOOD HOPE, D. C.

Mention the Florists' Exchange when writing.

Adiantum Farleyense

Nicely Furnished Specimens.

5 inch pots.....$12.00 per doz.
4 " " ..... 6.00 "
3 " " ..... 3.00 "
2½ " " ..... 15.00 per 100.

PANDANUS VEITCHII

7 inch pots, beautifully shaped, variegated, $2.00 each.

PANDANUS VEITCHII

4 inch pots, $50.00 per 100.
Large specimens, $3.00 to $5.00 each.

QUALITY THE BEST.

J. A. PETERSON,

405 Race Street, CINCINNATI, OHIO.

Mention the Florists' Exchange when writing.

FINE PALMS.

Kentia Belmoreana and **Forsteriana**—
4 in. pots, $35.00 per 100; 5 in. pots, $50 to $75 per 100; 6 in. pots, $1.00 to $1.25 each, 7 in. pots, $1.75 to $2.00 each; larger plants, from $2.50 upwards.
Phœnix Reclinata, 4 in. pots, $20 per 100; 5 in. pots, $40 per 100; 6 in. pots, 35c. each; 7 in. pots, $1.25 each; specimen plants, $2.00 upwards.
Areca Lutescens, 3 in., $15 per 100; 4 in., $25 per 100.
Latania Borbonica, 4 in., $20 per 100.

JOHN BADER, Troy Hill, Allegheny, Pa.

L. D. TELEPHONE 872A.

Mention the Florists' Exchange when writing.

FERNS OUR SPECIALTY.

A grand stock of **MAIDEN HAIR FERNS**, in 4 inch, ready for 5 inch pots, per 100, $15.00; per 1000, $140 00.
Full-grown plants, in 2½ inch pots, ready for a shift, per 100, $4.00; per 1000, $35.00.
Fine lot of **ASSORTED FERNS**, for **Jardinieres.** All the best varieties, in 2½ inch pots, per 100, $4 00; per 1000 $35.00.

An Excellent Stock of

ADIANTUM FARLEYENSE.

Over 10,000 now ready for the market.
6 inch pots .....each, $1.50; per 1000, $140.00.
5 inch pots ..... " 1 00; " " 95.00.
4 inch pots ..... .60; " " 55.00.
Money returned if not satisfactory. Cash or C. O. D.

ANDERSON & CHRISTENSEN, Short Hills, N. J.

Mention the Florists' Exchange when writing

50,000 BOSTON FERNS

I Make a Specialty of

N. EXALTATA BOSTONIENSIS

Small plants, $4.00 per 100 or $30 00 per 1000; fine plants $6.00 to $20.00 per 100; taken from the bench.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 5 in. pots, $6.00 per doz; 6 in. pots, from $1.00 to $1 50 each; 7 in. pots, $1 50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsterianas, 3½ to 4 in pots $2.00 and $4 00 per doz.
Asparagus Plumosus, 3½ in. pots, $3.00 per 100.
Araucaria Excelsa, 20 to 24 in. high, 5 to 6 tiers, 6 in. pots, $1.50 each; larger size, $2 50 each
Rubber Plants, 20 to 32 in. high, $5.00 to $9 00 per doz.
Chinese Primroses, 3½ inch pots, $6.00 per 100; 6 in. pots, bud or bloom, $2 00 per 100.
Cyclamen, 3½ to 6 in. pots, $2.00 to $6.00 per doz

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. **Connected with Telephone.**

Mention the Florists' Exchange when writing.

Jardiniere Ferns

ELEGANT STOCK.

$3.00 per 100; $25.00 per 1000.

Roses for the South. Varieties most adapted for southern planting. Just the thing you want. Stock A No. 1. Write for Price List.

J. B. HEISS, The Exotic Nurseries, **Dayton, Ohio.**

Mention the Florists' Exchange when writing.

Adiantum Cuneatum

2½ in. pots, $4 per 100; 3½ in. pots, $6 per 100 3½ in. pots, large plants, $10 per 100; selected plants, 3½ in. pots, $12 per 100.

Asparagus Sprengeri

2½ in. pots, $4 per 100; $30 per 1000.
3 in. pots, $5 per 100.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing

ARECA LUTESCENS

3 plants, 6 inch pot, 24 to 28 inches.....$12 00 per doz.; $100.00 per 100.
3 plants, 8 inch pot, 36 inches.....$3.00 each; $36.00 per dozen.

COCOS WEDDELIANA.

1 plant, 2½ in. pot, 3 to 10 in. high.....$15.00 per 100.
1 plant, 3 in. pot, 10 to 12 in high..... 20 0 per 100.
1 plant, 4 in. pot, 18 in. high..... .50 each.
3 plants, 5 in. pot, 18 in high..... 1.00 each.

KENTIA BELMOREANA.

	Per doz.	Per 100
4 in. pot, 5 to 6 leaves, 15 in. high	$1 50	$5 00
6 in. pot, 6 leaves, 24 in. high	15 00	125 00
8 in pot, 6 to 7 leaves, 30 to 32 in. high	each, $3 00	

KENTIA FORSTERIANA.

	Per doz.	Per 100
4 in. pot, 4 to 5 leaves, 15 in. high	$4 50	$35 00
	Each	Doz
8 in. pot, 6 leaves, 36 to 40 in. high	$3 00	$36 00
8 in. pot, 6 leaves, 48 to 50 in high	4 00	48 00
6 in. pot 5 leaves 24 to 28 in. high	1 00	12 00
6 in. pot, 5 to 6 leaves, 30 in high	1 25	15 00

All in perfect form and entirely free from insects or blemishes of any kind
All measurement from top of pot.

JOSEPH HEACOCK, - Wyncote, Pa.

Mention the Florists' Exchange when writing.

CHEAP—TO CLOSE OUT.



BOSTON FERN.

BOSTON FERNS The true variety, from 2½ inch pots, $3.00 per 100; $25 per 1000.
Don't be afraid our stock of Boston Ferns will run out. We have sold 75,000 the past six weeks, but still have 125,0 fine plants on hand. Better buy now, as the price is sure to advance

Asparagus Sprengeri, from 2½ inch pots, at $2.50 per 100; $20.00 per 1000.
Acalypha Sanderi, from 2½ inch pots, fine plants, $3.00 per 100; $25 00 per 1000.
" " from 3 inch pots, strong plants, $5 00 per 100.
Crotons, twelve best bedding varieties, from 2½ inch pots, elegant plants, at $3.00 per 100; $25 00 per 1000. These will be fine to shift on for next year's bedding.
Ponderosa Lemon, largest lemon grown; bears fruit weighing two pounds or over, and fruits when quite small It is bound to become a popular plant. Fine plants, from 2½ inch pots, $1.00 per doz; $5 00 per 100. Extra strong plants ready to bloom at once, $1.50 per doz.
Calla Lilies, 1¼ to 1½ inch diameter, 75c. per doz.; $5.00 per 100.
" " 1½ to 1¾ inch diameter, $1 25 per doz., $7.00 per 100.
The Two New Russelins, Lemoinei Multiflora and Lemoinei Elegantissima 50c. per doz; $3.00 per 100.
Bougainvillea Sanderiana, from 2½ inch pots, $6.00 per 100.
Marechal Niel Roses, 15 inches and over in height, healthy plants, $4.00 per 100; $35 00 per 1000
Roses, all the leading varieties of Teas, from 4 inch pots, fine plants in perfect health, $3.0 per 100.
Roses, all the leading varieties of Hybrid Teas, from 4 inch pots, elegant stock, $10 00 per 100.
Send your list of roses for quotation. We have two million plants in stock Our Fall Trade List of all kinds of ROSES, PLANTS and BULBS, now ready. Write for it.

Weeping Lantanas, 2½ inch pots, $2.00 per 100; $18.00 per 1000.
Otaheite Orange, from 2½ inch pots, $3.00 per 100; $25.00 per 1000. from 3 inch pots, $1.50 per 100; $10.0 per 1000.
Ficus Elastica, perfect specimen of this fine Rubber plant, 15 to 18 in. high, $3 25 per doz.; $.5 per 100.
Araucaria Excelsa, Norfolk Island Pine, fine plants with four tiers of leaves, $1 each; $10 per doz

THE GOOD & REESE CO., The Largest Rose Growers in the World. **Springfield, Ohio.**

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

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Copy must reach this office not later than Thursday in order to secure insertion in issue of the following Saturday.

Orders from unknown parties must be accompanied by cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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At several social functions occurring in New York, election night, the table decorations were composed wholly of Roosevelt carnations.

The articles of incorporation of the El Paso County Horticultural Society were filed with the county clerk of Colorado Springs, Col., October 25. The directors are named as Harry C. Harris, E. W. Giddings, Jr., D. A. Russell, William Clark, Edgar King, H. I. Bennett and Charles Craig.

The exhibits to be made by school children at the forthcoming show of the New Jersey Floricultural Society, at Orange, N. J., Wednesday, November 14, are creating a great deal of interest locally. Secretary George Smith has already received 900 entries. Displays will also be made by the members of the Society.

The florists of Hartford, Conn., and vicinity are considering the advisability of inaugurating a florists' club. This is a step in the right direction; and we hope the promoters of the movement will meet with such a measure of encouragement as will ensure the formation of such an institution. Every city and town should have its florists' club.

GALVESTON RELIEF FUND.

"Open Thine Hand wide unto thy Brother, and to thy needy, in thy Land."

The publishers of the FLORISTS' EXCHANGE have, for the convenience of our readers, decided to receive subscriptions at this office for the Galveston relief fund, which will be at once acknowledged in these columns, and the amount contributed forwarded to the proper authorities as the donations of our trade on behalf of their suffering brethren in the storm-swept sections. Checks and money orders for the Galveston relief fund should be made out in favor of the A. T. De La Mare Printing and Publishing Co., Ltd., crossed "In aid of Galveston sufferers."

Publishers Florists' Exchange:

At the last meeting of the Galveston Florists an offer of stock was received from William E. Hall, of Clyde, O. W. J. Ellsworth, of Jessamine, Fla., also renewed his offer of stock. Some more pansy and onion seed came through from Mr. Beaulieu. We received to-day, November 1, from St. Louis a remittance of $92, from the florists there. There now remains to the credit of the fund $263.-90, which will be left there for final distribution. We have spared no pains to get every florist on the loss schedule, which may be considered practically complete. THE GALVESTON FLORISTS,

Per F. G. LAEVERENZ, Secretary.

Contributions Received.

Peter Henderson & Co., New York City,	$100.00
C. W. Ward, Queens, N. Y.	50.00
Pittsburg and Allegheny Florists and Gardeners' Club, Pittsburg	50.00
Morris County Gardeners and Florists' Society, Madison N. J.	50.00
The Florists' Exchange	25.00
Charles Black, Hightstown, N. J.	25.00
John Peed & Son, West Norwood, London, S.E. (£5)	24.30
Chas. T. Siebert, Pittsburg, Pa.	10 00
A. Begerow, Newark, N. J.	5.00
John G. Esler, Saddle River, N. J.	5 00
C. Eisele, Philadelphia, Pa.	5 00
G. M. & F. W. Wessels, Aiken, S. C.	5 00
Thomas Barson, Johnstown, N. Y.	3.00
A. J. Pennock, Lansdowne, Pa.	2.00
John Birnie, West Hoboken, N. J.	2 00
Beaulieu, Woodhaven, N. Y.	2.00
F. I. Drake, Pittsfield, Mass.	2.00
H. B., Hot Springs, Va	1.00

The American Rose Society

NEW VARIETIES REGISTERED.

Rose (H. P.) President McKinley.—Saved from a promiscuous lot of seedlings, raised from seed saved from our collection of roses. It is a strong growing variety having large, attractive, fine foliage. It makes strong shoots which are quite spiny, and it is entirely hardy. Its color is deep rose-pink and is quite persistent. Entered by John Charlton & Sons, Rochester, N. Y.

LEONARD BARRON, Secretary.

Horticultural Society of New York.

A regular meeting of the Society will be held in connection with the American Institute Chrysanthemum Show, on November 14, 1900, at the American Institute Rooms, Berkeley Lyceum Building, New York City, at 4 o'clock p. m. The temporary council will also meet on that date and at the same place, 15 minutes earlier.

The society offers silver vases, value $25 and $20, for the best and second 50 blooms of chrysanthemums, respectively, also a silver vase, value $15, for best six varieties, six blooms of each, in connection with the above exhibition.

A carnation seedling with a double calyx was recently found by Mr. Ward, of the Cottage Gardens, Queens.

Owing to pressure on our columns through flower show reports, this week, some interesting articles are held over to a future issue, including Mr. S. S. Pennock's paper, read before the Philadelphia Florists' Club, and the paper of Mr. W. S. Heffron, read before the Chicago Florists' Club, and others.

The Flower Show Catalogue.

The value of an artistically gotten-up catalogue as an important and necessary adjunct to our flower shows, is not appreciated by exhibition promoters and managers to its fullest extent. In the great majority of cases, the catalogue, or program, is constructed simply to serve a temporary purpose, very much as does the theater or concert program, and its get up is of the most flimsy and uninviting character, quite in consonance with the conception of its supposed transient usefulness. This is all wrong. Properly manipulated, the flower show program can not only be made permanent, attractive, useful and interesting, but also a source of revenue to the exhibition funds, the latter characteristic depending wholly on the former.

There are, of course, some who have grasped the correct mission of the flower show catalogue, and the evidences are not wanting that their forethought has proved remunerative. We have before us one of the neatest pamphlets in this line that has come to our desk this year. It is the program for the fifth annual exhibition of the Bedford Flower Club, to be held in Mount Kisco, N. Y., November 8 and 9, next. This program is well-printed and bound in Italian grey, Boscowen linen, a material that stands plenty of service. A useful article is furnished on the "Care of Plants in the Home," and throughout the well-filled pages of advertisements is interspersed the list of premiums to be awarded, together with numerous illustrations.

A catalogue of this kind, being of handy size, is sure to be retained by every one receiving a copy, instead of meeting the fate of its fleeting purpose confrère, and its profitableness to the society issuing it is apparent. The success which has attended this pamphlet has no doubt been attained after much hard work, but then the reward has been ample.

In connection with this matter, we have often wondered why space has never been provided in flower show programs for the insertion of the names of the winners in the various classes, both with respect to varieties and exhibitors. This is information which many visitors to exhibitions faithfully record on the spot; and to utilize the schedule for such a purpose would add materially to its permanent value, besides furthering, to a marked degree, the interests of the exhibitors themselves.

Field Notes on Sweet Peas.

We acknowledge receipt of a very interesting pamphlet on the subject of sweet peas, from C. C. Morse & Co., Santa Clara, Cal. The firm has the following to say on the subject of classification:

"The most natural classification of the sweet pea is that according to color, and most of the seed catalogues recognize such an arrangement as will put pink shades in one class, for instance, and mauve and blue shades in another and so on, with some disagreement usually as to the class claiming the lighter and more delicate shades.

"Another classification almost as important as color is that of form, by which we mean the size and shape of the standard. There is usually a corresponding variation affecting the wings when the size of the standard is noted, but we confine ourselves to the standard when we mention form.

"For purposes of a satisfactory classification it is necessary to sub-classify form into hooded and open, and to divide each into three sizes—large, medium and small. We can better understand this arrangement by illustrations, and we have chosen the following well-known varieties to represent the several subclasses.

"Hooded Form.—Large, Aurora; medium, Countess of Radnor; small, Blushing Beauty.

"Open Form.—Large, Triumph; medium, Blanche Ferry; small, Crown Princess of Prussia.

"Even the open form varies in distinct shapes and a special shape occurring in a large number of varieties is represented in a standard narrow at the base and indented on the top as illustrated by: Large, Emily Henderson; medium, America; small, Vesuvius.

"These varieties, it must be understood, still come under the class of open form. The preference of either form is largely a matter of personal choice, some preferring the open form and some the hooded. A great majority, however, seem to prefer the large and medium hooded form, especially of those varieties which do not curl at the edges a great deal, or rather those which are most shell shaped."

A classification of varieties by color is also furnished, as well as a complete descriptive list, and some notes on the Cupid and Bush sweet peas, together with a full explanation of the color scheme adopted in the descriptions.

Storage of Carnation Blooms.

The following additional light on this subject is submitted for the information of Mr. Rudd, and others interested:

Albert M. Herr, of Lancaster, Pa., says: "It is impossible to name a uniform temperature for nights and the successful growing of carnations with regard to the older sorts. Carnations of the Daybreak type, or blood, will do far better in a temperature of 45 degrees than in one higher. Carnations of the McGowan type will do best in a temperature of 50 or 55 degrees at nights. A little observation will soon disclose the right temperature for the novelties, as they are offered. I have found that, in growing an assortment of carnations, they can be divided into about three classes: those requiring 40 to 45 degrees nights; those requiring 50, and then another class that will do best at anything from 55 to 60 degrees. Ethel Crocker I find gives the best results in a night temperature of about 50 degrees and needs to be cut before the flowers are fully opened; in this way they will keep as long as two weeks, if kept out of ice-boxes. We cut our flowers in the morning, put them into water not too cold and in a partially lighted cellar, with a temperature ranging from 40 to 50 degrees. About 3.30 o'clock they are packed up and shipped, reaching their destination the next morning; and unless the packages happen to get a little too near the steam pipe in the express car, the flowers arrive in strictly first-class shape.

"All of our carnations are, as far as practicable, cut before they are fully developed. This, of course, to some extent interferes with their size; but if they are held out of the ice-boxes they are sure to keep, will develop for the purchaser, and give satisfaction instead of disappointment.

"Packing has a whole lot to do with the condition of cut carnation flowers on arrival, and it is a wonder that many of the carnations shipped reach their destination fit for selling at any price. A little care used, to prevent the flowers bearing on each other, and so that they cannot possibly jostle in the handling of the box, is time well employed. Expressmen are often rushed with work on the arrival of a train, and if the train happens to be a bit late, are not going to handle your box of cut flowers, with its red label, as carefully as it should be handled; so it is best for the shipper to prepare against such contingencies, and pack so that the contents of his boxes can stand a little roughness without injury to the flowers."

John N. May, of Summit, N. J., says: "My experience teaches me that the finest flowers are produced in a night temperature averaging between 52 and 54 degrees, in conjunction with an abundance of pure air on all favorable days. For the store room we prefer an average of 50 degrees, or as near that as we can keep it, with a dry, healthy atmosphere, and find the flowers are much more satisfactory to our customers if kept at least 12 hours in clean water before shipping. Then, if carefully packed, they will travel any reasonable distance, in good condition."

PAMPHLETS RECEIVED

LOPHOTOCARPUS OF THE UNITED STATES and Sagittaria Eatonii, by J. G. Smith. Advance sheet from the Eleventh Annual Report of the Missouri Botanical Gardens, Illustrated.

ANNUAL REPORT of the Park Department of the City of Cincinnati, 1899, by B. P. Critchell, Superintendent of Parks.

New York.

The Market.

We have had very favorable weather this week, and, since election, business seems to have taken a turn for the better. There are no shortages in the flower line, excepting in the higher grades of roses, and these may be said to be not quite equal to the demand, more especially in the white kinds. Of the poorer quality of roses, although the supply has shortened up considerably, there is still enough to go round. Prices may be said to remain practically as they were one week ago, with the possible exception of those on special Bride, which have, in some instances, reached $6 per hundred.

Chrysanthemums are plentiful, and there is a majority of very fine blooms in the market. While fancy prices are rarely recorded, a large portion of the stock brings from $2 to $3 a dozen.

Lily of the valley is not quite so plentiful; yet there are several grades of it on sale, and values may be said to range anywhere from $2 to $4 a 100.

Carnations were thrown upon the market in huge quantities last Saturday. It was quite evident that holding back had been practiced, growers, no doubt, anticipating an extra demand, owing to the big parade. If the flowers had been sent in on Friday good sales might have resulted; as it was, the blooms were too late, as Saturday proved to be a very quiet day, so far as the flower business was concerned. This week carnations are plentiful enough, and move fairly well, though prices do not advance materially.

Cattleyas are about holding their own, little, if any, change being noted since last week. Cypripediums are in the market, and are quoted at 12c. straight.

Violets are doing fairly well; the supply is not so large as might be expected, seeing that the output capacity was almost doubled in some localities; and, while fancy prices are seldom reached, the average will turn out better, probably, than it has before since the season opened.

Jottings.

In the sound money parade last Saturday many paper carnations were used as bouttonieres. It is said that one firm in Brooklyn alone supplied 5,000 of these. The absurd prices quoted by the daily papers for carnations were, no doubt, the cause of paper flowers being used to such an extent.

The New York Florists' Sound Money Club made one of the most striking features in the parade. The club mustered 135 strong. Each man carried a four-foot dahlia stake, with a large yellow chrysanthemum tied on top, and each wore a pink or a red carnation. The Club's splendid showing has been very favorably commented upon by the leading daily papers of the city.

The regular meeting of the Florists' Club takes place on Monday evening, the 12th inst. Nomination of officers will take place, and a good social time is promised. The Bowling Club will meet at 3 p. m. on that day, on the alleys at the Arlington, St. Mark's Place.

A chrysanthemum show is advertised to open on the 15th inst. in the Eden Musee under the charge of John Condon of Brooklyn.

Firms Who Are Building.

CAZENOVIA, N. Y.—F. G. Lee is making extensive additions to his greenhouse, including the building of a new vegetable house, equipping the whole with a system of hot water heating.

BLOOMINGTON, Ill.—Leo. Wellenreiter has purchased a new boiler, and intends making an addition to his greenhouse.

SALEM, S. D.—G. Koethe is adding to his greenhouse establishment.

LEOMINSTER, Mass.—Joseph Fuller recently erected a house, 150 x 40 feet, to be devoted to carnations.

YORK CORNER, Me.—W. G. Moulton & Son are making a large addition to their greenhouse.

LYNN, Mass.—Smith & Dolarsky have been obliged to add another greenhouse.

BROCKVILLE, Ont.—R. B. Heather has erected two greenhouses, each 25 x 100 feet. Next season he proposes making further improvements.

STILLWATER, Me.—W. J. Clement will put an addition to his greenhouse, and install a new boiler.

Florists Read Show Reports.

Our Next Issue, November 17,

Will contain very complete accounts of the large and small chrysanthemum shows throughout the country.

The readers of these reports

Will See Your Advertisement

if inserted in the same number.

Circulation 10,000 Copies.

Send your order by return mail.

THE FLORISTS' EXCHANGE, P. O. Box 1697, **New York.**

CHANGES IN BUSINESS.

MENOMINEE, MICH.—The greenhouse and stock of Louis Zechetto have been purchased by F. C. Nowack, who may continue the business.

ATTLEBORO, MASS.—King, the florist, has opened a store at No. 3 Park Street.

JERSEY CITY, N. J.—The New Jersey Large Tree Co. has been incorporated to conduct a gardening business. Capital $50,000. O. P. Vreeland, of Jersey City; J. G. Hocke, of Bayonne; J. C. Purdy, of Brooklyn; Wallis, Edwards & Bumstead, attorneys, Jersey City, are the incorporators.

LYNN, MASS.—E. A. Richards has removed his business to larger quarters, located at the corner of Summer and Ashland Streets. He is making a specialty of carnations for the retail trade.

OBITUARY.

Lucius D. Davis.

Lucius D. Davis, one of the prominent citizens of Newport, R. I., died October 30, from inflammatory disease of the brain and spinal cord. He was born at Jerusalem, Yates County, N. Y., in 1825. The deceased was deeply interested in agriculture, horticulture and arboriculture, and his writings on tree growing, plant culture and insect life were widely read. He was the author of several books, among them "Ornamental Shrubs," which was published last year. Mr. Davis was also an active worker in the Newport Horticultural Society. A widow and two daughters survive him.

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(225) **Fumigating Carnation Houses with Sulphur.**—K. Bros.—Fumigation with sulphur will kill both the red spider and the plants, and must not be resorted to. Clear water applied with strong force, through the hose pipe, will keep down red spider.

(226) **Rust on Carnations.**—A. F. D.—Pick off all the affected leaves, and give the benches a thorough cleaning; then dust the plants with finely sifted air-slacked lime. Let this stay on about a week, then clear it off with a fine spray, and repeat the operation.

(227) **Rust on Outdoor Chrysanthemums.**—J. L. O'Quinn Co.—The leaves are affected with the chrysanthemum rust. There is no remedy for this trouble, except to pull out every diseased plant and burn it. To burn up every particle of the plants is absolutely necessary, if it is intended to grow chrysanthemums on the same spot another year with success. If this be not done, there will be spores enough left around to again insure the plants being attacked.

(228) **Fire Insurance on Greenhouse Property.**—What is the average premium per annum paid for fire insurance on greenhouse property? Will companies give policies to cover both the buildings and plants? THEO. ECKARDT.

—Greenhouses are rated at from $1.25 to $2.50 per annum per $100 of valuation. Contents are prohibited by a large majority of companies, and when taken are rated at nearly double the rate charged upon houses. Nearly every department of underwriters fixes a different rate, but $1.25 is the minimum and $2.50 is the maximum. Had the Florists' Mutual Fire Insurance Association been properly supported by the trade the indications were that greenhouse insurance would not have cost more than $1 per annum on the highest classification, with less cost to the better class of risks. Plant insurance was prohibited. If insurance companies do not classify greenhouse risks the rates will eventually become prohibitory, and co-operative insurance will be the only remedy.

The co-operative purchase department of S. A. F. might make a study of this subject with a view to action when the underwriters' rates become so exorbitant as to become prohibitory.

JOHN G. ESLER.

(229). **Crawfish Cutting Dam of Lily Pond.**—I have recently completed a pond of about 14,000 square feet for water lilies, using an old dam that has served for ice pond. A small branch supplies this pond, and crawfish seem to defy its filling in a most stealthy manner. No traces of the leads can be found on inner side of dam, nor on the outer, in less than 20 feet from the base, where trees, roots, etc., prevent following up the escaping streams by digging on through dam. Long trenches have been dug lengthwise, on top of dam, where the fish were supposed to interrupt the tunnels, and subsequently puddled; but all to no purpose. Is there a crawfish trap in existence, or a means of poisoning or driving away the pests?

Under best conditions, what per cent. of increase are goldfish supposed to make in a year, in ponds?—J. L. C.

—In reply to J. L. C.'s inquiry respecting the incursion of crawfish in his lily pond, the only known remedy is to poison them. Use scrap meat chopped moderately fine, and sprinkled with Paris Green. Lay the scraps near the edge of the water, or in the places where the fish frequent.

Goldfish increase at a very rapid rate under fair conditions, in ponds; but their enemies are so numerous that if the fish are left to take care of themselves not 10 per cent. will develop, or attain maturity.—W. T.

(230) **To Grow American Beauty Roses.**—I should be much obliged if you could give me a few cultural instructions on the growing of American Beauty roses, as I am not succeeding well with this variety. I am using raised benches, and light soil, with proper proportions of rotted manure and bone meal. The plants are grafted on manetti. I do not seem to get any root action; the shoots are thin and watery, and the plants are much troubled by spot and leaf drop. I keep them thoroughly moist, but never very wet. The house was planted on August 16. Should they not be ready for Christmas?—W. T. T., Brampton, Ont., Can.

—The fact that inquirer is keeping his roses thoroughly moist all the time is the cause of the shoots being watery and of the trouble with black spot. Being planted on the date mentioned, a crop should have been in for Christmas; but as the plants are at this time, it is much to be doubted whether or no a crop can be had at that period. The grower, however, will soon be able to determine what chance there is of a Christmas crop, as the buds that form from the 20th to the 25th of this month can be had in all right for that holiday, provided the plants are treated right. There can be no hard and fast lines set down for the culture of American Beauty roses, whether grafted or otherwise. The operator must study the needs of the plants, and observe the nature of the soil as to its character for retaining moisture, etc. Give the plants water only when the moisture in the soil has become exhausted. This is one of the chief factors in rose growing, and can be learned only by close observation. By waiting until the foliage begins to wilt before watering one will not succeed any better than by keeping the soil soaked all the time; therefore, watch the plants closely, and give water when it is needed. Keep the night temperature at 60 degrees; give air gradually in the morning, as the temperature begins to rise. Do not wait until the thermometer registers 75 or 80 degrees, and then open the house up to the full extent; put on the air gradually, and reduce it in the afternoon in a similar manner. Syringe the plants freely on bright, sunny mornings; never do the syringing late in the day, as the foliage will then not have a chance to dry out before nightfall.

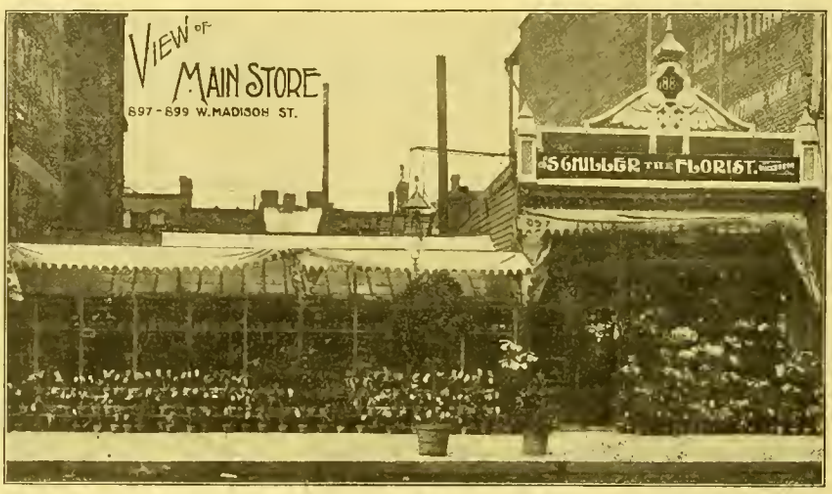
BRIEFS FOR BUSY FLORISTS.

CRIMSON RAMBLER and other roses that are to be forced for next Spring, and which are yet in the field, should be lifted and potted up during the next few days. Use a well-enriched soil in which to pot them; provide good drainage in the bottom of the pots, and pot firmly, after which a good watering should be given. It is not necessary to do any pruning at this time, except to cut out any weak canes that have been made. After the plants are potted they may be stood outdoors until severe weather comes, when they should be removed to a light shed; or a deep cold frame will answer just as well. As Easter falls on April 7 next year, the roses needed for that date should be put into the greenhouse the first week in January.

AS THE EARLIER CHRYSANTHEMUMS are cut and got out of the way the benches should be cleared and made ready for a successive crop. Plants for stock should first be chosen and boxed; the others pulled out and thrown away. Fork over the soil on the bench, and let it dry out before they are potted, then there will be no danger of their not starting evenly when put into their growing quarters. A place under a bench in a cool house is as good as any for them, for some time yet.

NARCISSUS FOR CHRISTMAS FLOWERING should be brought into the greenhouse and given full light. Put them in a moderately cool house where they can come along gradually, and they make better plants than if forced into flower more hurriedly. Roman hyacinths need not be brought in for a week or ten days yet.

SPIRÆA CLUMPS are arriving now, and it is far better to pot them up immediately than to let them lie in the cases and dry out too much. Immerse the roots in a pail of water for a few seconds before potting.



View of Retail Store of H. Schiller, Chicago.

Schiller, the Florist, Chicago.

The city store and greenhouses owned by Schiller, the florist, on West Madison Street, Chicago, have, the past Summer, been reconstructed in a very clever way, to make the most of the land, 42 x 150 feet. The store and show house, as seen in the engraving, occupy the entire front. In the remodeling, however, the conservatory front is some eight feet higher than the picture shows, with broad plate glass. The dwelling house is back of the store. There is a greenhouse in the rear of the conservatory, 125 feet in length. The house, stables and greenhouses cover every available foot of the land, save one walk, absolutely necessary, to the rear.

Mr. Schiller has a branch store on Jackson Boulevard, and rents another lot of ground, where he stores upward of 100,000 tulips alone, besides other bulbs for forcing. These he arranges to have come in from November until Summer. All this immense stock is necessary mostly for use in his own retail stores. Of general cut flower stock Mr. Schiller is a heavy buyer in the wholesale market. Formerly he was a big and successful grower himself. His right-hand man, whom he values highly, is George Asmus, one of our team bowlers, and formerly of Buffalo.

Steam is used for heating the dwelling, greenhouses, and store, two of Wilks' upright boilers being employed. These have been refitted with coil piping of Schiller's own design. He says everything works like a charm with the least possible attention.

The supports for the benches in the show house are constructed of iron pipe, the benches being a granolithic composition of Schiller's own invention; all like a solid block of stone, and self-supporting, excepting at the edges, thus giving full space underneath to bring forward bulbs, etc. The floors, also, are made of the same material, everything being solid and substantial. Over the center walk in the greenhouse is a bench suspended from end to end, planted with Asparagus Sprengeri—a place where this plant grows freely. To still further husband room, brackets support nice, young otaheite oranges ready for the holidays.

Mr. Schiller has a good stock of palms and other ornamental plants for use in decorating; in fact, an up-to-date retail place.

Herman Schiller was born in Pomerania, Prussia, November 2, 1851, coming to this country in 1881. About this time Mr. Kuske, of Stielow & Kuske, the Bowmanville florists, accidentally shot himself when out hunting. By order of the Probate Court Stielow's half interest in the concern was sold. Herman Schiller, a nephew of Mr. Kuske, purchased same by cablegram. Mr. Schiller proved a good grower, and in those palmy days for the florist, made money easily. Through an affliction of that dread disease, locomotor ataxia, Mr. Schiller has been handicapped for 16 years, yet showing indomitable courage and perseverance almost inconceivable. Fancy a man with paralyzed limbs, driving in all weathers, every day, save Sundays, to Bowmanville and back—a distance of 38 miles. Yet he did this for four years. On account of his affliction Mr. Schiller finally decided to devote his attention to the retail business, as being less trying, and to that end bought out Thomas J. Corbrey's store at 897 West Madison Street, his present place, about eight years ago. Had it not been for the rascality of Otto Mailander, his one-time partner, Schiller's lines would have fallen in pleasanter places; but he has struggled on with his load. He sold out his Bowmanville greenhouses to J. Brod, a few years ago, and now has but the retail interest to look after. Mr. Schiller has six children, the oldest 21, the youngest 12 years of age; and all but the latter now helping in his stores. Ess.

Boston Fern as a Pot Plant.

Read before the Chicago Florists' Club Nov. 1, 1900, by J. S. Wilson.

My method of culture is as follows: First: I plant up a house of young plants from three to four-inch pots, about December 1, using rather stiff loam, one-fourth rotten cow manure, with sprinklings of bone meal. As the plants begin to grow, I tie the fronds of each plant loosely to a light cane stake, so as to keep the leaves off the soil and to let light and air reach the soil between the rows, which makes the young plants, that begin to appear about February, dwarf and stocky, such as this sample runners have here. Such runners, when potted into 2½-inch pots, never wilt or lose a leaf, effecting a saving of six to eight weeks' time over long-drawn-up runners, which, when potted, lose their leaves or must be cut, leaving eight to twelve inches of the fronds.

As the benched stock, or mother plants, as they may be termed, get larger, thin these out by cutting out the largest old fronds, leaving only sufficient fronds to

sustain the action in the growth of the runners. After each batch of runners is taken off, retie the old plants, and give them a top dressing of fine, sifted soil, with a good sprinkling of fine bone meal mixed in. Then the bench is in good shape for another crop.

When the runners have made two or three leaves and are about six to ten inches high, they are pulled up with a nice bunch of roots and potted into 2½-inch pots. In three weeks' time they are rooted through, and ready for a shift into 3-inch, and then into 4-inch pots, and so continue, never permitting the growth to become checked. In potting, use the same kind of soil.

METHOD OF POTTING.

When the plants reach a 4-inch pot, and are ready for a shift into 5 or 6-inch, there are a number of air roots extending over the side of the pot. I am always careful of these roots, and in shifting to a larger pot, twine them around the ball about ½-inch under the soil, around the rim. They soon take root and send up young growth, which makes the plant full and bushy, such as the 10-inch size I show here.

You will note the bushy, compact growth of this plant, and I am often asked how they are kept to this shape. In the first place, my benched stock plants are never shaded. The runners, after potting, I shade a little, and after a few days give them the full sun. This, I believe, accounts for the sturdy, compact growth so much desired by buyers of this popular fern.

I am aware that a great many writers and florists advocate and grow these ferns by planting them out in benches, keeping the plants there until the required size is attained, then lifting and potting them. I do not approve of the plan, and claim a first-class plant cannot be produced by this method, because you only have the old mother plant to lift. The cutting away of all the runners leaves nothing but the old plant, which soon becomes hard stemmed and leggy, with no foliage around the top of the pot; unsatisfactory to handle and unsatisfactory to the buyer.

The pot I use is the azalea or half pot, in size from 6 to 12 inches. The plants grow better, throwing out runners and forming young plants much sooner than when planted in the old deep pot. Besides, they look much better, and are not so clumsy to handle, while the retail store men like them much better for counter trade.

I have seen the statement that the country is being overstocked with the Boston fern; the same cry has been often applied to Beauty roses, carnations and cannas. The fact remains, that the demand for this fern was never so strong as to-day, while well-grown, shapely plants, of the best selling sizes, are continually scarce, and often out of stock for weeks at a time.

Import and Export Statistics.

The dutiable imports of plants, shrubs and vines amounted to $318,118 in September, 1900, against $276,852, in the same month of last year. The free imports of seeds amounted to $82,824, against $34,862, the value of the imports of September, 1899. The dutiable imports of seeds amounted to $12,530, against $31,954 in September of the previous year.

The exports of seeds to other countries amounted to $652,086, against $423,822 in the same month of 1899. The countries to which the United states exported seeds were: The United Kingdom, which received shipments to the value of $119,447 in September, 1900, against $154,779, in the same month of 1899. Shipments to France amounted to $47,161, against $13,574 in the same month last year. Germany imported seeds from the United States in September, 1900, to the value of $92,945, against $57,496, in September, 1899; $313,636, in September, 1900, against $73,307 in the corresponding month of 1899. A decrease is noted in the exports of seed this September, to British North America, being $75,286, as against $120,929, in September of last year.

September Photographic Contest.

We present herewith illustration of the Music Pavilion in Forest Park, St. Louis, reproduced from a prize photograph sent by Rudolph Windt, in the FLORISTS' EXCHANGE Photographic Contest for September. Mr. Windt informs us the exposure given was 1-5 second; stop 32. The picture was taken at 1.30 p. m., in sunshine, the camera facing east.



BOSTON FLOWER SHOW.

The annual chrysanthemum exhibition of the Massachusetts Horticultural Society opened on Tuesday, November 6, at noon, with both halls well filled. It is the opinion of many that had the show been a week later, a finer exhibition would have resulted. Still it would indeed be hard to improve on the magnificent display presented.

The plants exhibited by John Barr, gardener to Mrs. B. P. Cheney, were undoubtedly the finest chrysanthemum plants ever shown in the hall. Never before was a collection so uniformly fine, or so well timed for exhibition.

Five of the Society's large china vases were filled with magnificent blooms by Col. Charles Pfaff, Mrs. A. W. Spencer Miss E. J. Clark, estate of John Simpkins, James Comley, N. F. Comley, W. J. Clemson and Mrs. E. M. Gill. The four first named received the four awards on Wednesday, but in order to assure the maintenance of a high standard in these vases, the committee makes the four awards each day, and at the close of the show, the exhibitor having the largest number of firsts will be given a silver medal, while the one having the second highest award will receive a bronze medal.

Quite a little competition occurred in the classes under the Josiah Bradlee Fund, for 25 blooms of 25 distinct varieties, and for six vases of six named varieties, 10 blooms in each. In the class for 25 blooms Mrs. B. P. Cheney captured first prize, and Miss E. J. Clark, Col. Charles Pfaff, and James W. White, second, third and fourth prizes, respectively. In the class for six vases of 10 blooms each, some fine flowers were staged. Mrs. A. W. Spencer captured first with Pennsylvania, Mrs. George West, John Shrimpton, Inter-Ocean, Eureka and Viviand-Morel. Mrs. Cheney was second with Mrs. Jerome Jones, John Shrimpton, Lady Hanham, Peter Kay, Inter-Ocean, and Mutual Friend. Norris F. Comley received third award with Vivi-and-Morel, John Shrimpton, Charles Davis, Golden Wedding, Major Bonnaffon, and Mrs. Philips.

Under the Henry A. Gane Memorial Fund, the prizes for 12 blooms of any seedlings originated by the late Henry A. Gane, Mr. Charles D. Sias was first with Mrs. Jerome Jones, and Mrs. A. W. Spencer, second, with the same variety.

For the Society's prizes the greatest competition resulted in the classes for vases of 10 blooms, on long stems, of listed colors, as follows: Pink, red, white, yellow, and "any other color." For 10 pink Robert Laurie won first with Vivi-and-Morel; Mrs. B. P. Cheney, second, with the same variety, and Mrs. A. W. Spencer, third, with Mrs. F. Perrin. For 10 red, Mrs. A. W. Spencer took second, with John Shrimpton, and Charles D. Sias, third, with the same variety. In the class for 10 white, Mrs. A. W. Spencer was first, with Eureka; Robert Laurie, second, with Mme. Carnot, and Miss E. J. Clark, third, with Mrs. J. W. Lewis. Mrs. Spencer won first for 10 yellow, with Modesto; Robert Laurie, second, with Peter Kay, and Col. Chas. Pfaff, third, with the same sort. For 10 "any other color," Miss E. J. Clark captured first with Kate Broomhead; Mrs. B. P. Cheney, second, with the same variety; and Mrs. A. W. Spencer, third, with Chas. Davis.

Among the many other classes the same exhibitors generally divided the prizes.

In the seedling class John N. May, Summit, N. J., was first, for the best seedling red, not yet disseminated, with Brutus, and for the best seedling, any other color, with Yauariva.

Mrs. John Shepard, Swampscott, showed a seedling, white; and P. A. B. Widener, of Ogoutz, Pa., a good yellow named D. Josephine, a very good sized flower of good color.



Music Pavilion in Forest Park, St. Louis.

From Prize Photograph by Rudolph Windt in Photographic Contest for September, 1900.

In the upper hall in the competition in plants, Mrs. B. P. Cheney had everything her own way with the plants before mentioned. Among the kinds capturing first prize for 12 named plants, distinct varieties were Louis Boehmer, Peter Kay, Lady Isabel, Mutual Friend, The Bard, Kate Broomhead, Red Warrior, Mrs. F. A. Constable, Mrs. E. B. Freeman, Mrs. J. G. Breer, and Silver Cloud. In all Mrs. Cheney staged 27 plants, which nearly filled one-half of the hall, so large were they. A lion's share of the prizes for single specimen and three specimen plants was also captured by this grand collection. In the class for three Japanese incurved, the winning varieties were Louis Boehmer, Mrs. H. Weeks and Miss Georgiana Pitcher, and for three reflexed Mrs. J Lewis, Marion Henderson and Mrs. J. G. Breer.

For a single specimen, incurved, Mrs. Cheney won first with Golden Trophy, and third with Mongolian Prince, for a single specimen, reflexed. She also was first with Lady Hanham, and third with Arethusa.

E. S. Converse also had a nice collection of plants arranged on the opposite side of the hall, including many fine varieties.

In the classes for plants grown to one stem and bloom, some fine exhibits were made by Dr. C. G. Weld, E. S. Converse, N. Dumaresq and James Nicol, who divided the prizes.

Mrs. J. L. Gardner showed a group of chrysanthemums arranged for effect, with palms and decorative plants; and W. W. Edgar made a small display of ferns, crotons, and other decorative plants, also showing a few cut blooms of a sport from Ivory chrysanthemum, the flower being not quite so compact in form. The new rose, Queen of Edgely, was well staged. Robert Montgomery exhibited his new rose, Mrs. Oliver Ames, a sport from Mrs. Pierpont Morgan, which showed up in fine form.

R. & J. Farquhar staged their new begonia, Caledonia, "the White Gloire de Lorraine," with a few Lorraines, receiving a first-class certificate of merit.

A. Roper, of Tewksbury, exhibited a lot of very promising seedling carnations, and M. A. Patten had a fine lot of the newer varieties of carnations, including Ethel Crocker, J. Whitcomb Riley, Genevieve Lord, Peru, Mrs. Thomas W. Lawson, Morning Glory, Olympia, White Cloud, The Marquis, G. H. Crane, Mrs. G. M. Bradt, and Flora Hill. Dailledouze Bros. exhibited their Prosperity.

J. W. Howard, of Somerville, staged two vases of roses of excellent quality, one of Mrs. Pierpont Morgan, and the other of Bride, Bridesmaid and Golden Gate.

Lager & Hurrell, Summit, N. J., made a nice display of orchids, comprising cattleyas, dendrobiums, etc., and a handsome Oncidium varicosum Rogersii, which, placed on the wall, showed the heavy sprays of flowers to excellent advantage.

F. J. N.

MADISON (N. J.) SHOW.

The fifth annual exhibition of the Morris County Gardeners and Florists' Society opened under most promising auspices in the Assembly Rooms, Madison, on Wednesday, November 7. The cut chrysanthemum classes showed a marked advance upon previous years, and the groups were up to the usual standard. Roses, however, showed a great falling off. The growers say the weather conditions have prevailed against them, but we would like to ask some Madisonians if they are not living upon past traditions. Certainly they have done very little on this occasion to justify Madison as the "Rose City," when eight classes, with substantial prizes offered, only show 25 exhibits in all.

The chrysanthemum men have had their troubles, too, this season, but they made a brave showing. The H. McK. Twombly prize for six varieties, six of each, was won by W. Duckham, gardener to Mr. D. Willis James, of Madison, with a wonderful exhibit. He showed Nellie Pockett, a graceful cream white, T. Carrington, magenta rose, Mrs. H. Weeks, Mons. Chenon de Leche, May flower, and Jennie Falconer. Peter Duff, gardener to Mr. J. Crosby Brown, Orange, N. J., was second, his exhibit having a good vase of Col. Appleton.

The D. Willis James prize, for three sixes, was won by Peter Duff, with Weeks, Morel and Trenor L. Park. A. Herrington was a very close second. The Fair Oaks prize for 12 in three varieties, went to A. Herrington, who showed Merza in superb form, Col. Appleton, H. Hurrell and Morel. G. Bird, Morristown, was first for six yellow, with Pennsylvania; H. L. Hand, gardener to G. Kissel, second, with Bonnaffon. For six pink, H. Hentz, Jr., of Madison, won with Helen Bloodgood, and G. Bird and H. L. Hand, were equal seconds, with Morel and Iora. F. Burnett, of Madison, was first for six white, with Robinson, and J. Anderson, gardener to Mr. P. Farelly, Morristown, second, with fine Frank Hardy. The special prize for 12 blooms of Col. Appleton was won by W. Duckham, with a magnificent dozen.

For a group of chrysanthemums and foliage plants, J. Davies, gardener to Mrs. A. R. Whitney, Morristown, was first, and A. Cover, gardener to Mrs. Julius Catlin, Morristown, second.

In roses L. A. Noe and H. Hentz, Jr., were first and second for 18 Beauty, and H. Hentz, Jr., first, and the only exhibitor for 12 Beauty. Mrs. F. Burnett was first for 18 Bridesmaid, and Righter & Burton, second. H. Hentz, Jr., was first for 18 Bride, with F. Burnett, second. For six Bridesmaid the prizes went to F. Burnett, D. Falconer, and Righter & Barton; and for 6 Bride, to F. Burnett, D. Falconer, and T. Kelly. E. Brant was the only exhibitor of Liberty.

Messrs Robert Craig & Sons, Philadelphia, made a nice exhibit of Queen of Edgely rose, which was much admired.

Lager & Hurrell Summit won the orchid prize with an elegant arrangement.

J. Jones, Convent, was first for a group of foliage plants, W. Charlton Madison, for specimen flowering plant, and G. Bird for specimen chrysanthemum. J. Davies won first for 100 violets.

Vegetables and fruits made a fine display, the two chief exhibitors in vegetables being W. Duckham and J. Davies, who staged superb collections.

Non-competitive exhibits helped to swell the volume of the show, especially noteworthy being an immense group of foliage plants and chrysanthemums, staged by W. Duckham, in his usual excellent manner, and a fine exhibit of

flowering and foliage plants, adorning the platform, contributed by A. Herrington. John N. May made a nice exhibit of pompon chrysanthemums in pots, and a new pink chrysanthemum, Yanariva. Dean & Parse, of Summit, staged a nice group of Adiantum Farleyense, and the Dalliedouze Brothers sent 50 nice blooms of carnation Prosperity.

VISITOR.

THE CHICAGO FLOWER SHOW.

The opening of the show on Tuesday, November 6 and the presidential election, came together, a not very favorable combination. As usual, it was a five days' show, beginning on Tuesday and ending Saturday night.

This is the tenth Fall show of the Horticultural Society, without intermission, with varying success, frequently with some unique and supposed attractive feature outside of the flower show proper. This much can be said, however, that, so far, all premiums and expenses have always been met and paid, with usually a respectable balance in the treasury. This has not been accomplished on its merits as a show, by door receipts taken, so much as by wealthy patrons of the Society each year donating liberally towards the premiums offered. The cut bloom class this year was away below the usual Chicago standard, both in quantity and quality exhibited, as well as in the number of exhibits staged. Outside of the stands of 25, 12 and 6 blooms, there were but 200, all told, in the single bloom class. Another important exhibit, absent this year, was that of E. G. Uihlein's orchids, and even the heretofore noted exhibits of 12-inch zonal geraniums, shrank to three entries.

For the second year the expensive Auditorium, with $1,000 a night hall rent, was used.

The main exhibit hall, really the parquet and stage of the theater, 90 x 180 feet, was by far too small of itself, hence the exhibits had to be divided between it, the large entrance foyer, and loggia above.

Last year the cut blooms were exhibited in the entrance foyer; this year they were in the main hall, the foyer being taken up with exhibits of dwarfer plants.

On entering, the groups of geraniums were the first thing to attract attention. Fred Bahr's exhibit of cyclamen, groups of ferns, palms, and other plants of J. C. Vaughan. Anton Then occupied a corner of an alcove with very neat marketable plants of all kinds; the George Wittbold Co., an alcove floral display, including plants and flowers, and a very pretty treatment of a decorated stairway. E. Wienhoeber had a handsome pair of palms—Kentia Forsteriana, and K. Belmoreana. Crabb & Hunter showed the only exhibit of single-stem, pot-grown chrysanthemums.

Among the chrysanthemum plants staged by John Reardon, gardener to Mr. M. A. Ryerson, Golden Gate, Louis Boehmer, The Bard, and May Foster, were well done, and in half standards Mayflower, Sunstone and The Bard. In the 10-inch class, Mrs. Perrin was particularly fine.

Mr. Reardon's zonal scarlet geraniums were composed of the variety S. A. Nutt. George Woodward, gardener to Mr. J. J. Mitchell, had Mme. Bruant.

John Algots, gardener to Mrs. Pullman, staged again his noble group of palms and ferns; a sabal palm, a Caryota urens, a Kentia Belmoreana, and Cybotium princeps being particularly fine.

In J. C. Vaughan's display of 14-inch pot chrysanthemums, Miss Georgiana Pitcher was a perfect specimen; grand G. W. Childs, Marie Louise, and S. T. Murdock, being also worthy of all praise, also, a well-grown plant of the pæony-flowered Descartes, and Chito. There were 10 charming pompons, well grown, and flowered, comprising Blanche Douglas, red; Atlas, blush; Viola, reddish purple; Martha, a beautiful white; Attila, Mrs. Astie, canary, Zenobia and Angelique.

In tall standard chrysanthemums, shown by J. C. Vaughan, Mrs. Murdock, Lenawee, and Oakland, were well grown. In the five-specimen class, pæony-flowered, Mary Stewart, Delicatum, Surprise, Descartes, and Garza, were the cream of the lot. From the same grower, the best five specimens, five varieties, not over 10-inch pots, were John K. Shaw, Beauty of Truro, The Bard, Snow Queen, and Mrs. T. L. Park. Mr. Vaughan also had a glorious group of the pompon Mizpah, the plants ranging from two to three feet across, and two feet in height. R. F. Chandler, Geneva Lake, Wis. (M. Lentschg, gardener), had a well berried coffee tree, a group of 21 well grown crotons, and a batch of cockscombs, a handsome specimen of the pretty shrub-like greenhouse plant Phyllanthus nivosus, surrounded at the base by a fine lot of dwarf decorative plants.

In the chrysanthemum class in collection, one bloom each, not less than 40, the best flowers in J. C. Vaughan's lot were Modesto, Autumn Glory, Mrs. L. Pape, Mrs. Murdock, Mrs. Robinson, Pennsylvania, Chito, Halowarden, and Goldmine. In Nathan Smith & Son's, best 12 blooms, were Col. D. Appleton, Mrs. M. A. Ryerson, Charles Davis, H. J. Weeks, Merza, Mrs. Coombs, and Yellow Carnot.

In Henry Weber & Sons' 12 varieties, one bloom each, were H. W. Longfellow, Mme. Bruant, Yellow Mme. Carnot, and Viviand-Morel. In this exhibitor's collection of not less than 40 varieties, the best were Sunstone, Bonnaffon, Mrs. Constable and Modesto.

J. C. Vaughan had a grafted chrysanthemum with 51 separate grafts, a perfect gem of a plant of which we shall give a full account in our next.

In the floral display, by retail florists, plants, flowers, floral arrangements, and the usual accessories admissible, the judging to be done each day, premiums of $100 and $70, for total highest points at the end of the week, the scheme embraced the decorations of the boxes of the theater. John Mangel and A. Lange each had spaces, the Wittbold Co.'s entry being in the alcove in the foyer. E. Wienhoeber also had a fine decoration of the boxes, not entered for competition. The president of the society is W. H. Chadwick; secretary-treasurer, Willis N. Rudd; superintendent, N. A. Miller. The judges of the general classes were P. O'Mara, president-elect of S. A. F.; John N. May, Summit, N. J., and Emil Buettner, Park Ridge, Ill. Ess.

(*Continued next Week*).

Awards.

Twenty-five blooms, one variety, white. First, Gunnar Teilman, Marion, Ind., with Fee du Champseur; second, John Feike, Will, Ill., with Mrs. Robinson.

Twenty-five blooms, yellow. First, Gunnar Teilman, with Bonnaffon; second, John Feike, with same variety.

Twenty-five blooms, pink. First, Hinsdale Rose Company, Hinsdale, Ill., with Mrs Perrin, second, Gunnar Teilman, with Morel.

Twenty-five blooms, red. Second, H. Weber & Son, Oakland, Md.

Twenty-five blooms, bronze. Second, G. Teilman.

Twenty-five blooms, any other color. First. Hinsdale Rose Company, with Chito.

Twelve varieties, one bloom each, white. First, Nathan Smith & Son, Adrian, Mich.; second, H Weber & Son.

Six blooms, one variety, white. First, G. Teilman; second N Smith & Son.

Six blooms, yellow. First, G. Teilman, with Bonnaffon; second, Fritz Bahr, Highland Park, Ill., with same variety.

Six blooms, pink. First, N. Smith & Son, with Orizaba; second, J. Steigh., Evanston, Ill., with Mrs. Perrin.

Six blooms, red. First, H. Weber & Son, with Childs; second, J. C. Vaughan, Chicago, with Intensity.

Six blooms, bronze. First, N. Smith & Son, with Lady Anglesey; second, Weber & Son, with Bruant.

Six blooms, any other color. Second, F. Bahr, Highland Park, Ill., with Mrs. Egan; third, N. Smith & Son, with Lady Hanham.

Best collection named varieties. First, N. Smith & Son; second, H. Weber & Son; third, Mrs. P. D. Armour, Jr., Oconomowoc, Wis. (Otto Speidl, gardener)

Specimen plant, white. First, Martin A. Ryerson (John Reardon, gardner), with Ivory; second, J. C. Vaughan, with Marie Louise.

Specimen plant, yellow. First, J. C Vaughan, with Miss Georgiana Pitcher; second, Martin A Ryerson, with Golden Gate.

Specimen plant, pink. First, J. C. Vaughan, with Mrs. S. G. Murdock; second, Martin A. Ryerson.

Specimen plant, red. First, Martin A. Ryerson, with The Bard; second, J. C. Vaughan.

Specimen plant, bronze. First, J. C. Vaughan, with Chito.

Specimen plant, any other color. Second, J. C. Vaughan.

Three standards. Second, J C. Vaughan; third, A. S Trude (Robert Mueller, gardener)

Five standards. First, Martin A. Ryerson; second (withheld)

Five specimen plants, five varieties. First, J. C. Vaughan; second, Martin A. Ryerson.

Five specimen plants, anemones. First, J. C. Vaughan.

Five specimen plants, single varieties. First, J. C. Vaughan.

Ten specimen plants. First, J. C. Vaughan.

Twenty-five plants, grown to single stem Second, Crabb & Hunter, Grand Rapids, Mich.

Ten plants grown to single stem. First, J. C. Vaughan; second, Crabb & Hunter.

Grafted specimens. First, J. C. Vaughan (chrysanthemums); second, A. S Trude (Robt. Mueller, gardener) (geraniums).

Three standard geraniums. Second, J. C. Vaughan.

Fifteen geraniums, one variety. First, Martin A. Ryerson; second, John J Mitchell.

Five begonias. First, J. C. Vaughan.

Cyclamens. Fred Bahr. Gratuity.

Collection of orchids other than cypripediums. Geo. Wittbold Co. Gratuity.

Ferns. Second, Geo. Wittbold Co.

Five foliage plants, five varieties. Second, Geo. Wittbold Co.

Best palm. First, Geo. Wittbold Co.

Best araucaria. First, John J. Mitchell.

Best croton. First, Frank R. Chandler, Geneva Lake, Wis.; second, John J. Mitchell.

Best Acalypha Sanderi. Frank R. Chandler, Gratuity.

Best decorative plant, other than Classes 41 to 46. Geo. Wittbold Co.

Best Boston fern. First, Geo. Wittbold Co.; second, J. C. Vaughan.

Best fern, other than Classes 48 and 49. First, Geo. Wittbold Co.; second, J. C. Vaughan.

Best basket Asparagus Sprengerii. First, Arthur Orr, Evanston (John Sleigh, gardener); second Geo. Wittbold Co.

Best six araucarias. First, A. McAdams; second, J C Vaughan.

Best display of decorative plants—open to all. First, Geo. Wittbold Co.; second, A. McAdams.

Best display of decorative plants—open to commercial florists. First, Geo. Wittbold Co.; second, A. Then.

Twenty-five American Beauty. First, Bassett & Washburn; second, South Park Floral Company, Newcastle, Ind.

Forty Kaiserin Augusta Victoria. First, Bassett & Washburn; second, W. W. Coles, Kokomo, Ind.

Forty Bride. First, South Park Floral Company; second, Peter Reinberg.

Forty Bridesmaid. First, South Park Floral Company; second, Bassett & Washburn

Forty Meteor. First, Bassett & Washburn; second, Hinsdale Rose Company.

Forty Perle. First, Bassett & Washburn; second, South Park Floral Company.

MOUNT KISCO (N. Y.) SHOW.

The fifth annual chrysanthemum show of the Bedford Flower Club was held in the Opera House on Thursday and Friday, November 8 and 9. The decorations of the hall, and the staging of the exhibits, were done by the officers and members of the Westchester County Horticultural Society.

The quality of the chrysanthemums shown here was of the highest, although the number of entries was not so large as might have been expected from the liberal prizes that were offered in the schedule.

In the class calling for 75 cut blooms of chrysanthemums, the first prize was won by A. L. Marshall, gardener to Mr. J. B. Dutcher. The varieties were Mrs. Pullman, Nyanza, Lenawee, G. J. Warren, Pres. Nonin, Mme. Carnot, and Mrs. H. Robinson. The second prize went to G. Barton, gardener to Mr. J. T. Layng. A. L. Marshall also captured the first prizes in the four classes, calling for six blooms of white, pink, yellow and any other color, winning with Autumn Glory, Mrs. H. Robinson, Bonnaffon, and Chito, respectively.

The F. R. Pierson prize of $10 for the best 12 blooms of Col. D. Appleton was also won by Mr. Marshall, the second going to J. Barton. The same donor also offered a prize of $5 for the best six blooms of Col. D. Appleton, which Mr. Marshall also secured.

Mr. Howard F. Bailey's prize of a $100 silver cup for the best 24 cut blooms was won by Andrew Grierson. This exhibit was remarkably fine. The winning kinds were Mme. Deis, Swanley Giant, Mrs. Mease, a seedling yellow, Mme. Carnot, Chatsworth, Mrs. T. Carrington, Australian Gold, Col. D. Appleton, Duke of Wellington, H. J. Jones, and Nellie Pockett. W. Duckham was also a competitor in this class, and staged some elegant flowers.

For the best 25 plants in pots, the first premium went to G. Barton. There was another exhibitor in this class who would no doubt have taken first honors, but his exhibit had to be disqualified owing to some of the pots having more than one plant in them.

For the best collection of decorative plants Herbert Spavins was first, with a group of mixed plants, containing palms, crotons, pandanus, etc. The same grower also took the honors for the best plant of Asparagus Sprengerii.

For the best collection of decorative plants, open to amateurs only, J. E. Gorham was the winner. In this group was a plant of Cocos Weddeliana, that for size and gracefulness could hardly be beat.

In the class for the best pair of adiantums, and that for specimen plant, A. L. Marshall took firsts. He was also first for cut blooms of cannas; and received a certificate of merit for a new orange-scarlet canna, named Howard F. Bailey.

For the best 50 blooms of violets, the prize went to Herbert Spavins.

The prize for best single palm, open to amateurs only, was won by William Mason, with a plant of Latania borbonica. For the best six plants, dissimilar, A. L. Marshall won with ficus, nephrolepis, two varieties, kentia, Pandanus Veitchii, and anthurium.

Herbert Spavins took first for best pair of araucarias, and A. L. Marshall was first for best collection of geraniums; William Willis, second.

A. L. Marshall was first for collection of Rex begonias, also for 12 seedling carnations. The best seedling carnation prize went to Herbert Spavins, with A. L. Marshall, second. A special prize was also given to Herbert Spavins for his scarlet carnation, J. W. Bowron. In the class for best collection of cut carnations, there were two competitors, and both were disqualified, for not staging according to schedule.

For the best 12 carnations, one variety, A. L. Marshall, won with General Maceo.

A collection of stuffed birds and animals was an interesting adjunct to the show. Dunne & Co., of New York City, had a display of rustic work, such as lawn settees, vases, etc., also a full line of insecticides and fertilizers.

George H. Hale, of Seabright, N. J., was one of the judges, and, while on the train going to New York, in the evening, after the show, someone stole his overcoat from the rack. The conductor was notified, and promised to do what he could toward recovering the missing garment.

POUGHKEEPSIE (N. Y.) SHOW.

The Dutchess County Horticultural Society held its annual exhibition, November 6, 7 and 8. In some features the show was better, and in others, not so good as last year. The display of cut blooms was not equal to last year's, either in quality or quantity, while the groups of palms and tables of orchids, were better competed for than before. William G. Saltford exhibited a fine table of cypripediums, for which a special prize was awarded.

The first prize for group, 100 square feet of chrysanthemums, was awarded to F. W. Vanderbilt, Hyde Park, gardener, U. G. Agor. For specimen foliage plants, F. W. Vanderbilt, was first; F. R. Newbold, second, gardener, Louis Eisenlohr. For six decorative foliage plants, Archibald Rogers took first, gardener, Samuel Horn; F. W. Vanderbilt, second. For six ferns, F. R. Newbold was first. For table of orchids, W. B. Dinsmore estate was first, the second honors going to Archibald Rogers. For the best table of decorative foliage plants, W. B. Dinsmore estate was first. For specimen Asparagus Sprengerii, Winthrop Sargent, Fishkill Landing, was awarded first prize. For specimen fern, the first honors went to Winthrop Sargent; second, to W. G. Saltford.

The Dieterich prize for 36 blooms, chrysanthemums in six varieties, brought out three competitors, the first honors going to Hon. L. P. Morton (gardener, Thomas Talbot); second, to Archibald Rogers. Among the best blooms of these two exhibits were Mrs. Peabody, Frank Hardy, Minerva, Col. D. Appleton, and Mrs. Perrin. For the best 12 blooms, white, Paul Gindra was awarded first; also first for 12 yellow, and second for 12 pink. The varieties of this exhibitor being Niveus and Modesto. First prize for 12 pink went to F. W. Vanderbilt, with well grown Mrs. Perrin. For 12 blooms any other color, F. W. Vanderbilt was again first. This exhibitor also took the prize for the best bloom in the exhibition, with a very fine flower of G. J. Warren.

The Morton prize, for 24 blooms, chrysanthemums, in four varieties, was won by F. W. Vanderbilt; Archibald Rogers, second. The best blooms in this class

TOBACCO STEMS
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60 CTS. PER 100 LBS.
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"THE BLACK STUFF."
Fine or Coarse to Your Order.
50 to 1000 lbs., 2 cents per pound.
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Mention this paper.

were G. J. Warren, Silver Wedding, Mrs. H. Weeks, and Viviand-Morel. For 25 blooms, arranged for effect, Charles De Rham, Cold Spring (gardener, Richard Grigg), was first. For 24 blooms, chrysanthemums, on boards, the first honors went to Winthrop Sargent; second, F. R. Newbold. First for 12 blooms was awarded to Talbut J. Taylor, Cedarhust, (gardener, Alexander McKenzie); second, Winthrop Sargent. The best blooms in these classes were Mons Chenon de Leche, Autumn Glory, T. Carrington, Mme. Carnot, Mme. Henry, Mrs. Mease, Anita de la Agriculture Noville, and Black Hawk. The Sargent prize for 24 blooms, yellow, in six varieties, was won by Archibald Rogers (gardener, Samuel Horn).

The Mills prize for 20 blooms, American Beauty, went to W. B. Dinsmore, estate (gardener, Thomas Emerson); for 12 Bridesmaid roses, Samuel Thorn, Millbrook, took first honors; L. P. Morton, second. For 12 Bride roses, Samuel Thorn was again first; W. G. Saltford, second. For 12, any color first went to W. B. Dinsmore with a very fine lot of Morgan.

For the best collection of carnations the Ward cup first honors went to Brincliff greenhouses, P. M. Pierson manager. The same exhibitor also took first for 36 blooms, carnations, three varieties, and first for 36 blooms carnations, three varieties, red, white and pink; W. G. Saltford being second in both classes.

There was a very keen competition for the Mayor's prize of $25, for 200 violets. The contest for this prize was, like all the violet competitions of former yenrs, exceedingly difficult to decide. The prize was finally awarded to C. F. Bahret, Poughkeepsie.

The Loring prize, for window box for indoor, was won by W. G. Saltford. The Loring prize for window box for outside was won by Winthrop Sargent (gardener, W. G. Gomersall).

The Newbold prizes for best dinner table decorations, for two days, was awarded to Charles de Rham, Cold Spring. The Burnham prize, for the best arranged center piece of chrysanthemums was won by Winthrop Sargent, (gardener, W. G. Gomersall), with a pretty arrangement of Silver Wedding and Davallia fijiensis, and Ampelopsis Veitchii sprays.

The Pierson prize for Col. D. Appleton, chrysanthemum, was awarded to Archibald Rogers, first; Winthrop Sargent, second.

Certificates of merit were given to John N. May, for chrysanthemum Yanariva, and to Clarence Lown, for fine specimens of platycerlums.

F. R. Pierson Co. was highly commended for fine collection of bay trees.

W. G. G.

The Annual Visit to Waban.

A party of about fifty accepted the invitation of Edmund M. Wood, to visit the Waban Rose Conservatories at Natick, Mass., on Thursday, to inspect the chrysanthemums, which are so finely grown there. In the party, besides the leading florists of this city, were the following from out of town: D. Frank Lewis, Lawrence; W. P. Craig, Philadelphia, Pa.; Joseph Fuller, Leominister; P. J. Donahue, Lenox; William Appleton, and William J. Pierson, Providence, R. I.; Hermann Thiemann, Manchester, N. H.; Robert Peterson, Portsmouth N. H.; John G. Esler, Saddle River, N. J.; Carl Jurgens, Jr., Newport, R. I.; W. H. O'Connor, and E. J. Johnston, Providence, R. I.

The chrysanthemums were in excellent shape. There were no new varieties, but the best of all the newer introductions of recent years were to be seen, noticeable among which were Mrs. Jerome Jones, and its yellow variety, Pennsylvania, Philadelphia, Mrs. F. Perrin, Viviand-Morel, Elma, Peter Kay, Mrs. Trenor L. Park and Western King. The rose-houses, too, presented a very good appearance; Bride, Bridemaid, Kaiserin, Beauty, all looked very well. The two new 700-foot houses attracted general attention, and all agreed that they were marvels of construction.

At the Woodland Park Hotel, Auburndale, Mr. Wood provided an excellent dinner, where the speakers called upon complimented him and Mr. Montgomery, on the excellent appearance of the houses and stock. F. J. N.

Chrysanthemum Society of America.

Following are the reports of the committees judging seedlings and sports:

October 27.

CHICAGO.—Nathan Smith & Son, Adrian, Michigan, exhibited Omega, a yellow reflexed Japanese variety, which scored 87 points commercial scale.

November 3.

PHILADELPHIA.—John Cook, Baltimore, Md., exhibited a blush white Japanese reflexed variety, scoring 89 points, commercial scale; 87 points, exhibition scale. Name will be furnished next week. Ernest Shrelber, gardener for William L. Elkins, Esq., Elkins, Pa., exhibited an incurved Japanese pink variety, which scored 79 points commercial scale; 76 points, exhibition scale. William Kleinheinz, gardener for P. A. B. Widener, Esq., Ogontz, Pa., exhibited D. Josephine, a bright yellow incurved Japanese, scoring 89 points commercial scale; 88 points exhibition scale.

NEW YORK.—William Kleinheinz exhibited D. Josephine, which scored commercial sale 83 points. John N. May, Summit, N. J., exhibited a terra cotta red variety, Japanese reflexed, scoring commercial scale 87 points. A very light pink Japanese reflexed, by same exhibitor, scored commercial scale 74 points. Names of these varieties will be furnished next week.

EDWIN LONSDALE, Secretary.
Wyndmoor, near Philadelphia.

Work of Committees.

NEW YORK.—Three varieties were before the committee here on Saturday, November 3. Only one of them was certificated—Brutus,—a Japanese reflexed; color, a terra cotta red, sent in by John N. May, of Summit, N. J. It scored 87 points. This variety will no doubt make a good commercial sort. No. 56, a large yellow flower, was sent by Wm. Kleinheinz, gardener to P. A. B. Widener, Esq., Ogontz, Pa. This is of the Japanese incurved type, of good size, and very pleasing shade. It failed to score the requisite number of points, however, its principal defect being a lack of fullness in the center of the flower; 83 points was the best the judges could do for it.

Yanariva, a very pale pink variety, of the Japanese reflexed type, was also sent in by Mr. May. This was a good sized flower, but it only scored 74 points, losing chiefly on color and foliage.

Philadelphia.

Club Meeting.

The election on Tuesday last was no doubt responsible for the only fair attendance at the Club meeting; but, then, for the past six months, the meetings have not reached the usual size. Surely with a list of over 200 members, at least half of these could come to the monthly meeting. Come next month and hear all the latest facts about new carnations. Albert M. Herr, of Lancaster, will read a paper on this subject.

The club room committee has been instructed to have something in the way of a smoker on Wednesday, November 14, on the occasion of the chrysanthemum show. The object of this is to entertain visitors from a distance. Samuel S. Pennock, read a paper on chrysanthemums from a commission man's standpoint, which was much appreciated. In answer to a question as to how many new chrysanthemums of the past two years were considered good ones, Mr. Pennock replied that not many were good commercially. Among desirable kinds he mentioned Florence Harris, but Wm. K. Harris remarked that not much could be said about this variety, as he had not disseminated it, finding it a paying variety, if only a limited number of blooms were grown. He preferred to keep it himself.

Trade Notes.

Cut flower conditions are a little improved over last week, but there is still too much stock around for the amount of business.

Bulb trade with the seed stores is now very dull.

The Chrysanthemum show promises to be a good one, entries are coming in well, and there are some very fine plants in sight. DAVID RUST.

Pittsburg.

The Market.

Last week's trade was very satisfactory. The many political parades, the founders' day celebration of Carnegie Library, with its reception to the honored guest, Minister Wu of China, and a number of smaller events caused a good demand for flowers, principally chrysanthemums. Stock is in fine shape, chrysanthemums particularly are at their best. Among them is a good dark-colored variety, grown by Fisher, of Castle Shannon, named Dr. Jacquet. Murchie, of Sharon, is also cutting good stock. Roses are rather abundant. Carnations are equal to the demand. Double violets are scarce, with little demand. Prices on all stock remain about the same.

Quite a novel funeral piece was made by Gust & Julius Ludwig, the past week. It represented a weeping willow tree, which stood on a base of flowers. The stem, or trunk, was made of immortelles, and the drooping branches of Asparagus Sprengeri.

E. C. Ludwig's new delivery wagon is a nice piece of work. On either side is a large rose leaf, with his name thereon in gold letters.

No killing frosts up to November 7; the thermometer, however, went as low as 34 degrees. E. C. REINEMAN.

Orange, N. J.

The regular monthly meeting of the New Jersey Floricultural Society, held on Wednesday evening last, was devoted chiefly to final preparations for the forthcoming show, on the 14th, when the work of 800 children is expected to form the principal part of the exhibition. Owing to the difficulty of transporting so many plants with incidental breakage, each child is expected to bring his or her plant to the hall on the morning of the event, which, perhaps, unfortunately, is for only one day and night. The mayor of Orange has been asked to grace the occasion. Additional premiums were provided of $1, $2 and $3, to those already offered last June, at the time of distribution, and Dr. J. M. W. Kitchen, in behalf of Mrs. Kitchen, donated a handsomely framed oil painting for the best display of any amateur or private gardener. A. D. Rose gave $2 to be awarded for the largest chrysanthemum bloom exhibited by any private gardener. Joseph A. Manda was made manager of the show.

The question box was again made a feature of the evening, and many slips were dropped in the box. One inquiry, however, baffled all present, viz.: "What remedy is there for the violet disease?"

J. B. D.

Hamilton, Can.

The weather here has been very fine, with the exception of a couple of cold rains and three or four light frosts. Outside flowers hung on for an unusually long time this Fall, the first killing frost being on October 17.

Roses, violets, and carnations are all looking splendid. Chrysanthemums are now very plentiful; few new varieties are seen this year, but the standard kinds are coming in in greater numbers than ever. There is a much larger demand for loose flowers and bunches.

E. G. Brown has a fine bench of chrysanthemums grown on single stems, as also has T. V. Kilvington. By far the greater part of the chrysanthemums produced here are grown and sold in pots, however.

Webster Bros. have shipped a large number of pot-grown roses this Fall, mostly teas.

The seed business of the late Robert Evans is being continued under the old name. The business is managed by Mr. Hogg, lately from Chicago, and connected with the Steele Briggs Seed Co., of Toronto.

Frank C. Bruce, of John A. Bruce & Co., is a candidate for parliamentary honors. Mr. Bruce is a very public-spirited gentleman, and would no doubt do the city as good service in Parliament as he has done in the capacity of citizen.

BEAVER.

Ithaca, N. Y.

Trade here is very good, and the prospects for a large Winter's business are quite bright. In spite of the heat and long drought, carnations made a good growth, and excellent crops may be depended upon.

The Bool Floral Co. have greatly improved their store, by having a fine solid plate glass front put in. H. Y.

Providence, R. I.

Trade Report.

The florists are finding business very quiet this season. There is scarcely any demand for cut flowers, and as the chrysanthemum is the flower just now, these blooms are giving poor satisfaction because of their inferior quality, owing, no doubt, to the unseasonable weather we have been having. We have had but little frost to date, and there is quite some out-door stock to be had yet. Cosmos are now at their best.

There is an abundance of all kinds of stock, particularly of chrysanthemums, but retailers are complaining of poor sales. No doubt, with the coming of cold weather, business will be better. Carnations are improving in quality, some very fine Crocker and Lawson varieties are seen in the store. Olympia, The Marquis, and other new sorts are not much in evidence yet. There are a number of local sports and seedlings that promise well, one of the finest being N. D. Pierce's Beau Ideal, of Daybreak color, large full flowers, beautifully fringed, good stem. It is to be placed on the market the coming Spring.

Violets are plentiful, but not yet quite up to the standard. Most of the growers report them looking well.

Jottings.

T. J. Johnston's store is replete with fine looking palms, ferns, etc., for the Fall trade.

Wakefield, R. I.

James A. Tefft, the florist, has been seriously ill and several times reported dead, but he still lives and gives considerable evidence of getting well again.

Santa Monica, Cal.

A local paper says "E. J. Vawter is making Ocean Park famous as a carnation center. There are a few other growers in that neighborhood who are following suit, and as a consequence Ocean Park carnations have already attained a reputation rivaling those of Redondo."



New York.—On Monday evening the scores rolled were as under;—

	1	2	3
A. S. Burns	161	178	153
C. Schenck	177	168	140
W. H. Siebrecht	196	168	157
T. J. Lang	188	176	171
F. H. Traendly	172	165	143
C. Woerner	138	135	102
J. 1. Donlon	135	...	...
P. O'Mara	179	...	...
W. Marshall	130	...	...

West Hoboken, N. J.—Following are the scores rolled last meeting night:

	1	2	3	4	5	6
M. Hansen	199	111	165	112	147	172
L. Hansen	157	188	115	132	157	144
Chas. Dietz	164	93	132	93	108	120
G. Brown	135	99	158	152	157	127
H. Baumann	102	135	111	102	92	125
John Birnie	90	90	122	111	123	156
E Schupp	116	101	70	113	90	79
Chas. Menne	..	102	122	145	113	199

On November 7, the scores made by the North Hudson Florists were as under:

H. Baumann	112	137	149	97
M. Hansen	124	157	142	176
Ch. Dietz	164	130	104	123
L. Hansen	140	166	179	114
C. Menne	136	115	115	127
G. Brown	157	168	156	135
O. Grundmann	120	116	103	109
J. Birnie	126	116	150	...

ANSON'S LEAGUE.

Chicago.—In the series the Florists have played six times, winning three and losing three games. In the games with the Harris team, November 1, the Florists won two out of the three games, as per score given.

FLORISTS.			
Winterson (Capt.)	129	146	164
Asmus	160	181	189
Hauswirth	145	148	121
Degnan	125	131	184
Balluff	163	179	149
Totals	722	785	807
HARRIS.			
Walsh (Capt.)	124	139	156
Erpelding	145	150	170
Miller	179	159	158
Morgan	137	184	148
Whitley	152	140	160
Totals	737	772	792

TARRYTOWN (N. Y.) SHOW.

The second annual exhibition of the Tarrytown Horticultural Society, was held in the Music Hall, on Wednesday, Thursday and Friday of this week. Seventy-eight classes were scheduled, and in almost every one of them there was competition. The body of the hall was not large enough to contain all the exhibits and the stage and front of the balconies were also utilized.

Among the plants and flowers shown, not for competition, was a bunch of the Prosperity carnations from Dailledouze Bros.; a bunch of Governor Roosevelt carnations, from the Cottage Gardens; and many specimen palms, a group of palms and foliage plants, a group of Pandanus Veitchii, vases of Beauty and Morgan roses, and an extensive exhibit of carnations from F. R. Pierson Co., who also staged several vases of chrysanthemums, among which were Thorneda, Intensity, Col. D. Appleton, and several others.

In the section for cut roses there were some very fine exhibits. For the best 12 Liberty, William Turner, gardener to Mr. William Rockefeller, took first; George M. Hay, gardener to J. I. Williams, Esq., being second. For the best 12 Perle, A. A. Taaffe, gardener to Mr. J. O. Matthieson was first and A. Fallon, gardener to Mrs. J. H. Whitehouse, second. For the best 12 Bride, James Nicol, gardener to Mrs. George Lewis, was first, and A. A. Taaffe, second.

James Nicol took first for 12 Bridesmaid, and A. A. Taaffe, second. For the best American Beauty, the first prize went to W. H. Waite, gardener to Mr. S. Untermeyer; William Turner being second.

For the best three dozen blooms of carnations, William Turner was first; George M. Hay, second. William Turner also took first for white carnations, with a fine bunch of White Cloud; first for scarlet, with G. H. Crane (George M. Hay being second), and first for yellow with Gold Nugget.

In the class for 12 pink, Joseph Dexter was first, with some well-grown Ethel Crocker, the second prize going to George M. Hay. In the striped class George M. Hay was first, and William Turner second. For the best three varieties, six blooms each, the winner was Robert Allan, gardener to E. C. Benedict, W. H. Waite taking the second. In the class for seedlings not yet disseminated, Dailledouze Bros. received a certificate of merit for Prosperity.

For the best six blooms of pink chrysanthemums Wm. Nye, gardener to Miss Blanche Potter, took first with Viviand-Morel. For the best 12 distinct varieties, the first went to William Scott, gardener to Mr. Joseph Eastman, the second to Andrew Grierson. The winning varieties were Swanley Giant, Col. D. Appleton, Frank Hardy, Minerva, S. Carrington, Mrs. J. M. Lewis, Golden Wedding, Mme. Carnot, Henry Hurrell, Anita de la Agricultural Noville, G. J. Warren, and Emily Salisbury.

In the class for 25 blooms, distinct varieties, William Scott was also first, Andrew Grierson, second. For the best 36, six varieties, six blooms of each, William Turner was first with Jerome Jones, Col. D. Appleton, Mrs. H. Robinson, O. P. Bassett, Bonnaffon and Viviand-Morel; Andrew Grierson, second, with Australian Gold, Purple Empress, Viviand-Morel, Mrs. James Lewis, Col. D. Appleton and Duke of Wellington.

For a table of decorative plants covering a space of 12 x 3½ feet, the first honors went to W. H. Waite; Howard Nichol, gardener to Mr. J. B. Trevor, second. In the class for six table plants, William Anderson, gardener to Mr. J. M. Constable, Mamaroneck, was the winner, with some nicely grown Pandanus Veitchii, Draceena Godseffiana, and crotons in variety, the second prize going to W. H. Waite.

In the class for best group of chrysanthemums in pots, occupying 100 square feet, first prize was won by Thomas Cockburn, gardener to Mr. Louis Stern; L. A. Martin, gardener to Mrs. C. Worthington, second. The competition between these two was close, both exhibits being very fine.

For the most effectively arranged vase of chrysanthemums, A. A. Taaffe, was first. William Scott second. Autumn foliage was used in both these vases to good effect.

For best specimen palm, W. H. Waite took first, with a fine plant of Kentia Belmoreana. For best bush-grown plant of chrysanthemum, William Turner took first, for white, with a plant of Ivory, first for yellow, with Marion Henderson' first for a plant of any color with G. W. Childs; first, for pink with Viviand-Morel. He also took the first premium in the class for three bush plants with Walter Molatsch, Marion Henderson and Ivory.

For group of palms and foliage plants covering 100 square feet, W. H. Waite was first, and H. Nichol second. For best two pans of selaginella, William Scott was first, Howard Nichol second. For the best pair of Adiantum, other than Farleyense, William Scott was first, James Nichol, second. William Scott, also, was winner in the class for three specimen ferns, the second going to James Nichol. Howard Nichol captured first for best Adiantum Farleyense, and second for specimen fern, the first prize in the latter class being won by William Anderson. For best fancy foliage plant, W. H. Waite was first, William Turner, second.

For best six Cyclamens, Robert Angus captured first prize; Authony Fallon, second.

For best six blooms of crimson chrysanthemums, Andrew Grierson was first with a vase of E. M. Bigelow.

In the class for best six pink chrysanthemums William Nye, gardner to Miss Blanche Potter, was first; and for the best six yellow, William Turner won with Bonnaffon, the second going to William Anderson. William Smith, gardener to Mr. Robert Mallory, was first, for best six white, with Mrs. H. Weeks, William Turner being second.

For the best 12 plants grown to single stem, Joseph Hauworth was first, and William Scott, second. William Turner took first for best standard, with a well-grown plant of G. W. Childs.

For the best 12 blooms of Col. D. Appleton, William Smith was the winner, capturing the Pierson Cup. The second prize went to William Turner. These were two very fine exhibits.

For the best arranged centerpiece for table, John Fursey, Yonkers, N. Y., took first, with a basket of Beauty roses and adiantum, the second going to A. A. Taagge.

The new chrysanthemum, sent by John N. May, and named Yanariva, received a certificate of merit.

For the special prizes offered by John N. May, for the best 25 blooms of Olympia carnation, George M. Hay was first; William Turner, second. The prizes offered by J. H. Troy, for the best 25 carnations, any color, were won by George M. Hay, who took first with G. H. Crane, and William Turner second. The E. G. Asmus prize, for vase of Liberty rose, was captured by William Turner.

Spoffard's prize for Lady Campbell violets, was won by L. A. Martin. William Turner took first for single violets. C. H. Bahret, Poughkeepsie, staged a nice bunch of Marie Louise violets, but not for competition. A bunch of white violets was also shown by Jos. Boschard, gardener of Mr. George E. Dickinson.

In addition to the many exhibits of flowers and plants there was a fine showing of fruit and vegetables.

The judges later reconsidered their decision on the awarding of the Pierson Cup, for the 12 best blooms of Col. D. Appleton. A protest had been made by some of the competitors, and the final rendering, gave the cup to William Anderson, the second prize going to William Smith.

Worcester, Mass.

The annual meeting of the Horticultural Society was held Wednesday, November 7. It was one of the largest meetings that has been held for a long time, on account of a desire manifested by a few members to elect a new secretary. But the opposition amounted to but little, as the old officers were re-elected as follows: President, O. B. Hadwen; secretary and librarian, A. A. Hixon; treasure, Nathaniel Paine. J.

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Wholesale Commission Dealer in
CUT FLOWERS
106 W. 28th Street, New York.
Orders by mail or telegraph promptly attended to. Telephone, 167 Madison Square.
Fine ROSES and CARNATIONS, Specialties.

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Beauties, Meteors, Brides and Bridesmaids are the leaders.
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Choice Roses and Carnations, all leading varieties, also rare novelties.
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SPECIALTIES
Beauties, Brides, 'Maids, Violets, Valley, Carnations, Chrysanthemums, Lilies and all Bulbous Flowers.
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Wall Space for Advertising Purposes to Rent.
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Consignments of first-class stock solicited.
Orders by mail or telegraph receive the best of attention. 'PHONE 1738 Madison Sq.

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Consignments of Novelties and all Seasonable Flowers Solicited, and Returns Made Weekly,
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Wholesale Prices of Cut Flowers, New York, November 9, 1900.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. Beauty, fancy—special	12.00 to 25.00	Carnations	Inf'r grades, all colors	.35 to .50
	" extra	8.00 to 12.00		Standard Varieties White	.75 to 1.00
	" No. 1	4.00 to 8.00		Standard Varieties Pink	.75 to 1.00
	" Culls & ordinary	2.00 to 3.00		Standard Varieties Red	.75 to 1.00
	Bride, 'Maid, fancy—spc'l	4.00 to 5.00		Standard Varieties Yel. & Var.	.75 to 1.00
	" extra	3.00 to 4.00		*Fancy—(*The highest grades of standard var.) White	1.50 to 2.00
	" No. 1	1.00 to 2.00		*Fancy—(*The highest grades of standard var.) Pink	1.50 to 2.00
	" No. 2	.50 to 1.00		*Fancy—(*The highest grades of standard var.) Red	1.50 to 2.00
	K. A. Victoria	3.00 to 6.00		*Fancy—(*The highest grades of standard var.) Yel. & Var.	1.50 to 2.00
	La France	1.00 to 3.00		Novelties	4.00 to 6.00
	Liberty	2.00 to 10.00		Lilies	..... to .....
	Meteor	2.00 to 6.00		Lily of the Valley	2.00 to 4.00
	Papa Gontier	..... to		Mignonette—ordinary	.25 to 1.00
	Perle	1.00 to 2.00		" fancy	..... to .....
Adiantum		.50 to .75	Orchids—		
Asparagus		25.00 to 35.00		Cattleyas	25.00 to 40.00
Asters		..... to		Cypripediums	..... to 12.00
Callas		6.00 to 10.00		Dendrobium formosum	12.00 to 15.00
Chrysanthemums		3.00 to 10.00	Smilax		8.00 to 10.00
	" fancy	12.00 to 25.00	Tuberoses		..... to .....
Daisies		.50 to .75	Violets—ordinary		.50 to .75
Gladiolus		..... to		" fancy	.75 to 1.00

WALTER F. SHERIDAN,
Wholesale Commission Dealer in
CUT FLOWERS
39 West 28th Street, New York.
Receiving Extra Quality AM. BEAUTIES and all other varieties of Roses.
TELEPHONE, 902 MADISON SQUARE. CARNATIONS.

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Consignments Solicited. NEW YORK.
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Wholesale Commission Florist
AND FLORISTS' SUPPLIES.
Also all kinds of Greens for Decorations.
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We have a fine grade of everything in market at present.
Send us a Trial Order and we will do the rest.
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Telephone, 421 Madison Sq. NEW YORK.
Receiving Daily Fine
PRES. CARNOT
KAISERINS,
METEORS,
BEAUTIES,
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119-121 W. 23d St., New York.
Telephone 733 18th St.

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THE VIOLET SPECIALIST,
GEORGE SALTFORD,
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Devotes his whole time to selling VIOLETS.
Fair dealing and prompt payments guaranteed.

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Consignments Solicited.

JOHN YOUNG,
Wholesale Florist
51 West 28th St., New York.
CYCAS PALM LEAVES always on hand.

Mention the Florists' Exchange when writing.

Hartford, Conn.

Trade the past week has been good; chrysanthemums are being received in large quantities, and sell readily. Roses are not as plentiful as heretofore, and are not so much in demand, since the advent of chrysanthemums. The supply of carnations is equal to the call. Violets were never better in this section. They are very abundant, and sell extremely well for this time of year.

Boston fern, rubber plants, and palms have sold well this Fall, and more bulbs were disposed of than ever before.

Nearly 250 florists and nurserymen participated in the Sound Money Parade here on Saturday last. J. F. Coombs was major. A florally decorated banner, and each parader wearing a yellow chrysanthemum, made an impressive appearance.

J. F. C.

Wholesale Florists, JOBBERS IN
Always on Hand: CARNATIONS, BRIDESMAIDS, BRIDES.
N. F. McCarthy & Co. FLORISTS' SUPPLIES
FLORISTS' VASES.
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Long Distance 'Phone, 14330 D.
Consignments of choice ROSES, CARNATIONS, VIOLETS, solicited.
Fine VALLEY in stock at all times.

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CARL E. TAUBE, Proprietor.
WHOLESALE AND RETAIL CUT FLOWERS.
Carnations a Specialty. TRENTON, N. J.
Mention the Florists' Exchange when writing.

Boston.

Market Notes.

There is nothing new to report in the way of business hereabouts. The market is continually well supplied, the receipts being very heavy, compared to the sales. In roses, Beauty are coming in of very good quality, and meet with a little demand, being nearly the only fine rose on the market. Kaiserin and Carnot, too, are of fairly good quality, and do pretty well at from $3 to $6, the latter variety making $8 and $10 for fancy stock. Bride and Bridesmaid are still poor, and move slowly at the prices that have prevailed for some time past. Meteor, Liberty, Morgan and such kinds are small yet, and prices are correspondingly low.

Carnations are plentiful, moving very slowly at $1 per 100, for good grades, extras going at $1.50 and $2 per 100.

Chrysanthemums are more plentiful and include many varieties. Friday and Saturday of last week quite a demand for red chrysanthemums was occasioned by the Harvard-Pennsylvania football game. The finest red varieties brought $3 per dozen, other grades, $1.50 and $2, which latter price is the outside figure for best grade, at present writing; many selling for $1 and $1.50. In pink, yellow, and white kinds, prices range from $3 to $6 per 100 for ordinary grades, finer ones fetching $8 to $12.50, and fancies $16 per 100.

Violets continue very plentiful, and the quality is fairly good. There was a little extra demand for violets, on Saturday, but plenty were on hand to go round. Valley is plentiful and generally of very good quality, but the demand, though fair, is not heavy. Usual Winter prices prevail. Pansies are now coming better, though still short stemmed, selling at 35c. per 100.

Jottings.

It is understood that there are a few interesting election bets to be paid in the near future, among "the boys." More than one bet provides for "dinners for ten," more or less.

The friends of Edmund M. Wood regret his defeat for the Legislature, after a very close balloting.

The Garden Committee of the Massachusetts Horticultural Society, with a few friends, made a visit of inspection to the chrysanthemum house of Col. Charles Pfaff, at South Framingham, on Wednesday, October 31. The finest of the old favorite varieties were seen at their best, and the newer ones also showed a high standard of cultivation, reflecting credit on the gardener, George Melvin. Among the newer sorts noticed were: Mrs. J. Lewis, white; Col. Appleton and Phœbus, yellow; J. P. Verlot and Lady Isabel, pink; Hodgson and Mrs. E. M. Bigelow, red.

Colonel and Mrs. Pfaff lavishly entertained the party.

On Thursday the Garden Committee of the Massachusetts Horticultural Society visited the estate of Mrs. A. W. Spencer at South Framingham, where Alex Mackay is head gardener. At this estate, as well as others visited by the committee, the chrysanthemums were developed to a high degree of cultivation, and it will be a difficult matter for the committee to make its awards. Over sixty varieties were grown by Mr. Mackay, including many fine sorts, noticeable among which were Mrs. Jerome Jones, Frank Hardy, Inter-Ocean, Silver Wedding, Eureka, Maud Dean, Viviand-Morel, Autumn Glory, Pennsylvania, Modesto, Leonidas and John Shrimpton. Mrs. Spencer entertained the party at her fine residence.

At Horticultural Hall on Saturday, October 27, M. H. Walsh showed his new hybrid tea rose "Flush o'Dawn," a light pink, changing to white, resembling President Carnot somewhat, but more double.

The Windmill High-Low-Jack Club, comprising the party which has been so often entertained by Edward Hatch at his cottage, "The Windmill," at Wenham Mass., tendered to Mr. Hatch a dinner at the Quincy House, on Thursday of last week. Fred R. Mathison was chairman, and had the arrangements in hand, which were carried out very successfully. A very pleasant evening was spent.

William E. Doyle, now alderman of Cambridge, is a candidate for mayor of that city.

F. J. N.

Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Boston Nov. 6 1900	Philadelphia Nov. 8, 1900	Baltimore Nov. 7, 1900	Buffalo Nov. 7, 1900	Toronto Oct. 29, 1900
Roses	A. BEAUTY, fancy—special	25.00 to 30.00	25.00 to 30.00	.... to	25.00 to 30.00	.... to ....
	" extra	16.00 to 20.00	15.00 to 25.00	.... to	15.00 to 20.00	15.00 to 25.00
	" No. 1	6.00 to 12.50	0.00 to 15.00	12.00 to 20.00	12.00 to 15.00	10.00 to 15.00
	" Culls & ordinary	2.00 to 5.00	5.00 to 10.00	5.00 to 10.00	5.00 to 10.00	.... to ....
	Bride, 'Maid, fancy—spec'l	.... to 5.00	3.00 to 8.00	.... to	.... to	.... to ....
	" extra	3.00 to 4.00	2.50 to 6.00	.... to	4.00 to 5.00	.... to 8.00
	" No. 1	2.00 to 3.00	2.00 to 4.00	4.00 to 5.00	2.00 to 3.00	4.00 to 6.00
	" No. 2	.... to 1.00	1.00 to 2.00	2.00 to 3.00	1.00 to 2.00	1.00 to 3.00
	K. A. Victoria	2.00 to 8.00	2.00 to 4.00	2.00 to 4.00	2.00 to 6.00	.... to ....
	La France	.... to	2.00 to 6.00	2.00 to 4.00	.... to	.... to ....
	Liberty	.... to	4.00 to 6.00	.... to	.... to	.... to 15.00
	Meteor	1.00 to 3.00	2.00 to 6.00	3.00 to 4.00	1.00 to 5.00	1.00 to 6.00
	Papa Gontier	.... to	.... to	2.00 to 3.00	.... to	.... to ....
	Perle	2.00 to 4.00	2.00 to 4.00	2.00 to 4.00	1.00 to 3.00	.... to ....
	ORCHIDS—Cattleyas	.... to 16.00	25.00 to 50.00	.... to	.... to 25.00	25.00 to 30.00
	Cypripediums	.... to	.... to	.... to	.... to	10.00 to 15.00
	Dendrobium formosum	.... to	.... to	.... to	.... to	.... to ....
Carnations	STANDARD VARIETIES: Inf'r grades, all colors	.50 to .75	.35 to .50	.75 to 1.00	.75 to 1.00	.... to .75
	White	.... to 1.00	.75 to 1.50	1.25 to 1.75	1.25 to 2.00	.... to 2.00
	Pink	.... to 1.00	.75 to 1.50	1.25 to 1.75	1.25 to 2.00	.... to 2.00
	Red	.... to 1.00	.75 to 1.50	1.25 to 1.75	1.25 to 2.00	.... to 2.00
	Yel. & Var.	.... to 1.00	.75 to 1.5	.... to	1.25 to 2.00	.... to 2.00
	*FANCY— (*The highest grades of standard var) White	1.00 to 1.50	1.50 to 2.00	.... to	.... to	.... to 3.00
	Pink	1.00 to 1.50	1.50 to 2.00	.... to	.... to	.... to 3.00
	Red	1.00 to 1.50	1.50 to 2.00	.... to	.... to	.... to 3.00
	Yel. & Var.	1.00 to 1.50	1.50 to 2.00	.... to	.... to	.... to 3.00
	NOVELTIES	1.50 to 2.00	2.00 to 3.00	.... to	.... to	.... to 3.00
	ADIANTUM	.50 to 1.00	.75 to 1.00	.... to 1.00	.75 to 1.00	.... to .50
	ASPARAGUS	.... to 50.00	35.00 to 50.00	25.00 to 75.00	30.00 to 60.00	30.00 to 50.00
	CALLAS	.... to	.... to	6.00 to 8.00	8.00 to 12.50	.... to 6.00
	CHRYSANTHEMUMS	3.00 to 6.00	6.00 to 8.00	2.00 to 8.00	2.00 to 6.00	.50 to 4.00
	" Fancy	8.00 to 16.00	15.00 to 20.00	0.00 to 16.00	8.00 to 15.00	6.00 to 15.00
	LILIES	.... to	.... to	.... to	.... to	.... to 4.00
	LILY OF THE VALLEY	2.00 to 4.00	2.00 to 5.00	.... to	3.00 to 4.00	2.00 to 4.00
	MIGNONETTE—ordinary	1.00 to 2.00	.... to	.... to	.... to	.... to ....
	" fancy	.... to	.... to	.... to	.... to	.... to ....
	SMILAX	10.00 to 12.50	12.00 to 15.00	10.00 to 25.00	12.00 to 15.00	12.50 to 25.00
	VIOLETS—ordinary	.35 to .50	.25 to .35	.... to 2.00	.30 to .50	.40 to .50
	" fancy	.... to .75	.50 to .75	.35 to .40	.60 to 1.00	.... to .75

BOSTON, MASS.
Asparagus Plumosus
Mignonette
Pink Pond Lilies
Brides
'Maids
American Beauties
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PROPRIETORS
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Meteors
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Carnations
Can furnish at short notice. Price according to quality of goods. Long Distance Telephone, 2161 and 2071.

SAMUEL S. PENNOCK,
Wholesale Florist.
BEAUTIES, KAISERINS, 'MAIDS, VALLEY and ORCHIDS
Our Summer Specialties and Can Supply in Quantity.
COMMENCING OCT. 1st, 1900, WILL BE OPEN FROM 7.00 A.M. to 9 P.M.
1612-14-16-18 Ludlow St., PHILADELPHIA, PA.

GEO. A. SUTHERLAND, WHOLESALE
CUT FLOWERS AND FLORISTS' SUPPLIES
No. 67 Bromfield St. and 18 Chapman Place, BOSTON, MASS.
Mention the Florists' Exchange when writing.

Cincinnati.

Trade News.

Business for the past week has shown some improvement over last year at the same time; we have handled many more flowers, and sold them at cheaper prices. Warm weather has been the cause of this. Chrysanthemums have lost none of their prestige, and at this season of the year nothing will take their place. Robinson is by far the best of all chrysanthemums for general business, and it sells for most money. Not only that, but it is more profitable for the grower, as it can be cut when half open, and still commands a good price. It is also a variety that lasts all through the season.

Chrysanthemums at Theodore Bock's.

Friday afternoon the writer visited the establishment of Theodore Bock to view his improvements, and likewise his chrysanthemums. In his collection I found such varieties as J. K. Shaw, pink, which is very fine for early; Georgiana Pitcher, yellow; Xeno, pink, also good; Mrs. Bassett, a sport from Robinson, lemon yellow, and a good one; Walter Molatsch, yellow and early, a very fine sort; R. Hooper Pearson, a new English sort, of a deeper yellow color than Golden Wedding, fine in foliage, growing three to four feet in height. The latter I consider the finest of all the yellows. H. J. Jones is an English production, red, and not unlike Fisher's Torch. It looks as though it would be all right when fully developed. Pluma is a hairy variety, and in its class is good, but there is not much call for this kind of a chrysanthemum. Goldmine, as its name implies, is yellow, and there is a place for it. Arab is a seedling of Mr. Bock's, bronze in color, and for a bronze is all right. The foliage is good, the plant growing to a height of about four feet.

Mr. Bock grows the older varieties as well as the new ones, and he sells all he grows right at home for $3 per dozen.

He has lately made many improvements in his place, having erected a new greenhouse 125 x 25 feet. This he has planted to carnations. In front of this house, and facing the street, is his office and sales room. This is a building 12 x 25 feet, of pressed brick, with glass front, and fine show windows. The offices is handsomely furnished in black oak, including desk, chairs, counter, and ice-box.

Mr. Bock extends an invitation to all his friends to come and see him.

At this writing, November 5, on account of All Souls' Day, the ice-boxes of the wholesalers are cleaned out. This will now give us a chance to start with clean, fresh stock, and, as many flowers are off crop, the market will stiffen up.

The residence of Sherman Thomas, florist, near Fort Thomas, was recently burglarized. A gold watch, pair of bracelets, ring, necklace and several minor articles being taken.

E. G. GILLETT.

Kansas City, Mo.

October weather in this city has been remarkably clear and warm, and with the abundance of good stock produced, the numerous wedding and party decorations have been handled in A No. 1 shape. The weather is too warm for the chrysanthemums, nevertheless some good ones are to be had at $4 per dozen. Beauty roses fetch $3 to $5.

H. J. Millatt has opened a retail store at 406 East Ninth Street, where he hopes to catch the east side business.

James Hayes, of Topeka, Kan., A. Newell and Samuel Murray spent a day this week inspecting the large establishment of George M. Kellogg, at Pleasant Hill, Mo. Mr. Murray will give a chrysanthemum show at his spacious Broadway conservatory, about November 10. A splendid lot of specimen plants will be seen.

K. C.

Chicago.

Trade Still Bad.

There is no change for the better in sight as yet. Last week was a record breaker all along the line. For this condition the long period of hot weather was in part responsible, its harmful effects being noticeable in roses and chrysanthemums particularly. Then, the demand generally seems away below the average for the time of year, the best retail dealers buying very sparingly.

The rose glut is away beyond all precedent, with short supplies of really fine stock. When at the end of October roses are sold on the streets at 5c. per dozen, there is something wrong somewhere.

Chrysanthemums, from the effects of the heat, come imperfect. In large shipments it is often hard to select a few dozen without a flaw. A limited number of Col. D. Appleton have reached $5 to $6 per dozen. The very best of the others have sold at $2 to $3. Ivory is coming is as good as any; even the old favorite, Bonnaffon, seems in trouble. Some good Viviand-Morel are visible. Other kinds in quantity are Mrs. Murdock, Maud Dean, Mrs. Perrin, Golden Wedding, Mrs. Jerome Jones, the Robinsons, Wanamaker, Mayflower, Charles Davis, with some good Moravia, the latter from Indiana.

On Monday of this week, with cooler weather, the quantity of stock was much diminished, but there has been no improvement in quality.

Evea carnations are hardly up to the mark. Last year we had touched $4 per 100 for extras, but the value does not go above $2 this year. Usually show week boosts prices a little, and we hope, with election over, that things will mend.

Chrysanthemum plants are now around, but like everything else, sales of them are declared poor, so far.

Club Meeting.

A well-attended meeting of the club was held the first Friday in November, when retiring President Hartshorne made a few timely remarks, in introducing his successor, President McAdams asked the aid of all members the coming year to make the club the success it ought to be. Charles Grabey and Charles A. Johnson were elected members. The regular annual banquet to visiting florists, it was announced, would take place on Thursday evening, November 8, in the banquet hall of the Auditorium Hotel.

J. S. Wilson, of Vaughan's greenhouses, at Western Springs, read a paper on the Boston fern as a pot plant. He illustrated his remarks by a noble specimen, grown in a 10-inch half pot, and others. A paper was also read by Walter S. Heffron, manager of the cut flower department of McKellar & Winterson, on "How to Ship Cut Flowers to Market." This was a very thoughtful paper, and was well received. Both essayists were tendered the thanks of the meeting.

The treasurer's report showed a balance in the treasury. The sum of $50 was appropriated for the purchase of tickets for the use of members to the flower show. The president appointed Messrs. Hauswirth, Amling and Wienhoeber, a finance committee.

A communication was read from J. D. Pruessner, Galveston, Texas, acknowledging receipt of the Chicago Florist Club's donation, to the flood sufferers.

Round About.

John R. Fotheringham, of F. R. Pierson Co., Tarrytown, N. Y., was in the city this week. P. O'Mara, one of the show judges, arrived on Monday morning, having come by way of St. Louis, where he attended the show banquet.

M. Olson, several years with E. H. Hunt, is now with J. A. Budlong, whose increasing trade makes additional help necessary. J. N. Jacobsen, formerly partner of Fred Hills, of Maywood, but later of Denver, Col., is again in this city.

A. Dimmock, of St. Albans, England, was also in town the past week.

Ess.

Harrisburg, Pa.

The weather here continues very mild; no killing frosts yet, and the gardens are gay with the blooms of chrysanthemums, geraniums, cannas, etc. Business is remarkably good. Of course, chrysanthemums have first call in cut flowers, although carnations sell very well also.

Grace, eldest daughter of Mr. and Mrs. W. E. Macklin, of the Melrose Floral Co., was married on November 1, to H. Robinson, a prominent lawyer of Denver, Col.

H. Y.

E. H. HUNT,
WHOLESALE
Seeds, Bulbs, Florist Supplies and Cut Flowers,
76-78 WABASH AVE. The oldest cut flower house in Chicago, established in 1880. CHICAGO.
Mention the Florists' Exchange when writing.

PITTSBURGH CUT FLOWER CO., Ltd.
WHOLESALE FLORISTS.
Long Distance 'Phone, 2157. No. 504 Liberty Street,
Florists' Supplies. Consignments Solicited. Write for Price List. PITTSBURGH, PA.
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McKELLAR & WINTERSON,
Wholesale Commission Jobbers
In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work.
45, 47, 49 WABASH AVENUE, - - CHICAGO, ILL.
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Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Chicago Nov. 7, '00	St. Louis Nov. 5 '00	Cincinnati Nov. 5, '00	Milwaukee Nov. 5 '00	Pittsburg Nov. 5, '00
Roses	A. Beauty, fancy—special	18.00 to 20.00	.... to 25.00	.... to 35.00	15.00 to 25.00	20.00 to 30.00
	" extra	12.00 to 18.00	15.00 to 20.00	20.00 to 25.00	10.00 to 12.50	12.00 to 15.00
	" No. 1	8.00 to 10.00	8.00 to 12.50	15.00 to 20.00	5.00 to 8.00	6.00 to 10.00
	" Culls & ordinary	2.00 to 5.00	4.00 to 6.00	3.00 to 5.00	4.00 to 5.00	3.00 to 5.00
	Bride, Maid, fancy-spec'l	.... to	4.00 to 5.00	4.00 to 5.00	.... to 5.00	6.00 to 6.00
	" extra	3.00 to 4.00	3.00 to 4.00	.... to 4.00	.... to 5.00	4.00 to 5.00
	" No. 1	1.00 to 2.00	.... to 2.00	.... to 3.00	.... to 4.00	2.00 to 3.00
	" No. 2	.50 to .75	.... to 1.50	.... to 2.00	.... to 2.00	1.00 to 1.25
	K. A. Victoria	2.00 to 4.00	3.00 to 5.00	.... to	4.00 to 6.00	3.00 to 10.00
	La France	.... to	.... to	.... to	.... to	.... to ....
	Liberty	3.00 to 5.00	.... to	.... to	4.00 to 6.00	2.00 to 4.00
	Meteor	2.00 to 4.00	2.00 to 5.00	.... to 6.00	4.00 to 5.00	2.00 to 4.00
	Papa Gontier	.... to	.... to	.... to	.... to	.... to ....
	Perle	1.00 to 3.00	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	2.00 to 4.00
	Orchids—Cattleyas	40.00 to 50.00	.... to	.... to	.... tr	.... to ....
	Cypripediums	12.00 to 15.00	.... to	.... to	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	.40 to .50	.... to .75	.... to .75	.... to 1.00	.50 to .75
	Standard Varieties White	.... to 1.00	.... to 1.00	1.00 to 1.50	.... to 1.00	1.00 to 1.25
	Standard Varieties Pink	1.00 to 2.00	.... to 1.00	1.00 to 1.50	.... to 1.00	1.00 to 1.25
	Standard Varieties Red	1.00 to 2.00	.... to 1.00	1.00 to 1.50	.... to 1.00	1.00 to 1.25
	Standard Varieties Yel. & Var.	1.00 to 2.00	.... to 1.00	1.00 to 1.50	.... to 1.00	1.00 to 1.25
	*Fancy— White	.... to	1.50 to 2.00	.... to 2.00	1.50 to 2.00	1.50 to 2.00
	(*The highest grades of standard var) Pink	.... to	1.50 to 2.00	.... to 2.00	1.50 to 2.00	1.50 to 2.00
	(*The highest grades of standard var) Red	.... to	1.50 to 2.00	.... to 2.00	1.50 to 2.00	1.50 to 2.00
	(*The highest grades of standard var) Yel. & Var.	.... to	1.50 to 2.00	.... to	1.50 to 2.00	1.50 to 2.00
	Novelties	.... to	.... to	.... to	3.00 to 4.00	.... to ....
	Adiantum	.75 to 1.00	.... to	.... to 1.00	.... to .75	.75 to 1.00
	Asparagus	40.00 to 50.00	.... to	.... to	.... to	25.00 to 35.00
	Asters	.... to	.... to	.... to	.... to	.... to ....
	Callas	5.00 to 8.00	.... to	.... to	.... to	.... to ....
	Chrysanthemums	3.00 to 8.00	.... to	8.00 to 10.00	8.00 to 10.00	2.00 to 8.00
	" Fancy	10.00 to 25.00	.... to	12.00 to 20.00	12.00 to 15.00	10.00 to 20.00
	Daisies	.25 to .30	.... to	.... to	.... to	.... to ....
	Gladiolus	.... to	.... to	.... to	.... to	.... to ....
	Lilies	.... to	.... to	.... to	.... to	.... to ....
	Lily of the Valley	3.00 to 4.00	3.00 to 4.00	.... to 4.00	.... to 4.00	2.00 to 4.00
	Mignonette—ordinary	1.00 to 2.00	.... to	.... to	.... to	.... to ....
	" fancy	2.00 to 4.00	.... to	.... to	.... to 4.00	.... to ....
	Smilax	10.00 to 12.50	12.50 to 15.00	.... to 15.00	12.00 to 15.00	10.00 to 15.00
	Tuberoses	2.00 to 4.00	.... to	.... to	.... to	.... to ....
	Violets—ordinary	.40 to .50	.... to .25	.... to .50	.... to .50	.20 to .30
	" fancy	.75 to 1.00	.... to .25	.... to .75	.... to .75	.50 to .75

H. G. BERNING,
Wholesale Florist
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WHOLESALE FLORIST,
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A COMPLETE LINE OF WIRE DESIGNS.

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Commercial Violet Culture
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WHOLESALE FLORISTS
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Manufacturers of Wire Designs.
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The Largest, Best Equipped, Most Centrally Located
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SUCCESSORS TO
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Wholesale Growers of Cut Flowers
OFFICE AND SALESROOM,
51 WABASH AVE., CHICAGO.
Headquarters for AMERICAN BEAUTIES.

CARNATION BLOOMS
Of all leading varieties now ready.
Let us figure on your wants.
CHICAGO CARNATION CO., Joliet, Illinois.
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Your Advertisement For
NEXT ISSUE
Should be on the way.

Just Wait a Minute!

I WANT to tell you that I am handling as fine a line of CHRYSANTHEMUMS, ROSES, CARNATIONS and VIOLETS as can be had in this city. ORCHIDS a specialty.

Chicago Agent for Caldwell's Wild Smilax.

Best Fancy Ferns in the market.

J. B. Deamud, 51 and 53 Wabash Ave. Chicago
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Carnation No. 666. Our record-breaking Carnation, hitherto known under No. 666, has been named by us

PROSPERITY.

For full particulars as to prices, etc., address **DAILLEDOUZE BROS., Flatbush, N.Y.**

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4 ACRES FIELD-GROWN CARNATION PLANTS--120,000

MAYOR PINGREE, MAUD ADAMS, DOROTHY SWEET, ALBERTINI
CRIMSON SPORT, JUBILEE, MRS. FISHER, C. A. DANA
ELDORADO, McGOWAN, L. L. LAMBORN, SWEET BRIER, PORTIA

$1 00 PER DOZEN; $4.00 PER 100.

Mention this paper. **J. L. DILLON, BLOOMSBURG, PA.**

100,000 Carnation Plants

LARGE, HEALTHY, FIELD-GROWN PLANTS.

	Per 100	Per 1000
WM. SCOTT	$2.50	$20.00
McGOWAN	2.50	20.00
EVELINA	2.50	20.00
ARMAZINDY	2.50	20.00
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Orders for less than 50 of any variety not accepted.

PETER REINBERG,
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CARNATIONS

Ethel Crocker.

10,000 plants from which to take cuttings. Other varieties in proportion. Let me figure on your orders. I'll make it worth the trouble of writing for prices now.

AGERATUM "STELLA GURNEY"

Strong little plants, from rose pots, at $5.00 per 100, or $40.00 per 1000.

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Rooted Cuttings

—OF—

ROSES and CARNATIONS

of all leading varieties. Orders booked now for delivery about December 10th.

GEORGE REINBERG,
51 Wabash Ave., CHICAGO, ILL.

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GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing

CARNATIONS

F. DORNER & SONS CO., La Fayette, Ind.

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CARNATION PLANTS ALL SOLD.

Ready to book your orders for rooted cuttings of all the leading varieties for **Spring delivery.** Let me quote you prices before placing your orders.

WM. MURPHY, Wholesale Carnation Grower,
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CARNATIONS

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GOOD SCOTT CARNATION

plants from the field, $4 per 100; $35 per 1000.

Also some good

McGOWAN CARNATIONS

At same prices.

CHARLES E. MEEHAN,
Germantown, - Phila., Pa.

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VIOLETS. VIOLETS.

Maria Louise, clean and healthy in every particular 3 in. pots, $5.00 per 100; ready.
Cash with Order.

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500 field-grown **Farquhar** to close out for $15 or $3 per 100. All in bud and blossom, with good foliage.

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LADY HUME CAMPBELL.

About 600 medium size and free from disease, in bud, the whole lot for $12.00.

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L. H. Campbell, extra large, healthy, field-grown clumps, at $4.00 per 100; $35.00 per 1000. 500 at 1000 rate.

SMILAX, fine, large plants, $2.00 per 1000.

PANSIES, stocky little plants of the largest flowering show varieties, 50c. per 100, by mail, $2.00 per 500; $3.50 per 1000, by express.

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VIOLETS

Extra strong, field-grown clumps.

California..... $4.00 per 100.
Princess of Wales..... 5.00 "

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SMILAX

Ready to spring, large bushy plants, 2¼ inch, $1.50 per 100; $10.00 per 1000.

FORGET-ME-NOT, true Winter-flowering, large, out of 3 inch, $2 50 per 100.

MIGNONETTE, Allen's Defiance, large plants, 2¼ inch, $2.50 per 100.

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PANSY PLANTS

Giant Flowering, 6 leaved. 100. 40c.; 1000, $2.50.



Geraniums, choice mixed, 2½ inch Per 100, $1.50; per 1000, $12.50.

Chinese Primroses, mixed, 2½ inch. Per 100, $1.50; per 1000, $12.50.

Hardy Gross Pinks, mixed or separate. Per 100, $1 50; per 1000, $12.50.

Begonias, Flowering, mixed, 2½ inch. Per 100, $1.50; per 1000, $12.50.

Sedum Variegatum, border plant, 2½ inch. Per 100, $2; 1000, $15.

	100	1000
Calla Bulbs, medium sized	$5.00	$40.00
Rose Geraniums, scented	1.50	12.50
R. C. Carnation, Morning Glory, light pink	5.00	40.00
Hardy Ferns, 4 inch, mixed	5.00	40.00

Pansy Seed. Giant Flowering, oz., $1.
5 plants at 100 rates; 250 plants at 1000 rates. Cash.

THE MORRIS FLORAL CO., Morris, Ill.

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PANSIES WORTH RAISING.

Pansy Plants all sold for the present.

CHR. SOLTAU, 199 Grant Avenue, **Jersey City, N. J.**

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A NOVELTY IN PANSIES.

Pansy growers who fail to include the giant flowered **Mme. Perret** in their collections will not be "in it" next Spring. Gorgeous colorings and extra large flowers. Can be seen in bloom at my place now. Oz., $1.00; large trade pkt., 25c Small sample free on application. All other varieties at lowest price.

BEAULIEU, Walker and Belmont Aves. **Woodhaven, N. Y.**

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PANSIES

Best strain in vigorous plants, per 1000, $3.00; per 100, 40 cts.

VINCA VAR.

From field, per 100, $3.00 and $4 00.

Cash with order, please.

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Giant, fine mixed, very strong, per 1000, $3.00.

Orders not solicited for less than 500. Special prices on 10,000 or more, buyer to pay express charges. Cash must accompany order.

JOHN LAPPE, - Maspeth, L. I.

The Largest Pansy Grower in America.

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PANSIES

The Jennings Strain.

My 1900 strain cannot be excelled; plants, finest mixture, 60c. per 100, by mail; $4.00 per 1000, by express. Seed, $1 per pkge.; $5 per oz. Cash with order.

E. B. JENNINGS, Lock Box 254, **Southport, Conn.**
Grower of the finest Pansies

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Roemer's Superb Prize

PANSIES

PLANTS READY NOW.

Free by mail, 65 cts. per 100; 250 for $1.50. By express, $4.00 per 1000; $7.00 per 2000; $10.00 per 3000; $15.00 per 5000.

CASH WITH ORDER.

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Grower of Extra Fine Pansies.

Mention the Florists' Exchange when writing.

$2.00 Per 1000

TO CLOSE OUT. (Nice Plants.)

GIANT PANSIES { Roemer's or Trimardeau.
HARDY DAISIES { Snowball, Longfellow.

California Privet 18 to 24 inches, branched, $2 per 100; $15 per 1000.

Boston Ferns Runners. $1.00 per 100. 2½ in., $2 per 100; $18 per 1000. From bench fit for 6 in., $10.00 per 100.

Carex Japonica Variegata 2 in., fine, $1.50 per 100. Cash.

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We offer for sale the largest stock of Forest Trees in this country, Sugar, Norway, Sycamore, Silver Leaf and other Maples by the thousands. Also Lindens Poplars, Elms, Willows, Mt. Ash, etc., in large quantities, as well as a general stock of other nursery products. Address

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SNOWFLAKE New Everblooming Polyantha White Cluster Rose for Forcing. It will be a coming pure white standard material for fine design work, also for 6-inch pans, buttonholes, etc. True and good, by no mistake, easy to raise, easy to propagate. Plants, 2 in. pots, doz. $2.50; 100, $15 00, 3 in. pots, doz., $4.00; 100, $25.00. Rooted Cuttings, in moss, by mail, per 100, $10. **Asparagus Sprengeri,** 2 inch pots, per 100, $2 00; 3 inch pots, per 100, $3.00

ALBERT KNAPPER, Frankford, Phila., Pa.

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ADOLPH C. FEHR,

Florist and Seedsman,

ROSES, CARNATIONS, SMILAX, CHRYSANTHEMUMS, Etc.

220 East Main St. Greenhouses, Carlyle Road.
BELLEVILLE, ILL.

Mention the Florists' Exchange when writing.

PRIMROSE and CINERARIA

Primrose, latest improved large-flowering fine plants, 2¼ inch, $1.50 per 100; 3 inch, extra large, $4.00 per 100.

CINERARIA GRANDIFLORA, 2¼ inch, $2.00 per 100. Cash, please.

J. W. MILLER, Hatton, Pa.

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CHRYSANTHEMUMS

Stock plants of Ivory, Glory of Pacific, Mrs. H. Robinson and Bonnaffon, 50 cents per dozen.

GERANIUMS, 2½ inch pots..... $2.50 per 100
CUT SMILAX.....20 cents per string
Cash with Order.

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Stock plants, at $1.00 per doz., from bench or or 6 inch pots.

Major Bonnaffon, Gloire de Pacific, Mme. Hergmann, J. S. Kolb, Mrs. Robinson, Yellow Robinson, Modesto, Jennie Fulkner and Mayflower.

CRABB & HUNTER, Grand Rapids, Mich.

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'Mums, Stock Plants!

Polly Rose, O. P. Bassett, Gladys Vanderbilt T. L. Park, Pennsylvania, Nagoya, Yanoma.

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86 South Grove Street, - EAST ORANGE, N. J.

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GIGANTEUM SEED.

The finest giant flowering varieties, in choicest mixture, 200 seeds, $1.00; half pkt., 50c.; $1.00 per 1000.

JOHN F. RUPP, Shiremanstown, Pa.

The Home of Primroses.

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Stock plants. New and standard varieties. Send for list. Early varieties ready now.

CARNATIONS Field-grown plants all sold. Orders booked now for rooted cuttings of **GENEVIEVE LORD,** the finest commercial pink to date. Ready January 1st. $5.00 per 100; $40.00 per 1000. Correspondence with large growers especially invited. **H. WEBER & SONS,** Oakland, Md.

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VEGETABLE PLANTS

CABBAGE H. Succession, Flat Dutch, Jersey and Charleston Wakefield, 15c. per 100; $1.00 per 1000; $8.50 per 10,000

LETTUCE Grand Rapids, Curled Simpson, Boston Market and other varieties, 15c. per 100; $1.00 per 1000; $8.50 per 10,000.

PARSLEY Good curled extra strong, 25c. per 100; $1.50 per 1000.

CAULIFLOWER H. Snowball, 35c. per 100; $2.50 per 1000.

If wanted by mail, add 10c. per 100 on Cabbage, Lettuce and Cauliflower 25c. per 100 on Parsley. Cash with order

R. VINCENT, JR. & SON, White Marsh, Md.

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100,000 GERANIUMS—ROOTED CUTTINGS.

SEND FOR LIST AND PRICES.

	Per 100
Asparagus Sprengeri, 2 in.	$3 00
" " 2¼ in.	4 00
Baby Primrose, 2¼ in.	4 00
Begonia Rex, rooted cuttings	2 00
Lemon Verbena, Extra 2 and 2¼ in. at $3.00 and $4.00 per 100.	
Forget-me-not, (winter), rooted c'gs.	$2 00
" " (winter), 2 in.	3 00
" " 4 in.	10 00
Violets, Farquhar, 2¼ in., free of disease.	2 50
Vinca, 2¼ in.	$3 00
" 4 in.	10 00
" 3 in.	5 00
" 5 in.	15 00
" rooted cuttings, $10.00 per 1000.	1 25

Send for Descriptive Circular and prices for the best Florists' Hose Nozzle.

TERMS CASH or C. O. D.

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

XXX STOCK For Immediate Shipment.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM, finest strain in the world, in four true colors, a splendid stock of plants, well set with buds, from 3 in. pots, $7.00 per 100, $65.00 per 1000; from 4 in. pots, extra fine, $1.50 per doz.; $12.00 per 100.

NEW CROP SEED (now ready), Album, pure white; Rubrum, dark red; Roseum, bright rose; Picturatum, white, claret base; separate, per 100 seeds, $1; per 1000 seeds, $9.00; mixed, 90c. per 100; $8.00 per 1000.

Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

CYCLAMEN GIGANTEUM

4 colors, 4 inch pots, $10.00 per 100; 3 inch pots, $5.00 per 100. Choicest strain, finely marbled, well set and in splendid condition.

Heliotrope, dark, 3 inch, husky, $3.00 per 100.
Begonia Rex, 15 varieties, 3 inch, $5.00 per 100.
Flowering Begonias, 2 in., 10 vars., $2.50 per 100.
Cyperus Alternifolius, 3 in., fine, 5 to 8 stems, $5.00 per 100.

ROOTED CUTTINGS BY MAIL. per 100

Double Fringed Petunias, 50 varieties..... $1 25
Dreer's, Henderson's and Giants of California. Petunia Grandiflora, single, 12 varieties..... 1.25
Strobilanthes Dyerianus..... 1.25
Ageratum, Princess Pauline..... .75
Heliotropes, 18 varieties..... 1.00
Fuchsias, 20 varieties..... 1.25

Not less than 5 of a variety in rooted cuttings. Cash with order, please.

GEORGE J. HUGHES, Berlin, N. J.

Mention the Florists' Exchange when writing.

GERANIUMS

100,000 Rooted Cuttings.—Francis Perkins, A. Ricard, John A. Doyle, J. J. Harrison and Leonard Kelway, $2 00 per 100; $15.00 per 1000. S. A. Nutt, Beaute Poitevine, La Favorite, Ed. Dauglede, Mme. Dabouche, Acteon, Clare Fromnot, Pres. Du Bois, and others, $1.50 per 100; $12.00 per 1000. D. Grant, $1.00 per 100. Mme. Sollerol, $1.25 per 100; $10.00 per 1000.

Abutilons, Savitzii, trailing and 5 others. $1.50 per 100. **Double Petunias,** 30 varieties, 2 inch pots, $2.00 per 100. **Manettia Bicolor,** 2 inch pots, $2.00 per 100. **Heliotropes,** 12 varieties, 2 inch pots, $2.00 per 100. **Weeping Lantanas,** $1.25 per 100. Cash with order.

☞ Special prices on large orders.

C. A. HARRIS & CO., Delanson, N. Y.

Mention the Florists' Exchange when writing.

To the Trade.

2000 ENGLISH IVIES

Strong plants, from 4 in. pots, $15.00 per 100

A No. 1 SCOTT CARNATIONS $5.00 per 100.

SELAGINELLA From 3½ inch pots, $5.00 per 100.

64 SASHES 3 feet by 6 feet, 7 inch by 9 inch glass, good for frames making a house 10 feet by 100 feet; $65.00 for the lot.

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing.

EXPRESS PREPAID

On All Rooted Cuttings and Satisfaction Guaranteed.



50,000 **Red and Yellow Alternantheras,** 60c. a 100; $5 00 a 1000.

Ageratums, 4 vars.; Princess Pauline, 75c. a 100; $7 a 1000. A new rich blue, a dwarf variety. Habit like Pauline, a good one, 75c. a 100; $7.00 a 1000. Cope's Pet, blue, Lady Isabelle, white, 60c. a 100; $5.00 a 1000.

Heliotropes, 10 best varieties, $1 00 a 100; $8.00 a 1000.

Daisies, California, white; Yellow Castle, yellow; the only 2 vars., $1.00 a 100; $8.00 a 1000.

Fiora Hill Carnations, $4.00 a 100. **Murillo Carnations,** $1.00 a 100. **Verbenas,** by the car load later on.

THAT CASH PLEASE.

C. HUMFELD, Clay Center, Kansas.

Mention the Florists' Exchange when writing.

CINERARIAS.

Benary, Cannell & Sutton's prize strains, dwarf and semi-dwarf, giant flowering, finest colors and shades; 2¼-in., $2.50 per 100, $22.50 per 1000. Cash with order.

Shellroad Greenhouses, Grange P. O., Balto, Md.

Mention the Florists' Exchange when writing.

	Per 100
Geranium, in 10 vars., 2½ in. pots	$2.00
Lantana, " " " " "	2.00
Sweet Alyssum, giant Double, 2½ in. pots	2.00
Swainsona Alba, 2½ in pots	2.00
Lemon Verbena, " "	2 00
Coleus, good assortment, 2½ in. pots	2.00
Smilax, 2½ in pots	1.25

CASH WITH ORDER.

R. VINCENT, JR. & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

50,000 DAHLIA CLUMPS for Fall Delivery.

Descriptive Price List upon application. Stock up-to-date. Prices right.

IMPROVED DOUBLE FRINGED PETUNIAS

20 named varieties, strong, from 2 inch pots, $2 50 per 100; $22.50 per 1000.

HYDRANGEA OTAKSA Strong, 2½ inch pots, well-grown stock.

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Cash, Please.

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Baltimore.

Trade News.

The market is still unsettled. Chrysanthemums are the only flowers that sell and they seem to be rather an open-market-flower than a store flower. Prices average low. Among the novelties Mr. Cook's seedling deserves mention. Of roses and carnations there is a surplus everywhere.

As a whole, the retail trade has not developed up to expectations. Politics and warm weather may be the reasons.

An Economical Park Board.

The Park Board has again inaugurated a few changes in accordance with their economy policy. The district superintendents have been discharged, their offices being abolished for good. The four park superintendents have been given charge of all the city squares. Nobody doubts the good intentions of the gentlemen constituting the board, but the expediency of their policy seems at best questionable, for every practical gardener must fear the bad effects of frequent alterations, such as the city's park department has experienced. One of the main faults is undoubtedly in curtailing the wages. The city is building new propagating houses in all the parks, and the Park Board intends to raise all the bedding plants required, nevertheless they are reducing the wages and the superintendents have to content themselves with a lot of laboring men to do the work.

Greenhouse Work.

This work seems to be well in hand in the commercial places. Mr. Walter is still waiting for his new boiler, and had to make emergency arrangements for the frosty nights, which may now be expected at any time. Roses are looking fine in nearly all the houses about here. Migonette is scarce, the Summer having been too hot and dry. Carnations are, in many instances, disappointing. A few large lots, which have been bought from the West, are a dire failure. Your correspondent saw some of the shipments arrive and cannot but regret the absolute lack of the least attention to proper packing. But even home-grown plants are suffering from stem rot in different places. It cannot be too much recommended in this connection, that only from the very best and healthiest plants should cuttings be taken. T. E.

Syracuse, N. Y.

All outside flowers are killed and the florists are feeling the effects in an increasing demand. The Marquis carnation has been a great favorite with Society people. H. Y.



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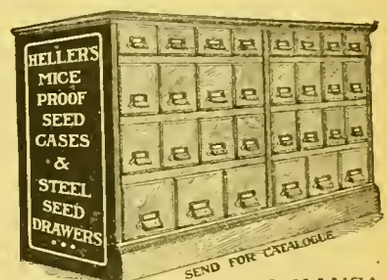

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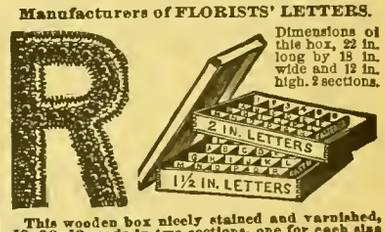

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St. Louis.

The Market.

Judging from the reports of the wholesale men, business must be pretty fair; they say stock is nicely used up in almost everything. There is no shortage and no great quantity left over. Roses have shortened up in supply to a very marked degree, and the present receipts are of rather poor quality; being the last of the crop, the flowers are short and weak-stemmed. The poorest quality bring about 2c.; better grades, 4c. to 5c. Beauty is in short supply, selling at about 15c. for medium grades.

Carnations are fully up to the demand at from $5.00 per 1,000 in large lots to, for a few, as high as 2c. Chrysanthemums so far have gone right well and still bring fair prices; good ones realizing 15c.; medium grades, 10c. Smilax and valley are at present rather slow.

Annual Shaw Banquet.

This very pleasant event took place on the night of the 3d, at the dining hall of the Mercantile Club, and was attended by one hundred and ten nurserymen, florists, market gardeners and invited guests. Among the florists were President-elect S. A. F. Patrick O'Mara, of New York, and William Scott, of Buffalo; also Ex-Governor D. R. Francis, Norman J. Colman, former Secretary of Agriculture; J. C. Birge, J. C. Smith and Geo. E. Leighton, of St. Louis; Professor Trelease, Director of the Garden, acted as toastmaster. Mr. O'Mara responded for the Society of American Florists, and in a splendidly-worded and humorous speech told of the growth and importance of the society, from its inception to the present day, not forgetting to pay tribute to the trade press, which, he said, was an important factor in the success of the society, and was now a necessity for the welfare of both the trade and the society. He spoke eloquently of our common benefactor, Henry Shaw, and the monument he left to St. Louis and the country in the Missouri Botanical Garden, also of the hospitality of the people of St. Louis.

"The Man With a Home" was responded to by J. C. Birge, of St. Louis, in a graceful and touching manner. He portrayed the importance of the adornment of a home by means of the beautiful in flowers and trees. J. C. Smith, formerly first assistant at the Garden, now in charge of the seed and plant importations at Washington, D. C., was next on the programme, his subject being "The Man from the Garden." He told of the benefits that were derived from an education in the lines taught at the Garden, and of some of the graduates who had since acquired fame in the field of horticulture.

J. J. Beneke followed on "The St. Louis Chrysanthemum Show." In his remarks he poured hot shot into the local florists who not only failed in their duty in helping sustain the show, but who in every way worked against it, and predicted that the coming exhibition, with a pull together, would be a success.

William Scott, in a clear and witty address, gave us full particulars of what had been done in horticulture at the Pan-American Exposition. Judging from his description, the fact is, as he insists it should be, that horticulture and kindred displays go to make up the principal features of these exhibitions. Buffalo, he said, will eclipse anything of the kind ever attempted before. It was quite evident that Mr. Scott's remarks were fully appreciated by those present, as we are on the eve of a like exhibition and desire to learn.

A. Warner had a paper prepared, which was read by his son, the topic being "Missouri at the Pan-American Exposition." Ex-Governor Francis spoke about our World's Fair, after which the company drank to the memory of Henry Shaw and left for home, having spent one of the most pleasant evenings since these dinners were first given. C. C. S.

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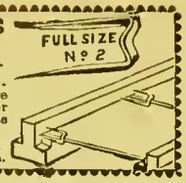

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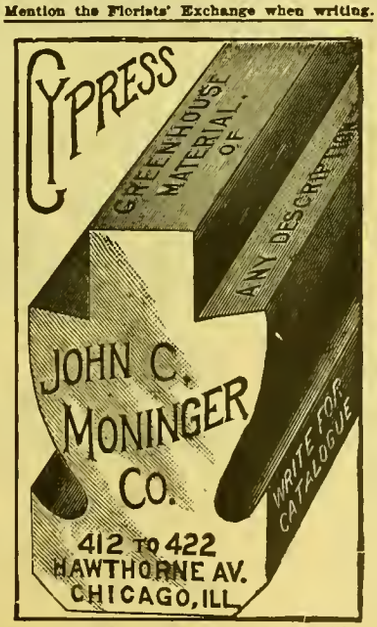

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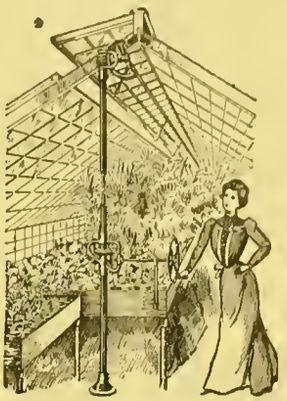

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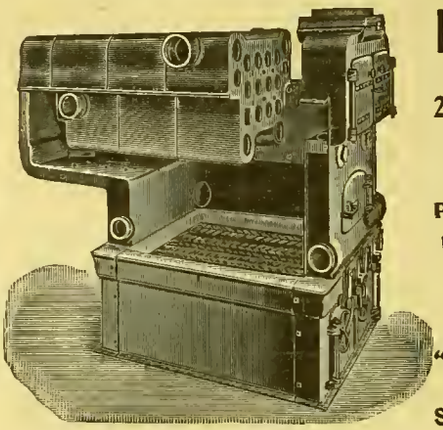

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JAS. W. ERRINGER,
Gen. Western Sales Agent,
297 Wabash Ave., CHICAGO, ILL.
Mention the Florists' Exchange when writing.

A. HERRMANN,

IMPORTER AND DEALER IN

FLORISTS' SUPPLIES,

Manufacturer of METAL FLORAL DESIGNS.

Telephone, 1837 Madison Square.

404, 406, 408, 410, 412 East 34th St. - NEW YORK.

FLORISTS' WIRE DESIGNS. | **REED & KELLER,** 122 W. 25th St., New York. | IMPORTERS AND DEALERS IN SUPPLIES

Mention the Florists' Exchange when writing

AT LAST!

A Vaporizing Insecticide

THAT IS

Cheap, Harmless and Effective.

"NICOTICIDE"

The Best of all.

Write for full particulars to
THE TOBACCO WAREHOUSING AND TRADING CO.,
1004 Magnolia Ave., Louisville, Ky.

CHRYSANTHEMUM SUPPLEMENT WITH THIS ISSUE.

THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant.

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL.

Vol. XII. No. 46. NEW YORK, NOVEMBER 17, 1900. One Dollar Per Year.

CHRYSANTHEMUM
COL. D. APPLETON

This variety, which we introduced last spring, has proved to be a prize-winner in every respect, and is undoubtedly the finest yellow chrysanthemum grown to-day, either for commercial purposes or for exhibition. If you failed to secure a stock of it last spring, let us book your order at once, while you think of it, for a stock of this for next year. This is not a variety that can be grown only by experts, but it is one of the healthiest growers and the most easily grown of all the varieties. It is a wonderfully healthy grower, with the most perfect foliage, and can be grown to perfection under ordinary culture. It is as easily grown as any variety that we know of. It has a magnificent flower of large size, and meets all the requirements of a commercial and exhibition sort. Let us book your order at once for Spring delivery. We can furnish fine plants of the true stock. Plants ready February 1st, 1901.

PRICE, **$8.00** PER 100

LILY OF THE VALLEY

Has now arrived, and we have filled all orders in hand, and have a small surplus. Advices from Europe are to the effect that the crop runs very much shorter than expected, and that prices have advanced, and it is doubtful if all orders will be filled in full. If you have not already secured your supplies, we would advise you to place your order without delay.

We offer **extra quality three-year-old German Pips,** first-class quality. $22.50 per case, 2500 pips; in smaller quantities, $10.00 per 1000.

Our **PIERSON'S PREMIER** is a fine selected Valley for those who want a superior article at a moderate price. This is a grade that we sell largely. $27.50 per case, 2500 pips; in smaller quantities, $12.50 per 1000.

PIERSON'S PERFECTION, an extra selected grade for those who desire the very finest Valley obtainable, and a grade that should be used for very early forcing. No better Valley can be supplied than this grade. It will produce the largest spikes, with the greatest number of bells, and will give the very largest percentage of first-class flowers; can be forced earlier than any other quality. $32.50 per case, 2500 pips; in smaller quantities, $15.00 per 1000.

We are also in receipt of our importations of

SPIRÆA

Stock is in fine shape. We have a small surplus, and offer it as long as unsold at the following prices:—Extra fine, strong clumps, especially grown for forcing — **JAPONICA,** $8.00 per case, 250 clumps; less quantities, $4.00 per 100. **COMPACTA MULTIFLORA,** $9.00 per case, 250 clumps; less quantities, $4.50 per 100. **ASTILBOIDES FLORIBUNDA,** $9.00 per case, 250 clumps; less quantities, $4.50 per 100.

F. R. PIERSON CO., Tarrytown-on-Hudson, N.Y.



Asparagus Plumosus Nanus

CUT STRINGS, 8 to 10 Feet Long 50 CTS.

W. H. ELLIOTT, BRIGHTON, MASS.

CHANCE OF A LIFE-TIME

Don't Miss This.

A delayed shipment of **Japan Lilium Longiflorum** bulbs has just reached New York in **perfect condition** and placed with us for sale, but owing to arriving late **"missed the market,"** and are offered until sold, as follows:

Japan Lilium Longiflorum

Bulbs, 7 to 9 inches in circumference.

$5.00 will buy an original case of **152** bulbs; **worth $7.60.**
$10.00 will buy an original case of **330** bulbs; **worth $16 50.**
$30.00 will buy **1000** bulbs; **worth $50.00.**
$100.00 will buy **4000** bulbs; **worth $200.00.**

CLUCAS & BODDINGTON CO., 342 W. 14th St., N.Y.City. Telephone, 461 18th.
Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS.

Business Candidates Elected

We are ready for BUSINESS

WHAT'S THE MATTER WITH

OUR CANDIDATES

ROOSEVELT AND PROSPERITY

THE BEST TWO CARNATIONS IN SIGHT

ORDER EARLY

ROOSEVELT, $12.00 per 100; $100.00 per 1000.
PROSPERITY, $16.00 per 100; $130.00 per 1000.

YOU CAN GET THEM AT

THE COTTAGE GARDENS, Queens, L. I.

See Our Advertisement, page 1065.

Useless to go any further. You can not do any better on



SPIRÆAS.

	100	1000
Japonica, - - -	$4.00	$35.00
Compacta Multiflora,	5.50	50.00
Floribunda, - - -	5.00	

Chinese Sacred Lilies In Mats of 30, $1.25 per Mat.

WM. ELLIOTT & SONS, New York.

Mention the Florists' Exchange when writing.

GLADIOLUS Florists extra white and light, named varieties, fine mixtures.

Write for prices.

MRS. A. H. AUSTIN, Charlestown, Portage Co., Ohio.

Mention the Florists' Exchange when writing.

To Clear Out SURPLUS STOCK

Until Sold We Offer

L. HARRISII 5 to 7 inch, $24.00 per 1000. 7 to 9 inch, 68.00 "

WHITE ROMAN HYACINTHS Red Skin, 12 to 16 centimeter, $11.00 per 1000

NARCISSUS Large, Trumpet Princeps, $8.00 per 1000.

250 Bulbs at 1000 rate. Cash with order.

HULSEBOSCH BROS., Englewood, N. J.

Mention the Florists' Exchange when writing.

FRANCIS BRILL

SPECIALIST IN

CABBAGE and CAULIFLOWER SEED

HEMPSTEAD, LONG ISLAND, N. Y.

Mention the Florists' Exchange when writing.

FRESH CALIFORNIA SEEDS.

Alsophylla Australis (Australian Tree Ferns) 50c. pkt.; **Asplenium Belangeri** (a most beautiful fern), 50c pkt.; **Cobæa Scandens** (blue flower), 35c. pkt., $2.50 lb.; **Cobæa Scandens** (white flower), 30c oz.; **Coleus**, superb mixture of splendid varieties, 50c. pkt., 75c. 1-16 oz., $10.00 oz.; **CENTAUREA, Large Flowering**, white, **Marguerite**, 75c. oz., $3.00 lb; **Cosmos**, "**Giant Fancy**," separate colors, 5c. oz.; splendid mixed, 40c. oz.; **Nasturtium**, lg. fl., dwarf "Tom Thumb," splendid mixed, 35c lb, 10 lbs. $3.00; **Nasturtium, Lobb's Grand New**, mixed, with very large flowers, $1.00 lb; 10 lbs. $8.00; **Dahlia "Imperialis." The Lily Dahlia**, 50c. pkt., $3.00 oz. Send for Trade List of Seeds.

MRS. THEODOSIA B. SHEPHERD
VENTURA BY-THE-SEA, CAL.

Mention the Florists' Exchange when writing.

NOTICE TO WHOM IT MAY CONCERN

OFFER TO HOLD GOOD AS LONG AS STOCK IS ON HAND

Narcissus Von Sion

Double yellow, mammoth bulbs, the finest in the country, only a few left, $14.00 per 1000; $1.50 per 100.

Hyacinths, EXHIBITION BULBS

True to name, only $65.00 per 1000; $7.00 per 100.

Hyacinths

For forcing in pots, extra fine, separate colors, $4.00 per 100.

Tulips

In the leading varieties, in any quantity, only one quality handled, the best.

Crocus

In separate colors, $2.00 per 1000.

Chinese Sacred Lilies

120 bulbs to a mat, $4.00 a mat. Special low price on large quantity.

Gladiolus, THE BRIDE

The finest bulbs grown, guaranteed the true pure white stock only, $5.00 per 100.

Azalea Indica

All sizes and varieties. Only a few left.

Prices on CRIMSON RAMBLER, H. P. ROSES, HERMOSA, CLEMATIS, AZALEA MOLLIS and PONTICA, BOX TREES, large and small; LILACS in all varieties; PÆONIA SINENSIS, to name, SPIRÆA JAPONICA, COMPACTA MULTIFLORA and ASTILBOIDES FLORIBUNDA, to arrive shortly, will be cheerfully given, by

F. W. O. SCHMITZ, Jersey City, N. J.

Mention the Florists' Exchange when writing.

HIGH-GRADE BULBS!

LILIUM LONGIFLORUM

	Per doz.	Per 100.		Per doz.	Per 100.
5-7	$0.40	$2.50	8-9.....	$0.90	$7.00
6-8.....	.50	3.50	8-10....	1.00	7.50
7-9.....	.75	5.00	9-10....	1.25	8.50

JONQUIL (Campernelle), 75c. per 100; $5.50 per 1000

HYACINTHS, Single or Double, in Pure White, Blush White, Light Blue, Dark Blue, Pink, Red, $4.50 per 100; $40.00 per 1000.

NARCISSUS!

	Per 100	Per 1000
VON SION, first size.....	$1 50	$14 00
Double Nose.....	2 00	18 00
PAPER WHITE, large-flowering.....	1 00	7 50
TRUMPET MAJOR, Mammoth.....	1 00	9 00

FREESIA Pure White, 65 cts. per 100; $5.00 per 1000.

Send for Wholesale Catalogue.

STUMPP & WALTER CO., 50 BARCLAY STREET, **NEW YORK**

Mention the Florists' Exchange when writing.

SEEDS FOR FORCING

TOMATOES, { Best of All, Lorillard, Frogmore Selected.

CUCUMBERS. MELONS.

SURE CROP MUSHROOM SPAWN, $8 per 100 lbs.

WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., N. Y. City.

Mention the Florists' Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA

WHOLESALE PRICE LIST FOR FLORISTS AND MARKET GARDENERS

Mention the Florists' Exchange when writing.

CYCLAMEN

GIGANTEUM SEED.

The finest giant flowering varieties, in choicest mixture, 200 seeds, $1.00; half pkt., 50c.; $4.00 per 1000.

JOHN F. RUPP, Shiremanstown, Pa.

The Home of Primroses.

Mention the Florists' Exchange when writing.

SURPLUS BULBS

WHITE ROMAN HYACINTHS,

12-15 ctm., $1.25 per 100, $10.00 per 1000.

Pink and Dark Roman Hyacinths,

$1.00 per 100; $8.00 per 1000.

PAPER WHITE NARCISSUS,

Extra size bulbs, 50cts. per 100, $4.00 per 1000.

Other Bulbs at Low Prices.

W. W. RAWSON & CO.

12 & 13 Faneuil Hall Square, BOSTON, MASS.

Mention the Florists' Exchange when writing.

1901 Specialties . . . .

Asters Daybreak, Purity and Branching Comet...

Cabbage Novelty . . .

20th Century Earlier than the Wakefield, as solid as Danish Ballhead. Write for prices and description. Halftone cuts for catalogue purposes.

JAMES VICK'S SONS,
ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

Italian Seeds

Our Wholesale Seed Catalogue has been posted to the Trade. If not received please apply to

DAMMANN & CO.,

San Giovanni a Teduccio, Prov. of Naples, Italy.
Seed Growers.

Purveyors to H. M. the King of Italy.

Mention the Florists' Exchange when writing

ESTABLISHED 1802

THORBURN'S SEEDS

BULBS NOW READY:

	100	1000
Lilium Longiflorum Japan, 5 to 7 inch.....	$2.00	$18.00
6 to 8 "	3.00	27.00
7 to 9 "	4.50	40.00
9 to 10 "		90.00
Lilium Harrisii, 7 to 9 in.....	8.00	75.00

Dutch Hyacinths, Narcissus, Tulips, etc.
Wholesale Bulb Catalogue mailed on application.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Mention the Florists' Exchange when writing.

SPIRÆA AND VALLEY

	Per 100
Spiræa Japonica.....	$3.50
Astilboides Floribunda	4.00
Compacta Multiflora...	4.00
New Gladstone	14.00

F. O. B. New York. Extra Large and Fine.

VALLEY.

	Per 1000
London Market.....	$14.50
Premium	12.50
International	10.25

Price case lots on application.

SURPLUS BULBS Must Be Sold.

Tell Us What You Can Use—We will Quote You Right Prices.

Lilium Longiflorum, Jap., 7-9.
" " " 9-10.
" Harrisii, 9-11.

Mammoth Freesias.
Single and Double Tulips.
Hyacinths, Double Named and Bedding sizes, Named Varieties.

VAUGHAN'S SEED STORE, 14 Barclay St., NEW YORK. 84-86 Randolph St., CHICAGO.

Mention the Florists' Exchange when writing.

JOHNSON & STOKES' SPECIAL OFFER

LILIUM AURATUM, 7-9.....$4.00 per 100
" RUBRUM, 7-9..... 4.00 "
" ALBUM, 7-9..... 5.00 "
CHINESE SACRED LILIES, per basket (30 bulbs, $1.40; per mat (120 bulbs), $5.00.
FINE MIXED TULIPS, 75c. a 100; $6.50 a 1000.
FRENCH WHITE ROMAN HYACINTHS, 12-15 cent., $1.60 per 100; $15.00 per 1000.
PAPER WHITE GRANDIFLORA NARCISSUS, 75 cts. per 100; $6.50 per 1000.
FREESIA REFRACTA ALBA, 50 cts. per 100; $4.00 per 1000.

JOHNSON & STOKES, Seedsmen, 217-219 Market St., PHILA., PA.

Mention the Florists' Exchange when writing.

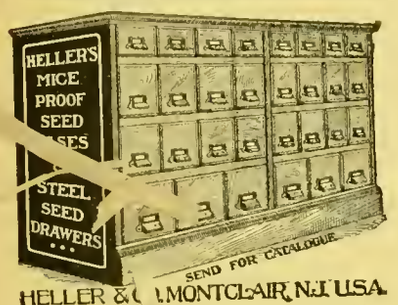


AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Cincinnati, O., President; F. W. BOLGIANO, First Vice-President; S. G. COURTEEN, Milwaukee, Wis., Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

Englewood, N. J.—Mr. Huisebosch has suffered a sad bereavement in the loss of his second son, aged about nine years. The interment took place Wednesday the 14th inst, at Calvary cemetery.



HELLER & CO.

Mention the Florists' Exchange when writing.

New York.—Lily of the valley pips are now arriving. Stock is reported short across the water. Vaughan's seed store reports large, early sales of XXX holly, bouquet green, and other Christmas goods.

European Notes.

The great value of a showery June has a perfect exemplification in the seeds we are now engaged in cleaning. The development of the ovary is almost entirely dependent upon a fair supply of heat and moisture combined. Without either of these essentials, the seed pod will be found to contain a large percentage of imperfectly developed seeds, which the fan or winnowing machine will take out in the dressing. The loss occasioned in this manner fully accounts for the excessive reductions with which we are confronted, and which some people who have no practical knowledge of seed growing find it difficult to understand. All our crops, from turnip to Windsor beans, are affected in the same manner; and the report reaches us from your side that peas are in the same condition with your growers. The waste is simply alarming, and even at the high prices that purchasers are willing to pay, will not leave any profit to the grower.

The shortage on broad beans is very serious, and is giving very great trouble to some who "counted their chickens before they were hatched." All samples are very small, and in many instances are discolored by the late rains.

EUROPEAN SEEDS.

Botanical Specimens.—Following is a recent decision of the general appraisers: "Evergreen seedlings," grapevines, are specimens of botany or botanical specimens, and, when imported in pursuance of the purpose of conducting such experiments in forestry as may "be deemed most advantageous to the interests of a state and the advancement of the science of forestry generally," by developing them in connection and comparison with others, and with a view to making a collection of this and various similar vines for a scientific and public collection by a public institution, such as the Forestry College of Cornell University, are entitled to free entry under paragraph 666, act of July 24, 1897, providing free entry for "Specimens of natural history, botany, and mineralogy, when imported for scientific public collections, and not for sale."

Des Moines, Ia.

The employees from the various departments of the downtown business of the Iowa Seed Company attended a Hallowe'en social given by the greenhouse force of the company employed at the greenhouses near Greenwood Park on Wednesday evening. The large potting rooms where the guests were received by Mr. and Mrs. Rennison and Mr. and Mrs. Kurtzweil were a veritable fairy land. Later in the evening refreshments were served. Many of the guests were dressed in unique costumes, which added much merriment to the occasion.

CATALOGUES RECEIVED.

WILBUR A. CHRISTY, Kinsman, O.—Catalogue of "Mapleshade" gladioli.

WILHELM PFITZER, Stuttgart, Germany.—Wholesale Price List of Novelties in Seeds and Bulbs, etc.

CALDWELL, THE WOODSMAN CO., Evergreen, Ala.—Illustrated Catalogue of "Evergreens of the Southland," showing their appropriateness for various decorations.

PETER LAMBERT Trier, Germany.—Illustrated Catalogue of Roses and other plants. A most useful Catalogue, owing to the large number of varieties enumerated and classified

TWO very necessary qualities in a special advertising edition: Timeliness and Circulation. Take advantage of both by mailing your advertisement early for Florists' Exchange Christmas Number, December 8.

CLEMATIS

Paniculata.

2 and 3 years old.

	Per 10]	Per 100	Per 1000
No. 1	$1.00	$7.00	$65.00
X size	1.25	9.00	75.00
XX "	1.75	13.00	125.00
Fine pot plants,	.50	3.50	30.00

Hydrangea, P. G.

3 to 4 ft. . $1.50 per 10; $10.00 per 100.
3 to 4 " XX, 1.80 per 10; 15.00 per 100.

Send us your order now for Spring.

ELIZABETH NURSERY COMPANY,
ELIZABETH, N. J.

Mention the Florists' Exchange when writing.

PALM SEEDS

Fresh on Hand.

Chamærops Excelsa (in 10 lb. lots at 30c.)	per lb.,	40c.
Washingtonia Robusta	"	75c.
	Per 100 1000	5000
Erythea Edulis (Brahea Edulis)	50c.	$4.00 $18.00
Phœnix Canariensis	50c.	3.00
Phœnix Reclinata	25c.	$2.00 8.75

GERMAIN SEED & PLANT CO., Los Angeles, Cal.

Mention the Florists' Exchange when writing.

CALADIUMS

FANCY-LEAVED.

Ready in December a choice collection of named varieties, dry bulbs, as follows:

¾ to 1 in. diam ....$3.75 per 100; $30.00 per 1000
Over 1 to 2 in. diam. 5.00 " 45.00 "
Over 2 to 3 in. diam. 12.00 "

PHRYNIUM VARIEGATUM

Elegant foliage plant, green and white, dry tubers, $4.00 per 100; $25.00 per 1000.

THE JESSAMINE GARDENS, Jessamine, Fla.

Mention the Florists' Exchange when writing.

JUST ARRIVED FROM HOLLAND!

	12	100	Case 200
SPIRÆA CONFUSA COMPACTA MULTIFLORA, large clumps	$0.60	$4.00	$7.50
" ASTILBOIDES FLORIBUNDA	.50	3.75	7.00

	100	1000
GLADIOLI COLVILLEI ALBA, THE BRIDE, fine bulbs	$0.50	$3.50
DIELYTRA SPECTABILIS	per 12, 85c...	5.75

FROM JAPAN.

	10	100
Japaniceous Pæonias, in 25 choicest sorts	$3.00	$27.50
Iris Kæmpferi	1.00	8.00

GREAT FOR 'XMAS FORCING.

	Each	10
Multigrafted Maples, a bouquet of foliage..	$0.60	$5.50

LILIES.

Longiflorum Japan, sound, clean stock—
5-7 inch.....100, $2.00; Case of 500, $9.00 Net.
6-8 inch.....100, 3.00; Case of 450, 12.00 Net.
7-9 inch.....100, 5.00; Case of 300, 12.00 Net.

	Per 12	100
Lilium Auratum, 8-9 inch	$0.60	$4.00
" " 9-11 inch	1.00	7.00
Lilium Rubrum, 8-9 inch	.60	4.00
" " 9-11 inch	.85	6.00
Lilium Album, 8-9 inch	.75	5.00
" " 9-11 inch	.85	6.00

SOON TO ARRIVE!

VALLEY, TUBEROUS ROOTED BEGONIAS, GLOXINIAS, GLADIOLI.

Chance to Secure First-Class Stock at Auction Price.

HYACINTHS

MUST GO THIS MONTH.

As long as stock lasts we offer:

	12	100	1000
Dutch Hyacinths, separate colors, large	$0.50	$3.75	$35.00
" " named sorts, Our Choice	.75	5.50	
Dutch Roman Hyacinths, "	.40	2.25	

Named sorts.

NARCISSUS.

EXTRA FINE LARGE BULBS.

	100	1000
Paper White Grandiflora	$0.60	$5.00
Trumpet Major	.85	7.00
Pœticus Ornatus	.85	7.00
VON SION, many double nosed	1 25	11.00
" " select bulbs	1.00	9.00
Narcissus, single, double and Trumpet, mixed	.75	6.00

TULIPS.

MUST GO. MAKE A BID. WE STILL OFFER

	100	1000
Duchesse de Parma	$0.60	$5.50
Cottage Maid	1.00	9.00
Chrysolora	1.00	10.00
La Reine	1.00	9.00
Duc Von Thol, rose	1.25	10.00
" " yellow (true)	1.50	14.00
Poltehakker, yellow	1.25	11.00
" white	1.25	10.00
Rose Grisdelin	1.00	8.00
Yellow Prince	1.00	9.50
Joost Von Vondel	.85	7.50

DOUBLE TULIPS.

	100	1000
La Candeur	$1.00	$8.00
Gloria Solis	1.25	10.00
Rex Rubrorum	1.25	11.00
Murillo	2 25	20.00
Duke of York	1.00	7.50
Choice Single and Double Mixed	.75	6.50

CROCUS.

Separate Colors, Extra Size Bulbs, per 100, 25c.; 1000, $2.

	100	1000
Iris Hispanica	$0.40	$3.00
" Anglica	.75	6.00

LILIUM LONGIFLORUM

(JAPAN GROWN.)

5x7	$2.00 per 100,	$15 00 per 1000.
7x9	3.75 "	35.00 "

Cyclamen Giganteum Persicum Bulbs.

Monster flowers pure white, rose, crimson, white with red eye, rose with red eye. Per doz., $1.20; per 100, $8.00.

5 per cent. cash discount on all bulbs not marked net.

SEEDS.

SWEET PEA, 1900 CROP, offered for early forcing in your choice at 25c. a lb.



FERN BALL.

JAPAN FERN BALL.

December to January delivery. Write for prices.

We were the first firm in the U. S. who introduced these in 1878. Order now and secure bona fide long-leaved stock.

H. H. BERGER & CO. ESTABLISHED 1878. 47 Barclay Street, New York.

Mention this paper.

MANETTI FOR GRAFTING

150,000 from France; 30,000 from England.
PRICES UPON APPLICATION.
Crimson, Yellow, White and Pink Ramblers; Mogan Charter, Ulrich Brunner, Paul Neyron.
HARDY NURSERY STOCK.

HIRAM T. JONES, Union County Nurseries, **Elizabeth, N. J.**

CALIFORNIA PRIVET!

A FEW HUNDRED, 2 YEAR.

4 to 5 feet, very heavy, at.....$5 00 per 100
3 to 4 feet, very heavy, at..... 4 00 per 100
2 to 3 feet, very heavy, at..... 3.00 per 100

A LARGE STOCK OF ONE YEAR OLD:

	Per 100	1000
12 to 15 inches, two or more branches	$1 50	$10 00
15 to 20 inches, three or more branches	1 75	12 00
18 to 24 inches, good	2 00	15 00
20 to 30 inches	3 00	20 00

All No. 1 stock, well packed.

Also extra strong **Meech's Orange** and **Rea's Mammoth Quince**; **10,000 Moore's Early** and **10,000 Concord Grapes**, extra nice, 1 year. Order soon if wanted. Prices on application.

CHAS. BLACK, Hightstown, N. J.
Mention the Florists' Exchange when writing.

CALADIUMS

Fancy leaved, 40 named sorts.

Dry bulbs, 1¼ to 2¼ in., at $10.00 per 100; $90.00 per 1000
" " 1 to 1¼ " 8.00 " 70.00 "

ORANGES

Best sorts, grafted on Citrus Trifoliata.

Beautiful plants, bushy, 15-18 in., $30.00 per 100

PHOENIX CANARIENSIS AND TENUIS
Very Stocky.
3-4 characterized leaves, 15-18 in., $15.00 per 100
4-5 " " 20-24 " 25.00 "
5-6 " " 24-30 " 40.00 "

PHOENIX RECLINATA Very Stocky,
3-4 characterized leaves, 15-18 in., $25.00 per 100.

LATANIA 4-5 characterized leaves, 18-20 in., $25.00 per 100

BIOTA AUREA NANA Best dwarf Biota, 12-15 in., $12.00 per 100

Not less than 50 at above rates.
Send for Price List.

P. J. BERCKMANS CO., Augusta, Ga.
Mention the Florists' Exchange when writing.

FOREST TREES

We offer for sale the largest stock of Forest Trees in this country, Sugar, Norway, Sycamore, Silver Leaf and other Maples by the thousands. Also Liudens Poplars, Elms, Willows, Mt Ash, etc., in large quantities, as well as a general stock of other nursery products. Address

STEPHEN HOYT'S SONS. - New Canaan, Conn.
Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM,
PÆONIES, BLEEDING HEART,
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.
Mention the Florists' Exchange when writing.

HYDRANGEAS

Magnificent Strong Stock, with 4 to 7 branches.

Otaksa, Red-Branched, Thos. Hogg,

Price, $10.00 per 100; $85.00 per 1000.

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Our Folder, "How to Make Tree Seeds Grow," free with every order.

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PARSLEY Good curled extra strong, 25c. per 100; $1.50 per 1000.

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If wanted by mail, add 10c. per 100 on Cabbage, Lettuce and Cauliflower. 25c. per 100 on Parsley. Cash with order

R. VINCENT, JR. & SON, White Marsh, Md.
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AMERICAN ASSOCIATION OF NURSERYMEN.

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The past week saw the disappearance of the greenhouse structures of John Kinnier, Germantown, Pa., florist and landscape gardener. Mr. Kinnier gave up the florist department of his business some years ago, leasing the premises to another, but conducted the landscape gardening division continuously. The greenhouses were old and unfit for the business of a florist as now conducted, so the structures have been demolished, and the ground cleared for other purposes. A famous old rose bush was in one of the houses, which Mr. Kinnier thought so much of, that he sought and found a purchaser for it. It was a Niphetos grafted on a Banksia. From this rose bush he was accustomed to cut thousands of buds annually. Mr. Kinnier has practically retired from landscape gardening, having, it is believed by his friends, a comfortable competence, which all that know him agree he has well deserved.

The Last Shrub to Flower.—There are many aspirants for the place of being the first shrub to flower in Spring. Daphne mezereum and Lonicera fragrantissima are pretty well up in the front, and there are others close by. But there are none who would wish to dispute with the witch hazel the position of being the last of the season. This shrub is Hamamelis virginica, native of the Middle States, and valued for its medicinal qualities, as well as for its utility as a shrub. Its flowering period is through October and early November, the blossoms lasting well into the latter month if freezing weather holds off, as it is doing this year. The flowers of this shrub are of a light yellow, not over showy, but when the leaves fall, as they usually do before the blooms fade, it is far from being an unattractive shrub. The seed pods mature the following Summer. When they burst, the shiny black seeds are propelled many feet. The Hamamelis japonica, from Japan, flowers in Spring, instead of in the Autumn, and it is a desirable species.

Japanese Blood-Leaved Maple.—The Japanese blood-leaved maple, which doubtless reaches tree size in its native country, makes but a large spreading shrub here. Because of its blood-red foliage in Spring, it is among the most popular of shrubs for early Spring effect. The unfolding leaves display a good red color, but as the leaves develop, so do the rich colorings, until, when fully expanded and of full size, there is a blaze of deep red. At this stage of development its brilliant display attracts everyone, and those not fortunate enough to possess a plant hasten to the nearest florist or nurseryman in search of what they want. Unless the plants are in pots, the would-be customer has to leave his order for Autumn filling. For some years past some nurserymen have been preparing for business by potting a number of these blood-leaved maples in the Fall. Young plants of good shape and of about 18 inches in height make desirable subjects. These will go into eight to ten-inch pots. It is much better to secure and pot them in the Fall, as the plants become settled by the time Spring comes. There is no need to force them. Any cold pit or other structure will do for the plants, so long as they do not freeze, to crack the pots. One or two plants may be advanced into leaf, to become a "show card" for the others. A plant or two set out on one's own ground, that passersby may see them, will be sure to attract attention. There are perhaps a dozen varieties of Japanese maple having in mind A. polymorphum, but none is the equal of the one spoken of—the blood-leaved, or A. polymorphum atropurpureum, as it is called. Perhaps the next best are the A. pinnatæfolium and its variety atropurpureum. These have finely divided leaves

LETTUCE PLANTS!

Fine stocky plants. Grand Rapids, Boston Market, Jennie Ball and others, 15 cts. per 100; $1.00 per 1000.

PARSLEY, large, field-grown plants. 75 cts. per 100; $5.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.
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HEADQUARTERS FOR FORCING LILIES AT PROSPERITY PRICES

BERMUDA LONCIFLORUM, 5-7, **each 2 cts.** In lots of 1000, per case 400, $9.00; 7-9, per case 200, $6.00; 9-10, (Japan), per 100, $8.00. **HARRISSI,** 9-11, per 100, $18.00; 7-9, per 200, $16.00; 5-7, per 400, $12.00. **CHINESE NARCISSUS,** per mat, 120 bulbs, $1.75; per 1000, $35.00. **DOUBLE NARCISSUS, Von Sion,** first size, per 1000, $10.00; second size, per 1000, $9.00.. **Cash with Order.**

C. H. JOOSTEN, Importer, 85 Dey St., NEW YORK.

Mention the Florists' Exchange when writing.

and are possessed of a fairly vigorous habit, which all kinds do not seem to have. The A. atropurpureum is also a blood-leaved variety, but the leaves being so finely divided the color is not so effective as in the case of the common blood-leaved sort. But this, the cut-leaved one, is a most desirable variety, and possessing as it does a somewhat drooping habit, it is finding a place in cemetery lots, a position it fills to great advantage. These three kinds are really the best of all, both for beauty, and for selling purposes.

Green-leaved Trees of Autumn.—The fact that almost all European trees hold their leaves green to the very last days of Autumn, is of importance to those who have the planting of grounds. The trees and shrubs of our own country change to beautiful colors, almost without exception. When amid a group of these an English beech, oak, or some other European tree, is set, its deep green color is a welcome addition, adding greatly to the attractiveness of the whole. Among the number of these green-leaved trees, there comes to mind as I write, the English beech, elm, oak and ash, Turkey oak, Hungarian oak, Norway maple, European field maple, sycamore maple, white birch, elder and alder. At the present writing all our native trees are changing, some are losing their leaves, but none of the European sorts gives evidence of much change. The Norway maple is showing a little yellow, but hardly noticeable alongside the sugar maple, which is now attired in bronze and yellow. The Turkey oak is a particularly beautiful tree, both for the reasons already given and for its handsome outline. The use of these green-leaved Autumn trees is well worthy the attention of planters. Nurserymen say customers often inquire for these trees.

Clematis paniculata.—Besides those grown in the field, nurserymen are adopting the plan of growing many vines and other plants in pots. Not only does this afford the chance to dispose of the plants in Summer, when there is often a quiet demand for them, but at all times the pot plant is much more sure to grow. The honeysuckle, for instance, if it has a heavy top, is much the better for a heavy pruning if dug from the ground. The pot plant needs no cutting back. Clematis paniculata is now well known, and known, too, as one of the most useful of the genera. The large-flowered kinds will always be in demand for their lovely blooms, but when a vine for shading is required, we turn from them to the division so well represented by C. paniculata. The latter may be termed a much improved C. flammula. For years the last named was the only kind that could be sold as sweet-scented. It is sweet scented, but it has not the bushy growth, lustrous leaves and profusion of flowers that characterize C. paniculata. More than one person has remarked to me that there is not the perfume to C. paniculata flowers that those of C. flammula possess. I am not prepared to decide this. I do know that C. paniculata is so nicely scented, that if a plant of it is in bloom in a garden near a roadside, the sweet odor can be detected by one driving by. C. flammula is not so surprisingly sweet. I have not a plant of flowering size now, but my recollection of a large one, which for many years covered a trellis by the side of the dwelling, is that the flowers are no more odoriferous than are those of C. paniculata. C. paniculata is a wonderful seller, as it really excels all the others of the small-flowered section. It grows readily from seed, sown in boxes in mid-Winter, and kept under the greenhouse stage till Spring, then brought up to the bench. Seedlings are better grown in pots the first year, then planted out, except those intended to be grown permanently in pots. C. paniculata flowers late in Summer, after C. flammula, C. virginiana and C. vitalba, which are of somewhat similar character. In addition to the fine display its fleecy white flowers make, the misty looking heads of seeds which follow are far from being unattractive. JOSEPH MEEHAN.

THE place to advertise Christmas Goods is in a Christmas Number — The Florists' Exchange, December 8.

Burn Fruit Trees to Destroy Scale.—In the New York Times of Saturday last appears the following item from Atlanta, Ga.: "The Department of Entomology burned 30,000 trees from a Nashville nursery yesterday, which, it is alleged, were infected with San José scale. State Entomologist Scott left this morning for Woodbury to destroy 20,000 more trees which he had collected there. The trees, it is said, have been shipped into the state without the proper certificate."



Clematis paniculata Used as a Screen Cover for Rear Portion of a House.

Reproduced by Courtesy of the New Jersey Agricultural Experiment Stations.

Pruning Evergreen Hedges.

Editor Florists' Exchange.

In your issue of the 3rd inst. I notice Mr. Ouwerkerk's article on "Pruning Evergreen Hedges," in which he says he considers my notes on the subject in a previous issue, "wide of the mark." Reading Mr. Ouwerkerk's article through carefully, and finding that on points I had touched upon, he quite agreed with me, I surmised that in my hurry I might have written something I did not mean to be so "wide of the mark." Turning to my own notes, I fail to find any words not intended. A perusal of my former article will show my points to be as follows:

1. Not to defer pruning until the approach of cold weather.

2. Clipping hedges at that time exposes the inner and weaker shoots, and sudden exposure injures them.

3. Prune twice a year, once in Spring, and again in mid-Summer.

4. Do not prune evergreens below the live foliage.

As Mr. Ouwerkerk endorses all these points in his article, excepting that he would omit arbor-vitæ from the list of evergreen hedge plants, which should not be pruned below the live foliage, it follows that if one of us is "wide of the mark," both must be. To say, as he does, that my notes are wide of the mark, and yet endorse them, is certainly paradoxical. JOSEPH MEEHAN.

Greenhouse Building at Montreal.

The large amount of added new commercial glass around this locality this year is now nearing completion, and an estimate of its possibilities can now be made. In general appearance, as well as in size and equipment, Mr. Bain takes the lead. One house, 200 x 30 x 25 feet high, is most certainly the finest example of greenhouse building in this neighborhood. This house will be used for decorative stock; this year one-half is planted with smilax, in splendid condition, the balance being filled with chrysanthemums. Two smaller houses, each 200 x 20 feet, built on the ridge and furrow plan, without partitions, are filled with roses, which despite late planting, are in a very healthy condition. A three-foot pane of glass in the outer walls of all these houses adds greatly to their appearance. Heat will be supplied by two steam boilers. The condensed steam will all drain into a central reservoir, and will be returned to the boiler by a handy little pump working at a steam pressure of four pounds. Much annoyance has been caused by the non-delivery of the ventilating apparatus, for which the order was placed with the representative of a firm across the border in the early Summer.

Bertie Graves has just about finished this year's section, consisting of three houses, each 120 x 20 feet. These houses are built on the ridge and furrow plan, but with dividing walls. The heating apparatus consists of two Daisy hot water heaters, the piping used being 2-inch malleable iron. Two of the houses are planted with carnations, which are in the very best condition. One house filled with America and Crane is a revelation. A bench of Jubilee are also good, but cannot compare with the first-named varieties. The third house is this year filled with pot plants, but will in future be planted with roses. The soil, a very rich fibrous loam, in the immediate vicinity, can be obtained in unlimited quantities. To this excellent material Mr. Graves attributes his success with carnations, and anticipates even greater success with roses. He has erected an excellent dwelling in connection with the greenhouses.

James McKenna at Côte des Neiges, has, with the exception of the ventilating apparatus, which was ordered from the same parties as Mr. Bain's, completed the first two of his new range of houses. These, too, are built on the ridge and furrow plan, and are undivided. The first house facing south has the short span in that direction; this span is pitched at a very high angle. Mr. McKenna expects that this will prevent any lodgment of snow during the Winter. These houses are each 141 x 16 feet. More of the same size will be added next year. The old place, on the roadside, will also be shifted next year to the rear of the new range, and the houses utilized for growing bedding plants for which Mr. McKenna has a very large demand. The new houses will be heated by hot water, two No. 16 Buffalo heaters working at a water pressure of 25 pounds, are already installed, and are doing excellent service. The houses are planted with carnations and chrysanthemums; considering the lateness of planting these look fine.

Logan Girdwood, the violet expert, is still very busy with the first section of his new place at Kensington, on the upper Lachine road. Mr. Girdwood has had considerable difficulty in procuring workmen, or his place would have been completed some time ago. The houses under construction are: One rose house 117 x 18 feet, three violet houses, each 117 x 10 feet; one connection house across the end, 100 x 12 feet. Next year three additional violet houses will be built. Mr. Girdwood's violets, at present out in the field, are a splendidly healthy lot of plants. They are a mass of fine flowers. The morning of my visit 20 bunches had been picked off three rows, 10 feet long, and little difference could be seen, even then, from their neighbors. Mr. Girdwood could give no explanation of his exceptional success with this specialty. He takes his stock in early Spring from both the cuttings and divisions, but will in future use cuttings exclusively. He thinks divisions are more likely to make runners than flowers. He plants them out in the field the end of June, and will in future lift and plant inside the middle of September. The varieties grown are largely Marie Louise and Imperial, with a good quantity of Lady Campbell, which variety is not profitable; also princess of Wales, California, La France and Luzonne with Admiral Avellan, a single of a reddish color. Two coil boilers supply the steam heat deccessary. B.

BRIEFS FOR BUSY FLORISTS.

ROSES.—The main feature in caring for these plants at this season of the year is to keep them clean, and to exercise care in the watering of them. To keep the fly down, there is no better plan than to have chicken wire hung along the sides of the benches, and doubled up so as to form a bag, as it were, in which can be placed fresh tobacco stems. This receptacle can be hung just inside the posts, where it is out of the way. Keeping close watch on the ventilating of the houses, and having a dab of sulphur painted here and there on the heating pipes, will keep mildew in check. Buds that form this week will make available blooms for the holidays, and, if any extra forcing is likely to be needed to have a good crop at that period, it is better to commence now, and do the forcing gradually, as running the houses at a high temperature for just a few days before Christmas is sure to result in a weak growth afterwards.

CYCLAMENS, as they come into flower, may be given a slightly cooler house, and their period of flowering lengthened thereby. If liquid manure be given at all, it must be very weak. If the plants are doing all right and throwing up flowers freely, it is better to leave well enough alone, and not attempt to feed them at all.

ROMAN HYACINTHS intended for Christmas should be brought in this week. Place them in a light shed, or in quite a cool house, for several days before putting the plants in the warm greenhouse. If the soil in which they are shows signs of worms, these can easily be got rid of by watering once or twice with lime water.

POINSETTIAS.—To keep all the leaves intact, never allow the plants to become dry. Once they wilt, some of the lower leaves will never recuperate, and the plant's beauty as a pot subject is gone. When these pots are filled with roots, they dry out very fast, therefore need looking over twice a day. Liquid manure once or twice a week will help them make large heads, and give the foliage a good color.

The Visit to Waban.

The writer having received an invitation that intimated that the chrysanthemums were in their glory at the Waban Conservatories at Natick, Mass., we in due time found ourselves in the genial company of the host of the occasion, together with Boston wholesalers, retailers and growers, with a liberal sprinkling of ex-officials of the Massachusetts commonwealth, together with a contingent from Rhode Island and New Hampshire. With Thomas Galvin, Sr., as the "grand old man," and Lawrence Cotter, as chief mourner over the remains of the late lamented W. J. Bryan, the party was a lively one.

The Waban Conservatories, taken as a whole, are no doubt the best appointed in the country, the heating system being especially complete; 1,500 tons of coal are used annually. Everybody pronounced the two new 700-foot houses—models. The chrysanthemums were there in endless variety, great frowsy headed beauties on six-foot stems, the perfect type of health and strength, and living examples of the skill of Alexander Montgomery as an expert plantsman.

Admired? You bet!! Roses? Yes, by the acre—Beauty, Kaiserin, Morgan, Liberty, Meteor, Testout, Bride and Bridesmaid, all in the pink of perfection and pride of health. The host told an illustrative story of how the roses were sometimes appreciated by unappreciative people. A party of Wall Street men were being escorted through the houses by Mr. Montgomery, when one of them observed "What a fine lot of briars you have." Tradition says that Mr. Montgomery was so disgusted with the tribute that he turned the party over to a coal heaver on the first opportunity.

A journey by stage and trolley landed the party at the famous Auburndale hotel, where the host dispensed profuse hospitality, and W. J. Stewart efficiently enacted the role of toastmaster. Eloquence was profuse, and the host was voted "all right," and they all said in song that he was "A jolly good fellow." "I tell you," said one of the party, "E. M. Wood is one of the largest hearted men in Massachusetts. Why, if he belonged to a target company, and they were out for a day's sport, and the target had been left at home, Wood would offer himself for a mark, rather than not have the fun go on." This illustration was caught on the fly as it floated through the chrysanthemums, but it may be put down as the expert opinion of a gentleman who has known the present president of the S. A. F. long and intimately.

FIVE REASONS Why You Should Place Your Orders for .... AZALEAS

With Us At Once.

BECAUSE You can still take advantage of the mild weather, and have the plants come through safely by freight.

BECAUSE We are the largest buyers of Azaleas in the world, and make personal inspection of the stocks before they are shipped to us, and buy for spot cash, which enables us to secure lowest prices, and you the benefit in quality of the plants.

BECAUSE Our importations are all repacked at our own nursery. Plants that have suffered in transit, and which are not well set with buds being discarded, you receive nothing but first-class stock, which is certain to give satisfaction.

BECAUSE We can give you any special assortment of varieties that you may wish. This is a great advantage over the usual assorted case lots, sent over from Belgium, which invariably contain many varieties not at all suited to the American market.

BECAUSE We wish to convince you, as we have convinced many of the leading florists of the United States, that you can buy Azaleas from us to better advantage than if you make your own importations.



SPECIMEN AZALEA.

Mention this paper.

PRICES.

Include duty, packing and delivery in good condition to any Express, Freight or Steamship line in Philadelphia. Fine bushy crowns, well set with buds—

10 to 12 inches in diameter	per doz.,	$4.50;	per 100,	$35.00
12 to 14 "	"	6.00;	"	45.00
14 to 16 "	"	7.50;	"	55.00
16 to 18 "	"	12.00;	"	90.00
18 to 20 "	"	25.00;	"	200.00
20 to 24 "	"	36.00;	"	300.00

HENRY A. DREER, 714 Chestnut St., Phila., Pa.

MARRIED.

CARLIN–JOHNSON.—John Carlin, with A. N. Pierson, of Cromwell, Conn., was married November 3 to Miss Anna Johnson, by the Rev. N. N. Nilsen, of the Swedish Congregational Church.

400 PRIMROSES

Fine, in 4 inch pots, $7.00 per 100. Cash.

SMILAX, 2½ inch. Sure crop for Easter. $1.00 per 100.

W. G. KRABER,

35 Tremont St., New Bedford, Mass.

Mention the Florists' Exchange when writing.

CINERARIAS

From Benary, Cannell and Sutton's prize show flowers saved, dwarf and semi-dwarf, giant flowered, finest colors and shades; 2¼-in., $2.50 per 100.

Shellroad Greenhouses, Grange P. O., Balto, Md.

Mention the Florists' Exchange when writing.

PRIMROSES!

	Per 100
Chinese Mixed, large flowering, fringed	$1 25
ASPARAGUS SPRENGERI, 2 in. pot.	2 50
ASPARAGUS PLUMOSUS, 2 "	3 50

Cash, please.

JOS. H. CUNNINGHAM, Delaware, O.

Mention the Florists' Exchange when writing.

	Per 100
Chinese Primrose, 2 inch	$2.00
Obconica Grandiflora, 2 inch	2.00
Baby Primrose, Full of bloom, 2½ in.	2.00
Browallia Gigantea, 2½ inch	3.00
Cinerarias, From flats	1.00
Calceolaria, From flats	1.00
25,000 Cannas, In leading sorts,	1.50

ADDRESS

ALFRED H. WALKER, Queens, N. Y.

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BABY PRIMROSE

About 1000 for sale, in 2½ in. pots, fine, strong plants, ready for 4 in. pots, at $3.50 per 100; or will exchange for FERNS.

NICHOLAS AMOS, Crestline, Ohio.

Mention the Florists' Exchange when writing.

PRIMROSES

	100	1000
Finest strains, separate colors, single and double, 2½ inch	$2.50	$20.00
All colors mixed	2.00	15.00

Plants are extra fine, 2½ inch.

TERMS CASH. Address

S. ALFRED BAUR, Successor to Henry Niemeyer, **Erie, Pa.**

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PRIMROSES

Primrose, latest improved large-flowering, fine plants, 2¼ inch, $1.50 per 100; 3 inch, extra large, $4.00 per 100.

Cash, please.

J. W. MILLER, Hatton, Pa.

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CYCLAMEN For Immediate Shipment.

CYCLAMEN PERSICUM SPLENDENS GIGANTEUM, finest strain in the world, in four true colors, a splendid stock of plants, well set with buds, from 3 in. pots, $7.00 per 100, $65.00 per 1000; from 4 in. pots, extra fine, in bud and bloom, $1.50 per doz.; $12.00 per 100. If you are in the market for Cyclamen Seed, let me offer you the finest strain grown, at special price, 75 cts. per 100; $5.00 per 1000, either separate or equally mixed. Experienced shippers employed. Satisfaction guaranteed.

PAUL MADER, East Stroudsburg, Pa.

Special Cash Bargains in Azalea Indica

Fresh arrival per Steamer from Belgium, in fine condition in following trade sorts:

DEUTSCHE PERLE, VERVÆNEANA, SIMON MARDNER, BERNHARD'S ANDREA ALBA SUPERBA, MME. E. VAN DER CRUYSSEN SUPERBA, EMPRESS OF INDIA.

Prices per 100. 25 at the rate per 100. Only a limited quantity to offer.

10 inch heads, $29.00; 10-12 inch, $32.00; 12 inch, 36.00.

C. H. JOOSTEN, Importer, 85 Dey St., New York.

Mention the Florists' Exchange when writing.



AZALEA INDICA

Just received a large shipment, and they turned out to be finer than ever before. The varieties are: Mme. Van der Cruyssen, B.A. Alba, Simon Mardner, Vervæneana, Empress of India, Emperor of Brazil, Prof. Walters, Niobe, Deutsche Perle, etc.

	Doz.	100	1000
8–10 inches diameter	$3.50	$27.50	$250.00
9–11 " "	4.00	30.00	285.00
10–12 " "	4.50	35.00	325.00
12–14 " "	6.00	42.50	400.00
14–16 " "	7.00	55.00	525.00
16–18 " "	12.00	90.00	

Large plants, $1.25, $1.50, $2.00, $3.00 each.

Araucaria Excelsa 3-4 tiers, doz., $9; 100, $65. 4-5 tiers, doz., $9; 100, $90. These are extra fine plants, well-furnished.

Hydrangea Otaksa Strong plants. $15.00, $20.00, $25.00 per 100.

Kentia Belmoreana and Forsteriana $12, $15, $18, $24 per doz. Extra fine stock.

BOBBINK & ATKINS, Rutherford, N. J.

Mention the Florists' Exchange when writing.

FINE PALMS

LATANIA BORBONICA, from 2½ in. pots, $4.00 per 100; 3 in. pots, $7.00 per 100; 4 in pots, $18.00 per 100; $2 40 per 12; 5 in. pots, $35 00 per 100; $1.00 per 12; 6 in. pots, $50.00 per 100; $7.25 per 12; from 8 in pots and larger, $2.50 each and upwards, according to size.

KENTIA Forsterinna and Belmoreanan, from 2½ in. pots, $3.00 per 100; 3 in. pots, strong, $15.00 per 100; 4 in. pots, $30.00 per 100; 5 in. pots, 60.00 per 100, $8.00 per 12; 6 in. pots, $15.00 per 12; from 7 in. up at $1.75 each, and more according to size.

ARECA LUTESCENS, from 2½,3 and 4 in. pots, at $5.00, $8.00 and $20 00 per 100; 6 in. pots, $40 00 per 100, $6.00 per 12. Fine stock of larger plants from $1 50 upwards. Two fine specimen plants, about 10 ft. high, for $70 00 the pair.

COCOS WEDDELIANA, from 2½ in. pots, $10.00 per 100; 4 in. pots, $25.00 per 100.

PHŒNIX RECLINATA, 4 in. pots, $20.00 per 100; 5 in. pots, $35.00 per 100, $4.50 per 12. Larger plants from $1.00 up.

PHŒNIX RUPICOLA, 6 and 7 inch pots, $1 00 to $1.50 each.

FERNS Assorted, 2½ in. pots, $3.00 per 100; 3, 4 and 5 in pots at $7.00, $12.00 and $25.00 per 100; Nice large plants, from 50 cts upwards

AZALEAS At $1.50 per 12 and upwards; fine plants in pots, including "Deutsche Perle," good for Christmas forcing.

JOHN BAUER, Troy Hill, ALLEGHENY CITY, PA.
L. D Telephone, 872a.

Mention the Florists' Exchange when writing.

50,000 BOSTON FERNS

I Make a Specialty of

N. EXALTATA BOSTONIENSIS

Small plants, $4.00 per 100 or $30.00 per 1000; large plants, $6.00 to $20.00 per 100; taken from the bench.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 5 in. pots, $8.00 per doz.; 6 in. pots, from $1.00 to $1.50 each; 7 in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 in. pots, $3.00 and $4.00 per doz.

Asparagus Plumosus, 3½ in. pots, $10.00 per 100.

Araucaria Excelsa, 20 to 24 in. high, 5 to 6 tiers, 6 in. pots, $1.50 each; larger size, $2 00 each.

Rubber Plants, 20 to 32 in. high, $5.00 to $9.00 per doz.

Chinese Primroses, 3½ inch pots, $6.00 per 100; 5 in. pots, bud or bloom, $12.00 per 100.

Cyclamen, 3½ to 8 in. pots, $2.00 to $6.00 per doz

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. **Connected with Telephone.**

Mention the Florists' Exchange when writing.

ARECA LUTESCENS

3 plants, 6 inch pot, 24 to 28 inches.....$12.00 per doz.; $100.00 per 100.
3 plants, 8 inch pot, 36 inches.....$5.00 each; $36.00 per dozen.

COCOS WEDDELIANA.

1 plant, 2½ in. pot, 8 to 10 in. high	$15.00 per 100.
1 plant, 3 in. pot, 10 to 12 in. high	20.00 per 100.
1 plant, 4 in. pot, 18 in. high	.50 each.
3 plants, 5 in. pot, 18 in. high	1.00 each.

KENTIA BELMOREANA.

	Per doz.	Per 100
4 in. pot, 6 to 6 leaves, 15 in. high	$1 50	$35 00
6 in. pot, 6 leaves, 24 in. high	15 00	125 00
8 in pot, 6 to 7 leaves, 30 to 32 in. high	each, $3 00	

KENTIA FORSTERIANA.

	Per doz.	Per 100
4 in. pot, 4 to 5 leaves, 15 in. high	$4 50	$35 00
	Each	Doz.
8 in. pot, 8 leaves, 36 to 40 in. high	$3 00	$36 00
8 in. pot, 8 leaves, 48 to 50 in. high	4 00	48 00
6 in. pot, 5 leaves, 24 to 28 in. high	1 00	12 00
6 in. pot, 8 to 8 leaves, 30 in. high	1 25	15 00

All in perfect form and entirely free from insects or blemishes of any kind

All measurement from top of pot.

JOSEPH HEACOCK, - Wyncote, Pa.

Mention the Florists' Exchange when writing.

40,000
Kentias, Belmoreana and Forsteriana

Clean well grown stock in best market sizes—$35, $50, $75 and $100 per 100. See our wholesale list for sizes.

AZALEAS, Bushy Crowns well set with Buds.

10 to 12 inches in diameter.....$35 per 100 14 to 16 inches in diameter.....$50 per 100
12 to 14 inches in diameter..... 45 per 100 16 to 18 inches in diameter..... 12 per doz

ASPARAGUS PLUMOSUS NANUS.

Strong 2½ in. pots ready for shifting into 3 in...$5 per 100 Strong 3 in. pots....$8 per 100
Asparagus Sprengerii—2½ in..$5 per 100 *Asparagus Sprengerii*—3 in..$7 per 100

BOSTON FERNS.

Strong 2½ in. pot plants.....$40 per 1000 Strong 4 in. pot plants... .....$15 per 100
Strong 5 in. pot plants..... .....$4 per dozen

ROSES.

Strong two-year field grown. Excellent stock for forcing for Easter and Spring sales.
Crimson Ramblers—Extra strong, with canes 3 to 5 feet long.....$12 per 100 $100 per 1000.
Hybrid Perpetual—Large assortment of best forcing varieties.....$10 per 100 $90 per 1000.

Full assortment of French and Holland bulbs, Hardy Herbaceous Plants, Shrubs and Ornamental Trees.

THE STORRS & HARRISON CO., Painesville, Ohio.

A Few Good Things You Want

KENTIA BELMOREANA and **FORSTERIANA,** 2¼ in., 10c.; 3 in., 18c.; 4 in., 25c.; 5 in., 50c. each.

ARECA LUTESCENS, 3 in., 9 plants to pot, 18c.; 4 in., 25c. each. All cool grown, nice clean stock, and cannot be duplicated anywhere for the money.

BOSTON FERN, 3 in., $8.00; 4 in., $15.00; 5 in., $30.00 per 100.

SWORD FERN, Nephrolepis Cordata Compacta, 2½ in., $3.00 per 100.

SMILAX, 2 in., $2.00 per 100.

ROSE BRIDESMAID, 3 in., $5.00 per 100.

REX BEGONIA, finest varieties, 2½ in., $4.00; 5 in., $6.00 per 100.

GERANIUMS, double and single, Grant, Mme. Bruant, Mrs E. G. Hill, Poitevine, Bonnat and S. A. Nutt, 3 in., $5.00 per 100.

CAMPBELL VIOLET and **VINCA VAR.,** 2½ in., $3.00 per 100.

PRIMULA CHINENSIS, 2 inch, $3.00; 3 inch, $4.00 per 100.

CYCLAMEN GIGANTEUM, 2½ inch, $4.00; 3 inch, $8.00 per 100.

ASPARAGUS Sprengeri and **Plumosus,** 2 in., $5.00; 3 in., $8.00 per 100. Cash with order.

Will exchange any of above for good field-grown plants of Flora Hill Carnation.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

THESE plants have a long thrifty growth and are ready for a shift or immediate sale. They have been grown cool and can be safely shipped to any part of the country.

Boston Fern. From 2½ inch pots, $3.00 per 100; $25.00 per 1000.

Asparagus Sprengeri. From 2½ inch pots, $2.50 per 100; $20.00 per 100. From 4 in. pots, $1.00 per doz., $8.00 per 100.

Asparagus P. Nanus. From 4 in. pots, $1.00 per doz., $8.00 per 100.

Asparagus Tenuissimus. Nice 2½ in. plants, $3 a 100.

Umbrella Plants. 2½ in., $2.50 per 100.

Cycas Revoluta. 7 to 10 leaves. $1.00 each.

Boston Ivy. (A. Veitchii.) Pot grown, $3.00 per 100; $25.00 per 1000.

200,000 Roses. From 2½ inch pots, $2 50 per 100; $20.00 per 1000.
Golden Gate, Crimson Rambler, La France, Striped La France, White La France, Morella, Bride, Maid, Etoile de Lyon, Meteor, White Maman Cochet, Marechal Niel, Pink Maman Cochet, C. Soupert, Pink Soupert, The Queen, Moriel Graham, Burbank, Marie Von Hontte, Gen. Lee, Mrs. Degraw, P. Fere, Abel Chatenay, Caroline Marniesse, Yellow Rambler, Empress of China.

Large 2-year-old H. P. Roses, well-branched, shapely plants, average 18 inches high, $1.00 per doz.; $8.00 per 100. Gen. Jacq., Dinsmore, Paul Neyron, Magna Charta, Mme. Masson, Vick's Caprice.

Cash With Order, Please.

THE JOHN A. DOYLE CO., Springfield Ohio.

Mention the Florists' Exchange when writing.

NOTICE—All Plants Shipped in Cold Weather ARE SENT AT BUYER'S RISK.

TO INSURE SAFE ARRIVAL OF PLANTS customers should give route by which they should be shipped, and at the same time notify Agent at his end of line to place box in warm room until purchaser can be notified.



NEPHROLEPIS WITTBOLDII.
Strong plants from bench, ready for 3 inch pots, $1.00 each; $10.00 per Doz.; $75.00 per 100.

Kentias.

Varieties.	Size Pot.	Height Ins.	No. Leaves.	Each.	Per Doz.	Per 100
Belmoreana, 2½	3 to 9	3 to 4		$	$ 1.50	$12.00
Belmoreana, 3	10 to 12	4 to 5			2.00	15.00
Belmoreana, 3½	12 to 14	5 to 6		.25	3.00	20.00
Belmoreana, 4	14 to 16	5 to 7		.40	4.00	30.00
Belmoreana, 5	16 to 20	5 to 6		.75	7.20	60.00
" strong, 5	18 to 24	5 to 7		1.00	12.00	90.00
Belmoreana, 6	20 to 22	6 to 7		1.25	15.00	125.00
" strong, 6	26 to 28	6 to 7		1.50	18.00	160.00
Relmoreana, 7	36 to 40	6 to 7		2.25	27.00	200 00
Forsteriana, 2½	3 to 9	3 to 4			1.50	12.00
Forsteriana, 3	10 to 12	4 to 5			2.00	15.00
Forsteriana, 3½	12 to 14	5 to 6		.25	3.00	20.00
Forsteriana, 4	14 to 16	5 to 7		.40	4.00	30.00
Forsteriana, 5	20 to 24	5 to 6		.75	7.20	60.00
" strong, 5	22 to 26	5 to 6		1.00	12.00	90.00
Forsteriana, 6	28 to 30	5 to 6		1.25	15.00	125.00
" strong, 6	30 to 34	6 to 7		1.50	18.00	180.00
Forsteriana, 8	44 to 50	6		3.25	39.00	300.00

Latanias.

Borbonica,	2¼	3		.60	5.00
Borbonica,	3	12	5 to 6	1.00	6.00
Borbonica,	3½	12 to 15	5 to 6	.15	1.50	12.0
Borbonica,	4	15 to 18	5 to 7	.25	8.00	20 00
Borbonica,	5	18 to 22	6 to 7	.50	5.00	35.00
Borbonica,	8	20 to 24	6 to 8	.80	8.00	50.00

Variety.	Size Pot.	Height, Plants Ins.	in pot.	Per Doz.	Per 100
Areca Lutescens, 2¼	5 to 6	3		$1.00	$8.00
Areca Lutescens, 3½	12 to 14	3	Ea.	2.00	15.00
Areca Lutescens, 4	15 to 18	3	$0.25	3.00	25.00

Asparagus.

Varieties.	Size pot.	Per Doz.	Per 100
Asparagus Plumosus Nanus	4 in.	$1.50	$12.00
Asparagus Sprengeri	2 in.	.50	4.00
Asparagus Sprengeri	4 in.	1.50	12.00
Asparagus Sprengeri	6 in.	5.00	
Asparagus Sprengeri	8 in.	10.00	

The several sizes of Asparagus Sprengeri are especially strong and large value.

Ferns.

Varieties.	Size pot.	Per Doz.	Per 100
Pteris Serrulata	2 in.	$0.50	$4.00
Pteris Umbrosa	2 in.	.50	4.00
Cyrtomium Falcatum	2 in.		4.00
Cyrtomium Falcatum	3 in.	1.90	8.00
Cyrtomium Falcatum	4 in.	1.50	10.00
Nephrolepis Exaltata	5 in.	2.00	15.00
Nephrolepis Bostoniensis	2 in.		4.00
Nephrolepis Bostoniensis	6 in.	5.00	
Nephrolepis Cordata Compacta, fine plants	6 in.	4.00	30.00
Nephrolepis Cordata Compacta, fine plants	5 in.	2.00	15.00
Pteris Cretica albo-lineata	2 in.		4.00

Miscellaneous.

	Each
Araucaria Excelsa, 3 inch, nice plants	$0.50
Araucaria Excelsa, 4 inch, nice plants	.75
Araucaria Excelsa, 5 inch, nice plants	1.00
Corypha Gebangs, 3 in., 5 to 6 leaves, $3 per doz.	
Curculigo Recurvata, 4 inch	$2.00 per doz.
Curculigo Recurvata, 5 inch	$4.00 per doz.
Cyperus Alterolfolius, 4 in	$1.00 per doz.
Cyperus Alternifolius, 5 in	$1.50 per doz.
Dracæna Terminalis, 3 in	$2.00 per doz.
Dracæna Terminalis, 4 in	$4.00 per doz.
Dracæna Terminalis, 5 in	$6.00 per doz.
English Ivy, strong, 4 in	$2.00 per doz.
English Ivy, strong, 5 in	$3.00 per doz.

	Pot	Height	Leaves	Each	Doz.	100
Aspidistra Lurida, 5	15-20	8-12	5(c.	$6.00		
Cocos Weddeliana 3				25c.	2.00	15.00
Ficus Elastica	6	22-23	12-14	75c.	7.20	$50.00
Ficus Elastica	7	24-28	14-16		10.00	75.00
Ficus Elastica	8	28-34	16-18		12.00	100.00
Maranta Kerchoviana	3½				2.00	
Pandanus Utilis	2½	8- 8	10-12		1.00	8.00
Pandanus Utilis	3	6-10	12-15		2.00	15.00
Pandanus Veitchii.	8			$3.00	36.00	
Pandanus Veitchii, extra fine	6				18.00	
Peperomia Argyræa			4		2.00	
Peperonica Peltata			4		2.00	
Phœnix Reclinata.	3		4- 6		1.50	10.00
Phœnix Canariensis	3		4- 6		1.50	10.00
Phœnix Reclinata.	10	40-45	6- 8	8.50		Doz.
Sanseviera Java. Var., 2 in., strong plants						$0.60
Sanseviera Java. Var., 3 in., strong plants						1.20
Sanseviera Java. Var., 4 in., strong plants						2.00
Zingiber Officinale (Ginger Plant), 4 in						2.00
Zingiber " " "				5 in		3.00

THE GEO. WITTBOLD CO., Palms and Ferns, 1657 Buckingham Place, Chicago, Ill.

Mention this paper.

Great Sale of **ORCHIDS!! FLORISTS!! ORCHIDS!!**

1000

CATTLEYAS

Offered by Western and Eastern Growers.

In the finest health and condition, full of green foliage, and many with flower sheaths to bloom during the coming Winter, in such popular varieties as

CATTLEYA TRIANÆ, C. LABIATA, C. PERCIVALIANA, C. LAWRENCEANA, C. HARRISONIÆ, C. GIGAS, C. BOWRINGEANA, together with fine plants of **CYPRIPEDIUMS, DENDROBIUMS, LÆLIA ELEGANS** and **L. PERRINI, CALANTHES** ready to flower, **and many rare kinds.**

The above all in fine order, and will be found a splendid opportunity for growers of these popular plants to secure a stock of really well-grown plants, which

CLEARY & CO., Auctioneers, 60 Vesey Street, **New York**

Will Sell

NOVEMBER 23, 1900, at 12 Noon.

Catalogues on Application.

Mention the Florists' Exchange when writing.

The Chrysanthemum—From a Commission Man's Standpoint.

Read before the Philadelphia Florists' Club, November 6, by Samuel S. Pennock.

The value of the chrysanthemum for all purposes is well recognized. As a showy and handsome decorative flower, the Queen of Autumn has no peer. No flower can be had that will make the elaborate display and give the value that the chrysanthemum does in decorations generally. Every one waits anxiously for the first bloom of the season to arrive. Each dealer tries to outdo his neighbor in securing the first cut and, naturally, pays an extra price for it. Blooms that will hardly be noticed later in the season bring fancy prices. Some one color, owing to a temporary demand for it, will cause the price to advance, while some particular occasion, such as an important football game, will produce a similar result. With the advent of October we look for the first blooms. The season, which runs for two months, is generally terminated by the Thanksgiving trade, which is improving each year.

Some authorities claim that the best paying varieties are the early ones, while others contend the late kinds are preferable. Solid colors, not mixed ones, are the best sellers. Among these the yellow and white predominate, with pink coming next. The best results can be obtained from a limited number of varieties, say six or a dozen, giving a succession of bloom throughout the season in the colors mentioned. The incurved varieties are the best commercially, as they stand more abuse and do not drop their petals, or wilt so easily. With the most careful handling the ragged ones do not carry at all well.

Both as a cut flower and as a pot plant, the variety Ivory has no equal as an all-round commercial sort. There are hundreds of varieties that might be mentioned. Among them are the following: Willowbrook, an early white; Lady Harriett, an early pink; October Sunshine, a very pleasing yellow, blooming about the same time as Whilldin; R. Hooper Pearson, fine, large, stiff-stemmed yellow, following Whilldin; Mrs. Trenor L. Park, a fine yellow; Florence Harris, a very pretty shade of yellow, good size, with long, stiff stem; Mrs. Geo. W. Childs, a good red; Pink Ivory, Major Bonnaffon, Maud Dean, Jerome Jones, Robinson, Viviand-Morel and Modesto. Maud Dean is certainly about the best all-round pink as a money earner. Mrs. Perrin, for a pleasing and beautiful shade of pink, cannot be equaled; but it is not profitable, from a grower's standpoint, on account of a large percentage of the blooms coming disfigured in spite of all the grower can do.

Well grown stock is ofttimes spoiled by being cut prematurely or allowed to remain too long on the plant; and the same difficulty results from improper care in handling between the time of cutting and delivery to the dealer. The attention of growers is particularly called to both of these difficulties, for in them lies a prolific source of the causes leading to poor returns.

All flowers should be put in water immediately after cutting, and set in a cool place for from three to eight hours previous to packing and shipping. This treatment will harden the blooms with far better and more lasting results than if they are placed in water some time after being cut. A flower is always in better condition to absorb water at this than any other time. If once allowed to wilt, it will never quite regain its original beauty and its keeping qualities will have become very much impaired.

An equally important matter is that of proper packing. Here the grower will ofttimes endeavor to save expressage by crowding the flowers into a box not large enough to properly accommodate them. This is always a short-sighted procedure, for the damage resulting therefrom will often amount to several times the expressage.

A great source of comfort to the flower man is cool weather. There is then much more satisfaction in handling the cut blooms. They are more crisp, are firmer in texture and give better results in every way.

One objection that is often advanced against the chrysanthemum is that so much is given for value received, and that this lessens the demand for other flowers, roses, carnations, etc., often going begging during the reign of the autumn beauty. Those who grow other flowers, either from preference or force of circumstances, are more than satisfied when the chrysanthemum season has drawn to a close. Indeed, there are often other people who are also glad when the end is in sight. Both retailers and wholesalers have been known to express their views in this respect very decidedly, wishing the "mums" had never been "invented." But for all this, the flowers have their place and are here to stay.

It may not be amiss at this point to note that the facility with which the purchaser may reach a large stock of the flowers is, from all points of view, a very important consideration. This purpose is best served by the accommodation, room and ease of distribution with which the wholesaler can supply, together with his ability to have the flowers always on hand. In the matter of distribution, attention is properly called to the fact that the location which he is able to and does invariably select, is one that is within easy reach of the grower and retailer alike, both at home and abroad. This benefit cannot be overestimated and vastly exceeds any which could possibly be the outcome of conditions from which the presence of our commission man would be eliminated. The chrysanthemum, being large and bulky, necessarily requires ample room. In the wholesale establishment can be congregated large quantities of bloom of every kind sufficient to meet all demands on short notice. To it can come the purchasers, who, for these very reasons, can invariably find what they wish, when, did the commission man not exist, it would be impossible on many occasions for buyers to be satisfied. The commission man is the agent of grower and purchaser, and it is to his interest that both parties should be properly served. His ability in this direction also largely arises from the fact that he possesses peculiar advantages in the matter of keeping in touch with the market, and such ability as he has must, from the very nature of his business, be absolutely at the disposal of those for whom he acts.

Having considered the Queen of Autumn from these various points of view, we come naturally to the question, "What means are we to employ in the proper placing of our product before the public for the purpose of sale?" The answer is plain: "By judicious advertising and display." This is to-day largely accomplished by business cards and descriptions inserted in the papers and periodicals so as to quickly catch the eye and appeal to the intelligence of the reader.

Another source of success in this direction are the store and window decorations, which are used to such good effect by the dealers, who are constantly exercising that keen intelligence and artistic taste for which they are noted.

We have brought to our minds very forcibly at this season of the year the fact that this purpose is also accomplished in a most admirable manner by the chrysanthemum show, which presents to view all the bravery of resplendent color and beautiful form, attracting the people as no other display of flowers can. What grander and more picturesque sight is there than our annual fall show? This institution is a wonderful benefit to the flower interests in general. It induces curiosity, starts the community to talking, is educating in its effect, and leads to purchases which otherwise never would be made. Each and every florist should do all in his power to foster and encourage these exhibitions. A successful show means far more to the flower trade than can be estimated. Judicious advertising by this means is a paying investment, and is sooner or later sure to be productive of good results.

As to the advancement made in the cultivation and perfection of this flower, we now have varieties of size and quality of which we never dreamed fifteen years ago. As time goes on we shall all be striving and struggling as we have heretofore done. As the past has been so full of benefits unforseen, may we look forward not only to retaining the glory which we have won, but to the winning of new laurels in fields ever new and broadening. The bloom which now is receiving our tenderest care has returned to us full benefits. Let us not be slow in recognizing the goodness of a beneficent Providence and in return show our appreciation by adding to the talent with which we have been entrusted.

THE CHICAGO FLOWER SHOW.

(Concluded.)

The exhibition improved from day to day by the additions of the various specialties for which prizes were offered and which are absolutely necessary where a five-day show is held. Then, again, the custom in these Chicago exhibitions of re-arranging, and changing the smaller exhibits from place to place, no doubt adds greatly to the general effect.

ROSES.

Wednesday was rose day. Although the competition was smaller than it should have been, the exhibits staged were particularly fine. The South Park Floral Co., of Marion, Ind., and Bassett & Washburn, Chicago, were the largest exhibitors. For some time past in this market, a new French rose, under number 19, of the Beauty type, has created some stir. It was staged at the show, by E. G. Hill & Co., Bassett & Washburn, and the South Park Floral Co., and has been christened Marquis de Litta. The vase of Bassett & Washburn won the special prize of a silver cup, offered by Mr. C. D. Peacock, of this city. The variety looks as though it would be a good market rose. It is lighter in color and longer in bud than Beauty, the petals spreading in the bud, and being of a slightly crinkly character. Some contend it is more like the old Jacq.; but we ourselves fail to see it in this light. The vase of Liberty, shown by Bassett & Washburn, had three-foot stems, and were good.

The new rose, Queen of Edgely, was staged for display only, by the Floral Exchange, Philadelphia, and was an attractive exhibit throughout the entire show.

CARNATIONS.

Thursday was carnation day, and proved a hummer, there being 74 vases of flowers, all of good exhibition quality. Bassett & Washburn, the Chicago Carnation Co., and Anton Then, were the largest exhibitors. R. Witterstaetter, Sedamsville, O., staged for exhibition only, 100 blooms of Enquirer. There is no question about this being a grand variety. Some immense long-stemmed White Cloud and G. H. Crane (the cream of the flock, both with 4-foot stems) were exhibited. Other notable carnation flowers were: Flora Hill, Triumph, Mrs. George M. Bradt, Chicago, The Marquis, the pink sport of Armazindy, from Wietor Bros., and the Guardian Angel Orphan Asylum; Chicago Carnation Co.'s new variety J. K. Robinson, of the Bradt type, but lighter; Mrs. Lawson, Mrs. James Dean, a glorious vase of Dorothy, from its originator, Mrs. E. T. Graves; Maceo and Gomez. A fine vase of the dark variety Governor Roosevelt, from the Cottage Gardens, Queens, L. I., found many admirers. Mary Wood was good among whites. Gold Nugget was the only yellow.

SPECIAL EXHIBITS.

For Friday the special exhibits added greatly to the display. In the class for best vase of roses arranged for effect, three noble 5-foot vases of American Beauty were staged.

The three entries for best vase of chrysanthemums arranged for effect, were also excellent. John Mangel had yellow J. Jones, A. Langes' vase contained Golden Wedding; Anderson Floral Co.'s the same variety.

THE C. S. A. TROPHY.

The Chrysanthemum Society of America's prize of a silver cup, for the best 10 blooms of chrysanthemums, any variety, brought out quite a competition. The Hindsdale Rose Co., showed Jerome Jones; Anton Then, a canary-yellow sport of Frank Hardy, well done; John N. May, Yanariva, a very delicate pink, of the Morel type, quite distinct from anything else. A. Herrington had an immense 13¾-inch flower, incurved, white, named Mme. Dels. Otto Spiedel, gardener to Mrs. P. D. Armour, Jr., showed Mrs. John J. Glessner very well done. It was left to Miller & Sons, Bracondale, Canada, with their new incurved white, Timothy Eaton, to carry off the honors. This is a highly finished flower, of the keeping type, 13½ inches over all, with a depth of six inches. It deservedly won the C. S. A. trophy. Nathan Smith & Son, Adrian, Mich., exhibited an incurved yellow, of the Bonnaffon type, pressing hard on the heels of Col. D. Appleton; parentage, George W. Childs, under No. 53-1. Gunner Thellmann staged some splendid Major Bonnaffon.

John N. May, Summit, N. J., exhibited 10" seedlag pompons, of very beautiful types and markings, named Nydia, white; Zero, Nita, a fine pink; Vico, another shade of pink; Dazzle, Elko, small white; Zenta, deep red; Utan, splendid shade of pink, with white center; Yerza, shade of delicate pink, Garda, daisy-like white; Orea, Novia, Acto, the best of the lot in pink, and Vera, a white.

THE SEEDLINGS.

Saturday was seedling day, but did not bring out a very extensive exhibit. Among chrysanthemums there came from Lincoln Park three varieties not for competition—Mrs. F. H. Gansberger, whorled white, Mrs. P. W. Woodworth, reflexed Japanese pink; and Mrs. J. H. Charman, broad petalled, reflexed pink. J. C. Vaughan staged three flowers of Halowarden, a broad petalled Chinese, reddish pink, that seems to have merit. May's, Yanariva, and Mirabeau, a straw yellow of the Bonnaffon type, were also shown. Fred J. Wells, of the C. B. & Q. greenhouses, at Aurora, Ill., had a delicate incurved white, of the Bonnaffon type, but the flowers were better earlier.

In carnations Crabb & Hunter, Grand Rapids, staged a light pink, and, for exhibition only, a fine vase of Irene. H. Weber & Son sent No. 11, a most delicate bright clear pink. Mrs. Graves exhibited Dorothy. A vase of Prosperity was shown in good form, by Dailledouze Bros., Flatbush.

MISCELLANEOUS DISPLAYS.

J. C. Vaughan had a vase of new cannas, Ch. Molin, a salmon pink; Red Indian (his own seedling), brick red; Harlequin, Souv. de Mme. Nardy, very conspicuous, of the Florence Vaughan type; La Patrie, light brick red, Victory, his own seedling, deep pink, splashed on edges with yellow, and others. Bassett & Washburn had a fine palm, Chamædorea Giesbreightii; Mrs. P. D. Armour, a very fine Acalypha Sanderii; Anton Then, a bush of California navel orange, with several full sized fruits; the Witthold Co., a pair of elegant hanging baskets of the Boston fern, eight feet high and through. E. Wienhoeber, had a splendid vase of chrysanthemums in his exhibit.

The concession for sale of cut flowers was placed at the disposal of the Chicago Florists' Club, the proceeds going to the Galveston Florists' fund. P. J. Hauswirth was in charge of the booth, and was ably assisted by Mrs. Hauswirth, Miss Annie Kreitling and Phil's staff. All the flowers were donated by the growers. The sales netted over $260 for the fund.

The retail floral displays were extremely attractive. The contestants were E. Wienhoeber, A. Lange, J. Mangel and the George Wittbold Co. Not less than $50 a day, each, was spent in these displays, in plants and flowers, which included the best of everything used.

The judges appear to have given general satisfaction.

Visitors to the show were numerous, among them, Arthur Newell and Sam Murray, Kansas City, Mo.; J. C. Rennison, Sioux City, Iowa; William Dittmann, New Castle, Ind; Henry C. Geiger, Philadelphia; W. G. Crowe, Utica; John Fotheringham, Tarrytown; Patrick O'Mara, New York; John N. May, Summit, N. J.; H. Weber, Oakland, Md.; Fred Lemon, Richmond; H. Heller, New Castle, Ind.; Walter Mott, Philadelphia; I. L. Pillsbury, Galesburgh, Ill.; Otto Spedel, Oconomowoc, Wis.; Alex. Milne, Fairbury, Ill.; Fred Burkl, Bellevue, Pa.; William Kemble, Oskaloosa, Ia.; Joseph Reeves, Peoria, Ill.; George Pastor, Huntington, Ind.; C. C. Pollworth, Alex. Klokner, W. A. Kennedy, Max Reitz, Nic Zweifel, F. Holton, H. Hunkel, Mrs. Jose Siebert, C. B. Whitnall, William Edlelsen, F. Hesse and O. Sylvester, all from Milwaukee, Wis.; John Bertermann, Indianapolis, Ind.; George A. Rackham and Harry Balsley, Detroit, Mich.; George A. Kuhl, Pekin; Elmer E. Boynton, Sycamore, Ill.; J. J. Hess, Omaha, Neb.; J. A. Evans and E. G. Hill, Richmond, Ind.; G. F. Crabb and wife, Grand Rapids, Mich.; Gunner Thellmann, Marion, Ind.; J. Killen, New York; Eli Cross, Grand Rapids, Mich.; Mrs. Vesey, Fort Wayne, Ind.; A. C. Brown, Springfield, Ill.; A. H. Bunde and wife, St. Paul, Minn.; Elmer D. Smith and wife, Adrian, Mich.; E. Giesy, Lockland, O.; A. S. Swanson, St. Paul, Minn.; Fred Dorner, Jr., and Fred Hudson, Lafayette, Ind. Ess.



First Prize Grafted Chrysanthemum (51 sorts).

Exhibited by J. C. Vaughan, at Chicago Show.

FURTHER AWARDS.

Roses.

Twenty-five any other variety. First, Peter Reioberg, with Liberty; second, Bassett & Washburn, with Golden Gate

Twelve Kaiserin Augusta Victoria. First, Guardiac Angel Grphan Asylum, Chicago.

Twelve Bridesmaid. Second, W. W. Coles, Kokomo, Ind.

Twelve Perle. First, Peter Reinberg.

Twelve blooms of a new rose never before exhibited in this country. Special trophy of silver cup, offered by Mr C. D. Peacock. Won by Bassett & Washburo, for No. 19. The rose was christened "Marquis de Litta."

Twenty-five Liberty. First, Bassett & Washburn; second, E. G. Hill & Co., Richmond, Ind.

The judges awarded honorable mention for a vase of the new rose, Queen of Edgely, grown by the Floral Exchange, Philadelphia, Pa.

Honorable mention also given to Frank R. Chandler for a specimen of coffee plant; special mention for a group of crotons and other ornamental plants, and honorable mention for a fine specimen of phyllanthus, and a small group of ornamental foliage plants.

Mrs. Geo. M. Pullman was awarded a certificate of merit for palms and foliage plants, and Anton Theo's California navel orange, in fruit, was awarded honorable mention.

Cut Flowers—Carnations.

WHITE VARIETIES.

Fifty Flora Hill. First, Bassett & Washburn; second, Anton Theo.

Fifty White Cloud. First, Bassett & Washburn; second, Chicago Carnation Co.

Fifty Mary Wood. First, Bassett & Washburo.

Fifty any other variety, white. First, W. J. & M. S. Vesey, Ft. Wayne, Ind., with Evelina; second, Mrs. A. M. Schaefer, Chicago, with McGowan.

RED VARIETIES.

Fifty America. First, Bassett & Washburn; second, Wietor Bros.

Fifty G. H Crane. First, Chicago Carnation Co.; second, Bassett & Washburn.

Any other red variety. First, Bassett & Washburn, with Red Bradt; second, Anton Then, with same variety.

CRIMSON VARIETIES.

Fifty Maceo. First, Bassett & Washburn; second, Chicago Carnation Co.

PINK VARIETIES.

Fifty Cerise Queen. First, Bassett & Washburn.

Fifty Argyle First, Anton Then.

Fifty Mrs. Francis Joost. First, Chicago Carnation Co; second, Bassett & Washburn.

Fifty Mrs. Jas. Dean. First, Bassett & Washburn.

Fifty Daybreak. First, Anton Then; second, W. P. Harvey, Geneva, Ill.

Fifty Triumph. First, Wietor Bros.; second, W. J & M S. Vesey.

Fifty any other pink not lighter in color than Scott. First, Guardian Angel Orphan Asylum, with pink Armazindy, second, Wietor Bros., with same variety.

Fifty any other pink lighter in color than Scott. First, Chicago Carnation Co., with The Marquis second, Bassett & Washburn, with same variety.

STRIPED VARIETIES.

Fifty Armazindy—First, Guardian Angel Grphan Asylum.

Fifty Mrs. Geo M. Bradt. First, Bassett & Washburn; second, Chicago Carnation Co.

Fifty any other striped, except those with yellow ground. First, Bassett & Washburn, with Morning Glory; second, Chicago Carnation Co.

YELLOW VARIETIES.

Fifty Gold Nugget. First, Bassett & Washburn; second, Chicago Carnation Co.

NEW VARIETIES. INTRODUCTIONS OF 1900.

Twenty-five pink, not lighter in color than Scott. First, Chicago Carnation Co., with Mrs. Thomas W Lawson; second, Bassett & Washburn, with same variety.

Twenty-five pink, lighter in color than Scott. First, Bassett & Washburn, with Morning Glory; second, Chicago Carnation Co., with The Marquis.

Twenty-five any other color. First, Bassett & Washburn, with G. H. Crane

One hundred blooms, one variety, seedlings admissible. Prize, silver cup, valued at $25.00. Won by Bassett & Washburn, with G H. Crane.

The judges recommended a certificate of merit to Dorothy, a carnation exhibited by Mrs. E T Graves, Richmond, Ind.; and honorable mention was awarded for 100 blooms of Enquirer, exhibited by R. Witterstaetter, Sedamsville, O.

In final contest (best display by retail florists) J. Mangel secured the highest number of points; E. Weinhoeber, second; A. Lange, third; Geo. Wittbold Co., fourth.

In dinner table decorations: Anderson Floral Co., first; J. Mangel, second, and A. Lange, third.

In the contest for the silver cup offered by the Chrysanthemum Society of America for the best 10 blooms of any variety, the judges awarded the trophy to Miller & Son, Toronto, Canada, for their exhibit of magnificent specimens of Tim thy Eaton. This chrysanthemum is pure white in color and of perfect form, foliage and petalage.

CERTIFICATES.

Certificates of merit were given to N. Smith & Son, Adrian, Mich., for Mrs. Elmer D. Smith, yellow; John N May, Summit, N. J., for Yanariva, a blush-pink bloom; and A. Herrington Madison, N J., for an immense white flower 14 inches in diameter, called Madam Dels.

Certificates of merit were awarded to C. W. Ward, Queens, N. Y., for Gov. Roosevelt carnation; John N. May, for a collection of pompon chrysanthemums; Nathan Smith & Son, same.

VIOLETS.

Eli Cross, Grand Rapids, Mich., won first prize for the best display of cut violets; the second prize went to Crabb & Hunter, Grand Rapids.

For the best 10 violet plants, in pots, not over 10 inches in diameter, first prize was given to Crabb & Hunter, and second to Eli Cross.

RETAIL DISPLAY.

The ladies' award committee, of which Mrs. J. J. Glessner is chairman judged the bridal bouquets, chrysanthemum vases, rose vases, box decorations, as well as the dinner table decorations, and awarded first and second premiums for best vase of roses arranged for effect to John Mangel and South Park Floral Co., Newcastle, Ind.

Best vase of chrysanthemums arranged for effect. First, John Mangel, Chicago; second, Anderson Floral Co

Best bridal bouquet. John Mangel and the Anderson Floral Company scored an equal number of points by vote of the judges, and first and second prizes, $25.00 and $15.00, were divided between both contestants.

SEEDLINGS.

Ten blooms other than bronze, red, pink, yellow and white. Won by John N. May for Yanariva. Mr. May was the only exhibitor in the cut chrysanthemum seedling classes who received a silver medal.

Twenty blooms pink carnations lighter in color than Wm. Scott. H. Weber & Son, Oakland, Md., silver medal.

DECORATIVE COMPETITIONS.

In the box display competition, which has proved to be one of the most interesting features of the week at the show, E. Wienhoeber was awarded first prize, $100; and J. Mangel, second, of $70.

The ladies' award committee, which judged the table decorations, decided that the Anderson Floral Co. was entitled to first prize, a sterling silver service valued at $125; A. Lange, second, cut glass florists' vase valued at $90; and J. Mangel, third, cash $60.

A Grafted Chrysanthemum, with fifty-one Sorts.

The illustration herewith is an excellent representation of the prize grafted chrysanthemum staged by J. C. Vaughan, at the late Chicago flower show, and the best plant of its kind ever exhibited in that city. The stock plant, grown to single stem, in a 10-inch pot, is the variety, The Bard, which had ingeniously been left with shoots enough to form a ground work into which were grafted the varieties named below. The plant showed, one face, in half balloon form, seven feet wide by about five feet high, and a foot above the pot, showing single stem.

The varieties grafted were: Beauty of Truro, Black Hawk, Enfant des Deux Mondes, Geo. W. Childs, Chito, Golden Hair, Harry Hurrell, Ivory, John K. Shaw, Major Bonnaffon, Mayflower, Mrs. Wm. H. Rand, Mrs. A. J. Caton, Mrs. H. Robinson, Evangeline, Miss G. Pitcher, Miss Agnes L. Dalskov, Mrs. C. B. Freeman, Pennsylvania, Shavings, Snow Queen, The Bard, Viviand-Morel, Yellow Ivory, Mrs. S. T. Murdock, Mrs. H. C. Weeks, Mrs. J. J. Glessner, Jeannie Falconer, Robert Craig, Lenawee, Beaute Lyonnaise, The Queen, Intensity, Zenobia, Angelique, Viola, Magnificus, Surprise, Ada Strickland, Descartes, Garza, Mary Stuart, Black Douglas, Antoine de Noel, Mizpah, Mrs. Astic, Canary, Daisy, Martha, Halcyon and Shilowa.

PHILADELPHIA SHOW.

The annual exhibition of the Pennsylvania Horticultural Society was held November 13 to 17, inclusive, in Horticultural Hall. The main floor was devoted chiefly to plant exhibits. Around the sides the decorative plants were grouped at intervals, while the central floor space held the specimen pot plants of chrysanthemums. Among the latter some very well grown specimens were shown. The best of them were of the following varieties: George W. Childs, Garden Queen, Mutual Friend, Rustique, Irving Clarke, Mrs. Peabody, Ivory, Mrs. Murdock, Leonidas, and Minerva.

In the displays not for competition were a fine collection of fancy leaved caladiums, from Joseph Hurley, gardener to James M. Rhodes, Esq., Ardmore, Pa.; a table of plants of Begonia roseum giganteum, from Rudolph Barth—a very free flowering variety; and a plant of begonia Gloire de Lorraine, from Edwin Lonsdale.

J. Kift & Son made an artistic display with their vases and vase holders; and the Floral Exchange had a nice showing of Queen of Edgely rose, over-hanging which was a silk banner inscribed with the record the rose had made at the various shows at which it had been exhibited.

H. A. Dreer made a very extensive display of flowering and foliage plants, among which were about 50 varieties of pompon chrysanthemums, the white begonia Gloire de Lorraine, and another type of this begonia, named B. erecta compacta, showing a tendency to throw the flowers well above the foliage. The same firm also had a beautiful aquatic exhibit in another part of the hall.

Chrysanthemums Plants.

In the classes for the best chrysanthemum plants for two plants, two varieties, in not over 10-inch pots, the first prize was won by William Robertson, gardener to John W. Pepper, Esq., Jenkintown, Pa., with Rustique and George W. Childs. Joseph Hurley, gardener to James W. Rhodes, Esq., Ardmore, Pa., was second.

The Pembroke prize, offered for four plants of Japanese varieties, went to Joseph Hurley with excellent specimens of George W. Childs, Mutual Friend, Garden Queen and Minerva; Gordon Swirl, gardener to George W. Swinott, Esq., Rosemont, Pa., second.

The Euy-s-dell prize, offered for the best four plants in not over 14-inch pots, was captured by Joseph Hurley, with the same four varieties as shown in the class above mentioned, Gordon Swirl again taking second.

The Wootton prize, offered for three pink varieties, went to Gordon Swirl. He exhibited Leonidas, Mrs. Murdock, and Garden Queen. Joseph Hurley was second.

The Sinnott prize for three new varieties of 1899 was won by Gordon Swirl, with Pembroke, Yellow Mayflower, and Meta. For specimen plant, yellow, Gordon Swirl was first, with a fine Miss Georgiana Pitcher; Joseph Hurley, second.

For specimen plant, white, pot not to exceed 14 inches, William Robertson was first with a specimen of Mrs. Peabody, the second going to George W. Brown, gardener to Robert M. Carson, Esq., Chestnut Hill. In the class for specimen plant, any other color, Joseph Hurley won with George W. Childs, William Robertson second. The Alburgers, East Park Nurseries, showed a collection of standard grown plants, not for competition.

For the best six plants, pink, in not over 6-inch pots, the first went to Joseph McGregor, gardener to Mrs. Theo. A. Scott, Lansdowne, Pa., for Pembroke; the second to William H. Carey, gardener to Mrs. Allen B. Rorke, Lansdowne, Pa. For six plants, any color, Mr. Carey was first with Rustique, Joseph McGregor, second, with Silver Cloud. In the class for six plants, white, six-inch pots, Mr. Carey was also first with Mrs. H. Weeks, the second going to J. T. Whittaker, gardener to Chas. F. Lewis, Esq., Andalusia, Pa., with Mrs. H. Robinson. For six plants, yellow, the winner was Francis Canning, gardener to Samuel T. Rodine, Esq., Villa Nova, Pa., with Major Bonnaffon, William H. Carey second.

For the best specimen plant of new variety, not disseminated prior to 1899, William Robertson took first with Goldmine, the second going to Gordon Swirl for Soucie. The Cockerhill prize, for best plant of Miss Annie Thompson in pot not over 14 inches, was won by Gordon Swirl.

For specimen plant of Mrs. Frank Thompson, Joseph Hurley took first, and Gordon Swirl second. For one plant of variety not yet disseminated, Alex. Kerr, gardener to Mrs. Phillip J. Walsh, Burmont, Pa., was the winner, with a pink Japanese variety, unnamed. The Pencoyd Farm prize for two plants in 12-inch pots, two colors, was won by Gordon Swirl, with elegant specimens of George W. Childs and Mrs. H. Weeks.

Chrysanthemums—Cut Flowers.

In the class for vase of 20 blooms, yellow, John Ruhin, of Philadelphia, took first, with Pennsylvania. Three vases, 12 blooms each, one white, one yellow, and one any other color, the first went to Joseph Monahan, gardener to Charles W. Trotter, Esq., Chestnut Hill, with Bonnaffon, Viviand-Morel and Mutual Friend; the second premium was won by William Robertson. For best vase of 20 blooms, one variety, John N. May, Summit, N. J., was the winner with Panariva.

The Fair Acres Prize, offered for five vases, five blooms each, was captured by William Kleinheinz, the varieties being James Paul, Philadelphia, Mayflower, Golden Wedding, and Helen Bloodgood. For best six blooms of William L. Elkins, William Kleinheinz was also first, William Robertson second. The first prize for best six flowers of Mrs. Frank Thompson, went to John Cullen, gardener to Percival Roberts, Esq., William Kleinheinz being second. In the class for six blooms, any other color, John Ruhin was first, with Philadelphia; William Kleinheinz second, with Mrs. Davis. For six blooms, crimson, George W. Brown, gardener to Robert Carson, Esq., was the winner with Mrs. Bigelow. Six blooms, yellow, Joseph Monahan took first, with Bonnaffon, and John Ruhin, second, with Pennsylvania. Six blooms, pink, Joseph Monahan was first with Viviand-Morel; William Robertson, second with H. Mrs. George Magee.

In the class for six white blooms, Miller & Sons, Bracondale, Ontario, were first with Timothy Eaton, a Japanese incurved variety, of immense size and fine form. Joseph Monahan was second, with Mrs. H. Weeks.

Six blooms, crimson, John Cullen took first, with Mrs. Bigelow; William Robertson, second, with Fisher's Torch. Six blooms, pink, John Mitchell, gardener to Pennsylvania Hospital, was the winner. For six blooms, white, William Kleinheinz was first, with Gladys Vanderiblt, the second going to John Mitchell, with Mrs. F. A. Constable.

In the class for 12 blooms, 12 varieties, the first went to Frank Gould, gardener to J. T. Morris, Esq., Chestnut Hill; John M. Cleary, gardener to William Weightman, Esq., being second. For 25 blooms, 25 varieties, John Cullen was the winner. His varieties included Inter Ocean, Mrs. H. Robinson, Goldmine, James Paul, Colonel Smith, Charles Davis, Niveus, Autumn Glory, Leonidas, Mrs. Chamberlain, Minerva, Mutual Friend, Mrs. F. A. Constable, Viviand-Morel, Mrs. F. Thomson, Col. D. Appleton, Mrs. Cutting, Mrs. Egan, Black Hawk, Bostou, Modesto, Thordeua, Mayflower, and two Japanese seedlings, one a bronze and the other a yellow. The second prize was won by John Mitchell.

For the best American variety, pink, not yet disseminated, John N. May was the winner with W. B. Chamberlain. For the best American white variety, not disseminated, Miller & Sons captured the premium with Timothy Eaton.

For best American variety, any other color, not disseminated, John N. May took the honors with Yanariva. Best yellow American variety, not disseminated, John Cullen was first with Chestnut Hill seedling, a Japanese incurved variety. For the best 20 flowers of one variety, pink, Ed. A. Stroud, was the winner. John W. Cleary was first for 12 anemone-flowered in both classes, and second for 12 sprays of pompon blooms; Frank Gould being first for 12 sprays of pompons, 12 varieties.

For the best 12 blooms, 12 varieties, John Cullen won with Mrs. West, Yellow Carnot, Boston, Viviand-Morel, Col. D. Appleton, Eureka, Modesto, Mrs. R. Cuttiug, Mutual Friend, Mrs. Paul and the two Japanese seedlings before mentioned. The second prize went to John Mitchell.

For the best eight plants of geraniums, William Robertson was first. Best specimen palm, George W. Brown was the winner with a fine plant of Licuala grandis.

Jos. Kift & Son took the prizes for the best arranged window box—crotons, dracænas, kentias and English ivy being the principal plants used. The prize for best plant of Asparagus Sprengeri was captured by Joseph Hurley.

Robert Craig & Sons were the prize takers in the class for 12 cyclamen. For the best display of flowering and foliage plants arranged for effect, John Hobson, gardener to Edward A. Schimdt, Esq., Radnor, Pa., was first. This was a specially well arranged group; the use of bouvardias among the crotons and palms enhancing the general effect. John H. Dodds, gardener to H. L. Hopper, Esq., was second, with a nicely arranged group. For the best specimen Boston fern, Joseph Hurley was first with a magnificent plant measuring about seven feet across. Best six ferns, the first went to John Thatcher, gardener to Edward L. Boutillier, Esq., Wynnwood, Pa. For the 12 best crotons, John Hobson was first, and William Robertson second. Both these exhibits contained well colored plants.

For the best six dracænas and the best six marantas first in each case went to John Thatcher, the second for marantas going to John M. Cleary, who also took second for the best 15 ornamental foliage plants.

First, for specimen croton, went to John Hobson; second, to Joseph Hurley; the latter also taking first for specimen foliage plant, with a fine croton; John Thatcher, second, with Panax Victoria. For the best Dracæna Sanderiana, John Thatcher was first and William Robertson, second. For the best six foliage plants, palms not allowed. John Thatcher was first, and William Robertson, second. The winning plants were Panax Victoria, Costus mosaicus, Dracæna Rothiana, Aloeasia Sanderiana, Helleonia aureo-striata, and Pandanus Veitchii. For the best 20 ferns, the first prize went to Thomas Long, gardener to George W. Childs-Drexel, Esq., second to John Hobson. John Thatcher took the Hopper prize offered for the best six ferns. In the class for six Rex begonias, J. T. Whittaker was first, and John M. Cleary second. Six flowering begonias John Thatcher, first, Joseph Hurley, second.

Among other groups not for competition were new red coleus by George E. Campbell, and a group of well-grown palms from Joseph Heacock, Wyncote, Pa.

An exhibit of orchids and cut chrysanthemums came from Hugh Graham. This was located in the center of the hall, and was very attractive. An exhibit of orchids and plants was also made by Mrs. George B. Wilson, West Philadelphia., among which was a cycas, said to have been once owned by George Washington. A large group of crotons from Joseph Hurley, and collection of evergreen trees from the William H. Moon Co., Glenwood Nurseries, Pa., were also shown.

In the vegetable and fruit department, in the lower hall, Henry F. Michell had an extensive exhibit of bulbs, implements, pots, fertilizers, etc. H. G. Faust showed a full line of bulbs, mushroom spawn, etc. H. Waterer also showed bulbs in variety, and clumps of Japanese iris. H. A. Dreer had a complete exhibit of almost everything needed in the trade—spawn, bulbs, jardinieres, glass bowls, and vases, sprayers, hose pipe, mole-traps, plant supports, etc. W. S. Beasley, gardener to Mr. J. W. M. Cardeza, Germantown, showed a section of a Barbarossa vine, only one year old, with six elegant bunches of fruit. D. Landreth & Son had an extensive exhibit of insecticides, fertilizers, bulb glasses and jardinieres, also pumps, sprayers and incubators. Part of this exhibit was arranged inside a rustic fence and was quite attractive. The Roxborough Rustic Work Manufacturing Co. displayed a line of rustic settees and a summer house of rustic style, thatched with straw. The Watson Seed Store had on display samples of their Perfection Flower Box. This box is made of wood and bound at the corners with tin; it should be a serviceable box.

Fred Ehret, wholesale florist, showed a vase of elegant American Beauty roses, not for competition; the flowers were grown by John Andre, of Doylestown, Pa.

Great credit for the smooth arrangement of the show is due to David Rust, the energetic secretary to the Society.

Judging commenced at 2 p. m., and by 6 p. m. the awards were all in their respective places.

Other Awards.

CUT FLOWERS—ROSES.

Twenty-five Perle des Jardins. First, Robt. Forrest, gardener to B. Borie, Esq., Jenkintown.

Twenty-five Kaiserin Augusta Victoria. First, T. E. Bartram, Lansdowne; second, Samuel J. Bunting.

Twenty-five The Bride. First, Jos. Heacock, Wyncote.

Twenty-five Meteor. First, Jos. Heacock.

Twenty-five Bridesmaid. First, Jos. Heacock.

Twenty-five Golden Gate. Second, Chas. Uffler, gardener to Geo. H. McFadden, Esq., Rosemont.

Six American Beauty. First, T. E. Bartram; second, Jos. Heacock.

Six blooms of any new variety. First, E. G. Hill & Co., Richmond, Indiana.

Best 25 blooms of American Beauty. Jos. Heacock.

CARNATIONS.

Fifty blooms of any named scarlet variety. First, C. W. Ward, Queens, L. I., N. Y. with J. H. Manley; second, Ernst Schraiber.

Fifty blooms of any named dark pink variety. First, Robt. Craig & Son, Philadelphia.

Fifty blooms of any white variegated variety. First, Robt. Craig & Son.

Best American seedling, never disseminated, 25 blooms. First, C. W. Ward, with Governor Roosevelt.

Best American seedling, never disseminated, 25 blooms, and one plant of the same variety, for the "Craig Prize," a silver cup, offered by Robert Craig, Esq., Philadelphia, to Dailledouze Bros., Flatbush, Brooklyn, N. Y., for variety "Prosperity."

VIOLETS.

One hundred Princess of Wales. First, R. M. Eisenhart, Torresdale.

One hundred Lady Hume Campbell. First, W. Courtenay Pray, Kinkora, N. J.; second, R. M. Eisenhart.

One hundred Marie Louise. First, W. Courtenay Pray; second, Wm. Kleinheinz, gardener to P. A. B. Widener, Esq., Ogontz.

One hundred Luxonne. First, R. M. Eisenhart.

One hundred, any other variety. First, W. C. Pray, second, R. M. Eisenhart.

D. Landreth & Sons' prize for carnation—Ethel Crocker, vase of 25 blooms, was captured by Robert Craig & Son.

SPECIAL PRIZES.

Certificate of Merit to E. G. Hill & Co., Richmond, Ind., for new rose Marquis de Litta.

Silver medal to Robert Scott & Son, Sharon Hill, for new rose Robert Scott.

Silver medal to Robert Scott & Son, for new rose Florence Pemberton.

Certificate of Merit to Robert Scott & Son for new rose Sunrise.

Gold medal to Mrs. George B. Wilson West Philadelphia, for handsome decoration of foliage plants, including the famous "George Washington Palm," also orchids and decorative plants.

Silver medal to Henry A. Dreer, Philadelphia, for a collection of aquatics.

Silver medal to John Thatcher, gardener to Edward Le Boutillier, Esq., Wynnewood, for collection of specimen ferns.

Special prize to Alburger's East Park Nurseries, Philadelphia, for collection of standard chrysanthemums.

Special prize to John Nesbit, Swarthmore, for two well-grown palms.

Special prize to Wm. H. Moon Co., Morrisville, Pa., for an exhibit of evergreens.

Special prize to Jos. Hurley, gardener to James M. Rhodes, Esq., Ardmore, for well-grown collection of crotons.

Certificate of Merit for culture to Jos. Hurley for a magnificent collection of caladiums.

Certificate of Merit for culture to Jos. Heacock, Wyncote, for well-grown collection of palms.

Certificate of Merit to Henry A. Dreer for new begonia Caledonia.

Special mention to Geo. E. Campbell, Philadelphia, for new coleus.

Special mention to John Thatcher, for collection of well-grown foliage plants.

Special mention to Wm. Kleinheinz, gardener to P. A. B. Widener, Esq., Ogontz, for new chrysanthemum D. Josephine.

Cultural recommendation to Robert Craig & Son, West Philadelphia, for well-grown plants of begonia Gloire de Lorraine.

AMERICAN INSTITUTE SHOW.

Though quality, not quantity, was the object of the promoters of the show given by the American Institute in Berkeley Lyceum, New York, on November 14 and 15, the limited space at the disposal of the Institute was taxed to its utmost to contain the exhibits sent, all of which were of a very high order of merit. The schedule provided for groups, and plants in pots. Two of the former were on display and only a limited number of 'mum plants was exhibited. The greatest interest centered in the classes for chrysanthemum cut blooms, the chief feature of which was the competition for the best 50 blooms arranged in a large Japanese vase, for a prize of $25 offered by the Horticultural Society of New York. There were three entries in this class, the first prize going to the variety Timothy Eaton, exhibited by Miller & Sons, of Bracondale, Ontario. This variety attracted many admirers on account of the well-grown specimens shown. Mr. Miller informs us that it is a Wanamaker seedling, but it is without the defect of an eye seen in that variety. The flower of Timothy Eaton, an incurved Japanese white, is well filled in the center and of great depth. A. Herrington, of Florham Farms, was second in this competition with a splendid display of Golden Wedding. Weber & Sons, Oakland, Md., exhibited Nagoya, a yellow variety.

William Scott, of Tarrytown, took first prize for 25 cut blooms, distinct named varieties, George Hale coming second. In the class for 12 cut blooms A. Herringon was first, his collection including the varieties Bonnaffon, Jeannie Falconer, W. H. Chadwick, Solar Queen, Mutual Friend, Mrs. Trenor L. Park, Chenon de Leche, G. J. Warren, Frank Hardy, Golden Wedding, Mayflower and Merza. John McNichol, gardener to Mr. G. C. Rand, Lawrence, L. I., was first for six incurved, his varieties being Col. D. Appleton, Good Gracious, Margaret Jeffords, Adula, Modesto and Jeannie Falconer. For six blooms, reflexed, G. Hale, gardener to Mrs. E. D. Adams, took first. Among his varieties were W. H. Lincoln, Mutual Friend, Inter-Ocean, Viviand-Morel and Chas. Davis. For 10 blooms, red, McNichol was first, with George W. Childs. For 10 blooms, white, William Scott, Tarrytown, was the winner with Mrs. Weeks; W. Brennecke, of Hempstead Gardens, coming second with Mrs. Jerome Jones. There were seven entries in the class calling for 10 blooms, yellow, William Scott, of Tarrytown, taking first with Golden Wedding; A. Herrington second with the same variety. In the class for ten blooms, any other color, William Duckham, gardener to D. Willis James, Esq., Madison, N. J., was first with the variety T. Carrington; A. Herrington second with Alberta L. Albertas. Mr. Herrington also took the New York Horticultural Society's prize for the best six varieties, six blooms of each, with Chenon de Leche, Bonnaffon, Madam Deis (a monster white variety), Golden Wedding, Helen Bloodgood, and Merza. George Hale was second.

John N. May, Summit, N. J., had a collection of pompons, and also showed his new seedling, Yanariva.

In the rose class George M. Hay, of Stamford, Conn., and Dr. Seward Webb, of Shelbourne, Vt., were the principal winners. In this class George Hale showed some extra well grown and finely colored Mrs. Pierpont Morgan.

There was a nice display of carnations, the first prize for the best and largest collection going to Briarcliff Greenhouses, Sing Sing. This firm was also first for the best six varieties, and second for the best three varieties, the first prize in the latter class going to George M. Hay with Mrs. Bradt, Lawson and Crane. The Cottage Gardens, Queens, had an excellent vase of Governor Roosevelt; also one of yellow seedlings comprising some promising varieties. Chris. Besold, Mineola, L. I., showed Goethe and Admiral Cervera. Weber & Sons exhibited Genevieve Lord and Seedling No. 11, the latter being certificated, and considered by the judges an improvement on the first named variety. This firm also staged a seedling, white, No. 110, and a crimson, No. 176, both showing good promise.

J. W. Feeter, of Highland, N. Y., took first prize for 50 blooms violets.

Nathan Smith & Sons, Adrian, Mich., exhibited a most interesting collection of seedling cypripediums of the concolor and insigne types. Julius Roehrs, Carlton Hill, N. J., had an excellent group of foliage and flowering plants, the latter comprising, among others, well grown cattleyas, oncidiums and dendrobiums. Lager & Hurrell, Summit, N. J., also put up an excellent display of orchids.

The Rosary Co. (J. H. Troy, manager), made a very interesting exhibit of bamboos in pots. This firm was also awarded first prize for the best table centerpiece of chrysanthemums in oval basket, without handles. The judges were William Turner, A. Grierson, and J. W. Withers, assisted by Albert Staall.

William Turner, Tarrytown, showed a vase of Liberty rose in excellent condition.

George F. Hale, Senbright, N. J., staged a nice collection of ornamental foliage plants and Howard Nichol, gardener to Mrs. J. B. Trevor showed a splendid plant of cycas.

Siebrecht & Son had fine exhibit of foliage plants, not for competition which received a special award.

C. B. Furman. For eight named plants, eight distinct varieties, Thomas Dryden was also first. His best varieties in this class were Minerva, Chadwick, and Merza.

For specimen Japanese, named variety, Thomas Dryden took first with Viviand-Morel; also for specimen Chinese with C. W. Ward. In the class for specimen standard, Hamilton Scott was second; and first for best specimen plant, not disbudded.

For ten cut blooms, ten distinct named varieties, Hamilton Scott took first; William Angus, second, Thomas Dryden, third, John Coombs, and the Rev. Herbert Macey, specials. Among the best blooms in this class were Major Bonnaffon, The Queen, Nesota, Mrs. F. A. Constable, Capt. Gridley, Minerva, Nesota, Baron Rothschild, and Peter Kay.

For 12 specimen blooms Mrs. Perrin, John Coombs was first, Walter Angus, second.

In the class for best collection of cut blooms of novelties not catalogued previous to 1899, William Angus secured first.

Best collection of miscellaneous plants, other than chrysanthemums, E. M. Francis, first.

Best 15 blooms Eldorado carnations, George Osborne, first.

The exhibit of 18 blooms of the new rose, Queen of Edgely, attracted much attention and was greatly admired. This exhibit, through some misunderstanding did not arrive until the last day of the show.

William Angus received a diploma for two bunches of Gros Meroc and Gros Colmar grapes, which were the largest hot house grapes exhibited before the society in years. Mr. Angus also received a diploma for his exhibit of cut blooms of chrysanthemums.

The judges were C. H. Pember and Chas. Peterson. J. F. C.



New Early Pink Chrysanthemum Iolantha, grown by Nathan Smith & Son, Adrian, Mich.

[See page 1026 issue of October 27, 1900].

HARTFORD FLOWER SHOW.

The annual chrsyanthemum exhibition of the Connecticut Horticultural Society opened Tuesday, November 6, and continued three days. The show, taken as a whole was very good, but much smaller than in previous years. The attendance was somewhat light, owing, perhaps, to the first day being election day, and the inclemency of the weather on the last day.

The principal exhibitors were Walter Angus of Chapinville; Thomas J. Dryden, Hamilton Scott, gardener to Mrs. Samuel Colt; John Coombs, of Hartford, and Rev. H. Macey, of Newington. The Elizabeth Park greenhouses made a fine showing of nearly 200 blooms, among the best varieties being Pride of Ryecroft, Mrs. Egan, Philadelphia, Col. D. Appleton, Sunderbruch, The Queen, William Simpson, Mrs. Robinson and Ivory. This exhibit reflected great credit on L. Frey, the gardener at the Park.

There were no seedlings exhibited.

For the display of 12 named plants, 12 distinct varieties, Thomas J. Dryden was first, his best plants being Viviand-Morel, Mrs. H. Weeks, Black Hawk, and Mrs. stable, Peter Kay, Maud Dean, Viviand-Morel, and Belle of Castlewood. For 12 specimen blooms, Major Bonnaffon, William Angus, was the winner; also for 12 blooms Ivory. For 12 blooms, yellow, one variety, Hamilton Scott, was first, with Georgiana Pitcher, John Coombs, second, with Mrs. Bassett. A special prize in this class was awarded to William Angus. He showed a vase of G. J. Warren.

For 12 blooms, pink, one variety, Hamilton Scott took first, with Viviand-Morel; John Coombs, second, with Mrs. Perrin. William Angus was awarded special prize for the last named variety. In the class for 12 blooms, white, William Angus scored with Mrs. Weeks, John Coombs being second, with same variety. A special prize went to Hamilton Scott for The Queen.

For 12 blooms, red one variety, William Angus was first, with Black Hawk; John Coombs, second, with same variety. For best specimen bloom, T. J. Dryden, took first with Chadwick; William Angus, second, with Mrs. Weeks; special prize to John Coombs, for Mme. Carnot, and special to George Osborne.

In the class for 25 cut blooms, 25 distinct named varieties, William Angus took first. Among the best varieties exhibited in this class, were Mrs. F. A. Constable, Capt. Gridley, Minerva, Nesota, Baron Rothschild, and Peter Kay.

For 12 specimen blooms Mrs. Perrin, John Coombs was first, Walter Angus, second.

In the class for best collection of cut blooms of novelties not catalogued previous to 1899, William Angus secured first.

Best collection of miscellaneous plants, other than chrysanthemums, E. M. Francis, first.

Best 15 blooms Eldorado carnations, George Osborne, first.

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The judges were C. H. Pember and Chas. Peterson. J. F. C.

ORANGE (N. J.) SHOW.

In making a feature of school children's work at their exhibition held in Orange, Wednesday, November 14, the New Jersey Floricultural Society, alive to the tendency of the time, demonstrated that expansion might be applied to floriculture. While not entirely original, the feature was quite new to this section, and the stream of people from the hour of opening to late at night, attested to the popular reception of the idea.

The exhibits of between nine hundred and one thousand children, from 24 different schools, besides the usual work of the members, made it necessary to secure a larger place than that commonly used by the society.

The children's plants, chiefly chrysanthemums, were arranged in groups, each individual exhibit being separated by a palm, and the name of the school being prominently displayed on a card over each group. Each pot bore a number.

At the time of distribution a book of cultural directions was given, and its instructions seemed to have been faithfully followed. Three plants which showed evidence of expert assistance were thrown out from competition. Pompons predominated, but Ivory, Bonnaffon, and other popular favorites were to be recognized. Most of them had been loosely planted, and showed a rank growth of stem, but the foliage of many was good. Disbudding had been frequently attempted, and the potting, while not at all in the interests of the grocery trade, indicated a previous use in that line. One proud plant occupied an old oaken bucket which had once hung in a well, but only one occupied a paper bag.

Joseph A. Manda was manager, and his skill was severely tested, not only in disposing of so many exhibits in a limited space, but in placing them to the best advantage. The room presented a beautiful appearance. Cash premiums were given, besides a number of plants donated by W. A. Manda. The judges were John N. May, W. A. Manda, and A. D. Rose—the three men who had showed the most interest in the scheme, and had furnished most of the plants.

In the exhibit of gardeners' work the commercial, the private gardener, and the amateur, were all represented.

The place of honor was given to President Duff's display of fine greenhouse plants, comprising a wide and choice selection from the Brighthurst greenhouses. George Smith made a display of chrysanthemums, single blooms in six-inch pots, which secured a first-class certificate, and two trained exhibits of the variety Lincoln, which also received certificate. He, too, received the special extra premium for largest bloom. The remainder of the display of the private gardeners was quite up to its usual merit, and among the names appeared those of Dieterick Kindsgrab, Malcolm MacRorie, George Von Qualen. One new name was that of Peter McLaughlin, successor to Alex. McPherson, at Mrs. John Burki's place in Llewellyn Park. His Cycas circinalis attracted attention, as did a specimen Phyllanthus rosea variegata.

The commercial growers were represented by John N. May, who was awarded first-class certificate for new chrysanthemums, and also pompons; W. A. Manda, who had a large pyramid of greenhouse plants, receiving first-class certificate; Popkin & Collins, who got a

certificate for a display, comprising a varied selection of plants and chrysanthemum blooms; Bonnaffon, Ivory, Maud Dean, Philadelphia, and Pennsylvania, attracted attention by the beauty of the form and foliage. J. C. Williams, Montclair, exhibited pompons, receiving a certificate of merit; Paul Wilcox, of Montclair, had four cycas and three variegated pineapples, obtaining first-class certificate, the work of Oscar Carlesen.

All of these, in size and beauty, were close to the exhibits of the private gardener, the result of just such shows, where they have appeared side by side.

The novelty of the exhibition and scheme attracted many visitors from a distance, even from Georgia. Among the craft were Thomas Gray of Boston, and James Kidd, and James I. Donlan of New York.

NEWPORT (R. I.) SHOW.

The ninth annual Fall show by the Newport, (R. I.) Horticultural Society, was opened at Masonic Hall, Tuesday, Nov. 13, at 2 p. m. The exhibition, as a whole, was superior to any yet given. The novelties, although not a large class, contained some good things, among them being the new rose Queen of Edgely, showa by R. Craig & Son, which was considered well worthy of the certificate awarded it. The new ten rose, Sunset, exhibited by G. Foster, Esq. (E. Jenkins gardener) Lenox, Mass., also obtained a similar award. The color of this rose is hard to describe, it being apricot, shaded bronze. The foliage is also of a dark bronzy color. A new pink carnation of about the same shade of color as that of Morning Glory, but of different form of petal, and a fuller flower, also obtained a first-class certificate of merit. This variety was exhibited by N. D. Pierce, of Norwood, R. I.

The tested seedling chrysanthemum wianing the silver medal, is a dark variety of the Shrimpton type, but a smaller flower, having heavy deep green foliage. It has been named General Maceo, and was exhibited by President Robert Laurie. Chrysanthemum Col. Appleton was shown here for the first time, winning first premium in the class calling for 10 blooms, yellow; it was really one of the best new varieties seen here. The flowers were grown and exhibited by Farquhar Macrae of Providence, R. I.

In the class for group of palms and foliage plants to cover 100 square feet, there were three entries, R. Laurie winning first, with a group of very fine quality and good arrangement; the coloring of the crotons and dracænas being fine, and the pots very effectively hidden by a bordering of Carex japonica and Adiantum Victoria. The second place was taken by Andrew S. Meikle, gardener for Mr. W. S. Wells, with a group scarcely one whit behind the other; Richard Gardener was third, his group being hardly full enough. In class for palms, ferns, and chrysanthemums, Robert Laurie was again the winner, a group staged by Harry Westter, gardener for Mr. I. Townsend Burden, taking second place. Both groups were good in quality and arrangement. For specimen chrysanthemum plants, white (Mutual Friend), grown by James Garthley, gardener for H. H. Rogers, Fairhaven, Mass., secured first; John Barr, South Natick, Mass., second, and R. Laurie third. Specimen yellow, first, J. Barr, with Golden Trophy; second, Robert Laurie; third, Andrew Ramsey, gardener for Mrs. Edward King. Specimen pink, first, J. Barr, with variety Louis Boehmer; to this plant was awarded the silver medal, as the best specimen plant on exhibition; second, R. Laurie; third, Andrew Ramsey. Specimen, red, first, J. Barr, with The Bard; second, James Garthley. Specimen anemone, first, James Garthley; second, R. Laurie. Specimen pompon, J. Barr. Six specimen bush plants in pots, not exceeding eight inches, first, R. Laurie, with varieties Mutual Friend, Joseph H. White, Marion Henderson, Mrs. H. Weeks, Peter Kay and Mrs. Henry Robinson. Six plants, white, single stem, in pots not exceeding 6 inches, first, Alex. Frazer, gardener for Mr. H. McK. Twombley, variety, Frank Hardy. Six plants, yellow, first, R. Laurie, with Peter Kay; second, H. Westley. Six plants, pink, first, R. Laurie, with Viviand-Morel; second, Andrew Ramsey. Six plants, red, first, R. Laurie, with variety General Maceo. Six plants, any other color, first, R. Laurie, with Inter-Ocean.

Specimen areca, first, R. Laurie; second, H. Westley; third, Arthur Griffin, gardener for Mr. E. T. Gerry. Specimen, kentia, first, R. Laurie; second, Andrew S. Meikle. Specimen, any other variety, first, Andrew S. Melkle; second, Robert Laurie.

Specimen Adiantum Farleyense, first, Andrew S. Meikle. Specimen nephrolepis, first, Harry Westley; second, Frank Brunton; third, Robert Laurie. Best specimen, any other variety, Frank Brunton.

For 25 blooms, distinct named varieties, first, J. Barr. His varieties were M. Jeffords, Philadelphia, Charles Davis, Eureka, Australia, Peter Kay, Mrs. Potter Palmer, Pennsylvania, Oakland, Mrs. George Magee, Modesto, Maud Dean, Good Gracious, W. H. Warren, Mrs. M. A. Ryerson, Shenandoah, Lady Hanham, Mutual Friend, Viviand-Morel, Frank Hardy, Kate Broomhead, Mrs. Peabody, Mrs. George West, Golden Wedding and Mrs. Carrington. Twelve cut blooms, distinct named varieties, first, John Barr. About the only variety seen in this class which was not represented in the foregoing, was Mrs. Trenor L. Clark; second, Alexander Frazer; third, R. Laurie. Six cut blooms incurved, first, R. Laurie, with Mrs. Weeks, Major Bonnaffon, W. H. Chadwick, Peter Kay, O. P. Bassett, Rustique; second, J. Barr; third, James Boyd, gardener for Mrs. William Astor. Six cut blooms, reflexed, first, R. Laurie, second, J. Barr; third, Alexander Frazer. The winning varieties in this class were: Charles Davis, Viviand-Morel, The Gladys, Mutual Friend, Inter-Ocean and Major Bonnaffon. Best vase, 10 blooms, red, first, John Ash, Pomfret, Conn., with John Shrimpton, very fine blooms; second, R. Laurie; third, Alex. Frazer. Ten blooms, white, first, Alexander Frazer, with Jerome Jones; second, John Ash; third, Waldemar Barth, gardener for Hon. Perry Belmont. Ten blooms, yellow, first, Farquhar Macrae, with Col. Appleton; second, John Ash, with 10 fine blooms of Peter Kay; third, Alexander Frazer. Ten blooms, pink, first, R. Laurie, with superb blooms of Viviand-Morel; second, Alexander Frazer; third, John Ash. Ten blooms, any other color, first, R. Laurie, with Inter-Ocean; second, James Boyd. Vase of not less than eight blooms, tested seedling, first, R. Laurie, with General Maceo.

Best centerpiece of chrysanthemums, first, R. Laurie, with a basket of Bonnaffon, loosely arranged, and having no other foliage than their own; second, Waldemar Barth, for a basket of Ivory, arranged with the bronzy foliage of Japan maples; third, Andrew Ramsey. Fancy basket, any flower other than chrysanthemum to be used; first, Harry Westley, for large basket, exquisitely arranged, of Allamanda Hendersonii, the greenery being Asparagus plumosus and Adiantum cuneatum; second, Arthur Griffin. His basket consisted of Cypripedium insigne, cattleyas and phaius; third, Andrew S. Meikle with a basket of orchids and pancratiums, the orchids being cattleyas and calanthes, the garnishes Asparagus Sprengeri, and Adiantum cuneatum.

The entries in the above two classes were large and some of those not gaining premiums were almost equal to those that did.

Twelve blooms, American Beauty, first, Edward Jenkins, Lenox, Mass., second, Waldemar Barth. Twenty-five blooms, tea scented pink, first, E. Jenkins; second, W. Barth. Both parties exhibited Bridesmaid, the premium winners being extra well grown, as were those in class 36, the premium being awarded to the same parties in the same order for Bride.

Four vases, carnations, in four colors, as follows: Twenty-five blooms, red; 25 blooms, white, 25 blooms, pink; 25 blooms, any color, first, Waledmar Barth, his varieties being Ethel Crocker, Morning Glory, Crane, Hill's Sport; second, John Mahan, gardener for H. D. Auchincloss, Esq.

For violets, Alexander Frazer, was first, John Mahan, second. George A. Weaver Co. received a certificate of merit for display of bulbs.

The amateur classes were not competed in to any great extent.

Best chrysanthemum plant on exhibition, the Society's silver medal, went to John Barr, Natick, Mass.

Special prizes were awarded to Arthur Griffin for group of Acalypha Sanderi, arranged with ferns, pandanus, etc.; to Frank Brunton, for collection of ferns, a certificate of merit; to Harry Westley, for superior culture of Microlepia hirta cristata, a certificate of merit.

There were many visitors from abroad among them being W. R. Smith, Washington, D. C.; William Craig, Philadelphia; W. J. Stewart, Boston, Mass.; Kenneth Finlayson and James Wheeler, of Brookline, Mass.; Messrs. Keith and Garthley, of Fairhaven, Mass.; John Ash, and others from Pomfret, Conn.; also a large delegation from Providence, R. I., including Macrae Brothers, Messrs. Johnson, Miller, Canning, N. D. Pierce and others whose names I do not remember.

MAC.

DENVER FLOWER SHOW.

The exhibition opened on Thursday, November 8, and continued through the following Sunday night. A great crowd was in attendance every day; and on the last day it was so large that it was thought advisable to run the show over another day, but the matter was dropped, as growers didn't like to leave their stock any longer, the show having already run four days.

The pavilion in which the exhibition was held was thought to be large enough, but by the second day it was seen that it was much too small, and it was with difficulty that the crowds were properly handled. On Sunday afternoon the grand crush occurred and railings were put up, so that the visitors came in one way and passed out another. Besides a grand orchestra that was playing rag time in the pavilion, the city band gave a sacred concert out in the stand on the lake, the benefit of those that had to wait for their turn to see the flowers. This was on Sunday afternoon only. On Friday the directors of Chamber of Commerce attended the show in a body, and went away well pleased, for it was through their efforts that the exhibition was held.

The judging was left to local men entirely, and the point system was a little new to them, but though a few decisions were a little off color, very little kicking was heard.

The display of pot chrysanthemums was very creditable, those grown by the Park Floral Co. especially so; Mrs. Weeks and Miss Georgiana Pitcher being well done. In the cut chrysanthemum classes, some grand blooms were staged. The new ones were absent, but some standard sorts were shown that were hard to beat. The Colfax Ave. Floral Co. exhibited a vase each of Niveus, Viviand-Morel, and Bonnaffon that were extra fine. A vase of Pennsylvania, shown by the Park Floral Co., was about the finest thing in the show in the line of cut chrysanthemums. A beautiful silver cup was offered by Senator Wolcott, for vase of 12 chrysanthemums, scoring highest number of points, and this vase took the prize.

The display of roses was grand, Bridesmaid and Bride being particularly well done. Two vases of Liberty were staged, and caused enough comment to guarantee that this rose will take, when it can be had.

The competition in carnations was extensive, and close. The Park Floral Co. showed vases of Lawson, Crocker, Olympia and The Marquis, that scored. The Colfax Floral Co. had fine vases of Mary Wood, Bradt and Triumph. Of all the carnations at the end of the show, Lawson stood out the best. It's a beauty any way you take it.

In arrangements the display was good. Both the Park Floral Co. and the Colfax Floral Co. showed good mantels. The former made a neat job in which a perfect color scheme was carried out. The Colfax mantel was rather heavily trimmed, but altogether it looked good for what it was intended, a "bridal mantel."

In the table decorations there were four entries, and here the judges had a hard time; and their decision caused quite a little dissatisfaction among the public. The Colfax table, which took first prize, was an arrangement of baskets of pink roses, with an extra amount of ribbon, which when completed, was altogether too heavy for the size of the table. The Park Floral Co.'s table which took second, was an arrangement with a low flat basket of Gloire de Lorraine begonia, that looked very new. Ethel Crocker carnations were used as favors on this table.

On the Clark (of Colorado Springs) table a centerpiece of Lawson carnations was used, with favors of the same flower. This table was thought by many to have a chance for first.

The show of miscellaneous stock was above the ordinary, and the groups of decorative plants were also good, and well put up.

The exhibit that caused the most comment was a group of 12 geraniums, shown by the Park Floral Co. As one paper remarked the next day, "Some kind gardener took pity on the poor old geranium, and nursed him along as he would something better, with the result that he stood out as proudly as anything in the show," and this is about right, for seldom is such fine stock seen.

One exhibit which attracted a great deal of attention was a reproduction of the floral decorations around the grave of Robert Burns, the Scotch poet, made by Andrew Haig, a Scotch florist of this city.

Altogether we have had a very successful show and one that gives ambition to start on a better one next year.

The Awards.

Best four 12-inch chrysanthemum plants, Park Floral Co., first, with Mrs. Weeks, Mutual Friend, Georgiana Pitcher and Lincoln. Six white, 6-inch, Park Floral Co., with Weeks.

Six pink, 6-inch, same exhibitor, with Iora, who were also first for six yellow, 6-inch, with Georgiana Pitcher; 20 single stem, 5-inch; flowering begonias, six varieties; 12 geraniums.

In potted carnations there was no competition, the Park Floral Co. winning first with Lawson, Crocker, Olympia, Marquis, Flora Hill and White Cloud.

The Park Floral Co. were the only exhibitors in the collection of blooming plants. They made a very creditable display of primulas, cyclamens, browallia, cattleyas, Begonia Gloire de Lorrine, stevia, poinsettia and Roman hyacinths in pans.

In the classes for 12 palms, for 12 ferns, and for six rex begonias the Park Floral Co. was awarded first. Emil Forter, gardener to C. B. Kountze, with Latania borbonica, was first for best decorative plant, commercial growers being excluded from this competition.

For decorative group arranged for effect, 100 square feet, Colfax Avenue Floral Co. took first, Park Floral Co. second.

In the competition for cut blooms chrysanthemums, Colfax Avenue Floral Co. won first with 12 blooms of Niveus, which were unusually well done; F. F. Crumb, of Colorado Springs, second with The Queen, Colfax Avenue Floral Co. also won first in pink with Viviand-Morel, and won in the class for six vases, six varieties with Iora, Weeks, Philadelphia, Pennsylvania, Niveus, and Bonnaffon. In the class for 20 single blooms the Colfax won first, Bonnaffon, The Queen and Philadelphia being noticeably well done. The Park Floral Co. was first with Pennsylvania, and this vase carried with it the Wolcott Cup given for the vase of 12, any class in the show scoring the highest number of points. The Park Floral Co. also won first in the "any other" class with Xeno, one of last year's novelties. As shown here, it would seem likely to become a standard sort.

The Williams Cup of sterling silver, offered for the best seedling chrysanthemum, was not competed for and will doubtless be put up again in the same class by the society next year. Seedling growers; please take notice.

The roses and carnations staged on Saturday were a grand display and we wish they might have been seen by that class of Eastern growers who appear to think that nothing good can come out of the West. Al. Mauff was easily cock of the walk in the rose competition with swards of first in Beauty, Wootton, Bride and Bridesmaid. He was also awarded second in the any other class for a vase of Mermet which, to most observers, was a better vase than almost anything else in the show. The Colfax Company were first in this class with a vase of very fair Liberty. Colfax also won first for Perle; F. F. Crump being second in this class and also in Wootton. The Park Floral Co. were first in Kaiserin, and ran second to Mauff in Beauty, Bride and Bridesmaid.

In the carnations the competition was lively and, in a good many instances, close. The Park Floral Co. were first with Crane The Marquis, Lawson, Maceo and Olympia, and in the seedling classes won first, second and third. Colfax was first with Mary Wood, and with Scott.

In violets, J. W. Smith, of Colorado Springs, won first for 100 double, with an exceptionally well-colored bunch of Marie Louise. Lyle C. Waterbury was first in singles, with Princess of Wales.

For best hand bouquet, Gallup Floral Co. received first prize on a pretty shower, and Scott Anthony, second, on an old-fashioned round bouquet. For the best funeral bouquet, The Floral Park Co. received first prize with a bunch of chrysanthemums; Gallup Floral Co., second. For best basket of chrysanthemums, The Park Floral Company were also first with an arrangement of chrysanthemums and Autumn leaves; John Berry second with a basket of pink chrysanthemums and asparagus. For the best basket of flowers, other than chrysanthemums, The Park Floral Co. was first; Gallup Floral Co. second. In the mantel decoration, The Park Floral Co. was first; Colfax, second. In the table decorations, The Colfax Avenue Floral Co. received first prize; Park Floral Co., second; Wm. Clark, of Colorado Springs, third.

DENVER.

Andover, Mass.

The Gardeners and Florists' Club held a very successful show, November 8 and 9. The principal prizetakers were, for chrysanthemum blooms, J. A. Playdon and George Millett, who divided honors in all the classes. Mr. Playdon was also successful in the class for violets. Mitchell Bros. took first for pansies. George Piddington carried off the honors in the rose classes. Messrs. Ripley, Piddington and Millett had the best displays of chrysanthemum plants. H. H. Tyer took first for collection of evergreens, suitable for indoor decoration. Mr. Ripley had the best specimen geranium.

The judges were Messrs. Farquhar, Boston; Wheeler, Brookline, Mass., and Angus, North Andover, Mass.

TORONTO FLOWER SHOW.

The eleventh annual chrysanthemum show of the Toronto Gardeners and Florists' Association was probably the finest exhibition we have ever had; but it was the worst patronized of any of them. There were several reasons for this. In the first place, the executive committee have not put in so much real work as usual; next, the weather, on two nights during the show, was very unfavorable, and the exhibition opened on the day of the Dominion election. Then, on Monday last, the soldier boys returned home from South Africa, and our people were out for fun and holiday making on that day. So that, altogether, circumstances were against good financial returns.

The hall had been decorated for a banquet to Lord Strathcona, the week before, and a considerable part of the decorations was left. On the stage was placed the finest group of orchids and nepenthes that has ever before been shown in Canada. Several of our wealthy visitors claimed that, although they had viewed many flower shows both in Europe and America, they had never seen such a fine collection staged before. The groups of foliage plants, etc., were also very good, some of the plants being exceptionally well grown and colored. Excelent music was provided, and on the night of the opening, the election returns were given, a special wire being put in for that purpose. But the people would not come.

The specimen chrysanthemums were rather better than usual, the one taking first prize being a very pretty plant of Ivory, shown by Horticultural Gardens. The specimens grown in pots, not over eight inches, were all good stock, the prizes being taken by the Horticultural Gardens and Exhibition Park. The plants shown by the latter were a little late. The best standard plant was grown at Exhibition Park, and was a good plant of Bonnaffon. The single stemmed, and single bloom plants were a very fine lot. They were shown by the Horticultural Gardens, Exhibition Park and Grainger Bros. In the chrysanthemum plants, and group of foliage plants and chrysanthemums, the Horticultural Gardens took most of the first prizes.

Grainger Bros., William Day & Sons, and Manton Bros., also staged good exhibits of chrysanthemums and commercial plants. Manton Bros. also had a nice little exhibit of orchids and foliage plants. Messrs. Grobba & Wandrey, staged some of their fine cyclamens. The exhibits of small ferns were very good, and made a nice show around the tables, on which the cut blooms were placed.

The class for six flowering plants, distinct varieties, brought out some fine plants, and though none of them was extra well grown, they were good enough to show what might be done with some of them.

The display of cut chrysanthemums was quite up to the standard, most of the varieties exhibited being well known ones. Mrs. Weeks was, to my mind, the finest white; Bonnaffon, and Golden Wedding being the best yellows. Black Hawk was the favorite dark variety, while the best pinks were Mrs. Perrin, H. Bloodgood, Morel, etc. J. H. Dunlop, Miller & Sons, J. Gammage, London, Grainger Bros. J. Jennings, George Hollis, and Dale, and the Horticultural Gardens were the exhibitors, and all the blooms were good.

The roses shown were of extra quality Dale came out very strong; his bunch of Beauty being very fine; while his Liberty, Sunrise, Morgan, etc., were splendid flowers. All the stock from this establishment proved that Ned Dale is a worthy successor to his most respected brother, Harry. Dunlop had also some very fine roses. His Bridesmaid and Bride were very fine, also Liberty, Meteor, Beauty, and Lady Dorothea, etc. William Lawrence also staged some very good roses in several classes, holding his own well with the larger growers.

The carnations exhibited were extra fine, and the judges must have had considerable trouble to decide the best. Dunlop, Dale, Lawrence, Gammage and Miller & Sons, all exhibited fine flowers in this class. Many of the varieties shown were of recent introduction.

Princess of Wales was the best single violet, but some of the California were very good. The double ones were not quite up to the usual standard here.

George Hollis staged a vase of seedling chrysanthemums, of which I will send an account later. Messrs. Miller & Sons did not stage any of their Timothy Eaton this year; but we are pleased to hear that they won a silver cup at Chicago with this variety.

The show of designs and baskets of flowers was extra good; and here again the judge had his work cut out for him. The floral designs were shown by Tidy, Brown, Gammage, Dunlop, and Simmons. All but Gammage used orchids in their work. The pieces were all good, and but little fault could be found with any of them, either for the quality of the work or of the flowers used.

The judges were: For plants and cut chrysanthemums, A. H. Ewing, Berlin, Ont.; other cut flowers and designs, William Scott of Buffalo. Both gentlemen have many friends here; and though, in many of the classes, competition was very close, I have heard but little grumbling at their decisions. Mr. Scott was in fine trim, and if the Pan-American exhibition is half what he cracks it up to be, we'll all have to go and see it. His descriptions of the grounds and buildings are always given in his best style, and generally wind up with "but you must come to see it." T. M.



New Rose, Baltimore.
Raised by John Cook, Baltimore, Md.

Awards.

CHRYSANTHEMUMS.

Best specimen, any variety. First, Horticultural Gardens; second, Exhibition Park; third, Manton Bros.

Best standard, any variety. First, Exhibition Park; second, Manton Bros.

Three specimens, white. First, Horticultural Gardens; second, Exhibition Park.

Three specimens, pink. First, Exhibition Park; second, Horticultural Gardens; third, Manton Bros.

Three specimens, yellow. First, Horticultural Gardens; second, Exhibition Park.

Three specimens, any other color. First, Exhibition Park; second, Horticultural Gardens; third, Manton Bros.

Twelve distinct varieties. First, Horticultural Gardens; second, Exhibition Park.

Twelve distinct varieties, single stem, single flowered. First, Horticultural Gardens; second, Exhibition Park.

Twelve, white, single stem. First, Horticultural Gardens; second, Exhibition Park; third, Grainger Bros.

Twelve pink, single stem, single flowered. First, Horticultural Gardens; second, Exhibition Park; third, Grainger Bros.

Twelve, yellow, single stem, single flowered. First, Horticultural Gardens; second, Exhibition Park; third, Grainger Bros.

Twelve, any other color, single stem, single flowered. First, Horticultural Gardens; second, Exhibition Park.

Twelve distinct varieties, three plants of one variety, in a 6-inch pot, single stem, single flowered. First, Horticultural Gardens; second, Exhibition Park.

MISCELLANEOUS.

Group of chrysanthemums, palms, ferns and solaginellas, arranged for effect, occupying a space of not more than 90 square feet. First, Horticultural Gardens; second, Exhibition Park; third, Grainger Bros.; fourth, Manton Bros.

Group of foliage plants, arranged for effect, in which a few chrysanthemums may be introduced, space not more than 90 square feet. First, Horticultural Gardens; second, Manton Bros; third, Exhibition Park; fourth, Grainger Bros.

Specimen palm. First, Exhibition Park; second, Grainger Bros; third, Horticultural Gardens.

Six specimen palms. First, Manton Bros.; second, Exhibition Park.

Six specimen palms, in not larger than 8-inch pots First, Exhibition Park; second, Grainger Bros; third W. Jay & Son.

Six specimen palms, in not larger than 6-inch pots, not less than three varieties. First, Manton Bros.; second, Exhibition Park; third, Grainger Bros.

Twenty-four ferns, in not larger than 3-inch pots. First, Grainger Bros.; second, W. Jay & Son; third, Manton Bros.

Twelve ferns. First, W. Jay & Son; second, Manton Bros; third, Grainger Bros.

Twenty-four adiantums. First, J. H Dunlop; second, W Jay & Son; third, Manton Bros.

Twelve adiantums. First, Toronto Floral Co.; second, Manton Bros; third, W Jay & Son.

Six specimen ferns. First, Exhibition Park; second, Horticultural Gardens; third, Manton Bros.

Specimen fern. First, Exhibition Park; second, Horticultural Gardens; third, Manton Bros.

Best collection of orchids in which nepenthes and any green foliage can be used. First, Exhibition Park; second, Man on Bros.; third, Horticultural Gardens.

Three orchids in flower. First, Exhibition Park; second, Manton Bros.; third, Horticultural Gardens.

Six cyclamen. First, Grobba & Wandrey; second, Horticultural Gardens.

Twelve primulas. First, Manton Bros.

Six pots of callas in bloom. First, W. Jay & Son; second, Horticultural Gardens.

Six flowering plants, distinct varieties. First, Horticultural Gardens; second, Exhibition Park; third, Manton Bros.

CHRYSANTHEMUM CUT BLOOMS.

Twenty-five distinct varieties. First, J. H. Dunlop; second, W. Jay & Son; third, J. Jennings.

Twelve distinct varieties. First, J. H. Dunlop; second, Horticultural Gardens; third, F. C. Miller & Sons.

Twelve blooms, white. First, F. C. Miller & Sons; second, J. H. Dunlop, third, H. Dale.

Twelve blooms, pink. First, F. C. Miller & Sons; second, H. Dale; third J. H. Dunlop.

Twelve blooms, yellow. First, J. H. Dunlop; second, J. Gammage & Sons; third, Grainger Bros.

Twelve blooms, any other color. First, J. H. Dunlop.

Six blooms, white. First, J. H. Dunlop; second, Grainger Bros.; third, J. Jennings.

Six blooms, pink. First, F. C. Miller & Sons; second, J. H. Dunlop; third, J. Jennings.

Six blooms, yellow. First, G. Hollis; second, Horticultural Gardens; third, J. H Dunlop.

Six blooms, any other color. First, J. H. Dunlop; second, J. Jennings.

Twenty blooms, one variety. First, F. C. Miller & Sons; second, J. Gammage & Sons; third, Grainger Bros.

Twenty-five blooms, any varieties. First, J. H. Dunlop; second, F. C. Miller & Sons; third, Horticultural Gardens.

MONTREAL FLOWER SHOW.

The thirteenth annual chrysanthemum show, held under the auspices of the Montreal Gardeners and Florists' Club, opened in the Windsor Hall on Monday evening, November 12, under what would have been most favorable conditions had not the wretched weather spoiled everything. Lord Strathcona, the club's honorary president, presided, and was supported by ex-Mayor Wilson Smith and several of our leading citizens. His Lordship was enthusiastic in his praise of the exhibition, and assured the club of his continued support.

The exhibition, as a whole, was decidedly in advance of its predecessors, and in no section was this more pronounced than in the specimen plants. The Challenge Cup for six specimens was captured, after very keen competition, by C. A. Smith, with Geo. Pascol second. The cup for twelve blooms fell the third time in succession to W. J. Wilshire, gardener to R. B. Angus, Esq. The cup is now Mr. Wilshire's property. Fred. C. Smith captured first place in groups of chrysanthemums and foliage plants. W. Whitman first place in chrysanthemums only.

First place for mantel decoration fell to Wilshire Bros., Jos. Bennett taking second. Wilshire Bros. also took first for design of cut flowers and basket of flowers; Jos. Bennett first for wreath of chrysanthemums and basket of chrysanthemums.

Financially the show promises to be a failure, owing solely to the wretched weather. Full particulars in our next issue. B.

New Rose Baltimore.

The new rose, Baltimore H. T. (John Cook, 1900—(see illustration), is a hybrid between Rivoir and Mary Fitzwilliam; both parents are hybrid teas. It is vigorous in growth, each shoot terminating in a flower. Plants propagated in Spring and planted on benches out of 3-inch pots in June, have at this time (November) made from five to seven strong canes from 2½ to 4½ feet in height. The leaves are thickly set, leathery and dark green. The flower is large, globular, in form, and especially beautiful when fully open. The color is a soft pearl white, with a faint suffusion of yellow and a pretty tinge of pink in the center, which gradually fades toward the border of the flower. The color recalls that of Captain Christy rose, but it is somewhat softer. The flowers are cut with absolutely stiff stems of 2 to 3½ feet. The foliage, continuing well up to the flower, makes a most pleasing contrast. In artificial light the pink of the flower gains in intensity, and is of fine effect with damask cloth and silver.

The photograph gives a fair idea of the beauty of this new rose. In every respect it seems to be equal to American Beauty; the flower is quite as large, if not larger; in form it is similar, but more full. The stems carry the flower well erect, are well furnished with fine foliage, and are 2 to 3 feet in length.

In productiveness the Baltimore is at least equal to Beauty. Mr. Cook grows the new variety in about 70 degrees, and the benches are a picture of health and vigor. T. E.

Toronto.

Business has been fairly good, but stock is so plentiful that even extra good trade makes but little impression on it. Good violets are a little scarce.

Fred Brown is opening a fine store on Yonge Street, this week. T. M.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00. Payable in advance. The date on the address label indicates when subscription expires.

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Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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Our Supplement Illustration.

The chrysanthemum blooms shown in the illustration, represent the standard varieties on the New York market during the week ending November 10, 1900.

Major Bonnaffon was grown by H. Ramm, Secaucus, N. J.; and sold by G. E. Bradshaw, 53 West 28 Street.

Modesto was grown by A. C. Zvolanek, Grand View, N. J., and handled by Edward C. Horan, 47 West 28th Street.

Mrs. H Weeks was handled by John Young, 51 West 28th Street, and grown by Leach Bros., of Jersey City.

Col. D. Appleton was grown by Mrs. Weaver, Bloomfield, N. J., and sold by William Ghormley, No. 57 West 28th Street.

President Smith was sold by Edward C. Horan, and grown by A. C. Zvolanek, Grand View, N. J.

Pennsylvania was grown by A. Herrington, Madison, N. J., and handled by Thomas Young, Jr., 43 West 28th Street.

Golden Wedding was grown by Leach Bros., and handled by John Young.

GALVESTON RELIEF FUND.

The Galveston florists, at their last meeting, ordered a letter of thanks to be sent to John N. May, of Summit, N. J., for a donation of 1000 roses, and to John Peed & Son, West Norwood, London, Eng. Mr. Pruessner was instructed to call in the balance of the stock previously pledged.

Contributions Received Since Last Report.

George F. Kimbel, Jr., Flourtown, Pa.....$1.00

Chicago Galveston Relief Fund.

Draft sent		$283.90
A. H. Poehlman	$5.00	
Herman Bauske	5.00	
Miss Chistopherson	1.00	
Proceeds of booth sale at flower show	260.20	
		271.20
Total		$555.10

EDGAR SANDERS, Treas.

Florists and Advertising.

In his very practical paper, copy of which we publish elsewhere in this issue, Samuel S. Pennock, of Philadelphia, gives some pertinent advice as to the means to be employed by the florist trade in bringing the products of the craft before the public for the purpose of sale. Briefly put, Mr. Pennock sums up the whole matter in five words: "By judicious advertising and display," and testifies to the efficacy of the flower show along these lines.

It is a well-known fact, and one that is often commented upon adversely, that the retail florist is slow to recognize the importance of advertising his wares in a public medium, being content to abide by the pulling results of the "window display." In no other line of business is this antipathy and short-sightedness prevalent to the same marked degree as it exists in the florist trade, and there is none where publicity is of greater necessity than his. The very nature of the industry, and its present status in the community—the florist's products being yet regarded as a luxury—demand that these products should at all times and on all occasions be brought to the public's notice in order that the greatest possible advantage may be reaped and progress achieved.

Not only in the matter of newspaper and periodical advertising is there a wrong conception prevalent, to a greater or less extent, but also in the factors which now form a partial substitute therefor, viz.: the exhibitions. There exists by far too much apathy in regard to flower shows, and too great an ignorance or misconception of their trade-drawing influences. The very fact that the holding of these exhibitions is the only method of public advertising in vogue, generally adopted by the trade, is a very sufficient reason why they should be more liberally supported, and greater interest in them taken by florists, and why every city and town should have its flower show and as often during the year as practicable. As Mr. Pennock rightly says: "A successful show means far more to the flower trade than can be estimated. Judicious advertising by this means is a paying investment."

But the influence of the window display and the flower show being necessarily limited, these business makers should be supplemented by continuous advertising in some public medium or manner in order that this means of drawing custom may be far-reaching, with accompanying advancement and benefit.

Hydrocyanic Acid Gas.

The use of hydrocyanic acid gas in greenhouses for the extermination of insect pests has not become general, owing to the highly dangerous nature of the substance in question, as at present applied. At the recent meeting of the Association of Economic Entomologists, the objection to the use of this gas by florists was discussed by the learned professors there present, and the necessity for extreme care in the application of the substance generally emphasized, although one of the delegates remarked that "the fear that exists in the East over the use of hydrocyanic acid gas was looked upon by many Californians as very funny. In that state the greenhouse man will pick up his material in his hands, charge his vessel, walk out deliberately, and close the door after him." One delegate suggested the use, in cases where only a small amount of the gas is required, of gelatine capsules, which require about one minute to be eaten through by the acid. Another suggestion was to have a small lead tube leading from the outside of the house, the vessel containing the cyanide being placed under the tube, the greenhouse door closed and locked; the water and acid freshly mixed, being poured in through the little funnel or tube and the aperture closed.

The efficacious nature of hydrocyanic acid gas as an insecticide is generally admitted by all who have experimented with it, and we hope our scientific men will discover some easy method of applying the substance, which will minimize or entirely remove the danger to human life, consequent upon the operation.

OBITUARY.

E. Pynaert.

Edouard Pynaert, a well-known Belgian horticulturist and author, died October 28. Deceased was head of the establishment of Pynaert Van Geert of Ghent.

R. Homeyer.

Richard Homeyer, who for almost four years has been a faithful employe of James McManus, wholesale florist, New York, died at the Post Graduate Hospital on Wednesday night last. Deceased was only 21 years old and succumbed after being operated upon for the removal of a tumor. His home was at Newtown, L. I. He was much respected by his employer and all who came in contact with him. The funeral will be held to-day (Saturday).

H. W. Leiderley.

Herman W. Leiderley died suddenly at his home in Troy, N. Y., Nov. 9. Though Mr. Leiderley had been complaining recently of stomach trouble, it was not supposed that his illness was of a serious nature, and his death was a shock to his many friends. Mr. and Mrs. Leiderley were contemplating a trip to Europe in the near future. The deceased was 53 years of age. He conducted for many years a florist's business at the corner of Fifth Avenue and Third Street, Lansingburg, and had also greenhouses in Troy. He was born in Berlin, Germany. His widow survives him.

Henry Miller.

Henry Miller, one of the oldest and best known florists of the 26th Ward, Brooklyn, died after a short illness, Sunday, November 11, 1900, at his home, Jamaica Ave., at the age of 78 years. Mr. Miller was born at Alzey, Germany, February 19, 1823. Coming to this country in 1841, he secured a position as gardener with Ex-Governor Morris, at White Plains, for three years. Leaving this place he started in business for himself in the old town of New Lots, now 26th Ward, Brooklyn, and had conducted a florist's establishment until three years ago when he retired, and was succeeded by his son, A. L. Miller.

New York Florists' Club.

The monthly meeting of the club was held Monday evening, November 12, President O'Mara in the chair.

The committee on testimonial to Mr. Plumb, submitted a set of resolutions testifying to that gentleman's loyalty and unselfish devotion to the organization, and to his manly qualities, which had endeared him to all his confréres. The committee regarded Mr. Plumb's departure from America as a great loss to the horticultural fraternity. The resolutions were ordered suitably engrossed and forwarded to Mr. Plumb.

The Plan and Scope Committee reported progress. President O'Mara again emphasized the necessity of the club holding an exhibition in New York City, either under its own auspices, or in conjunction with some of the societies already organized and giving shows in the city.

Samuel Henshaw was elected a trustee to serve for the unexpired term of Mr. Plumb, resigned.

Silk "fingers" for encasing the stems of bride, corsage, and other bouquets, shown by W. I. Brower, were given an award of merit by a special committee. These "fingers," Mr. Brower says, are in great requisition by his customers.

The nomination of officers resulted as follows: For president, W. F. Sheridan and Frank Traendly; vice-president, Julius Lang, C. G. Weber and Alex. Wallace; for secretary, John Young; for treasurer, C. B. Weathered, and Alex. Burns.

President O'Mara and Vice-President Herrington received the largest number of votes for their respective offices, but, while thanking their friends and appreciating the compliment, positively declined to stand for re-election.

The president gave a very interesting account of his recent trip West. He attended the annual Shaw banquet, at St. Louis, as representing the Society of American Florists. He spoke of the great progress that had been made in the Missouri Botanical Gardens since 1893—the date of the visit of the S. A. F. to that city. New glass had been added, and the collection of plants was larger, and generally in much better condition. A hardy herbaceous garden, 20 acres in extent, is being laid out much on the lines of a similar garden at Bronx Park; surrounding that garden is a border of shrubs, necessitating the planting of 20,000 subjects. Advantage is to be taken of a stream of water running through the center of this plot, to plant aquatics. Mr. O'Mara also visited the establishment of the Michel Plant and Bulb Co. One thing that interested him there was the fact that a special shed had been built for keeping "boarders." The shed was constructed with just enough sash in the roof to afford light, and the firm was receiving very fair prices for the storing of these plants, and at present believed it had solved the boarder problem.

At E. G. Hill & Co.'s, Richmond, Ind., roses and carnations were notable among other interesting features. One new rose that attracted attention was the Marquis de Litta, a variety that had been given the highest award at the recent Chicago Show. This variety was likely to give much satisfaction as a Winter bloomer.

Speaking of the great "plant factories" at Chicago, Mr. O'Mara said that some of the conceit was taken out of him when he viewed the immense establishments of Reinberg Bros., Wietor Bros., Bassett & Washburn, and others, and the excellent quality of the stock in these houses was an agreeable surprise to him. There was hardly a symptom of black spot on American Beauty roses, which, considering the warm Fall weather, was a matter for congratulation. Mr. O'Mara thought that the Chicago florists were able to produce stock at a lower cost than it was possible to do in the East. This was owing to the small amount of help employed, the less cost of construction and the cheaper price at which coal could be purchased. He characterized the establishment of Bassett & Washburn, with its 600,000 feet of glass, mainly devoted to roses and carnations, as a commercial establishment pure and simple, every available foot of space being taken advantage of. He never saw a finer lot of carnations in his life than he witnessed here. Every bench on the place was planted on the top of tiles; that is, a false bottom is first put on, then tiles are placed side by side, and on top of that the same depth of soil as is used generally, in which the plants are placed. The president was particularly interested in furnace blowers, used in the boilers of this firm, the object of which is to consume all the smoke and gases, so that



STANDARD VARIETIES OF CHRYSANTHEMUMS IN NEW YORK MARKET, WEEK ENDING NOVEMBER 10, 1900.

(See text.)

soft coal can be employed without any of the deleterious effects which generally result from its use. Mr. Washburn assured the speaker that by these blowers he effected a saving of 25 per cent. annually on his coal bill, in addition to the enhancement of the quality of the stock grown through the removal of the disadvantages which follow upon the use of soft coal.

The Chicago Carnation Co., at Joliet, was also visited by President O'Mara and his party. Here mostly seedlings of the firm's own production are grown.

Speaking of the late Chicago Show, where he was one of the judges, Mr. O'Mara said he had been informed that it was not up to the standard generally, largely owing to the fact that some florists, for some reason or other, did not compete; men who had promised to send stock had not sent it. The interest seemed to be flagging. This was certainly not on account of the premium list, which was an extremely liberal one. Mr. O'Mara said he was particularly struck with the violets exhibited at the show. He candidly believed that if such violets as were shown there, had found their way into the markets of the East they would have been consigned to the rubbish heap. He was astonished at the miserable quality, but was told it was about as good as the Chicago market received. Considering that that city was only 900 miles from New York, he believed that the violet surplus accumulating here at times, could find its way out there at a profit. A bunch of 25 of our Eastern blooms would be as big as the best 100 put up there. One astonishing feature was the immense territory that Chicago drained for cut flowers. Chrysanthemums came from as far away as Toledo, Ohio; in fact, blooms from that city were as fine as any arriving at the Chicago market at the present time. Indiana was also a contributing source, and the Chicago market acted as a center of distribution for the same territories from which the supplies were received, as also for further West, and as far South as New Orleans. With the increased amount of glass going up around Chicago, and in other Western cities, it appeared to him that a serious problem would arise as to the disposition of the flowers; still, if the population increased in the same ratio, an outlet might be found.

He spoke highly of the interest taken by the directors of the Chicago Horticultural Society in their exhibitions. These gentlemen, who were all monied people, seemed to feel that Chicago needed a horticultural show to maintain her position. While New York was really more metropolitan than the Westerncity, he believed that a similar interest to that exemplified in Chicago could be aroused among our wealthy people, and he again urged on the members the necessity of trying to create that interest.

In closing, Mr. O'Mara paid a high tribute to the hospitality of the Western florists, particularly those of Chicago, who did everything in their power to make their visitors feel at home. He also said that he was impressed by the enterprise and push found among Western florists. As a matter of fact, they were a pushing, enterprising and energetic lot. Though we did not lack these qualities in the East, there is a breeziness out there which is not found on the average here.

During the evening ex-Alderman Morris sought to introduce a resolution expressing the Florists' Club's disavowal of any matters having politics as their object, but the resolution was not entertained, the president stating that never at any time had the club countenanced or lent its aid to any political movement, that being entirely outside of its province.

The entertainment committee did the honors of the evening in its usual acceptable manner.

New York.

Market Notes.

Business in certain lines shows a marked improvement this week. Several important functions have called for large quantities of the choicest flowers, and this fact, taken with the material decrease in the supply of roses and violets, has had a very beneficial effect, giving both these products a good push upwards in value. Violets are very scarce, and with the Horse Show coming upon us next week, there is likely to be some hustling among the growers to meet the then demand for these flowers, and the price will probably reach the $2.50 mark. Since last Monday there has been a gradual advance daily on violet values, and by Thursday they were bringing $1.75 and $2. The crop seems to be off, however.

Roses appear to be in about the same condition as violets, so far as the supply is concerned; where there were hundreds coming in a few weeks ago, there are not dozens to-day, though those arriving are of good average quality. Special Bride and Bridesmaid are eagerly sought, and $8 per 100 is willingly paid. A few very choice blooms of the latter have realized as high as 10 cents each. American Beauty went up to 35c. each, for the very top grade; and other grades felt a proportionate rise in value. Meteor, of good quality, are coming in, and some have brought from $8 to $10 per 100.

Lily of the valley has been in good demand, and a fair increase in value is noted, a few of special grade having fetched $5 a 100.

Chrysanthemums, of ordinary size, are selling very slowly, especially yellow varieties, and prices have a downward tendency. Good blooms have gone as low as $3 per 100. Fancy grades have done somewhat better, and the price per dozen keeps between $2 and $3. Special fancy blooms have the best demand of all, and many of these have brought 50c. each when bought in quantity, even. The supply of cattleyas has shortened up considerably, C. labiata is about over, and when obtainable, fetch 50c. each.

Carnations are not selling so freely, excepting good white kinds, which go all right. Crimson varieties are very plentiful, and the demand just now does not seem to lean towards the deeper colored varieties. That General Maceo is maintaining its reputation for producing plenty of flowers, is seen by the enormous quantities of blooms of this variety that daily are sent in to the market.

Among the retailers several notable events have happened this week that have called for large displays of flowers, chiefly the funeral of Marcus Daly, the copper king. The orders for this occasion were on a large scale, and were furnished principally by Alex McConnell and J. Fleischmann.

Jottings.

A committee appointed by President F. Lehnig, of New York Florists' Market Association, will call on Mayor Van Wyck on Monday afternoon next at 1 o'clock, to confer about matters pertaining to the plant market. Others interested are cordially invited to join the committee.

S. H. Waterbury & Co. have opened a commission florist's store at 48 West 30th Street.

T. H. Dick, of the firm of Baker & Dick, 42 Park Place, contemplates taking a trip down to the moss country to arrange for the proper handling of the firm's increasing shipping business in this line. As the Cedar Swamps, where the moss is gathered, abound with game, Mr. Dick will combine business with pleasure, by taking his gun along and enjoying some hunting.

The council of the Horticultural Society of New York held a meeting in the rooms of the American Institute, Berkeley Lyceum, on Wednesday last, Dr. Britton presiding. A report by temporary Secretary Barron showed that the membership had reached 110, with additions expected. Considerable interest in the society is being taken by some of the best city people, and also those in the trade, and with proper support it is expected that the association will accomplish some very useful work the coming season. The next meeting will be held in the same place the second Wednesday in December.

Cleary & Co. announce a sale of cattleyas, and many other orchids, for Friday, November 23. The plants are offered by eastern and western growers. The popularity attained by orchids during the past few weeks will undoubtedly attract many of the growers to this unusual sale. The catalogue is most complete, and also includes several very choice varieties of exceptional rarity. Many of the plants are sheathed for flowering during the coming season.

Henry Dreyer, who for the past 12 years has been with A. Herrmann, is now in the employ of L. J. Kreshover, importer and dealer in florists' supplies, 112 West Twenty-seventh Street.

Dr. Britton, director of the New York Botanical Garden, returned from Europe last week after a seven weeks' trip. He visited the Paris Exposition, the large botanical gardens and museums of France, Germany and England, and the International Congress of Botanists held at Paris, where her epresented the Garden, being also an official delegate from the United States. The doctor, while abroad, secured many valuable specimens for the Garden.

PAMPHLETS RECEIVED.

THE SAN JOSÉ SCALE; HOW TO CONTROL.—Circular 42, Division of Entomology, Department of Agriculture, Washington, giving different methods of treatment.

ASSOCIATION OF ECONOMIC ENTOMOLOGISTS, TWELFTH ANNUAL MEETING.—Bulletin 26, Division of Entomology, Department of Agriculture, Washington.

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Dahlia Helen Gould.

Editor Florists' Exchange.

The committee of judges representing the American Dahlia Society decided on the exhibit of dahlia blooms staged by O. B. Coomes, Jr., that the variety was not entitled to the name of Helen Gould, on the ground that it was simply a duplication of several known varieties: Uncertainty, Mary Eustace, Floral Park Jewel, and Miss Roth. The committee was anxious to avoid the creation of still more synonyms for the same variety. Five different men were present, and the vote was unanimous that Helen Gould was one and the same thing as Floral Park Jewel, Mary Eustace and Miss Roth. The name Uncertainty appears first in the official notice sent out on the score that Uncertainty is the fixed name by which the variety is known.

Mr. Coomes seems to avoid the full issue, and quibbles on the name Uncertainty, yet he admits that the color of Helen Gould will vary a little, but that the majority are of the color of the Daybreak carnation; and that is just the point. The blooms were carefully examined and evidences were present proving conclusively that the distinctive features of Uncertainty were strongly apparent in his variety. Mr. Coomes himself admitted to me personally that the growth and habit of the plant were the same as those of Floral Park Jewel. There seems to be nothing further to be done in the matter than to stand by the decision of the committee, which was composed of some very eminent dahlia growers, men of large experience, who, without any hesitation or equivocation, decided, in response to the several protests, which had been handed in, that the dahlia in question was not entitled to the name of Helen Gould.

JAMES W. WITHERS,
Secretary American Dahlia Society.

Editor Florists' Exchange.

In your issue of November 3, Mr. Granz states: "The dahlia Helen Gould is nothing but a run out Mary Eustace," and that he visited my place personally, and told me the dahlia in question was the variety Mary Eustace. He also says in this case, the color is almost similar to that of the red Bradt carnation, and he thinks I have selected the light colored flowers for a few years, so that the majority of the blooms come light colored. Now, if Mr. Granz knows anything about the dahlia Mary Enstace, he knows very well that it reverts to the dark and not to the lighter color, which anyone who has ever grown it will tell him.

When he visited my place my dahlias were not in condition for anyone to judge them. They had just started to show bloom. I had not cut any flowers yet, as on my whole patch of about 2,000 dahlias, of different varieties, one could not cut 25 blooms. The plants were covered with thrips, which made the foliage look sickly. Mr. Granz informed me at the time that the plants were diseased and advised me to throw them out, as they would never amount to anything. But I did not take his advice, and I never had dahlias do better than this year in their season. He also said that the dahlia looked like Mary Eustace. (He did not see anything but light-colored flowers; he imagined the dark ones would come later); but I told him it was not that variety, which I know, by having grown it. When he says the color is similar to that of the red Bradt carnation, this assertion itself proves that he is not acquainted with the dahlia Helen Gould.

The first and the last portions of his letter do not agree. In the first part he asserts the variety is Mary Eustace run out, and in the last part he thinks that I have selected the plants. Now, if they run out, as he states, there would be no need of selecting the plants.

I would inform him that the flowers all come light colored, and that the stock of Helen Gould all came from one plant.

Referring to Mr. Peacock's letter, appearing also in your issue of the 3rd, according to his way of judging, he can tell all about a dahlia that he has never seen growing, by seeing 25 blooms, and imagining the rest. He gives a description of Floral Park Jewel, and tells me to tack on to the same the name of Helen Gould, where it don't fit. He never saw any dark flowers of this variety at the Institute Show; nor in my letter is there anything to lead him to believe one plant will produce six different colored flowers.

He says: "Now the question arises, did the Dahlia Society overstep its bounds?" I claim they did when they judged the dahlia, not by what they saw of it, but what they imagined, which the wording of their report, ("The chances would be that the stock would revert back to the deeper color by which 'Uncertainty' is known)," proves.

Mr. Peacock makes the assertion that he "purchased the very identical variation, so-called Helen Gould, under the name of Mary Eustace," when according to his own description the varieties are not the same. If he will read my letter again he will see that I made no statement that would lead him to believe there is any such variation, as he asserts.

He says: "It is a well-known fact among dahlia growers, that all fancy varieties will vary and sport, the latter permanently, but the former is an essential part and characteristic of the variety." I agree with him there, for if he takes Floral Park Jewel, the many colored flowers on one plant characterize the variety; but when he takes Helen Gould, the light-colored blooms characterize it as a variety entirely different from the former. In closing Mr. Peacock states: "Dahlias sold regularly in Philadelphia at from $1 to $5 per 100." I can only find dahlias in Philadelphia quoted once this season in the FLORISTS' EXCHANGE, and that is in the issue of October 6, where it states: "Quite a number of outdoor flowers are still coming in, the bulk of which are dahlias. Some colors of these sell fairly well, but the demand generally is light." By going back over the issues of the EXCHANGE, for eight years, I find dahlias in Philadelphia quoted nine times, and the highest quotation given is $1.50 per 100. When Mr. Peacock tries to belittle the price that Helen Gould brought, it is very evident he is not posted on the prices of dahlias in New York. I grew dahlias before I ever heard of Mr. Peacock (and I am quite young yet), and have sold more at 50c. and under per 100, than I have above that figure, and they were not what is known as dirt either,

O. B. COOMES, JR.

Stem Rot in Carnations.

Editor Florists' Exchange.

Responding to your Philadelphia correspondent's request about stem rot in carnations, my observations, extending over several years past, indicate to me that climatic conditions, rather than anything else, are the chief causes of the trouble. I would advance the opinion that the fungus development is rather a result of the condition than a cause. I have no doubt of one thing, however, which I believe to be the chief cause, and that is, I always look for (and never fail to find) stem-rotted plants after any high ranges of temperature; and whether the plants are in the cutting bench, field, or planted out in the houses, the results are the same, the quantities varying with preceding conditions. Thus, after heavy rains inducing soft growth, a rise of temperature into the nineties is, I find, a capital condition for the development of stem rot, the damage getting smaller as the wood was harder previously, yet there always appears to be some rot after each and every hot spell. Some varieties are also more susceptible to attack than others; the woodier ones being able to withstand it more than those of soft growth. These being the natural conditions in the field it follows, therefore, that first surroundings after planting in are in fine shape for a plentiful crop of stem rot, unless the weather be exceptionally favorable and cool. Usually, however, we get several spells of hot weather after planting in, and as there has been the additional drawback of disturbance of the roots, the results are more fatal. As the weather grows cooler, and the plants become established, it consequently follows that losses through the Winter are very few.

I have not yet been able to discover that deep planting had any bearing at all on stem rot, or that lime, salt, or anything else I have tried, had a deterrent effect. I have simply found the trouble after every hot spell whether indoor or out in greater or less degree, according to the previous circumstances.

I have not any suggestions to offer as to a preventive, but the rules I myself follow are to propagate only from the best selected plants I have, early; to plant out early, and to plant in medium early. I aim to get moderate sized plants, of stocky growth, and to have enough to fill the blanks either in pots or in a bench. Moreover, I don't disturb my beds till the plants are well established, simply contenting myself by picking off the weeds. By following these rules I don't think I suffer as much as I might otherwise do. S. B.

CLEVELAND, Ohio.—At time of writing (November 1) geraniums are a blaze of color. I saw the finest bed of double petunias this morning I have seen the entire Summer. This mild weather seriously affects the sale of plants, particularly chrysanthemums in pots, which are fine in this city—a show in themselves. At the Gasser greenhouses the best kinds are Helen Bloodgood, Viviand-Morel, Mrs. Jerome Jones, Ivory, Golden Wedding. Mrs. Conover makes too soft a growth in this latitude near the lake. Roses look vigorous, particularly Beauty and Cusin. Mr. Kennedy has plans made for two houses, each 240x25 feet, for roses for Summer blooming.

Herman Hart grows Bergmann and Glory of Pacific for earliest chrysanthemums. Mrs. Perrin, Bonnaffon and Morel constitute his best kinds. He grows single blooms and three and four to a plant to accommodate all classes of buyers. Just so soon as the benches are cleared hydrangeas take up the vacant space. A fine lot of stock may be seen at this place. With carnations, Victor and The Marquis bunched together, it requires an expert to tell them.

A. Graham & Son are not growing many large chrysanthemums. Three to four blooms to a plant find the readiest sale. Ivory is a leader. Carnations are looking well; Ethel Crocker is a favorite. While agreeing it is premature to pass judgment on the varieties of recent introduction, this sort shows up best of all for freedom and earliness of bloom.

August Schmitt plants his chrysanthemums in a unique way, each bed of one color. Ivory, Bonnaffon and Mrs. Perrin are his best and leading kinds. Some grand stock may be seen here—bold stems, leathery foliage, no sign of disease or that pesky worm that attacks plants of sickly growth or constitution. His new carnation houses are producing some fine blooms, which find ready sale, even at this rather dull time.

Smith & Fetters report brisk business in the decorative branch, and the advent of a cold snap would make them more than busy.

Wm. Brinker reports a first-class bulb season, which cleaned him out of stock. He is busy with tree planting in conjunction with Storrs, & Harrison Co., whose stocks, both in the nursery and under glass, never were in finer shape than at the present time.

UTICA, N. Y.—Wm. Mathews will have a fine lot of Cattleya labiata at Thanksgiving and C. Trianæ at Christmas. He holds his plants back. They are vigorous and full of promise.

W. M.

CARNATIONS In A No. 1 Shape.

Eldorado, Dana, Evanston, Portia, Scott, at $3.00 per 100. Booking orders for cuttings of Lawson, Crocker, Lord, Marquis, Olympia, Estelle, Elm City, at 25 Per Cent. Discount until December 1st.

DANA R. HERRON, Olean, N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS

WM. SWAYNE, Kennett Square, Pa.

Mention the Florists' Exchange when writing.

GET BUSINESS by advertising in a business number of the business paper—Florists' Exchange Christmas Number, December 8.

GOOD SCOTT CARNATION

plants from the field, $4 per 100; $35 per 1000.

Also some good

McGOWAN CARNATIONS

At same prices.

CHARLES E. MEEHAN,
Germantown, - Phila., Pa.

Mention the Florists' Exchange when writing.

CARNATIONS

F. DORNER & SONS CO., LaFayette, Ind.

Mention the Florists' Exchange when writing.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing.

CARNATION PLANTS ALL SOLD.

Ready to book your orders for rooted cuttings of all the leading varieties for Spring delivery. Let me quote you prices before placing your orders.

WM. MURPHY, Wholesale Carnation Grower,
Sta. F., CINCINNATI, Ohio.

Mention the Florists' Exchange when writing.

CARNATIONS

Ethel Crocker.

10,000 plants from which to take cuttings. Other varieties in proportion. Let me figure on your orders. I'll make it worth the trouble of writing for prices now.

AGERATUM "STELLA GURNEY"

Strong little plants, from rose pots, at $5.00 per 100, or $40.00 per 1000.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

100,000 Carnation Plants

LARGE, HEALTHY, FIELD-GROWN PLANTS.

	Per 100	Per 1000
WM. SCOTT	$2.50	$20.00
McGOWAN	2.50	20.00
EVELINA	2.50	20.00
ARMAZINDY	2.50	20.00
NIVEA	2.50	20.00

Orders for less than 50 of any variety not accepted.

PETER REINBERG,
51 Wabash Ave., Chicago, Ill.

Mention the Florists' Exchange when writing.

Carnation No. 666. Our record-breaking Carnation, hitherto known under No. 666, has been named by us

PROSPERITY.

For full particulars as to prices, etc., address **DAILLEDOUZE BROS., Flatbush, N.Y.**

Mention the Florists' Exchange when writing.

CRYPTOMERIA JAPONICA (JAPAN CEDAR) Takes the place of Araucaria Excelsa; sells everywhere and everybody is pleased with it; it is a money-maker. Strong stock, from 2 in. pots, $5.00 per 100; or send $1.00 for a sample of 20, and you will soon want more.
E. I. RAWLINGS, Quakertown, Pa.
Mention the Florists' Exchange when writing.

SMILAX PLANTS, strong bushy plants, 2 and 2½ in., $5 a 1000; 75 cts. a 100. CASH. Must be sold to make room. Sample free to intending buyers. Special price for larger lots.
R. KILBOURN, - - Clinton, N. Y.
Mention the Florists' Exchange when writing.

PANSIES
Best strain in vigorous plants, per 1000, $3.00; per 100, 40 cts.
VINCA VAR.
From field, per 100, $3.00 and $4.00.
Cash with order, please.
WILLIAM STUPPE, Hollis, L. I., N. Y.
Mention the Florists' Exchange when writing.

A NOVELTY IN PANSIES.
Pansy growers who fail to include the giant flowered **Mme. Perret** in their collections will not be "in it" next Spring. Gorgeous colorings and extra large flowers. Can be seen in bloom at my place now. Oz., $4.00; large trade pkt., 25c. Small sample free on application. All other varieties at lowest price.
BEAULIEU, Winker and Belmont Aves. Woodhaven, N. Y.
Mention the Florists' Exchange when writing.

Pansies Worth Raising
Again I can furnish, for immediate delivery, about 10,000 good PANSY PLANTS.
Price, $4.00 per 1000, f. o. b. express here.
Cash with order.
CHR. SOLTAU, 199 Grant Avenue, Jersey City, N. J.
Mention the Florists' Exchange when writing.

PANSIES
The Jennings Strain.
My 1900 strain cannot be excelled; plants, finest mixture, 60c. per 100, by mail; $4.00 per 1000, by express. Seed, $1 per pkge.; $5 per oz.
Cash with order.
E. B. JENNINGS, Lock Box 254. Southport, Conn.
Grower of the finest Pansies
Mention the Florists' Exchange when writing.

PANSY PLANTS
Giant, fine mixed, very strong, per 1000, $3.00.
Orders not solicited for less than 500. Special prices on 10,000 or more, buyer to pay express charges. Cash must accompany order.
JOHN LAPPE, - Maspeth, L. I.
The Largest Pansy Grower in America.
Mention the Florists' Exchange when writing.

OCTOBER PURPLE PLUM!
The best of all Burbank Plums. We have a large and fine stock of trees, one or two year's old on Plum and Peach stock. Address
STEPHEN HOYT'S SONS, New Canaan, Conn.
Mention the Florists' Exchange when writing.

HYDRANGEA P. G.
5 to 10 inches, heavily rooted.....$25.00 per 1000
1 to 2 feet, heavily rooted, stocky 40.00 "
2 to 3 feet, X " " " 70.00 "
Prices Fall only; shipment Fall or Spring.
Double Snowball same prices.
JENKINS' EVERGREEN & SEEDLING NURSERIES, WINONA, OHIO.
Mention the Florists' Exchange when writing.

HEDGE PLANTS
Evergreen { HEMLOCK SPRUCE, NORWAY SPRUCE, AMERICAN ARBOR VITÆ.
Deciduous { CALIFORNIA PRIVET, OSAGE ORANGE, BERBERIS THUNBERGII, ALTHÆAS, ETC.
Various sizes at popular prices.
THE WM. H. MOON CO., Morrisville, Pa.
Nurseries: { 60 miles from New York. 30 miles from Phila.
Phila. Office: 702 Stephen Girard Bldg.
Mention the Florists' Exchange when writing.

HOLLY GEE!!!
TOO SOON TO ORDER YOUR HOLLY? GUESS NOT!
HOLLY—XXX brand "hand picked," dark green foliage, long branches and well berried.
HOLLY—XX brand "hand picked," dark green foliage, well berried, short branches.
Really good Holly is always scarce. Early orders will secure first pick. I buy mine in open market and examine every case personally.
English, French and American Mistletoe, "hand picked and guaranteed."
Wild Smilax, Palm Leaves, Cut Laurel and all kinds of "Green Goods."
PRICE LIST OF ALL ABOVE ON APPLICATION.
GALAX LEAVES, Brilliant Bronze, $1.50 per 1000; Green, $1.25 per 1000. Fancy Fern, Dagger Fern, etc., ...at market prices.
HARRY A. BUNYARD, 38 West 28th St., New York.

Springfield, Mass.

Your correspondent was misinformed about the source of the fine chrysanthemums mentioned in a former letter. Frank Burfett, in charge of Mark Aitken's greenhouses, was the grower. He has had the best grown flowers raised in this section for some time.

D. J. Murphy, who has been in the growing business near Boston for several years, has leased the Eastern Avenue greenhouses formerly managed by C. F. Fairfield, and will grow for the trade. He gave a chrysanthemum show at the greenhouses, November 3, that was well attended. Some well-grown plants were shown.

William Wilkinson, who has been at the Boston and Albany greenhouses for some time, is now in the employ of Mark Aitken. G.

Boston.

The Market.

Business maintains its even condition. Roses have shortened up somewhat in supply, but there is still a sufficient quantity of all kinds, daily. With an increased demand the curtailment would be more felt, and prices would benefit. Beauty were held at slightly higher prices for a day or two this week; but these could not be sustained. Bride and Bridesmaid have improved in quality, and values on them are a little better. Carnot are in fair supply and meet with a ready sale at from $4 to $12.50 per 100. Liberty are scarce, but when procurable sell very well at from $4 to $8, for ordinary grades, extras going at $10 and $12.50, while a few fancy specials make $16. Morgan, Meteor, etc., are still small and move slowly.

Carnations continue very plentiful. Chrysanthemums are as abundant as ever. White varieties now most prominent are Ivory and Wanamaker. In yellow, Bonnaffon, Peter Kay and Rieman are coming best; and Mrs. Perrin and John Shrimpton are the most popular pink and red kinds, respectively. Prices (up to Wednesday) ranged from $3 to $6 for ordinary sizes, while fancies of all descriptions made $8, $10 and $12.50 per 100.

Violets have commenced to shorten up in quantity, but the quality is very well maintained, and prices hold steady. Valley is plentiful, at usual figures. A few Paper White narcissus and Roman hyacinths are in, and make about $2 per 100.

Jottings.

The Garden Committee of the Massachusetts Horticultural Society visited the greenhouses of Edmund M. Wood, the Waban Rose Conservatories, at Natick, on Thursday, November 15.

Welch Bros. are receiving a very fine lot of American Beauty roses.

A change was made in Edmund M. Wood & Co.'s corps of salesmen last week. Duncan Robertson, who had one of the teams, returned to Scotland, and Del Cartwright, who had been at the stalls in the Flower Market, succeeded him. Mr. Donahue is now looking after the business at the Market.

H. N. Eaton, of South Sudbury, brought in the first Harrisii lilies of the season on Tuesday.

J. W. Tailby & Son have been cutting some very good Paper White narcissus, and Roman hyacinths for so early in the season.

William H. Elliott is cutting some of the finest Liberty roses on the Boston Market, and finds the demand in excess of the supply, very good prices being realized.

William R. Smith, Washington, D. C., was in town last week.

SPECIAL FOR THANKSGIVING
We Offer for $5 (A No. 1 Stock.) { 1000 Hardy Cut Ferns, 1000 Fancy Cut Ferns, 1000 Bronze Galax | 1000 Green Galax, And 1 Bundle Branch Laurel
HENRY M. ROBINSON & CO., 36 Court Square, BOSTON, MASS.
Mention the Florists' Exchange when writing.

W. H. Elliott, William Nicholson, and Alex. Montgomery, went to Philadelphia and New York, to take in the chrysanthemum exhibitions.

Chrysanthemum Exhibition.

In the class for best vase of chrysanthemums arranged on long stems in the Society's large china vases, the medals, one of silver and the other of bronze, were awarded to Col. Chas. Pfaff and Est. of John Simpkins, respectively. Robert Montgomery received a bronze medal for his rose, Mrs. Oliver Ames. F. J. N.

Providence, R. I.

Market Notes.

There has been a decided improvement in business since last writing; the cold weather stimulating a demand for cut flowers, combined with several weddings of note, and an unprecedented demand for design work. The sound money Republican parade Saturday evening, November 3, called for several thousand yellow chrysanthemums; several automobiles, and carriages were lavishly decorated for the occasion. Retailers report good trade ever since the election. Violets are the only Fall flowers that are scarce. The plants look healthy, but are not producing blooms. Good stock, however, can be had from Boston at 50c. per 100.

Chrysanthemums sell well, the medium sized blooms going best. Among the largest growers of these is Farquhar Macrae, whose new range of houses is in excellent condition, filled to overflowing with chrysanthemums, roses and carnations. Among the finest chrysanthemums seen in this section is Col. D. Appleton. This variety, exhibited at Newport this week, by F. Macrae, took first prize for vase of 10 yellow. Farquhar and John Macrae, Alex. Miller, J. B. Canning, N. D. Pierce, E. J. Johnston and a few others from this city, visited the show. The Newport boys provided an excellent dinner for all the visitors.

Club News.

The meeting of the Florists and Gardeners' Club, held last week, was largely attended. It being election night at the club, the following were the officers chosen for the ensuing year: William Hill, president; M. Sweeney, vice-president; F. Macrae, treasurer; Alexander Rennie, secretary. It was voted that the annual dinner be held on the second Thursday in January. At an early hour the meeting adjourned, as many of the members wished to call at the home of Mr. Sweeney, and extend sympathies to him in his late bereavement by the sudden death of his daughter, Elizabeth.

Jottings.

Hazard & Cutler, of Woonsocket, have recently moved into their new store. It is one of the best equipped in town.

H. W. Pierce has been very ill with a complication of diseases; last reports we are glad to hear, announce that he is improving. His friends wish him a speedy recovery. James McKenna of Providence has charge of the work for the present.

The chrysanthemum show now going on bids fair to surpass that of last year. A. M.

HOLLY C. E. BROWN, Bridgeville, Del.
PACKER AND DEALER.
Orders now booked for dark green, well-berried Holly. Holly Wreaths and Laurel in small and car lots.
Mention the Florists' Exchange when writing.


PALM LEAVES
Fresh Green, Long Stems.
Extra large, $6 per 1000
Large size... 5 "
Medium..... 4 "
Cash with order, please.
FLORIDA NATURAL PRODUCTS CO.,
P. O. Drawer, 623.
Jacksonville, Fla., U.S.A.
Mention the Florists' Exchange when writing.

Delaware **HOLLY**
Of the best grade, from the swamps, with bright green foliage and well berried. Orders will now be received for shipments, which will go forward, freshly packed, at the proper time. For prices and terms address
ALEX. PULLEN, Milford Nurseries, Milford, Del.
Mention the Florists' Exchange when writing.



Engage your ferns for Winter now, price, 75c a 1000. Best Laurel Festooning, 4c. to 6c. a yd. Telegraph New Salem, Mass.
CROWL FERN CO., Millington, Mass.
Mention the Florists' Exchange when writing.

Holly AND Decorative Greens
By ordering your Holly of us, you save $3.00 on every case as we do our own packing. Come direct from woods and prices the lowest. Red Seal Holly, dark green leaves, well berried, $2.75 case. Laurel Roping, heavy tied, 8 cts. yard. Holly Wreaths, on wire, $5.00 a 100. Write for special prices on large orders. Terms cash.
A. K. SAVACOOL, Lewes, Del.
Mention the Florists' Exchange when writing.


FANCY DAGGER
HARDY CUT FERNS
In 1000 lots, 75c. per M. Discount on larger orders.
Also dealer in Sphagnum Moss, Bouquet Green, Christmas Trees, etc., etc.
L. B. BRAGUE, Hinsdale, Mass.
Mention the Florists' Exchange when writing.

J. K. ALLEN,
Wholesale Commission Dealer in
CUT FLOWERS
106 W. 28th Street, New York.
Orders by mail or telegraph promptly attended to. Telephone, 167 Madison Square.
Fine ROSES and CARNATIONS, Specialties.

HEADQUARTERS FOR NOVELTIES
Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
ORCHIDS A SPECIALTY.
JAMES McMANUS, Telephone, 759 Madison Square. 50 W. 30th St., NEW YORK

FRANK MILLANG,
Wholesale Commission Dealer in
CUT FLOWERS
408 E. 34th St., NEW YORK CITY.
Cut Flower Exchange.
Telephone Call, 299 Madison Square.

YOUNG & NUGENT, WHOLESALE FLORISTS
42 West 28th Street, New York.
SUPERB ORCHIDS, VIOLETS and VALLEY.
Choice Roses and Carnations, all leading varieties, also rare novelties.
SHIPPING A SPECIALTY. PRICE LIST ON APPLICATION.
Telephone 2063 Madison Square.

BROOKLYN FLORISTS WANT BEST FLOWERS.
They Buy Stock from A. H. LANGJAHR, Wholesale and Commission Florist. Telephone 939 Main,
19 BOERUM PLACE, BROOKLYN, N. Y.
Consignments Wanted, Especially Good Roses.

Growers Attention! "Always Ready to Receive Fine Stock."
WILLIAM H. GUNTHER,
30 WEST 29th SRTEET, - - NEW YORK.
VIOLETS. ROSES. CARNATIONS. ORCHIDS.
ESTABLISHED 1888.

THE BUSY STORE
IS
J. K. ALLEN'S
Wholesale Commission Dealer
Telephone 167 Madison Square
106 West 28th St., NEW YORK
SPECIALTIES
Beauties, Brides, 'Maids, Violets, Valley, Carnations, Chrysanthemums, Lilies and all Bulbous Flowers.
ALWAYS ROOM FOR GOOD STOCK
Strict Attention to Business
CONSIGNMENTS SOLICITED

Mention the Florists' Exchange when writing.

ROSES VIOLETS
BLAUVELT BROTHERS
Wholesale Florists
49 West 29th St. New York
Telephone, 3209 Madison Square. Consignments Solicited.
SWEET PEAS CARNATIONS

Established 1891. 'Phone 1239 Madison Square.
G. E. BRADSHAW,
Wholesale Commission Florist,
Choice Cut Flowers,
53 WEST 28th STREET, - NEW YORK.
Bet. B'way and 6th Ave.

CUT FLOWER EXCHANGE
404-412 E. 34th St., N. Y., near Ferry.
Open every Morning at 6 o'clock for the Sale of Cut Flowers.
This is not a commission house; the market consists of individual stands.
Wall Space for Advertising Purposes to Rent.
J. DONALDSON, SECRETARY.

ALEX. J. GUTTMAN.
(Successor to Blauvelt & Guttman)
52 W. 29th St., NEW YORK,
Wholesale Commission Florist.
Consignments of first-class stock solicited.
Orders by mail or telegraph receive the best of attention. PHONE 1738 Madison Sq.

MICHAEL A. HART
Wholesale Florist,
44 W. 29th Street, NEW YORK.
Specialties—All kinds of
ROSES, VIOLETS AND CARNATIONS.
Tel., 325 Madison Sq. Consignors Solicited.

HICKS & CRAWBUCK,
Wholesale Commission Florists,
108 LIVINGSTON ST.,
Consignments Solicited. BROOKLYN, N. Y.
Telephone 1725 MAIN.

Mention the Florists' Exchange when writing.

W. GHORMLEY,
WHOLESALE COMMISSION FLORIST,
SPECIAL ATTENTION GIVEN TO SHIPPING ORDERS.
Consignments of Novelties and all Seasonable Flowers Solicited, and Returns Made Weekly.
57 West 28th Street, Telephone 2200 Madison Sq. NEW YORK.

Wholesale Prices of Cut Flowers, New York, November 16, 1900.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. Beauty, fancy—special	25.00 to 35.00
	" extra	15.00 to 20.00
	" No. 1	8.00 to 10.00
	" Culls & ordinary	4.00 to 6.00
	Bride, 'Maid, fancy—spc'l	6.00 to 8.00
	" extra	4.00 to 5.00
	" No. 1	3.00 to 4.00
	" No. 2	2.00 to 3.00
	K. A. Victoria	3.00 to 8.00
	La France	1.00 to 3.00
	Liberty	2.00 to 10.00
	Meteor	2.00 to 10.00
	Papa Gontier	..... to .....
	Perle	2.00 to 4.00
Adiantum		.50 to .75
Asparagus		25.00 to 35.00
Asters		..... to .....
Callas		8.00 to 10.00
Chrysanthemums		3.00 to 10.00
	" fancy	12.00 to 25.00
Daisies		.50 to .75
Gladiolus		..... to .....

Carnations	Inf'r grades, all colors	.50 to .75
	Standard Varieties: White	.75 to 1.25
	Standard Varieties: Pink	.75 to 1.25
	Standard Varieties: Red	.75 to 1.25
	Standard Varieties: Yel. & Var.	.75 to 1.25
	*Fancy (*The highest grades of standard var.): White	1.50 to 2.00
	*Fancy (*The highest grades of standard var.): Pink	1.50 to 4.00
	*Fancy (*The highest grades of standard var.): Red	1.50 to 2.00
	*Fancy (*The highest grades of standard var.): Yel. & Var.	1.50 to 2.00
	Novelties	4.00 to 6.00
Lilies		..... to .....
Lily of the Valley		3.00 to 5.00
Mignonette—ordinary		.25 to 1.00
	" fancy	..... to .....
Orchids—		
	Cattleyas	40.00 to 50.00
	Cypripediums	..... to 12.00
	Dendrobium formosum	15.00 to 25.00
Smilax		8.00 to 10.00
Tuberoses		..... to .....
Violets—ordinary		1.00 to 1.50
	" fancy	1.75 to 2.00

WALTER F. SHERIDAN,
Wholesale Commission Dealer in
CUT FLOWERS
39 West 28th Street, New York.
Receiving Extra Quality AM. BEAUTIES and all other varieties of Roses.
TELEPHONE, 902 MADISON SQUARE CARNATIONS.

JULIUS LANG,
Wholesale Florist
53 WEST 30th ST.,
Consignments Solicited. NEW YORK.
TELEPHONE 280 MADISON SQ.

S. J. LIMPRECHT,
Wholesale Commission Florist
AND FLORISTS' SUPPLIES.
Also all kinds of Greens for Decorations.
119 WEST 30th ST., NEW YORK.
Consignments Solicited. Tel. 1446 Madison Sq.

We have a fine grade of everything in market at present.
Send us a Trial Order and we will do the rest.
EDW. C. HORAN,
47 West 28th Street,
Telephone, 421 Madison Sq. NEW YORK.
CUT FLOWERS AT WHOLESALE.
Receiving Daily Fine
PRES. CARNOT
KAISERINS,
METEORS,
BEAUTIES,
Etc.
Mention the Florists' Exchange when writing.

MOORE, HENTZ & NASH,
WHOLESALE
Commission Florists,
Located in Salesroom of the New York Cut Flower Co.
119-121 W. 23d St., New York.
Telephone 733 18th St.

THE NEW YORK CUT FLOWER CO.
119-121 West 23d St.,
112-114 West 24th St.,
Telephone, 733—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

CARNATIONS ROSES
John I. Raynor,
49 West 28th St.,
Telephone 1998 Madison Square. New York.
VIOLETS VALLEY

THE VIOLET SPECIALIST,
GEORGE SALTFORD,
at 50 West 29th St., New York,
Devotes his whole time to selling VIOLETS.
Fair dealing and prompt payments guaranteed

FRANK H. TRAENDLY. CHARLES SCHENCK.
TRAENDLY & SCHENCK,
WHOLESALE FLORISTS
and CUT FLOWER EXCHANGE,
38 W. 28th St., New York.
Telephones, 798 and 799 Madison Sq.
Consignments Solicited.

JOHN YOUNG,
Wholesale Florist
51 West 28th St., New York.
CYCAS PALM LEAVES always on hand

Mention the Florists' Exchange when writing.

WALTER F. SHERIDAN

39 West 28th Street
NEW YORK

Cut Flowers at Wholesale

DO YOU WANT SPECIAL GRADE BEAUTIES, VIOLETS, CARNATIONS, OR, IN FACT, ANYTHING IN THE CUT FLOWER LINE? YOU WILL FIND IT HERE.

Out-of-town Orders will receive Prompt Attention. Consignments Solicited

NOTES BY THE WAY.

ERIE, Pa.—S. A. Baur has added a house 145x25 feet, planted with McKinley, a bright orange chrysanthemum; very fine, sturdy habit, one of the best plants on the place. Glory of the Pacific was immense. Hydrangea otaksa is grown in large numbers and is doing well. I was shown a seedling carnation—a beautiful type of Daybreak. At present a halo of mystery surrounds it, but more will be heard of this gem in due season.

Herbert Tong is picking some of the finest Marie Louise violets seen outside of the Hudson River district. They find their way further, perhaps, as the bulk are shipped to Washington, where, also, some of his grand chrysanthemums, Mrs. G. M. Pullman and Mrs. Robinson, go.

BUFFALO, N. Y.—Vice-President Kasting intends keeping, not open house, but open commission store all night to accommodate patrons residing out of town; also for the purpose of handling consignments arriving late in the day in better shape.

Wm. Scott is receiving fine pickings of the new carnations from Corfu. As growing there Lawson, Crocker and The Marquis are perfectly satisfactory. Chrysanthemums at Cold Springs are selling at a lively rate. Polly Rose, Yellow Monarch are the earliest and are past. Glory of the Pacific, Ivory and Golden Wedding are now in perfect condition to cut.

W. J. Palmer & Son are as strong as ever on Daybreak carnations, which, with Meteor rose, are two of the chief items grown extensively at Lancaster. A feature in window decorations is a large basket of Cattleya labiata, lily of the valley and adiantum.

I ran out to South Park and interviewed J. F. Cowell, who tells me that by the time the Pan-American throws open its gates the grading required to finish the grounds surrounding the noble block of houses under his charge will be completed. Without a doubt, the most complete collection of palms and stove plants possessed by any institution can be seen here. The professor is justly proud of his charges from Cornell, Albright, and gathered by himself in the southern zone. All are in a flourishing condition.

Those who contemplate a visit to the Bison City next year—and that means every one—must not fail to make the trip to these young, but perfectly formed and conducted, botanic gardens and park.

Pan-American business is tersely given us by Superintendent Scott in his periodical bulletins. The season has been very favorable to planting, which goes on merrily. Buildings are going up rapidly. Some are almost completed, and the various tints being used, together with ornate architectural designs, are producing the most beautiful effects, never before seen.

ROCHESTER, N. Y.—J. B. Keller's Sons have a batch of chrysanthemums that are peerless. One can hardly realize that plants raised from seed sown in September a year ago can be grown to such mammoth proportions.

Wholesale Prices of Cut Flowers—Per 100

Names and Varieties	Boston Nov. 8 1900	Philadelphia Nov. 15, 1900	Baltimore Nov. 14, 1900	Buffalo Nov. 14, 1900	Toronto Oct. 29, 1900
A. BEAUTY, fancy—special	25 00 to 30.00	25.00 to 40 00	.... to	25.00 to 30.00	.... to ....
" extra	16 00 to 20.00	15 00 to 25.00	.... to	15.00 to 20.00	15.00 to 25.00
" No. 1	6.00 to 12 50	0.00 to 15.00	12.00 to 20.00	10.00 to 14.00	10.00 to 15.00
" Culls & ordinary	2.00 to 5.00	5.00 to 10.00	5.00 to 10.00	5.00 to 8.00	.... to ....
Bride, Maid, fancy—spc'l	... to 5.00	.... to 8.00	.... to	.... to	.... to ....
" extra	3.00 to 4.00	6.00 to 8.00	.... to	4.00 to 5.00	.... to 8.00
" No. 1	2.00 to 3.0	3.00 to 5.00	4 00 to 5.00	2.00 to 3.00	4.00 to 6 00
" No. 2	.... to 1.00	1.50 to 3.00	2.00 to 3.00	1.00 to 2.00	1.00 to 3.00
Roses. K. A. Victoria	2.00 to 8.00	2.00 to 8.00	2.00 to 4.00	2.00 to 6.0	.... to ....
La France	.... to ...	3.00 to 8.00	2.00 to 5.00	.... to	.... to ....
Liberty	.... to ...	10.00 to 15.00	... to ...	.... to ...	.... to 15.00
Meteor	1.00 to 3.00	3.00 to 8.00	3.00 to 5.00	1.00 to 5.00	1.00 to 6.00
Papa Gontier	.... to ..	.... to	2.00 to 3.00	.... to	.... to ....
Perle	2.00 to 4.00	3.00 to 4.00	2.00 to 4.00	.... to	.... to ....
ORCHIDS—Cattleyas	.... to 16.00	35.00 to 50.00	.... to	.... to	25.00 to 30.00
Cypripediums	.... to ...	.... to	.... to	.... to ...	10.00 to 15.00
Dendrobium formosum	.... to ...	.... to	.... to	.... to	.... to ....
Carnations. Inf'r grades, all colors	.50 to .75	.50 to .75	.75 to 1.00	.60 to 1.00	.... to .75
STANDARD VARIETIES White	.... to 1.00	1.00 to 1.50	1 25 to 1.5	1.00 to 1.25	.... to 2.00
STANDARD VARIETIES Pink	.... to 1.00	1 00 to 1.5	1.25 to 1.50	1.00 to 1.25	.... to 2.00
STANDARD VARIETIES Red	.... to 1.00	1.00 to 1.50	1 25 to 1.50	1.00 to 1.2	.... to 2.00
STANDARD VARIETIES Yel.&Var	.... to 1.00	1.00 to 1.5	1.25 to 1.5	1.00 to 1.25	.... to 2.00
*FANCY— White	1.00 to 1.50	1.50 to 3.00	.... to	1.50 to 2.00	.... to 2.00
*FANCY— Pink	1 00 to 1.50	1.50 to 3.00	1.75 to 2.00	1.50 to 2.00	.... to 3.00
(*The highest grades of standard var) Red	1.00 to 1.50	1.50 to 3.00	.... to	1.50 to 2.00	.... to 3.00
(*The highest grades of standard var) Yel.&Var	1.00 to 1.50	1.50 to 3.00	.... to	1.50 to 2.00	.... to 3.00
NOVELTIES	1.50 to 2.00	2.00 to 3.00	.... to	.... to	.... to 3.00
ADIANTUM	.50 to 1.00	.75 to 1.0	.... to 1.00	.75 to 1.00	.... to .50
ASPARAGUS	.... to 50.00	25.00 to 50.00	35.00 to 50.00	50.00 to 60.00	30.00 to 50.00
CALLAS	... to	.... to	6.00 to 8.00	8.00 to 10.00	... to 6.00
CHRYSANTHEMUMS	3.00 to 6.00	6.00 to 10.00	3.00 to 8.00	2.00 to 6.0	.50 to 4.00
" Fancy	8.00 to 16.00	15.00 to 20.00	10.00 to 16.00	10.00 to 15.00	6.00 to 15.00
LILIES	.... to ...	.... to	.... to	.... to	.... to 4.00
LILY OF THE VALLEY	2.00 to 4.00	2.00 to 5.00	.... to	3.00 to 4.00	2.00 to 4.00
MIGNONETTE—ordinary	1.00 to 2.00	.... to	.... to	.... to ...	.... to ....
" fancy	.... to	.... to	.... to	.... to	.... to ....
SMILAX	10.00 to 12.50	.... to 15.00	10.00 to 25.00	12.00 to 15.00	12.50 to 25.00
VIOLETS—ordinary	.35 to .50	.25 to .75	.... to ...	.30 to .40	.40 to .50
" fancy	.... to .75	.75 to 1.00	.35 to .50	.60 to 1.00	.... to .75

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'Maids
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Cedar Falls, Ia.

O. M. Elliott, formerly of Oskaloosa, is now with Joseph Bancroft & Son. The firm recently added another large greenhouse to their plant.

Kansas City.

The safe of A. F. Barbe, florist, Fifteenth street and Elmwood avenue, was broken into October 29, and a watch, two gold rings and $5 taken. The thief got into the safe by knocking the combination off with a hammer.

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Chicago.

State of Trade.

Since the weather has become cool and more seasonable, there is a decided slackening up of the supply of stock sent in, especially roses, and if the demand did not keep below normal for this time of the year, prices would surely advance to more reasonable figures, which condition at time of writing is not much in evidence. It is, however, the general feeling that in a week, or by Thanksgiving, and with the settling down to business after election, a better state of things will prevail. This is sincerely to be hoped, as certainly, so far, prices are below those of a year ago, which, by the way, is especially true of the chrysanthemum sales. Even the flower show, this year, contrary to custom in this city, does not seem to have had any beneficial effect in booming values. There are very few sales made at $3 per dozen, and the blooms must be fancy to fetch that figure. Good flowers, like Bonnaffon and Ivory, are sold at from $1 to $1.50, while $2 to $2.50 may be considered top notch for extra fancy blooms. Even the Greeks offer good stock on the streets, when they can get it, at $1 to $1.25 per dozen, while very good common flowers may be bought at from $3 to $6 per 100.

Carnations are not so over-abundant and sell as well as anything; the pick of the market at from $2 to $3—a slight advance over last week's figures.

For violets, there is only a moderate demand. Romans and Paper White narcissus are dull at $2 to $3. The supply of valley is about equal to the demand, at $3 to $4.

The Annual Club Banquet.

The annual banquet to the judges and visiting florists was held at the Egyptian Hall, Auditorium Hotel, on the night of Thursday, November 8, about 75 being present. The tables, as befitting the occasion, were elegantly decorated. The banquet was a brilliant success in every way, and Willis N. Rudd, as a committee of one, did all he promised to do.

On cigars being lighted the president in a few well chosen words of welcome, appointed J. C. Vaughan as toastmaster. Mr. Vaughan, with sundry happy remarks, introduced the president-elect of the S. A. F., Patrick O'Mara, New York, who, in his usual pleasing manner, told of what the society had done for the florists, and of course interspersed his remarks with several of his good stories before he got through.

What Mr. O'Mara did not think of, the two ex-presidents of the society—John N. May and E. Gurney Hill—when called upon, did, referring especially to the wonderful progress in the florist's business made since the society's inception. Other speakers were W. N. Rudd, John Thorpe, G. L. Grant, for the trade papers, G. A. Rackham and Harry Balsley, J. C. Rennison, C. C. Pollworth and George A. Kuhl. The Florists' Club quartette rendered a number of songs, being encored every time; and Fritz Blumenschneider sent one of his comical letters, through C. Colbrand. Balluff told a big story of the "banan" and George Washington and his little hatchet, the affair winding up with the singing of Auld Lang Syne, led by Edgar Sanders and the quartette.

On Dits.

It took eleven of the George Witthold Co.'s wagons, and one large van, to carry the firm's exhibits to and from the flower show.

Some of the chrysanthemum plants, from J. C. Vaughan's exhibits, were sent to Milwaukee, at the close of the exhibition.

Nick Wietor says that while roses are partially off crop, he thinks they are just right for Christmas trade.

McKellar & Winterson are handling a fine grade of Christmas greens, and have begun winding, rather early. Ess.

E. H. HUNT,
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Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Chicago Nov. 14, '00	St. Louis Nov. 12 '00	Cincinnati Nov. 12, '00	Milwaukee Nov. 12 '00	Pittsburg Nov. 13 '00
Roses	A. BEAUTY, fancy—special.	25.00 to 30.00	.... to 25.00	25.00 to 35.00	18.00 to 25.00	20.00 to 30.00
	" extra	15.00 to 20.00	15.00 to 20.00	20.00 to 25.00	12.50 to 15.00	12.00 to 15.00
	" No. 1	8.00 to 10.00	8.00 to 12.50	.... to 15.00	8.00 to 10.00	8.00 to 10.00
	" Culls & ordinary	3.00 to 5.00	5.00 to 6.00	6.00 to 8.00	4.00 to 6.00	3.00 to 5.00
	Bride, Maid, fancy-spec'l	4.00 to 5.00	.... to 5.00	.... to 5.00	.... to 6.00	6.00 to 8.00
	" extra	3.00 to 4.00	3.00 to 4.00	.... to 4.00	.... to 4.00	4.00 to 5.00
	" No. 1	1.00 to 2.00	... to 2.00	.... to 3.00	.... to 3.00	2.00 to 3.00
	" No. 2	.... to .75	1.00 to 1.50	.... to 2.00	... to 2.00	1.00 to 1.50
	K. A. Victoria	4.00 to 5.00	2.00 to 4.00	.... to	4.00 to 6.00	4.00 to 8.00
	La France	.... to	.... to	.... to	to	to
	Liberty	3.00 to 5.00	.... to	... to ...	4.00 to 6.00	2.00 to 4.00
	Meteor	2.00 to 4.00	2.00 to 4.00	3.00 to 6.00	2.00 to 5.00	2.00 to 6.00
	Papa Gontier	.... to	.... to	.... to	.... to	.... to ....
	Perle	2.00 to 4.00	2.00 to 4.00	3.00 to 4.00	3.00 to 4.00	2.00 to 4.00
	ORCHIDS—Cattleyas	40.00 to 50.0	.... to	.... to	.... to	.... to ....
	Cypripediums	.... to	.... to	.... to	.... to	.... to ....
	Dendrobium formosum	.. to ..	.... to ..	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	.50 to .75	. to .75	.... to 1.00	.... to 1.00	.... to ....
	STANDARD VARIETIES White	1.00 to 1.25	.... to 1.00	1.25 to 1.50	.... to 1.00	.75 to 1.00
	STANDARD VARIETIES Pink	1.00 to 1.50	.... to 1.00	1.25 to 1.50	.... to 1.00	.75 to 1.00
	STANDARD VARIETIES Red	1.00 to 1.50	.... to 1.00	1.25 to 1.5	.... to 1.00	.75 to 1.00
	STANDARD VARIETIES Yel.&Var.	1.00 to 1.50	. to 1.00	1.25 to 1.50	.... to 1.00	.75 to 1.00
	*FANCY— White	1.25 to 1.50	1.50 to 2.00	.... to 2.00	1.50 to 2.00	1.50 to 2.00
	*FANCY— Pink	2.00 to 3.00	1.50 to 2.00	.... to 2.50	1.50 to 2.00	1.50 to 2.00
	(*The highest grades of standard var) Red	2.00 to 3.00	1.50 to 2.00	.... to	1.50 to 2.00	1.50 to 2.00
	(*The highest grades of standard var) Yel.&Var.	1.50 to 2.00	1.50 to 2.00	.... to	1.50 to 2.00	1.50 to 2.00
	NOVELTIES	.... to	.... to	.... to	3.00 to 4.00	.... to ....
	ADIANTUM	.75 to 1.00	.... to	.... to 1.00	.... to .75	.75 to 1.00
	ASPARAGUS	40.00 to 50.00	.... to	.... to	20.00 to 40.00	35.00 to 50.00
	ASTERS	.... to	.... to	.... to	.... to	.... to ....
	CALLAS	.... to	.... to	.... to	10.00 to 12.50	.... to ....
	CHRYSANTHEMUMS	5.00 to 8.00	4.00 to 12.5	3.00 to 8.00	4.00 to 8.00	4.00 to 8.00
	" Fancy	10.00 to 25.00	15.00 to 25.0	10.00 to 15.00	12.50 to 25.00	10.00 to 20.00
	DAISIES	.... to	.... to	.... to	.... to .50	.... to ....
	GLADIOLUS	.... to	.... to	.... to	.... to	.... to ....
	LILIES	.... to	.... to	.... to	.... to	.... to ....
	LILY OF THE VALLEY	3.00 to 4.00	3.00 to 4.00	.... to 4.00	.... to	2.00 to 4.00
	MIGNONETTE—ordinary	.... to	.... to	.... to	.... to 3.00	.75 to 1.00
	" fancy	.... to	. to	.... to	.... to 4.00	.... to ....
	SMILAX	10.00 to 12.50	12.50 to 15.00	12.50 to 15.00	.... to 15.00	10.00 to 15.00
	TUBEROSES	.... to	.... to	.... to	.... to	.... to ....
	VIOLETS—ordinary	.40 to .50	.... to .25	.... to .50	.... to .50	.25 to .50
	" fancy	.75 to 1.00	.35 to .50	.... to .75	.75 to 1.00	.60 to .75

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OFFICE AND SALESROOM,
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Headquarters for AMERICAN BEAUTIES.

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Let us figure on your wants.
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OUR SPECIALTIES ARE
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CHAS. H. RICKSECKER, Linville, N. C.

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HARLAN P. KELSEY,
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Place your order with PULLEN. Place it now for the very best grade of bright green foliage, well berried, fresh from the swamps.

Holly Wreaths. Only first-class materials used—fresh green leaves plentifully clustered with berries. In ordering be sure and state sizes wanted and number of berry clusters desired on each. Goods shipped at proper time or on your order, carefully packed. Prices are most reasonably low.

Nursery Stock. All varieties of fruit—Peach, Pear, Apple, Plum, Cherry, Apricot, Quince—every one warranted true to name. Have an extra fine block of Japanese Plum.

Plants. Can furnish anything you wish in plants.
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CUT FLOWER PRICES.

Roses, Am. Beauties, select	per doz.,	$2.50 to	$3.00
" " medium	"	1.50 to	2.00
" " short	"	.75 to	1.25
" Meteors, Liberty	per 100,	3.00 to	5.00
" Brides, Bridesmaid	"	3.00 to	4.00
" Perles, La France	"	3.00 to	4.00
" Our selection	"	3.00	
Carnations, extra select	"	1.50 to	2.00
" good quality	"	1.00 to	1.25
" our selection	"	.75 to	1.00
Chrysanthemums, extra select	"	20.00 to	25.00
" good quality	"	10.00 to	12.50
" short stems	"	5.00 to	8.00
Orchids, Cattleyas, select	per doz.,	5.00 to	6.00
" " good	"	4.00 to	4 50
" Cypripediums, select	"	1.50 to	2.50
" assorted Sprays, etc.	per box,	5.00 to	25.00
Violets, extra select	per 100,	1.00	
" good quality	"	.50 to	.75
Valley, extra select	"	3.00 to	4.00

DECORATIVE STOCK.

Ferns, Adiantum	per 100,	$0.50 to	$0.75
" Common fancy	"		.20
" "	per 1000,		1.50
Ivy Leaves, fancy	per 100, 25c.;	"	2.00
Galax Leaves, fancy	" 15c.;	"	1.25
Leucothe Sprays	" 60c.;	"	5.00
" "	per 100,		.75
Smilax, extra select	per doz.,	$1.50 to	2.00
" choice ordinary	per 100,	10.00 to	12.50
Asparagus Plumosus, select strings	per doz.,	5.00 to	6.00
Asparagus Plumosus, sprays	per bunch,		.50
Wild Smilax, No. 1, contains 15 lbs.	per case,		2 00
" No. 2, " 20 lbs.	"		2.50
" No. 3, " 25 lbs.	"		3.00
" No. 4, " 35 lbs.	"		4.00
" No. 5, " 40 lbs.	"		5.50
" No. 6, " 50 lbs.	"		6.00

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We are booking orders on all the following goods for December delivery. We guarantee our prices as low as any reputable house:

Select Delaware Holly	per case,	$4.50
" " "	5 cases,	20.00
Bouquet Green, strictly fresh stock	per case,	4.50
" " " " "	5 cases,	20.00
Bouquet Green Wreathing	per 100 yards,	3.00

Holly Wreaths, Green Wreaths, Mistletoe, Wild Smilax, Xmas Trees, Needle Pines, Cape Flowers, Immortelles, and all **decorative stock** at lowest prices.

Write for our special quotations on ton lots on **Bouquet Green,** car lots on **Holly** and **Bouquet Green.**

PLACE ORDERS EARLY WITH US and receive the best stock in the market.

SUPPLIES, ETC., ETC.

Sphagnum, burlap bales	each, $1.00;	6 for $5.00
" wire pressed	" .75;	6 for 4.00
Tobacco Stems, fresh	200 lbs. for	1.50
Preserved Cycas Leaves, assorted, 24 inches and up	per 100,	15.00
Cape Flowers, white	per lb.,	1.00
" colored	"	1.50
Tissue Paper, manilla	per ream,	.50
" " white	"	1.00
Wax Paper, manilla	"	1.40
" " white	"	2.00
Doves, first quality	each, $1.00; per doz.,	10.00
" second quality	" .85; "	9.00
Rubber Aprons	" 1.50; "	15.00

Full stock of all Supplies, including **Ribbons, Tin Foil, Toothpicks, Baskets, Wheat Sheaves, Bouquet Pins, Immortelles, Flower Vases, Jardinieres, Artificial Palms,** Etc.

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We have just received a large importation of best quality and shades of

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Write for prices and samples of same.

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CHESTNUT HILL (PA.) SHOW.

The first annual exhibition of the Chestnut Hill (Pa.) Horticultural Society was opened November 7, continuing three days. The entire space of Joslin Hall was given to the show. On the lower floor were the vegetable exhibits, very attractive displays by Messrs. Dreer, Michell, Landreth and Waterer; a fine group of palms, ferns and foliage plants from the Mermald Greenhouses, and a water garden, with aquatic plants and water lilies in bloom, every one of which was cut from the outdoor ponds at the Dreer nurseries, Riverton, on Nov. 7.

The judges for the plants and cut blooms were Robert Craig, George Sibson, Paul Huebner and John Hobson.

The prize winners for cut chrysanthemums were John Cullen, gardener to Mr. Percival Roberts Pencoyd, first for 25 blooms, 25 varieties; 12 blooms, 12 varieties; six blooms any other color; six blooms American seedling not disseminated; six blooms red and six blooms yellow. J. A. Monahan, gardener to Mr. C. W. Trotter, Chestnut Hill, for best six blooms, pink. The awards for potted plants were: Best two plants, one white, one yellow, in not over 14-inch pots, to William Robertson, gardener to Mr. J. W. Pepper, Jenkintown. Best specimen plant, white, in not over 19-inch pot, to Mutual Friend, shown by W. Boyce, gardener to Mr. Randall Morgan, Chestnut Hill; second to Mrs. Weeks, exhibited by George W. Brown. Best plant, yellow, in not over six-inch pot, to W. Robertson, for Peter Kay; second, G. W. Brown, for Georgiana Pitcher. Best six plants, yellow, to Minerva, shown by Robert G. Carey, gardener to Mr. T. C. Price, Chestnut Hill. Best plant, any other color, in not over 10-inch pot, to George W. Childs, exhibited by W. Robertson; second, R. G. Carey, for Garden Queen. Best six plants, white, in not over six-inch pots, to Mayflower, shown by W. Robertson.

Awards in other classes were: Geraniums—Best three plants, to W. Robertson, for Mrs. Hay; Richard Bradt and Helianthus.

Violets—Best 50 single, Frank Gould; second, Richard Moore, gardener to Mr. James Cheston, Jr. Best 50 double, W. Kleinheinz. Best 50 Luzonne, Richard Moore. Michell's prize for best 50 single to Richard Moore.

The winners for 12 blooms of roses were W. Kleinheinz, first, for American Beauty and Liberty, second, for Bride; W. Robertson, second, for American Beauty; Robert Forrest, gardener to Mr. B. Boric, Jenkintown, first, for Bridesmaid, Bride, and any other variety.

There were 32 exhibitors in the classes open to school children, and the exhibit was highly commended, as a whole, by the judges.

George W. Brown was awarded the Landreth prize for the best collection of foliage plants, with a display that attracted much attention in the splendid condition of the entire showing. Also, the prize for the best ornamental foliage plant, this going to Licuala grandis. Michael Punch, gardener to Mr. R. Le Boutillier, won the prize for the best specimen fern—a fine Adiantum Farleyense.

The new pepper, "Improved Celestial," which was exhibited by Robert G. Carey, attracted considerable attention and was awarded a special mention. A new seedling canna, exhibited by the same gentleman, was also given special mention, the judges stating that it exceeded anything in dark red foliage that they had ever seen.

An exhibit made by H. A. Dreer, Philadelphia, of 31 varieties of pompon chrysanthemums, was considered to be a most magnificent collection, and was made a special article of mention by the judges.

Frank Gould, gardener to Mr. John T. Morris, also had a very fine exhibit of pompon chrysanthemums, receiving a special mention. The Andorra Nurseries of Chestnut Hill, were awarded special mention for a similar exhibit.

John McElroy, gardener to Mr. Wm. G. Steel, of Mt. Airy, was given special mention for a vass of chrysanthemum blooms.

William Vanderveur, gardener to Mr. Wm. J. Latta, of Wissahickon Heights, had a very fine collection of crotons, which were given special mention.

Harry Harris, gardener to Mr. Robt. G. Fell, exhibited two fine yellow chrysanthemum plants, which were awarded special mention.

Edward Cox, gardener to Mr. Joseph Bromley, also got special mention for two specimen plants of the Boston fern.

Certificates of merit were awarded as follows: William Boyce, gardener to Randal Morgan, Esq., for a group of palms and araucarias; Henry A. Dreer, for Japanese anemones and Aster grandiflora; Frank Gould, for collection of flower and foliage plants; Henry A. Dreer, for new begonia, "Caledonia"; Robert Craig & Sons for new rose, Queen of Edgely.

Special premium was awarded to Percival Roberts, Jr., Pencoyd, Pa. (John Cullen, gardener), for a magnificent display of cut chrysanthemum blooms, which were not entered for competition; also a certificate of merit for six blooms of "Chestnut Hill" chrysanthemum, entered in the class calling for six blooms American seedling never disseminated. This seedling was raised and is controlled by Robt. G. Carey, gardener to Mr. Thomas C. Price, of Chestnut Hill.

A certificate of merit was awarded to Henry F. Mitchell for his complete and tastily arranged display of seeds, bulbs, implements and poultry food, etc. A certificate of merit was awarded to Albert Woltemate for his group of ornamental foliage and flowering plants, and to Henry A. Dreer for display of bulbs, seeds and horticultural supplies. A similar award went to Albert Schmidt for his display of rustic summer house and settees. A certificate of merit was also awarded to Henry A. Dreer for his display of palms and foliage plants, and great praise was given for his interesting display of aquatics. A certificate of merit was awarded to Chas. A. Knapp for his group of ornamental foliage plants; to Messrs. D. Landreth for their tasty display of rustic work and general garden supplies, and to H. Waterer for his exhaustive display of bulbs, mushroom spawn, imported orchid peat.

The school children of Chestnut Hill were given a cordial invitation to attend the show, which was taken advantage of by several hundred children, accompanied by the teachers.

SHOWS AT BALTIMORE.

The Gardeners' Club held a free show at the club rooms on Monday last, and the attendance was gratifying in a high degree. Fully 4,000 visitors enjoyed the creditable though comparatively small display. President Halliday was the soul of the organizers, and sent a fine group of palms, which formed a pleasing background for the three long tables on which the specimen flowers were arranged. There was just enough material to nicely fill the table space without crowding, and to create a handsome ensemble.

Ann Arundel County was an easy first in excellence of exhibits. G. D. Lotze had the finest vases: one of Major Bonnaffon, one of Col. D. Appleton, and one of Trenor L. Park, which were in every respect prize-flowers. Lehr Bros., with Col. D. Appleton, and Mayflower, were very close seconds. The variety list of the choicest of the specimen flowers was a rather small one. Besides the four varieties named the following were the most remarkable: Mrs. Perrin, Georgiana Pitcher, Niveus, Quito, Modesto, G. W. Childs, Mrs. T. S. Carrington, The Queen, Maud Dean, etc.



Delivery Wagon of A. H. Langjahr, Wholesale Florist, Brooklyn.

Jacksonville, Fla., is to have a factory for the manufacture of artificial palms. Scrub palmettos are mostly to be used for the purpose. The factory will employ 100 men or more.

J. Hay & Sons, Brockville, Ont., gave a three-day chrysanthemum show, November 15-17, inclusive.

If you can t give some good reason for the purchase of your goods, you had better shut up shop and go out of business.

If you can give a reason, the oftener you give it, the more people you impress with it, and the more goods you will sell.

Thats all advertising is—simply explaining to people why they should buy your goods, instead of some other fellow's.—*Agricultural Advertising.*

There are many ways of giving this information to possible buyers but noneso effective as through the advertising columns of THE FLORISTS' EXCHANGE.

Mr. Binder sent his long list of original varieties, and a few very fine new English sorts. John Cook showed his new white, Joseph W. Cook, which at the last C. S. A. committee meeting at Philadelphia scored 87 and 89 points in commercial and exhibition classes.

Of roses, Mr. Fraser, of the Ruxton Nursery Co., had a fine collection. His Liberty were much admired; the flowers are undoubtedly the finest in this vicinity. His Bridesmaid were notable for good color. John Cook had two new seedling roses on exhibition—an American Beauty hybrid, and his Baltimore. The flowers of the last named were rather too open to give an adequate idea of their great beauty; nevertheless they were the center of admiration.

Carnations were represented by only two lots. Mr. Cook showed his seedling, Scott, an exceedingly fine flower. The color is considerably deeper than the original (or better the present day Scott.) The flowers are more double, having nearly twice the number of petals. The plants are of vigorous growth and consequently remarkably floriferous. Henry Fisher sent a collection of this year's seedlings, among which a large white one, and a red one, deserve special mention.

A private chrysanthemum show of great popularity was held last week in the department store of Posener's. Messrs Feast & Sons had the order, and executed the task of decorating the store with much taste. Some twenty cases of wild smilax were used in festooning the pillars, around the bases of which specimen blooms of chrysanthemums were grouped in huge vases. As several thousand large flowers were used, quite an extra demand was created. Messrs Feast grow quite a large quantity of chrysanthemums in their own houses, but their crop is exceptionally late.

Our daily papers, it is very pleasant to note, are showing increased interest in flowers and horticulture in general. This, as well as the interest of the public, as manifested at this last show, seems to indicate that the club's untiring endeavor to attract the public's attention to the advancement of floriculture, has not been lost. Of all professions and trades, the florist's is perhaps the most popular in our city, and the club's members deserve great credit for their liberal support of the free shows, which have now repeatedly been given under the club's auspices, and where the individual sacrifices valuable material for "the glory," pure and simple. T. E.

In the report of the Tarrytown show in last week's issue, the Spofford's prize for Lady Campbell violets was credited to L. Martin, when it should have been credited to Wm. Nye, gardener to Miss B. Potter, Sing Sing, N. Y., Mr. Martin taking second.

J. F. Wilcox, Council Bluffs, Ia.

In a recent illustrated supplement to "The Daily Nonpareil," of Council Bluffs, Ia., are given several views of the mammoth establishment of J. F. Wilcox, of that city, together with a brief description of his business, from which we make the following extract:

"This plant, owned and controlled by Mr. Wilcox, comprises the largest greenhouse establishment in the West and one of the largest in the United States, and combined with the fruit, plant and vegetable farms belonging to the premises represents a mammoth investment. In walking through the houses from end to end, one would cover a distance of five miles. An average of 125 people are employed the year around and 20 wagons and 30 horses are in use all the time. In the cut flower department alone, 5,000 tons of coal are used annually. Mr. Wilcox, who is the exclusive owner of this large establishment, is a young man of exceptional ability and is thoroughly conversant with his line of business. Besides his large trade in Council Bluffs and Omaha, he ships his flowers and vegetables into every Western state, and to many of the larger Eastern cities. His store is located at 521 Broadway, where he supplies the local demand for flowers, and plants of every description, and where he also conducts a fruit and confectionery department. A department of Mr. Wilcox's business that has immensely grown in importance during the last few years is his horse-radish factory. Thirty acres of ground are devoted exclusively to raising horse-radish, which is grated by steam and specially prepared and bottled for him. This product, like his flowers, is shipped all over the country."

Langjahr's Delivery Wagon.

That the wholesale florist's business in Brooklyn, N. Y., is in a prosperous condition, is evidenced by the new turnouts which those engaged in this particular trade are putting into service. The wagon shown in the illustration is that recently purchased by A. H. Langjahr, 19 Boerum Place, who was the first to engage in the wholesale line in the City of Churches.

THE EXPERIMENT STATIONS.

PROGRESS OF COMMERCIAL GROWING of plants under Glass.—By same author. Also a reprint from the Year Book for 1899.

SUCCULENT FORAGE FOR THE FARM AND DAIRY.—By Thomas A. Williams, Assistant Agrostologist. Reprinted from Year Book for 1899.

TOBACCO STEMS
"Good Strong Kind."
60 CTS. PER 100 LBS.
BALES WEIGH 500 LBS.
TOBACCO DUST
"THE BLACK STUFF."
Fine or Coarse to Your Order.
50 to 1000 lbs., 2 cents per pound.
H. A. STOOTHOFF,
116 WEST STREET, NEW YORK CITY.
Mention this paper.

CHANGES IN BUSINESS.

JACKSONVILLE, ILL.—F. J. Walters has opened a flower store here.

SOMERVILLE, MASS.—H. Stevens has opened a florist's store at 220 Pearl St.

ALLIANCE, NEB.—A. J. Mahler has opened a florist's store here.

GREAT BARRINGTON, MASS.,—Theodore Dellert has leased the Raifstanger greenhouses.

MITCHELLVILLE, IA.—W. L. Morris has leased a building on Walnut Street, and will take possession November 1.

PARSONS, PA.—Gomer Thomas has bought a tract of land two miles east of Parsons along the Bear Creek Boulevard that he will clear and erect thereon a greenhouse. He expects to have a Wilkes-Barre store in which to sell plants and flowers.

BROOKLYN.—G. Fischer has purchased property on Coney Island Avenue, between Webster and Washington Avenues, and has just completed a range of glass consisting of about 10,000 square feet. Mr. Fischer will grow for the wholesale trade, making a specialty of palms. A general stock of flowering plants will also be carried.

Baltimore.

Trade Notes.

Chrysanthemums, fern dishes, and a few house plants are all that move at present. The pick of the chrysanthemums sell at wholesale for $12 a hundred. The average this year is rather below the standard of perfection of former seasons.

Personals.

The marriage of Henry Fisher and Miss Carrie Schwartz has been announced. The ceremony will be celebrated at the home of the bride on the 15th inst. Mr. Fisher is one of the most successful of the younger florists of this town, and the best wishes of the craft go forth to the couple. T. E.

CHRYSANTHEMUM

Stock plants, extra good: Bonnaffon, Bergmann and Maud Dean, etc., 75 cts. per dozen; $4.00 per 100.

DULY BROS., - Randolph, Mass.

Mention the Florists' Exchange when writing.

$2.00 Per 1000

TO CLOSE OUT. (Nice Plants.)

GIANT PANSIES { Roemer's or Trimardeau.
HARDY DAISIES { Longfellow.

California Privet 18 to 24 inches, branched, $2 per 100; $15 per 1000.
Boston Ferns Runners, $1.00 per 100. 2½ in., $2 per 100; $18 per 1000 From bench fit for 6 in., $10.00 per 100.
Carex Japonica Variegata 2 in., fine, $1.50 per 100. Cash.

BYER BROS., Chambersburg, Pa.

Mention the Florists' Exchange when writing

STUDER'S PRICE LIST,

Which please keep for future use, as I do not issue a catalogue, and this advertisement, which appears only once, contains all I have to offer. In thus saving expenses I am enabled to sell first-class stock at moderate prices. My aim is to grow the best plants possible in the smallest pots possible to save freight charges. Below I give a condensed description of my plants, for if depending on size of pots only you might be deceived. I quote here prices, the lowest possible for the quality offered, per single plant, so the small buyer will get stock as cheap as the larger one. I always add extras to help pay freight. This offer is good as long as stock lasts, which is crowding at present a bench space of over 20,000 square feet.

PALMS.	Pots.	Leaves.	high.	Each.
Kentia Belmoreana	7	7	50-in.	$3.50
" "	7	6 to 7	36	3.00
" "	7	8	24	2.50
Latania Borbonica	8	7	30	1.50
" "	8	6 to 7	24	1.25
" "	7	6	24	1.00
" "	3½	5	18	.20
Seaforthia Elegans	2 in pot	7	8	55 1.00
" "	1 in pot	7	5	50 .75
" "	1 in pot	6	4	40 .50
Areca Lutescens	2 in pot	5 6 to 7	36	.50
" "	2 in pot	5 6 to 7	24	.35
" "	1 in pot	4	4	20 .25
Corypha Australis	8	7	30	.50
Phœnix Tenuissimus	8	7	30	.50
Cocos Weddeliana	4	6	20	.30

FERNS.				
Bostoniensis	10	50	36	2.00
"	8	35	30	1.00
"	6	24	30	.50
"	5	15	24	.35
Davallioides Furcans	8	35	30	1.00
" "	8	24	25	.50
Exaltata, Philippinense	8	21	24	.35
Washingtoniensis	8	18	50	1.25

DRACÆNAS.				
Lindeni & Massangeana	5	8	15	.50
Fragrans	5	10	18	.25
Terminalis	5	10	18	.25
Indivisa	6	15	24	.30

MISCELLANEOUS.	Pots.	Leaves.	High.	Each.
Dieffenbachia	5	6	18	.25
Crotons in mixture	5	15 to 20	20	.25
Anthurium Grande	5	5 to 6	18	.25
Pandanus Utilis	10	40	30	2.00
" "	4½	12	18	.25
Ficus Elastica	6	12	22	.35

SMALLER PALMS, FERNS, ETC.

Keotias, 3-inch, 10c.; 2-inch, 5c.; Latania Phœnix, Caryota Urens and Chamærops Excelsa, 5c. Ferns, Washingtoniensis and Dav. Furcans, 10c.; Bostoniensis, Exaltatus, also ferns for pans, and Selaginellas 4c.; Dracænas, Lindeni and Massangeana from 2½-inch, 15c.; Terminalis and Fragrans, 5c.; Indivisa, 3.

PLANTS FOR JARDINIERES, FANCY BASKETS, ETC.

Maranta Zebrina, 3c.; Fittonias and Peperomias, 5c.; Tradescantias varg., 3c.; Antherieums, 5c.; Carex Japonica, 3c.; Sanseviera, 5c.

FANCY CLIMBERS AND VINES.

Stephanotis, Hoya Carnosa, Clerodendron Balfouri, Allamandas, Cissus Discolor, Jasmine grandiflora from 5 to 15 cents.

BLOOMING AND OTHER PLANTS.

Begonia Rex and blooming, var., Justicia, Hibiscus, Gardenia, Double Jasmine, Otaheite Orange (without fruits), Umbrella plants, Lemon Verbenas from 5 to 25 cents.

BEDDING PLANTS.

Geraniums, double pink, scarlet, crimson and salmon, single scarlet and salmon from 2-inch pots, 2½c.; rooted cuttings, 1½c.; assortment of 50 of the best varieties all labeled for $3.00. Verbenas, 35 best varieties in good mixture all named, 70c. per 100; $6.00 per 1000; 2c for 2-in. pot plants. Heliotrope, Ageratum, Salvia, Fuchsias, Basket plants, 1c. for rooted cuttings, 2c. for 2-in. pot plants; also Lantanas in variety.

HARDY PLANTS.

Large field-grown clumps of Rudbeckia Golden Glow, Phlox in variety, Pinks, Coreopsis, Gaillardias, Sunflowers, Aquilegia, etc., 8 cents.

LARGE FIELD-GROWN ROOTS.

Of best cut flower Dahlias, 8c.; Cannas, Pres. McKinley and Cleveland, Queen Charlotte and Ruth, a very dwarf yellow, 5c.; mixed other good kinds, 3 cents.

ROSES FIELD-GROWN.

Monthly and hybrid varieties, all popular kinds only in good mixture, 8 cents.

HARDY EVERGREENS.

For vases, window boxes, etc., dwarf and bushy, Arbor vitæ, Junipers, Norway and other spruce, Euonymus, Buxus, English Ivy and Vincas, 10 to 15 cents. Japanese maples and Maidenhair trees, 25 cents.

Cut Flowers at all seasons.

N. STUDER, ANACOSTIA, D. C.

HOLLY and HOLLY WREATHS

We are now booking orders for Thanksgiving and Christmas for A No. 1 Delaware Holly, at lowest cash prices, well berried and of dark green foliage. Orders placed at once will be delivered on day requested.

STROUDSBURG PAPER CO., Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

100,000 Rooted Cuttings, at $12.00 per 1000. Dbl. Grant, $11 00 per 1000. Mme. Sollerol, $1.25 per 100, $10.00 per 1000, Rose Geraniums, $1.25 per 100.
Pelargonium Victor, $2.00 per 100.
Abutilons, Savitzii, trailing, and five others, $1.50 per 100.
Weeping Lantanas, $1.25 per 100.
Ageratums; Louise Bonnet, Princess Pauline, Cope's Pet, White Cap, 50 cts. per 100.
Sweet Alyssum, 60 cts per 100.
Feverfew, Little Gem, $1 00 per 100,
Cupheas, Cigar Plant and Tricolor, 75 cts. per 1.00.
Salvia Silverspot, 50 cts. per dozen.
Double Petunias, 30 vars., 2 in pots, $2.00 per 100.
Manettia Bicolor, 2 in. pots, $2.00 per 100.
Lantanas, 8 vars, 2 in. pots $2.00 per 100.
Heliotropes, 12 vars. 2 in. pots, $2.00 per 100.

Cash with order.

C. A. HARRIS & CO., Delanson, N. Y.

Mention the Florists' Exchange when writing.

NOW IS THE TIME

TO LAY IN YOUR SUPPLY OF FINE

Boston Ferns

For your holiday trade. Four and five inch are nice sizes to buy. We have them in all sizes. Write us for prices.

ROSES First lot of **Rooted Cuttings** ready December 1 to 10.

GEO. A. KUHL,

Grower of Roses, Carnations, etc. **Pekin, Ill.**

Mention the Florists' Exchange when writing.

NOW IS THE TIME TO ORDER YOUR **PALMS, Etc.,** FOR THE **HOLIDAYS** Before it is Too Cold to Ship by Freight.

ARECA LUTESCENS.

4 in. pots,	1 in a pot,	18 ins. high, strong	$0.20
6 in. "	3 " "	20 " "	.50
6 in. "	3 " "	24 " "	.75
8 in. "	3 " "	36 to 40 ins. high, strong	3.00
10 in. "	3 " "	48 ins. high	5.00

KENTIA BELMOREANA.

3 in. pots, 10 to 12 ins. high	$0.18 to $0.20
4 in. " 14 ins. high	.35
7 and 8 in. pots, 30 to 36 ins high	$2 50 to 3 00

KENTIA FORSTERIANA.

3 in. pots,	12 ins. high	$0.18 to $0 20
4 in. "	16 to 18 ins. high	.35
10 in. "	40 to 45 " "	3 in a pot 6 00
12 in. "	60 to 75 " "	strong single plants 15 00

CYCAS REVOLUTA,

3 to 10 leaves $1.00

LATANIA BORBONICA.

3 in. pots,	5 leaves	$6.00 per 100; $50.00 per 1000
5 in. "	6 to 7 leaves	$4.00 per doz.; $25 00 per 100
6 in. "	7 to 8 "	6.00 " 45.00 "

MISCELLANEOUS.

4 in. pots,	Pandanus Utilis	
8 in. "	" "	$1.25
6 in. "	" Veitchii	0.75
8 in. "	" "	1 50
3 in.	Dracæna Terminalis	$ 8 00 per 100
4 in. "	"	15.00 "
5 in. "	"	$0 35
3 in. "	Sanderiana	$15.00 per 100
6 in.	Araucaria Excelsa	$0.75
6 in.	Livistona Rotundifolia	.75
3 in.	Cocos Weddelliana	$10.00 per 100

LEMUEL BALL, Wissinoming, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

THE FLORISTS' EXCHANGE Christmas Number will come at the right time. Send your advt. at the right time—NOW.

EXPRESS PAID. Primroses for Christmas blooming. Chinese Primroses, 3 inch $4.00 per 100; 4 inch, $6 00 per 100. Pansy Seed, prize mixture of Bugnot, Cassier and Odier, $2 50 per ounce.

SAMUEL WHITTON, 15-17 Gray Ave., Utica, N. Y.

Mention the Florists' Exchange when writing.

SPECIAL SALE LATANIA BORBONICA

To Make Room. Heavy Stock (grown cool), 6 in. pot, $6.00 per doz.

B. F. BARR, Lancaster, Pa.

BOSTON FERN A SPECIALTY



VERY FINE PLANTS at 75 cts. and $1.00 each.

20,000 at $20.00 and $25.00 per 100.

Small plants, at $5.00 per 100. True stock.

EXTRA WELL BERRIED

SOLANUM

(JERUSALEM CHERRY)

5 inch, at $20.00 per 100. $3.00 per dozen.

20,000 PALMS, my own growing. KENTIAS, LATANIAS, COCOS.

ASPARAGUS P. NANUS, 3 inch, at $8.00 per 100.
ASPARAGUS SPRENGERI, at $6.00 per 100.

ORDER NOW BEFORE COLD WEATHER.

L. H. FOSTER, 45 KING ST., Dorchester, Mass.

Buffalo.

Market Items.

Some of the craft call trade good, and others say it is dull. The weather is aught but pleasant now, as rain and flurries of soft snow, with brisk breezes, make untoward conditions. Social affairs are evidently not exciting; and the call for funeral flowers has been comparatively light of late. Stock is amply plentiful and qualities now good. Some good violets are seen. Roses are of substantial character and coloring, and it seems to us that chrysanthemums in the store windows never looked as sturdy and fresh in quality; $4 per dozen seems the limit of retail prices here for the best of these handled.

S. A. Anderson had a very fair wedding order for Thursday of this week at Mount Morris, N. Y., which called for the use of palms—just their speciality—and a free arrangement of blooms generally.

William Scott seems to be indigenous to various sections of this great country, this Fall, in the interests of the Pan-American exhibition, and is hard to find at home.

No chrysanthemum show here this Fall, not even any talk about one. We apparently are too much engrossed otherwise. Incidental to this negative condition, a similar state of lethargy seems to go with the certain florists, who, when shows were undertaken under organized auspices in past years, were wont to hold aloof entirely from lending assistance or influence, but with a splurge would make headline affairs of exhibitions in their own places of business. If any such private enterprise is afoot this Fall, we have not heard of it.

The executive committee of the Florists' Club held a session on Tuesday of this week, for furthering 1901 S. A. F. convention interests. VIDI.

St. Louis.

The Market.

The cut flower trade has been rather quiet the past week, although we have had our long expected heavy frost. Roses are in fair supply, ranging in price, in large lots, from 1½c. up to 5c. or 6c. for something very fine. Beauty bring from 5c. to 25c. for the choicest. The supply of carnations is about equal to the demand; they sell at 75c. to $2 per 100.

Violets are scarce just now, at 35c. per 100, with a higher price looked for. Chrysanthemums are in good supply in the common grades; $2.50 per dozen is the top price realized, down to as low as 6c. for the poorest. Valley is selling well at 4c.

News Items.

Our show opens on Wednesday next. Indications point to a successful exhibition; although the entries are not as numerous as we would like to see them. The expenses have been kept down to the lowest possible point, and we hope to pull through all right.

Frank Ellis, for a long time head man at Henry Bernings, will shortly leave his position. It is understood he will open up in the wholesale business on his own account.

John W. Kunz has taken the place vacated by Mr. Ellis.

Club Meeting.

The regular meeting took place on November 8, the attendance being only fair. A letter was received from the Galveston florist sufferers, in which they acknowledged in a very grateful manner, receipt of the money raised for the fund by the St. Louis florists.

The names of Theo. Miller and Chris Eichhorn were read for the second time, and the gentlemen were declared members of the club. The application of Henry Johann, of Collinsville, Ill., for membership was received. A vote of thanks was tendered C. C. Sanders for his paper on "Profitable Hardy Flowers for Florists' Use." H. G. Ude exhibited a new seedling carnation that has several good points. The color, between a salmon and red, is rather undecided, but we think its other good qualities will overbalance this, as on stem, fragrance and size, it is first class, besides being very productive.

There are several delinquent members on the books, as usual, and they are invited to pay up at their earliest convenience, as non-payment of dues denies them tickets for the show. The treasurer made a report to the effect that the club has some money to its credit. C. C. S.

DETROIT, MICH.—J. Breitmeyer & Sons are cutting some of the new rose, Liberty, and are pleased with it. They will still grow Meteor, which does grandly with them; for richness of color and size of bloom it has yet to be beaten. They also run a house for Safrano, Isabella Sprunt and Bon Silene, finding them very useful in a retail store. I noted a bouquet made for a debutante, which consisted of orchids and lily of the valley, with a shower of buds of the aforementioned roses—one of the richest and daintiest designs conceivable. Carnation Ceriae Queen is grown extensively and finds ready sales.

Gus. Taepke has some fine chrysanthemums, also several houses of the new carnations, that look first-class. Some one, who evidently knows a good thing, stole the entire stock of Witterstaetter's introductions, leaving a few Estelle, which will no doubt help console our justly indignant fellow-craftsman.

Speaking with Robert Flowerday, of the Detroit Floral Co., regarding the scarcity of Begonia Gloire de Lorraine, he is of the opinion that only a few growers can do this plant successfully. I have seen but few plants of it West, but in the East it is done well. I noted hundreds with Thos. Roland, Nahant, Mass., who grows for a New York house. Dan. Murphy, of W. E. Doyle's, at Cambridge, Mass., is also very successful. He grows the plants on a north bench, with plenty of light and air; gives them, about every eight days, an application of Bordeaux mixture to keep down rust. Cuttings taken in December last have made plants that now fill an 8-inch pan—splendid stock for the holidays. Farquhar & Co. have also some well-grown stock of this plant.

AUBURN, N. Y.—Alfred Patrick has overcome the eelworm nuisance by the adoption of grafted stock. His roses are in fine shape. His carnations got a touch of stem rot which is attributed to insufficient watering when first planted in the bench; but Prof. J. F. Cowell is positive it is a fungus which attacks the plant in the field and is brought into the house. One grower in the East lost one-half of a large house in this way. W. M.

CHRYSANTHEMUMS

Stock plants, at $1.00 per doz., from bench or or 6 inch pots.

Major Bonnaffon, Gloire de Pacific, Mme. Bergmann, J. S. Kolb, Mrs. Robinson, Yellow Robinson, Modesto, Jennie Fulkner and Mayflower.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Stock plants of Ivory, Glory of Pacific, Mrs. H. Robinson and Bonnaffon, 50 cents per dozen.

GERANIUMS, 2½ inch pots.....$2.50 per 100
CUT SMILAX.....20 cents per string
Cash with Order.

WM KEIR, - Pikesville, Md.

Mention the Florists' Exchange when writing.

VIOLETS

L. H. Campbell, extra large, healthy, field-grown clumps, at $4.00 per 100.

SMILAX, extra fine, large, bushy plants, at $2.00 per 1000. This is a bargain.

PANSIES, good stocky plants of the largest flowering Show Varieties, unsurpassed quality, at $2.00 per 500; $3.50 per 1000.

GUSTAV PITZONKA, Bristol, Pa.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Stock plants. New and standard varieties. Send for list. Early varieties ready now.

CARNATIONS Field-grown plants all sold. Orders booked now for rooted cuttings of GENEVIEVE LORD, the finest commercial pink to date. Ready January 1st. $5.00 per 100; $40.00 per 1000. Correspondence with large growers especially invited. H. WEBER & SONS, Oakland, Md.

Mention the Florists' Exchange when writing.

GERANIUMS

Rooted Cuttings, 38 varieties Double and Single in separate colors Ricard, Harrison, S. A. Nutt, Beaute Poitevine, Double Grant, La Favorite, Mme. Bucher, Pres. Du Bois, Single Grant, Queen of West, and others.

Transplanted extra strong plants, same varieties, $2.00 per 100; $15.00 per 1000.
CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

ADOLPH C. FEHR,

Florist and Seedsman,

ROSES, CARNATIONS, SMILAX, CHRYSANTHEMUMS, Etc.

220 East Main St. Greenhouses. Carlyle Road.
BELLEVILLE, ILL.

Mention the Florists' Exchange when writing.

SMILAX

Ready to spring, large bushy plants, 2¼ inch, $1.50 per 100; $10.00 per 1000.

FORGET-ME-NOT, true Winter-flowering large, out of 3 inch, $2.50 per 100.

MIGNONETTE, Allen's Defiance, larg plants, 2½ inch, $2.50 per 100.

J. C. SCHMIDT, Bristol, Pa

Mention the Florists' Exchange when writing.

VIOLETS

Extra strong, field-grown clumps.

California..... $4.00 per 100.
Princess of Wales..... 5.00 "

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

5,000 VINCA MAJOR VAR. Field-grown, full 2 to 3 ft., $6.00 per 100.
California Violet Clumps, $3.00 per 100; L. H. Campbell, $5.00, fine.
Blue and Crimson Spiræa, 2½ in., 3c.; field-grown, 6c.
Marguerites, white, 4 in., 6c.
Scott and Portia Carnations, to close, $3.00 per 100
Hydrangea Grandiflora, 3 year old, 8c. and 10c.
Double Althæas, named colors, 2½ to 3½ ft., 8c.
Cash, Please.

BENJ. CONNELL, Florist, West Grove, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

Rooted Cuttings.

Beaute Poitevine, Mme. Jaulin, A. Ricard, S. A. Nutt, Double Grant, $2.00 per 100; $15.00 per 1000. Cash with Order.

J. B. SHURTLEFF, Jr., Revere, Mass.

50,000 DAHLIA CLUMPS for Fall Delivery.
Descriptive Price List upon application.
Stock up-to-date. Prices right.

IMPROVED DOUBLE FRINGED PETUNIAS
20 named varieties, strong, from 2 inch pots, $2.50 per 100; $22.50 per 1000.

HYDRANGEA OTAKSA Strong, 2½ inch pots, well grown stock. $3 per 100; $27.50 per 1000. Satisfaction guaranteed

A. B. DAVIS & SON, Purcellville, Va.

Mention the Florists' Exchange when writing.

500,000 VERBENAS

60 finest named varieties, including our new
MAMMOTH WHITE MRS. McKINLEY.
The finest white Verbena grown.
Perfectly healthy. Free from rust.
Rooted cutting, 60 cts. per 100; $5.00 per 1000.
Plants, $2.50 per 100; $20.00 per 1000.
Our list is the choice from millions of seedlings.
Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

To the Trade.

2000 ENGLISH IVIES

Strong plants, from 4 in. pots, $15.00 per 100

A No. 1 SCOTT CARNATIONS
$5.00 per 100.

SELAGINELLA
From 3½ inch pots, $6.00 per 100.

64 SASHES 3 feet by 6 feet, 7 inch by 9 inch glass, good for frames making a house 10 feet by 100 feet; $65.00 for the lot.

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing

GERANIUM "AMERICA"

A QUEEN AMONG GERANIUMS.

"Plants not one foot high often have a dozen trusses at one time. One of the brightest, cheerfest varieties in the whole Geranium family."
May, 1900. ERNEST E. REXFORD, in *Vick's Magazine*.

$8.00 per 100. 25 at hundred rate. Ready now.

HENRY EICHHOLZ, Waynesboro, Pa

Mention the Florists' Exchange when writing

SOME STOCK YOU WANT

20,000 PANSY PLANTS, to grow for bloom 20 leaves, $1.00 per 100.
COLEUS, 10 varieties, named, 2¼ in., $1.50 per 100.
20,000 ALTERNANTHERAS, bushy, 2¼ in $1.50 per 100.
SALVIA, dwarf, Clara Bedman, 2¼ inch $1.50 per 100.
SMILAX, 2¼ inch, $1.50 per 100.
3000 CEDUM VARIEGATUM, 2¼ inch $1.50 per 100.
5000 CIGAR PLANT, fine, 2¼ in., $1.50 per 100
ASPARAGUS PLUMOSUS NANUS, 3 inch $5.00 per 100.
BOSTON FERN, true, 3 inch, $5.00 per 100.
CALIFORNIA MOSS, for hanging baskets 2¼ inch, $1.50 per 100.

5 plants at 100 rates.

THE MORRIS FLORAL CO., Morris, Ill

Mention the Florists' Exchange when writing

A Big Bargain!

FROM NOW UNTIL JANUARY 1, 1901.

COLEUS 2½ inch pots, $2.00 per 100; $15.00 per 1000. Rooted cuttings from the same at 50c. per 100; $4.00 per 1000

Also a fine lot of
GERANIUMS In 2½ inch pots, at least 100,000, at $3 00 per 100 or $25.00 per 1000. Is composed of the following varieties:
S. A. Nutt, F. Perkins, Poitevine, La Favorite, Brunnii, E. G. Hill, Wm Pfitzer and several other leading varieties.

CASH MUST ACCOMPANY ALL ORDERS.

J. E. FELTHOUSEN, Schenectady, N.Y

Mention the Florists' Exchange when writing

CYCLAMEN GIGANTEUM

4 colors, 4 inch pots, $10.00 per 100; 3 inch pots, $5.00 per 100. Choicest strain, finely marbled, well set and in splendid condition.

Heliotrope, dark, 3 inch, bushy, $3.00 per 100.
Cyperus Alternifolius, 3 in., fine, 5 to 8 stems $5.00 per 100.

ROOTED CUTTINGS BY MAIL. per 10

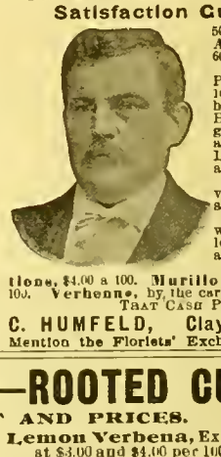
Double Fringed Petunias, 50 varieties..... $1.2
Dreer's, Henderson's and Giants of California Petunia Grandiflora, single, 12 varieties 1.2
Strobilanthes Dyerianus..... 1.2
Ageratum, Princess Pauline..... .7
Heliotropes, 18 varieties..... 1.0
Fuchsias, 20 varieties..... 1.2
Not less than 5 of a variety in rooted cuttings. Cash with order, please.

GEORGE J. HUGHES, Berlin, N. J

Mention the Florists' Exchange when writing

EXPRESS PREPAID

On All Rooted Cuttings and Satisfaction Guaranteed.



50,000 Red and Yellow Alternantheras 60c. a 100; $5 00 a 1000
Ageratums, 4 vars. Princess Pauline, 75c. a 100; $7 a 1000. A new rich blue, a dwarf variety Habit like Pauline, a good one, 75c. a 100; $7.00 a 1000. Cope's Pet, blue Lady Isabelle, white, 60c. a 100; $5.00 a 1000.
Heliotropes, 10 best varieties, $1 00 a 100; $8.00 a 1000.
Dalsies, California, white; Yellow Castle, yellow; the only 2 vars., $1.00 a 100; $8.00 a 1000.
Flora Hill Carnations, $4.00 a 100. Murillo Carnations, $4.00 a 100. Verbenas, by the car load later on.
THAT CASH PLEASE.

C. HUMFELD, Clay Center, Kansas.

Mention the Florists' Exchange when writing.

100,000 GERANIUMS—ROOTED CUTTINGS.

SEND FOR LIST AND PRICES.

	Per 100
Asparagus Sprengeri, 2 in.	$3 00
" " 2¼ in.	4 00
Baby Primrose, 2¼ in.	4 00
Begonia Rex, rooted cuttings	2 00
Cinerarias, 2¼ in.	3 00
Snow Crest Daisy, rooted cuttings, $2.00 per 100; 2¼ in., $4.00; 3 in., $6.00.	
Lemon Verbena, Extra 2 and 2¼ in. at $3.00 and $4.00 per 100.	Per 100
Forget-me-not, (winter), rooted c'gs.	$2 00
" " (winter), 2 in.	3 00
" " " 4 in.	10 00
Violets, Farquhar, 2¼ in., free of disease.	2 50
Vinca, 2¼ in...$3.00 3 in.	5 00
" 4 in.....10 00 5 in.	15 00
" rooted cuttings, $1.00 per 100..	1 25

CASH or C. O. D. Send for Descriptive Circular and prices for the best Florists' Hose Nozzle.

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

Cincinnati.

Trade Notes.

Business during the past week has been very satisfactory. Stock is rapidly improving in quality, especially carnations. Roses are now off crop nearly all over the country, and the supply has slackened up considerably. Chrysanthemums are still selling well.

Owing to the inability to arrange the schedule in time, the chrysanthemum exhibit at the flower market, under the auspices of the Cincinnati Florists' Society, will take place Saturday afternoon, November 17, instead of on the date previously given.

Seedling Chrysanthemums.

Several seedling chrysanthemums were before the C. S. A. committee November 10. Mirabeau, yellow, color near to that of Bonnaffon, but not so good, was shown. Yanariva, flesh color, flower shaped like that of Viviand-Morel, is certainly very handsome; stem is a little weak, but can probably be improved. The variety is a medium grower, and, I think, is quite an acquisition to the pink family. These two sorts were grown and exhibited by John N. May, of Summit, N. J. Henry Riemann, of Indianapolis, Ind., had a creamy white variety, very heavy, stiff stem, and fine foliage. Flower resembles that of Jerome Jones, incurved and nicely built. Not a large bloom, but will make a good commercial sort. Theo. Bock staged Arab, bronze, good stem and foliage, a medium-sized flower, and, for a bronze, is very pretty.

Jottings.

The first snow of the season arrived during the past week, and we are now having seasonable weather, which will materially help the quality of stock all along the line.

Plant thieves have commenced their work upon private citizens. Their manner of procedure is to find out who have their plants wintered by the florist, and in some way they also discover who the florist is taking the contract. They then go to the parties, and say they were sent by florist So-and-So for the plants, and, in most cases, the plants are delivered. You can guess the rest. Herman Schlachter, of Winton Place, was victimized in this manner. The party who called for the plants drove a black horse attached to a covered wagon. The man was tall, of dark complexion, black mustache, and shoulders slightly stooping. Florists of Cincinnati should be on the outlook for this fellow.

W. A. Mann is on the sick list.

B. Eschner, of M. Rice & Co., Philadelphia, and Ed. Helfrich and sister of Washington, C. H. O., were in the city Saturday. William M. Goodloe of Paris, Ky., called Sunday. E. G. GILLETT.

Albany, N. Y.

The store of F. A. Danker, florist, at 40 Maiden Lane, was visited by thieves October 25. Entrance was effected through a transom. The thief or thieves secured $8.30 from the cash register.

FERNS. FERNS.

This year our ferns are in fine shape. A good variety and fine bushy stock. 2¼ in. pots, $3.00 per 100; $26 00 per 1000.

Asparagus Plumosus Nanus, 2½ in. pots, strong, $6.00 per 100.

Asparagus Sprengeri, 2½ in. pots, strong, $4.00 per 100.

HENRY WESTON & BRO., Hempstead, N.Y.

Mention the Florists' Exchange when writing.

	Per 100
Ferns, in variety, 2½ in. pots	$3.00
Cryptomeria Japonica (Japan Cedar), 2½ in pots	5.00
Cyperus Alternifolius (Umbrella Plant), 2 in. pots	2 00
" " 3 in. "	3.00
" " 4 in. "	5.00
Grevillea Robusta (Silk Oak), 4 in pots	7.00

LOW EXPRESS RATES.

J. S. BLOOM, Riegelsville, Pa.

Mention the Florists' Exchange when writing.

BIG BOSTON FERNS

Pot-grown, ready for 8, 9, 10 in., 20 to 30 fronds, 2 to 3 feet long. There is money in them for you, just what you want for Fall trade. First size, $1.00; 2d size, $75 cts. each. Get them while they are going. Cash, please.

A. J. BALDWIN, Newark, Ohio.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR PLANTS NOW and for THE **HOLIDAYS**

IMPORTED DIRECT FROM THE GROWERS IN GHENT, BELGIUM AND OTHER PLACES.

Having been to Belgium again myself, I am well posted on their system. As the growers there are all syndicated, I can assure you no one can obtain cheaper rates than I.

ARAUCARIAS

We are headquarters for Araucarias. I have a large house full of them, purchased by my own selection on my trip to Belgium last September, and can offer you special prices. No seedlings. Raised from top cuttings only.
5 in. pots, 3 tiers, 10 to 13 in. high, 50cts. each.
5½ in. pots, 3 to 4 tiers, 12 inches and above, 60 cts. each.
5½ and 6 in. pots, 3 to 4 tiers, strong plants, 12 in. and above, 75 cts. each.
16 inches high and above, $1.00 each.
Specimen 6 in. pots, 4 to 5 tiers, 22 to 24 in. high, $1.25 each.
Araucaria Glauca, 6 in. pots, very fine, 18 to 25 in. across, $1.25 each.

AZALEAS Indica, large stock, my own selection while in Ghent, 10 to 12 inches, 35 cts. each.
Larger sizes, 40 cts. and 50 cts. each.
Specimen plants. Mme. Van der Cruyssen, $1 75 and $2 00 each.
Leading American varieties, such as Mme. Van der Cruyssen, Bernhard's Andrea Alba, Deutsche Perle, Empress of India, Prof. Walter, Simon Mardner, Vervæoeana and others.

CORYPHA AUSTRALIS Hardiest palm of all. Have 500 of them in 5 in. pots, 12 to 18 in. high, 45 cts. each.
Kentia Belmoreana, 5 in. pots, 18 in. high, bushy, 65 cts. each.
Kentia Forsteriana, 5 in. pots, 36 in. high, 75 cts. each.
Latania Borbonica, 8 in. pots, very fine, at the rate of $6.00 per doz.
Dracæna Brnantii, 5½ in. pots, 24 in. high, most favored house dracæna, 50 cts. each.
Dracæna Indivisa, specimen plants, imported, 6 in. pots, 30 to 36 in. high, 40 cts. each.

FICUS ELASTICA (Rubber plants).
Have 1500, imported last Spring:
5½ in. pots, 12 in. high, 10 to 12 leaves, $3.50 per doz. 5½ to 6 in. pots, $4.00 per doz.
Specimen plants, 6 in. pots, $5 00 per doz.
Small plants, 4 in. pots, 20 cts. to 35 cts. each.

BEGONIAS SEMPERFLORENS GIGANTEUM.
Best blooming Winter Begonia, 6 in. pots, 25 cts. to 35 cts. each.
President Carnot, 5 in. pots, 25 cts. each.
Other Winter-blooming Begonias, leading varieties, 4 in. pots, 7 cts. each.
Chrysanthemums, without pots. L Canning, white, 6 in. pots, 5 to 6 branches disbudded, $1.50 per doz.
Other good varieties, bushy plants, 5 to 6 in. pots, $1.20 per doz; 4 in. pots, 75 cts. per doz.
(If pots are wanted add 2 cts. each.)
Chinese Primroses, bushy plants, 4 in. pots, that will bloom at Xmas, at the rate of $6.00 per 100.
Cyperus (Umbrella Plants), 4 in. pots, $17.00 per 100.
Large Honeysuckles, grown in 6 in. pots, 20 cts. each.
Hardy Ivies, strong plants, 3 in. pots, 7 cts. each.
500 Wallflowers, 2 in. pots, strong, $1.50 per 100.
Geraniums, 2½ in. pots, leading varieties $2 50 per 100.
Callas, 6 in. pots, strong plants, 20 cts each.
Solanum (Jerusalem Cherries), full of berries, 7 in. pots, large plants, 25 cts. each; with or without pots.

Cash with order, please. Money can be sent safely by Express or Post Office money order, registered letter, draft on Philadelphia banks, etc. Goods must travel at purchaser's risk.
Please state whether to be shipped with or without pots.

GODFREY ASCHMANN, 1012 ONTARIO STREET, RISING SUN, **Philadelphia, Pa.**

IMPORTER AND GROWER OF POT PLANTS.

Mention the Florists' Exchange when writing.

Advertising in your paper has given me more orders than I can fill.

J. G. LOVEN.

Montezuma, N. C., Nov. 7, 1900.

PALMS AND BOSTONS

WALTER RETZER & CO.,

2045-59 CLARENDON AVE., (N. Halstedt Street), Chicago, Ill.

Mention the Florists' Exchange when writing.

FIELD-GROWN **DRACÆNAS**

24 to 28 inches high, fine strong plants, $1.25 per doz.; $10.00 per 100.

175 SMILAX Extra fine, 2½ inch, at 2 cts.

S. S. PECKHAM, New Bedford, Mass.

Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.

1730 CAMBRIDGE ST.

Mention the Florists' Exchange when writing.

Jardiniere Ferns

ELEGANT STOCK.

$3.00 per 100; $25.00 per 1000.

Roses for the South. Varieties most adapted for southern planting. Just the thing you want. Stock A No. 1. Write for Price List.

J. B. HEISS, The Exotic Nurseries, Dayton, Ohio.

Mention the Florists' Exchange when writing.

Asparagus Comorensis

The Best for Strings.

Fresh Seed, $5.00 per 1000, postpaid.

SO. CAL. ACCLIMATIZING ASSOCIATION, Santa Barbara, Cal.

Mention the Florists' Exchange when writing.

ASPARAGUS

SPRENGERI and PLUMOSUS NANUS.

Extra strong stock, from 2½ inch pots, $5.00 per 100; $40.00 per 1000. (Ready for 3 inch.)

JACKSON & PERKINS CO. NEWARK, NEW YORK

Mention the Florists' Exchange when writing.

FERNS For dishes, etc., in 6 of the leading varieties, from 2½ in., $3.00 per 100.

PRIMULA FORBESII In Bloom from 3 in. $4.00 per 100, from 4 in., $8 00 per 100.

FORGET-ME-NOT Trns Winter-flowering, 3 inch, $3.00 per 100; 4 inch, 75 cts. per dozen.

PELARGONIUMS in six of best bloomers, mixed, from 3 in., $3 a 100.

10HN G. EISELE, 20th and Ontario Sts., PHILA., PA.

Mention the Florists' Exchange when writing.

Adiantum Cuneatum

2½ in. pots, $4 per 100; 3½ in. pots, $8 per 100 8½ in. pots, large plants, $10 per 100; selected plants, 3½ in. pots, $12 per 100.

Asparagus Sprengeri

2½ in. pots, $4 per 100; $30 per 1000.
3 in. pots, $5 per 100.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

ACALYPHA SANDERI 2½ inch, $3.00 per 100.

BOSTON FERN 2½ inch, $3.00 per 100.

VIOLETS. A few clumps of Princess of Wales left, $5.00 per 100.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

FLORISTS' ORCHIDS { SANDER ST. ALBANS, ENGLAND AND BRUGES, BELGIUM.

The largest and finest stock in the world.

A. DIMMOCK, our representative, is now in the U. S., and will be pleased to reply to any communications addressed to 60 Vesey Street, New York. Lists on application.

Mention the Florists' Exchange when writing.

ORCHIDS

A splendid stock of established and unestablished Orchids always on hand. A number of varieties now in sheath and spike.
Also Peat, Moss and Orchid baskets.

CORRESPONDENCE SOLICITED.

LAGER & HURRELL, Summit, N. J.

Mention the Florists' Exchange when writing.

ERICA MELANTHERA

Best variety for Florists' use, in bud now mostly.

5 in., $5.00 per doz.; 6 in., $7.50 per doz.; 10 in., $25.00 per doz.

CASH WITH ORDER.

H. HUEBNER, - Groton, Mass.

Mention the Florists' Exchange when writing.

FERNS OUR SPECIALTY.

A grand stock of MAIDEN HAIR FERNS, in 4 inch, ready for 5 inch pots, per 100, $15.00; per 1000, $140 00.
Full-grown plants, in 2½ inch pots, ready for a shift, per 100, $4.00; per 1000, $35.00.
Fine lot of ASSORTED FERNS, for Jardinieres. All the best varieties, in 2½ inch pots, per 100, $4.00; per 1000. $35.00.

An Excellent Stock of

ADIANTUM FARLEYENSE.

Over 10,000 now ready for the market.

6 inch pots	each,	$1.50;	per 100, $140.00.
5 inch pots	"	1 00;	" " 95.00.
4 inch pots	"	.60;	" " 55.00.

Money returned if not satisfactory. Cash or C. O. D.

ANDERSON & CHRISTENSEN, Short Hills, N. J.

Mention the Florists' Exchange when writing.

A SNAP TO THE RIGHT MAN

One-Half or the Entire Stock of

Palms, Ferns and Decorative Plants

20,000 **Latania Borbonica,** in 3, 4, 5, 6, 7 and 8 in. pots, in good shape; good stock of other sorts. Will be sold at a big sacrifice. I cannot care for them. Write or call soon. It will pay if you mean business. Good discount on smaller lots.

W. J. HESSER, Proprietor Palm Gardens, Plattsmouth, Neb.

Mention the Florists' Exchange when writing.

AT A BARGAIN.

500 Bridesmaid Roses, 3-in., goods tock, a $4.00 per 100; the 500 for $18.00 cash.
Palms, Kentia, Belmoreana, 2-in., per 100 $7.00; 3-in., per 100, $20.00.
Latania Borbonica, 3-in., per 100, $15.00.
Dracæna Sanderiana, 2-in., per doz., $1.50.
Selaginella Emmeliana, 2-in., per 100, $3.00.
Asparagus Sprengeri, fine, 2-in., per 100, $4.00.
Grevillea Robusta, 3-in., per 100, $5.00.
Rex Begonias, 3-in., in 10 good varieties, per 100, $7.00.

SMILAX,

Good Stock, from Pots, at $1.25 per 100; $10 per 1000.
Satisfaction Guaranteed. Cash with Order.

GEO. L. MILLER, Newark, Ohio.

Mention the Florists' Exchange when writing.

RUBBERS. RUBBERS.

Select Stock.

2 feet and over, $5.00 per dozen.
3 feet and over, 75 cts. each.

ASPARAGUS PLANTS, 4 inch, 10 cts.

BOSTON FERN, 3 cts.

WASHINGTON FERN, 10 cts. to $1.00.

What have you to exchange? We want room.

F. H. KRAMER, Washington, D. C.

423 Centre Market.

Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent, also Second-hand Materials.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED.

YOUNG man wishes a situation as saleman and maker-up; 10 years' experience in first-class stores; reference. Address J. Newbeck, 327 W. 44th St., New York.

I AM looking for a position for my head gardener, in commerical or private place; further particulars and references. Dr. F. Lutze, 212 Keap St., Brooklyn, N. Y.

YOUNG married man, 28, having been in business, would like position, in New York or Brooklyn as designer and decorator. A. Minder, 76 Chadwick Avenue, Newark N. J.

FLORIST, first-class maker-up and decorator wants position in city florist's store or commercial place; best references. Pearson, 1892 Second Ave., New York.

GARDENER, German, 3 years' experience, all around hand in greenhouses, wishes position in New York. L. Gen. 150 Central cor. Willoughby Ave., Brooklyn, New York.

SITUATION wanted as forman or first assistant in a private or commercial place, by a German man, 34 years old; best of references as to character and ability. B B., care Florists' Exchange.

SITUATION wanted by a cut flower and pot plant grower, competent to take charge; German, age 31; life experience; best references given; state full particulars. B. C., care Florists' Exchange.

SITUATION wanted by a young man at general greenhouse work; 8 years' experence; A 1 designer and decorator; age 23 yars; please state salary. John Matthiesen, 581 6 h Ave, Brooklyn, N Y.

WANTED a situation as florist or gardener, grower of roses, 'mums, carnations, violets and general stock; married, no children; state wages and full particulars in first letter. Address O K Oakbrook, Berks Co., Pa.

POSITION WANTED, TO TAKE charge, thoroughly experienced in England and States; would prefer where high grade roses and carnations are grown; age 31; single. A. Y., care Florists' Exchange.

HELP WANTED.

WANTED-Florist and gardener, must be absolutely sober, and understand hot house and furnace. State wages expected, experience and references. Apply J. H. Kirby, Houston, Texas.

GARDENER wanted. A thoroughly experienced man to take charge of greenhouse, and first-class in filling fern dishes. Apply in person to L. Hart, 1600 Madison Avenue, New York City.

WANTED-A rose grower as an assistant in greenhouses; must be a good propagator; reference required from last place and wages expected. Address P. Connolly, 12 Keep St., Madison New Jersey.

WANTED—A single young man, experienced in general greenhouse work; must be a good potter and propagator. State particulars, references, wages per month and board. B. A., care Florists' Exchange.

WANTED—A thorough gardener and florist in a greenhouse near Boston; must be a good grower, potter and propagator of general greenhouse stock, palms, ferns, roses, carnations, etc., able to make up designs. State wages, references and experience. A. X., care Florists' Exchange.

PROFITABLE employment—Wanted by a Dutch nursery firm a representative in the Eastern States who will have to travel from 4 to 6 weeks yearly (May) on commission, traveling expenses being refunded; qualifications, smartness, thorough knowledge of the branch; young gardener will be preferred. Write to A. 280, care of The Nederlandsche Kiosken, Maatschappij, Rotterdam, Holland.

TRADE BOOKS

Commercial Plants:
Their Propagation and Culture.
(To be shortly issued.) A working handbook of every-day practice for the florist or gardener. Price, $1.00.

Commercial Violet Culture.
A Treatise on the Growing and Marketing of Violets for Profit. Price, $1.50.

Residential Sites (Landscaping).
A Complete Manual on the Planning, Planting and Maintenance of Home Grounds, from a 25x100 foot lot to large estates. Full cloth. Price, $2.50.

The Water Garden.
The only text book published that deals exclusively with the cultivation of Aquatic Plants and Accessories. Price, $2.00.

Telegraph Code:
For Florists, Nurserymen and Allied Industries. Price, $2.50.

Success with House Plants.
For Florists to sell over the counter to customers. Cloth, $1.00; paper, 50 cts.

Right Word in the Right Place.
A Dictionary of Synonyms. Paper, 10c.

The above books are all from the press of the publishers of the FLORISTS' EXCHANGE, and will be added to steadily. They are standard authorities in trade lines, and every tradesman and grower should possess this library. For sale by

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Nos. 2 to 8 Duane St., New York.

HELP WANTED.

WANTED—Warehouseman for retail seed house, capable of filling orders, receiving and caring for stock, etc. Address A. R., Seeds, care Florists' Exchange.

WANTED AT ONCE, ON COMMERcial place, practical man, good grower. Apply to Cook & McCord, Tarrytown, N. Y.

BUSINESS OPPORTUNITIES.

A GOOD CHANCE—I will let my greenhouses free of rent from now until next July 15th, 1901, to the party purchasing my stock. For particulars, address owner. A. W., care Florists' Exchange.

FOR SALE—Slaughterback Place Let us Grower 6 room house, cellar and summer kitchen, also a small 3 room cottage; 2 greenhouses 20x8 and one 20x90, now full of lettuce; good barn; water supply from large tank hot water heat; natural gas used; gas well on place, free gas. A paying business, right new. Reason for selling: Have other business that must have attention. Everything recently built and in good condition. For terms or information apply G. W. Herleman, 2316 S. Boots St., Marion, Ind.

POTTERY FOR SALE- A SACRAFICE—at Westside Ave., N. J., three miles from New York on C.R.R. of N.J. Especially adapted to making flower pots. Good local market and shipping facilities. C. Robotham, 1069 Broad St., Newark, N. J.

MISCELLANEOUS.

FOR SALE—Return head coil boiler, capable of heating 3,000 feet of glass, in perfect condition, used but one winter. Address Geo. Stollmeyer, Springville, N. Y.

SPECIAL OFFER—Have on hand one thousand pasteboard mailing tubes size 8x2½ in. closes at one end. Will sell to highest bidder in quantities to suit. Make an offer. Address A. H., care Florists' Exchange.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.

FOR SALE—GREENHOUSE PROPERTY IN THE thriving town of South Bethlehem, Pa.; population, 40,000. A plot, 50x200, on which are four houses, three 50x17 and one 23x50. Heating apparatus. This property will be sold cheap on easy terms, or rented. Immediate possession. No competition of any account. Trolley line passes the ground. Address M. H. BICKERT, 362 Gordon St., Allentown, Pa.

Mention the Florists' Exchange when writing.

BOWLING

Chicago.—A team from Milwaukee came down to play Chicago on Wednesday night, November 7, at Anson's alleys. As will be seen the Cream City's players got away with those of the Garden City. Following are the scores:

CHICAGO.

	1	2	3	Total.
Geo. Stollery	141	168	176	488
Chas. Balluff	115	157	152	454
Phil. Hanswirth	140	116	122	378
Fred Stollery	164	162	131	457
N. A. Schmutz	148	102	124	334
Ed. F. Winterson	168	159	159	447
Patrick O'Mara	144	132	157	433
Jno. Degnan	218	154	126	498
Total	1361	1276	1277	3914

MILWAUKEE.

	1	2	3	Total.
H. V. Hunkel	162	148	183	488
Wm. Edletsen	141	151	185	437
Max Reitz	81	75	125	281
Otto Sylvester	190	153	150	493
W. E. Keonedy	161	124	118	403
Alex. Klokner	157	125	130	412
Nick Zweifel	125	121	146	392
Fred Holton	149	216	177	451
C.C Pollworth	150	206	177	543
Total	1315	1285	1294	3894

Another game was played when Chicago beat the Milwaukees by 186 pins. Scores:

CHICAGO.		MILWAUKEE.	
Hauswirth	163	Hunkel	161
Balluff	161	Edletsen	128
Degnan	203	Sylvester	144
G. Stollery	195	Holton	141
F. Stollery	213	Klokner	100
Winterson	154	Pollworth	189
Total	1049		863

Ess.

FLORISTS VS. LAWLERS.

The Florists won three straight games from the Lawlers on November 12, which place them well in the front. The following is the score of the Florists' team:

	1	2	3
Balluff	146	157	136
G. Stollery	175	195	157
F. Stollery	213	134	183
Degnan	137	194	127
Winterson	153	163	166
Totals	834	833	769

New York.—Following are the scores made Monday afternoon last:

	1	2	3
W. H. Seibenheller	148	142	174
L. Hafner	188	184	208
W. H. Siebrecht	169	159	155
A. S. Burns	176	175	178
J. Lerscher	159	119	175
F. H. Traendly	138	165	122

West Hoboken, N. J.—Following are the scores made by the North Hudson Florists' Bowling Club November 14:

	1	2	3	4
Ch. Menne	106	132	127	129
M. Hansen	145	136	215	173
G. Kogge	121	137	124	120
W. Hillebrecht	114	109	169	..
L. Hansen	130	196	147	152
O. Grunebman	96	113	117	..
E. Schupp	69	75	83	116
H. Baumann	104	117	125	127
J. Birnie	..	90	104	174

Firms Who Are Building.

NEW LONDON, CONN.—Herman H. Appledore will erect a new greenhouse.

WHITMAN, MASS.—Robert Moir has added another greenhouse to his plant.

TOPEKA, KAN.—George Skinner will erect a greenhouse for vegetable growing.

BAY CITY, MICH.—Julius Schulz has completed the erection of a new greenhouse.

ATLANTIC HIGHLANDS, N. J.—E. A. Palmer's new greenhouses are nearing completion.

RACINE, WIS.—A. J. Fiddler is adding two new greenhouses, one 22 x 100 feet; the other 35 x 125 feet.

JOHNSTOWN, PA.—Adolf Stahl has built this Summer one rose house, 20x100 feet; one house, 10x100 feet and a shed 18x85 feet.

PEABODY, MASS.—J. M. Ward & Co. have just completed the erection of two new greenhouses. An additional boiler has also been installed.

QUESTION BOX

(231) **Time to Flower Spiræa japonica.**—If the night temperature is kept at about 60 degrees, spiræas will require 12 weeks to get them into flower; and the first three weeks of that time they may be kept underneath the benches.

(232) **Pruning and Moving Hardy Roses.**—Which is the best time to prune and move hardy rose bushes, in the Fall or early Spring?

—Transplanted in the Fall and pruned in the Spring will be found the best, though the bushes can be transplanted in the Spring successfully, if the operation be done early enough.

(233) **Dutch Hyacinths for Easter.**—What time should Dutch hyacinths, planted in pots the first of this month, be brought into the house to be in good shape for Easter, the temperature of the house ranging from 50 to 55 degrees night, and 65 to 70 degrees day time.—W. W.

—Easter falls on the 7th of April next year, and the bulbs should be brought in on the 15th of March.

(234) **Longiflorum Lilies for Easter.**—Our Lilium longiflorum, with the roots showing through the ball of soil, are now in a frame outside, covered with glass, a hot water pipe running through the frame; night temperature from 45 to 55 degrees. We desire to get the plants in for Easter without any extra forcing. What would you advise us to do—leave them out for a while yet, or bring them in to a house? What temperature would you suggest?

—To have the longiflorum lilies for Easter, which falls on April 7, next year, bring the plants into the greenhouse at once, affording a night temperature of 55 degrees; and when the plants are 10 or 12 inches in height, increase the night temperature to 60 degrees.

Cleveland, O.

Trade Notes.

The weather during the entire Fall has been warm and bright, and without frosts to do any serious damage until last Sunday night, when it turned suddenly cold and killed all tender stock that was exposed. Up to that time cosmos, outdoor chrysanthemums, cannas, etc., were still in bloom, and in such quantities as to affect quite materially the sale of cut flowers at the flower stores.

Business among the florists at this time is quite brisk; the retail men report a good store trade, and the growers find sale for the principal part of their products. There is no shortage in stock except in carnations; the blooms of which offered are quickly picked up. Extra grades are much sought, and the supply in these is not equal to the demand. Common grades sell at $1 and $1.25 per hundred; while the best flowers fetch $1.50, and in some cases as high as $2.

Roses are small, the red varieties especially. This is due, perhaps, to the dull weather of the past few days. Ordinary stock holds at the prices formerly quoted, viz., $2 and $4 per hundred. There is no change in retail values.

Chrysanthemums are plentiful, and some very fine blooms are seen. Growers realize as high as $1.50 per dozen for extra flowers, while the smaller blooms of the early varieties do not bring over 60c. and 75c. Choice stock averages $1 per dozen. Philadelphia, as seen among local growers, is very weak in stem, although the flowers are large, well filled and of fine form.

Notes.

The first snow fall occurred on Tuesday night, when a regular blizzard struck us.

Martin Renkauf, of H. Bayersdorfer & Co., Philadelphia, was a visitor during the early part of the week.

Wm. F. A. Kendel, of A. C. Kendel, seedsman, returned a few days ago from an extended hunting trip through the West.

Wm. Kruzen, in charge of Gasser's lower store, is on the sick list.

Your correspondent, in his travels among flower shops, has seen many inscriptions on funeral designs, but one in particular which recently came to my notice, on a design executed by a local florist, was the inscription "Promoted."

G. A. T.

USE W. C. KRICK'S FLORISTS' IMMORTELLE LETTERS, Etc.



Medal Awarded at the World's Fair and Highest Award Wherever Exhibited

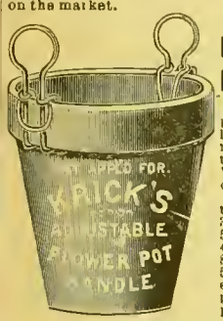
These Letters and Designs are made of the best Immortelle, wired on wood or metal frames, having holes drilled in them to insert toothpicks, by which they are fastened in the design. Give them a trial. You will find these goods to be superior to any in the market.

2-inch Letters, $2 50 per 100. Postage, 15 cts. per 100

For other styles of Letters, Emblems and Designs send for catalogue, and compare with any other letter on the market.

THE

Perfect Flower Pot Handle and Hanger



Is used for lifting plants out of jardinieres, also for hanging up plants for decorations on walls, etc. Will sustain a weight of 100 lbs.

No. 1 will fit from 2 to 5-inch pots, per doz 30c.; No. 2 will fit from 5 to 8 in. pots, per doz. 40c.; No. 3 will fit from 8 to 12 in. pots, per doz. 50c. Postage, 10 cents extra per dozen; sample pair 10 cents, postpaid.

KRICK'S "PERFECT" ADJUSTABLE and FOLDING

Flower Pot Stand



This stand is adjustable and folding (see cut), and can be raised from 24 to 40 inches.

The top of Stand is furnished with an indurated fibre saucer, and plants can be securely tilted at an angle by means of a curved rest laid under the flower pot; this is particularly handy when plants are used in decorations, etc.

The Stand can be erected and folded in a moment, and when folded quite a number can be packed together, taking comparatively little space in wagon, leaving a greater amount of room for plants, etc.

These Stands are finely finished in Aluminum and Gilt.

No 2, includes a 1-inch Saucer and Tilting Rest, price, $2.00.

For sale by all Florists, Supply Dealers,

Pat. Nov. 21, 1899. Open. Folded.

W. C. KRICK, 1287 Broadway, Brooklyn, N.Y.

Samples at the Convention.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR COCOA FIBRE, SHEEP MANURE, BONE, all grades, IMPORTED SOOT, CLAY'S FERTILIZER, SPHAGNUM and GREEN MOSS, RUSTIC WORK, all kinds. DUNNE & CO. 54 West 34th St. New York. HORTICULTURAL SUPPLIES.

Mention the Florists Exchange when writing.

ALL Nurserymen, Seedsmen and Florists

Wishing to do business with Europe should send for the

"HORTICULTURAL ....ADVERTISER"

This is the British Trade Paper, being read weekly by all Horticultural traders; it is also taken by over 1000 of the best Continental houses. Annual subscription to cover cost of postage, 75 cents. Address

EDITORS OF THE "H. A." Chilwell Nurseries, LOWDHAM, NOTTS.

Mention the Florists' Exchange when writing.

Oceanic, N. J.

The regular meeting of the Monmouth County Horticultural Society took place in Red Men's hall, Oceanic, N. J., November 8. An exhibition was held on the same date, free to the public. It was unfortunate that the hall was not larger; the exhibits of groups and specimen plants were too crowded. Some of the first prize-winners were: H. A. Kettel, N. Butterbach, H. Birch, W. Kennedy, G. Kuhn, Robert Murphy, and others. H. A. Kettel exhibited a yellow chrysanthemum, a seedling of E. D. Adams / Miss Hartshorn, which promises to be a great acquisition. A very good white seedling was shown by N. Butterbach. Hugh Birch displayed a fine collection of vegetables, including 17 kinds, among which were very fine peas, something rare at this time for this part of the country. Wellington Kennedy also exhibited a collection of vegetables, containing 18 distinct kinds, very fine. The judges were: Thomas Macintosh, J. T. Cruser, and Albert Brighton. The election of officers took place, those of last year being re-elected. According to the report of the Auditing Committee, the funds of the Society are increasing steadily. Three new members were proposed. It was decided to have the annual dinner on the occasion of the installation of officers at our next meeting. B.

Huntsville, Ala.—The five fruit nurseries around Huntsville are at present enjoying the greatest prosperity in their histories. One concern, the Alabama Nursery Company, has shipped during the past several weeks an average of one car of 18,000 trees every day. The cars averaged $3,000 each in value.

THE BUYERS' PAPER.

The paper that pays advertisers best is the one read by the most buyers. The Buyers' Paper among the horticultural trades is The Florists' Exchange.

We have facilities everywhere { FOR HANDLING COLLECTIONS FOR SECURING REPORTS.... FOR INFORMATION WRITE THE NATIONAL FLORISTS' BOARD OF TRADE, C. B. LODER, Sec'y, 271 Broadway, New York.

Mention the Florists' Exchange when writing

GOLD FISH Large or small (shipped safely by express), $5.00 per 100.
SILVER FISH Assorted sizes, $3.00 per 100.
FISH GLOBES Send for our Special Price List.
FISH FOOD.....per dozen boxes, 40 cts.
FISH GRASS...per dozen bunches, 50 cts.
TOBACCO STEMS Per bale, 250 lbs., $1.50; Ton, $9.00.
H. G. FAUST & Co., 64 and 66 N. Front St., Phil'a, Pa.

Mention the Florists' Exchange when writing.

FRUIT AND FLOWER PLATES

Seed Packets and Supplies of all kinds for NURSERYMEN, FLORISTS and SEEDSMEN

SEND FOR PRICE LIST.

Stock Cuts, 10c. per square inch Engraving by all processes. Printing and lithographing.

Illustrated Catalogues a Specialty.

VREDENBURG & CO., Rochester, N. Y.

Mention the Florists' Exchange when writing.



MAKE PERFECT WREATHS BY USING Meyer Green Silkaline

JOHN C. MEYER & CO., 81 Kingston St., Boston, Mass.

Mention the Florists' Exchange when writing.

Florists'

Supplies of all kinds for Store and Greenhouse; best quality Cycas Leaves at reduced cost; grand assortment of Metal Designs; Cycas and natural foliage wreaths in new styles; Cape Flowers, etc. Send for new list.

AUGUST RÖLKER & SONS, 52 DEY ST., NEW YORK.

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PURE RAW BONE FLOUR

Prepared Especially for the Florists' Trade. Ground finer than flour and will give immediate results. Guaranteed free from Acid and absolutely Pure.

ALLEGHENY CITY FERTILIZER WORKS, HERR'S ISLAND, Allegheny, Pa.

Write for Sample and Price.

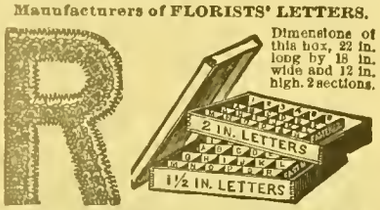
Mention the Florists' Exchange when writing.

FLORISTS' WIRE DESIGNS. REED & KELLER, 122 W. 25th St., New York. IMPORTERS AND DEALERS IN SUPPLIES

Mention the Florists' Exchange when writing

BOSTON FLORIST LETTER CO.

Manufacturers of FLORISTS' LETTERS.



Dimensions of this box, 22 in. long by 18 in. wide and 12 in. high. 2 sections.

This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.

Block Letters, 1½ or 2 inch size, per 100, $2.00.
Script Letters, $4.00.
Fastener with each letter or word.

Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.

N. F. McCARTHY, Treas. & Manager, FACTORY, 13 Green St. BOSTON, MASS. OFFICE, 84 Hawley St.

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A New Catalogue entitled

Flowers AND Floral Designs

Twelve pages and handsome cover Shows forty-one arrangements, with prices. For agents' use or promoting out-of-town trade.

Sample, 40c. in stamps. Circular Free.

DAN'L B. LONG, Publisher, BUFFALO, N. Y.

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SIGMUND GELLER,

Importer, Jobber and Manufacturer of

FLORISTS' SUPPLIES

Telephone, 1747 A, Madison Square.

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IMP. YOU SHOULD KNOW WHAT NOTED GROWERS SAY Imperial Liquid Plant Food DOES. Inodorous, not expensive. Full information, booklets, prices on request. Leading Eastern Dealers handle it. Eastern Chemical Co., Mfrs., 620 Atlantic Avenue, Boston, Mass.

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GEORGE RIPPERGER,

SHEEP MANURE

I have now on hand a large quantity of A1 SHEEP MANURE.

Send for PRICE LIST and SAMPLE.

Best Fertilizer for Top Dressing.

Office, 207 Academy St., Factory, Seventh St., LONG ISLAND CITY.

Mention the Florists' Exchange when writing.

CANADIAN UNLEACHED HARDWOOD ASHES

Can you sell this valuable fertilizer? If so, write for price and pamphlet

GEO. STEVENS, Peterboro, Ontario, Canada.

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Sulpho-Tobacco Soap

COMBINING the qualities of an absolute insect exterminator with those of a vigorous fertilizer. Recommended and in use by the foremost florists and nurserymen in the land. For Sale at the Seed Stores.

ROSE MFG. CO., Niagara Falls, New York.

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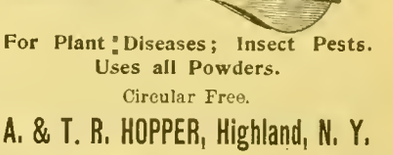
Hopper's Dry Powder Gun



For Plant Diseases; Insect Pests. Uses all Powders.

Circular Free.

A. & T. R. HOPPER, Highland, N. Y.

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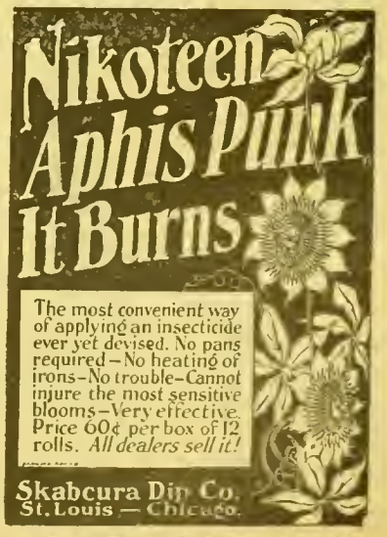

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RED STANDARD POTS

CORRECT SIZE. SUPERIOR QUALITY.
LOWEST PRICES

Write for List.

C. HENNECKE CO., MILWAUKEE, WIS.

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STANDARD FLOWER POTS

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2 in. pots in crate,	$4.88	120 7 in. pots in crate,	$4.20
1500 2½ " "	5.25	60 8 " "	3.00
1500 2½ " "	6.00	48 9 " "	5.60
100 3 " "	5.00	48 10 " "	4.80
800 3½ " "	5.80	24 11 " "	3.60
500 4 " "	4.50	24 12 " "	4.80
320 5 " "	4.51	12 14 " "	4.80
144 6 " "	516	6 16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Address Hilfinger Bros. Pottery, Fort Edward, N. Y

Or AUGUST ROLKER & SONS, New York Agents, 52 DEY STREET, NEW YORK CITY

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WHY NOT BUY RED POTS OF US?

STANDARD SIZE

Quality-No Better.

Carefully Packed in Small Crates. Easy to Handle.

PRICE LIST FREE.

Syracuse Pottery Co., Syracuse, N. Y.

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Hundreds of Florists ARE USING OUR PULVERIZERS

You can regulate it. Send for list of testimonials. Pat. allowed Feb. 25, 1900. No. 1, $5.00; No. 2, $10; No. 3, $20.

The Florists' Supply Co., No. Tonawanda, N. Y.

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Evans Improved Challenge.

Roller bearing, self-oiling device, automatic stop, solid link chain makes the IMPROVED CHALLENGE the most perfect apparatus in the market.

Write for catalogue and prices before placing your orders elsewhere.

QUAKER CITY MACHINE CO., RICHMOND, IND.

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MASTICA

FOR GLAZING GREENHOUSES.

Proven superior to putty. Easier to apply and stays on. Not effected by extremes of weather. Endorsed by prominent florists. Send for descriptive circular of Mastica and Mastica Glazing Machines.

F. O. PIERCE CO., Sole Manufacturers, 170 Fulton St., New York.

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SPHAGNUM MOSS

Clean and fresh, $1.00 per 5 barrel bale; 3 bales $2.50; 5 bales $4.00.

H. R. AKERS, CHATSWORTH, NEW JERSEY.

Mention the Florists' Exchange when writing.

U. C. Ryerson, of Newark, Pays the Freight!

TOBACCO STEMS AND DUST

Guaranteed Extra Strong and Fresh

Stems, bales, 150 to 500 lbs., 75 cts. per 100. Dust, packages, 25-50-100 lbs., 3 cts. per lb.

U. CUTLER RYERSON, 108 Third Ave., Newark, N.J.

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PALM FIBRE

Large consignment just received.

PRICE ON APPLICATION.

SUZUKI & IIDA, 11 Barclay St., New York.

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The Jennings Improved Pans

For vaporizing Tobacco Water and Tobacco Extracts.
Made for any sized steam pipe.
Write for price, also circular.

JENNINGS BROS., Olney, Phila., Pa.

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NOW IS THE TIME TO BUY

CANE STAKES

8 to 10 feet long,
$5.00 per 1000; 5000 for $20.00.
We are headquarters for Galvanized and Dowel Stakes

HENRY F. MICHELL
1018 Market St., Phila.
WHOLESALE PRICE LIST OF SEEDS, BULBS &c. ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS

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BUY A STANDARD ARTICLE.

A GOOD HOSE IS A GOOD INVESTMENT.

Write for prices, as we cannot guarantee them more than 30 days ahead.

Our Hose is always same quality. Our Hose is not made to fit the price, but the price is made to pay for the quality of the goods you are getting.

J. G. & A. ESLER, Saddle River, N. J.

Mention the Florists' Exchange when writing.

New Orleans, La.

At last we are having a little cold weather. The past Summer has been a long, trying one, in more ways than one. We had heavy rains for three or four months; October was dry and hot, the thermometer going up in the nineties almost every day. Outside stock has not grown extra well; there has been too much rain for most of it. Roses and carnations, inside, are looking a little weak on account of the unfavorable weather. Palms and all kinds of foliage plants have grown well; this class of stock always gives satisfaction here in Summer. Annuals have not been a success this Fall, most of the early sowings damping off.

Chrysanthemums have been almost a failure in most places. Some growers shaded the plants, just as the buds commenced to show color. This year the midseason varieties are about two weeks later, and the early sorts one week. All Saints' Day used up all the good flowers obtainable, in and about the city. C. Holst, as usual, had his seedlings all in for the first. He has raised varieties, of full size, and good color, that will stand 90 degrees of hot sun, without burning. These have been grown by him six years, and have never failed yet. Mr. Holst never covers his flowers. We hope to see these varieties on the market next year. They will be a boon to our florists. Abele Bros. had in a good lot of Robinson and Troy, nice flowers, all grown under glass.

M. Cook & Son had a bed of Robinson under canvas, very good blooms; also a few seedlings, including one from the popular single variety, Silver Thimble. John St. Mard had a large bed of Kate Brown, extra good, grown under canvas, very clean stock. He found no trouble in disposing of it. His Robinson were burned; some of his Lady Playfair were good.

Frank Faessel had about 1,000 large plants of Kate Brown, that sold well; these were not disbudded and came in just right.

Victor Ansemau had about 4,000 plants of Mrs. Robinson, which were about 10 days too late He had several thousand dahlias, white, red and yellow, that sold well, at wholesale, for $3.50 per 100. Mrs. J. Muller's chrysanthemums were all late. Her dahlias were good. E. Valdejo said he never had such fine roses as this year; they sold at 50c. per dozen. His chrysanthemums were only second class. P. A. Chopin reports a good trade in his new store on Magazine Street. Francois Gruza did a large trade; but having to buy everything, and half of the flowers received being rotten in the boxes, the profit was cut down more than 50 per cent.

Dried work is going out of date very fast, specimen flowers, of chrysanthemums and roses, in loose bunches, with ferns and asparagus, taking its place. Chicago furnished most of the stock, a great deal of which arrived in miserable condition.

U. J. Virgin reports a very large business, as usual. He cut a great many roses from plants in his houses. C. H. Eichling had three stores going. J. H. Menard, F. B. Faessel, Charles Ebele, M. Cook & Son, Schindler & Van Geffen had a great show of dried and metal work. William Rehm had one of the best displays on Canal Street. R. E. Simon, on Magazine Street, did well.

Large chrysanthemums sold at from $1.50 to $5 per dozen; roses, $1.50 to $2; carnations 75 to $1; dahlias, 50c. per dozen.

Roy McGregor, of Springfield, Ohio, was here recently. J. B. Helss, of Daytona, Ohio, is with us now, with samples of everything in the plant line. He is doing a large trade.

HARRY PAPWORTH.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO., LOCKLAND, OHIO.

Mention the Florists' Exchange when writing.

Independent of all Trusts.

GLASS for Greenhouses, Conservatories, Hotbeds, etc., at less than Trust prices.

THE REEO GLASS AND PAINT CO., New York. 456 WEST BROADWAY.

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Steam and Hot Water HEATING

Perfectly installed by

H.W. GIBBONS, 126 Liberty St., New York.

CATALOGUES 4 CENTS.

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GORTON SIDE FEED BOILERS

Will Run All Night without Attention.

INVESTIGATE FOR YOURSELF.

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GLASS

For Greenhouses, Graperies, Hotbeds, Conservatories, and all other purposes. Get our figures before buying. Estimates freely given.

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Mention the Florists' Exchange when writing.

SUMMER IN WINTER

By Using

Standard Greenhouse Boilers

One cent gets our Catalogue.

GIBLIN & CO., Utica, N. Y.

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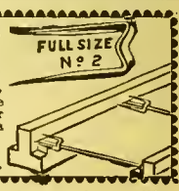
Holds Glass Firmly



See the Point

The Van Reyper Perfect Glazing Points are the best. No rights or lefts. Box of 1000 points 75 cents, postpaid.

HENRY A. DREER, 714 Chestnut St., Phila., Pa.

Mention the Florists' Exchange when writing.

Lehman's Wagon Heaters

Will protect Plants from freezing in the coldest weather at the cost of one-half cent per hour.

NO DANGER OF FIRE.
NO GASES TO INJURE PLANTS.
NO ODOR. NO SMOKE. NO DIRT.

Over 135,000 in actual use every Winter by Florists, etc.

Send for Descriptive Circular and Price List.



LEHMAN BROS., MANUFACTURERS, 10 Bond Street, NEW YORK.

JAS. W. ERRINGER, Gen. Western Sales Agent, 297 Wabash Ave., CHICAGO, ILL.

Mention the Florists' Exchange when writing.

Garland's Iron Gutter and Drip Conductor

NO SNOW or ICE

Arranged for either Expansion or Fixed Joints



GEO. M. GARLAND, Desplains, ILLS.

This Gutter will save money in cost of construction as well as in rebuilding.

Parties contemplating using iron gutters will do well to note the wording of Patent No. 616,781, issued to Geo. M. Garland, as published in previous issues.

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IMPROVED GREENHOUSE

GLAZING POINT

A sure preventive of glass slipping; effective on large or small glass; zinc, will not rust; last forever; easy to drive and easy to extract. Two sizes, ⅝ and ¾ in. long. One pound packages, 40 cts. 1440 points ⅝ in. size, 1040 points ¾ in. size, to a pound. By mail, 16 cts. per lb. extra.

For Sale by the Trade.

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All Sizes a Specialty.

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ORMSBY VENTILATING SYSTEM BALANCED

FOR PARTICULARS ADDRESS

E. A. ORMSBY, Melrose, Ma.

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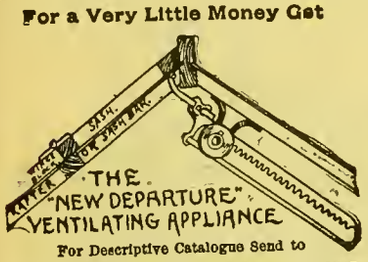
IF YOU WANT A

GOOD SASH LIFT

For a Very Little Money Get



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CYPRESS GREENHOUSE MATERIAL

OF ANY DESCRIPTION

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CABLE AND PIPE

Ventilating System.

SOIL-MACHINES

In Large or Small Sizes.

SEND FOR CATALOGUE.

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CYPRESS SASH BARS

ANY LENGTH UP TO 32 FEET OR LONGER



THE A. T. STEARNS LUMBER CO.

NEPONSET, BOSTON, MASS.

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HAVE RICH MELLOW LAND.

That condition is sure to follow thorough draining with JACKSON'S Round



AGRICULTURAL DRAIN TILE. For 45 years we have been making these and Sewer Pipe, Red and Fire Brick, Oven Tile, Chimney and Flue Linings and Tops, Encaustic Sidewalk Tile, &c. Supply Mortar Colors, Plaster, Lime, Cement &c. Write for prices. John H. Jackson, 99 3rd Av. Albany, N.Y.

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We CONSTRUCT—HEAT—VENTILATE.

We sell GREENHOUSE BOILERS, WIND MILLS,

"FLORIST" HOSE, PIPE, FITTINGS, VALVES, PUMPS.

Write for Prices and Catalogues.

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GET THE BEST

USE THE

FURMAN (NEW MODEL) BOILER

Designed especially for

GREENHOUSE HEATING.

Boiler can be made larger after installed, if ever desired.

Write for Special Florists' Catalogue. Sent free upon request.

THE HERENDEEN MFG. CO.,

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Branches: 39 Cortlandt St., New York, Bloomington, Ill., and 120 High St., Boston

Riemer & Rsdmer, Wis. Agts., 411 State St., Milwaukee

FURMAN BOILERS ARE COAL SAVERS.

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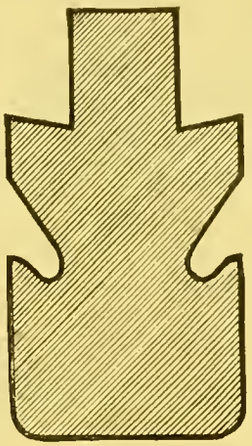

HORTICULTURAL ARCHITECTS

—AND THE—

LARGEST BUILDERS OF GREENHOUSE STRUCTURES.

RED GULF CYPRESS GREENHOUSE MATERIAL.

Strictly free from Sap.

LARGEST STOCK OF AIR-DRIED CYPRESS IN THE NORTH.

Greenhouse Catalogue, also Greenhouse Heating and Ventilating Catalogue, mailed from our New York Office on receipt of five cents postage for each.

Send for Circular of Cypress Hot Bed Sash and Frames.

LORD & BURNHAM COMPANY,

NEW YORK OFFICE: St. James Bldg., Broadway & 26th St.

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GREENHOUSE MATERIAL



Cal. Red Cedar and Louisiana Cypress.

BEST GRADES. PERFECT WORKMANSHIP.

A. DIETSCH & CO., 616-621 Sheffield Avenue, CHICAGO, ILL.

Mention the Florists' Exchange when writing.

GLASS FOR GREENHOUSES, GRAPERIES, CONSERVATORIES, AND HOTBEDS. GLASS

VANHORNE, GRIFFEN & CO.,

French and American Glass. 40 TO 48 VESTRY ST. COR. GREENWICH ST. NEW YORK.

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GREENHOUSE BOILERS

None stand investigation and actual test like

"THE DEAN."

WRITE FOR NEW CATALOG.

Dean Boiler Co. 73H Pearl St. Boston, Mass.

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Standard Ventilating Machine

...HAS POSITIVELY NO EQUAL FOR...

STRENGTH, DURABILITY and NEATNESS.

Guaranteed for 10 years. Has a solid wheel and shaft cast in one (malleable iron). No slipping on Line Shaft as the case with all others. Catalogue free.

Mention this paper

.....E. HIPPARD, Youngstown, Ohio.

HOT-BED . . .
GREENHOUSE . .
VENTILATOR . .

SASH

Gulf Cypress Bars.

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GET OUR PRICES BEFORE BUYING

GREENHOUSE GLASS!

Manufactured by S. JACOBS & SONS,

New Factory, Flushing Avenue, near Metropolitan Avenue, BROOKLYN, N. Y.

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TOBACCO INSECTICIDES.

Stems, fresh picked, bale or case of 300 lbs., $1 50.
Dust, fresh ground.....100 lbs., $2 25; 200 lbs., 3.50.
Extract.....gallon, $1 25; 5 gallons, 4.25.
Nikoteen.....$1.50 per pint; 5 pints, 7 00.
Soap..... 30c. per lb.; 25 lbs.,. 5.00.
Full line of **Insecticides** and **Appliances**.
SEND FOR CATALOGUE.

W. C. BECKERT, Seedsman, Allegheny, Pa.

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FLORISTS' SUPPLIES

Largest Stock in the Country.

All goodsup-to-date and of superior quality. Write us for prices and other information. Our new catalogue sent on application to the trade only.

NEW CAPE FLOWERS!

Price on Application.

H. BAYERSDORFER & CO.,
50 62, 64, 66 N. Fourth St., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

VIOLETS.

La France and **Princess of Wales**, strong plants, $5.00 per 100.
Primula Forbesii, 3-in. pots, $5.00 per 100
Umbrella Plants, 3 in. pots, $5 00 per 100
Pansy Plants. The very finest strain, in separate colors, $1.00 per 100.

C. EISELE, Philadelphia, Pa.
11th and Jefferson Streets.

Mention the Florists' Exchange when writing

DAMMANN & CO.,

Seed and Bulb Growers,

San Giovanni a Teduccio, prov. of Naples, Italy.

CANNAS

Orchid-Flowered, Crozy's and Others.

Largest Collection of the Finest Sorts.

ASK FOR SPECIAL LIST.

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A SPECIAL OFFER.

Pansies, Roemer's Superb Prize, nice, strong, bushy plants, 500 for $3.00; $5.00 per 1000.

	Rooted Cuttings. Per doz.	Per 100
Abutilon Savitzii	$0 20	$2.00
Feverfew, Little Gem	.20	1.25
Heliotropes, three varieties	.20	1.00
Carnations, Mrs. Thos. W. Lawson	1.75	12.00
Agerntum, Princess Pauline	.20	1 00

All No. 1 stock, well rooted. Express prepaid and satisfaction guaranteed.

S. T. DANLEY, - Macomb, Ill.

Mention the Florists' Exchange when writing.

CINERARIAS

A Superior Strain, 2¼ inch, $2.00 per 100.

CYCLAMEN PERSICUM GIGANTEUM, 4 inch, 18 00 per 100.

CHINESE PRIMULA, 4 inch, $6.00 per 100.

WHITTON & SONS, Wholesale Florists,
City and Green Streets, UTICA, N. Y.

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NORWAY SPRUCE

3 to 5 inches, 2 years	$4.00	per 1000.
5 to 8 " 2 "	6.00	"
8 to 10 " transplanted	10.00	"
1 to 1½ ft., transplanted	20.00	"
1½ to 2 ft., "	35.00	"

Several acres of handsome twice transplanted **Norway Spruce**, etc., 3 to 8 ft, suitable for Xmas.

Jenkins' Evergreen and Seedling Nursery,
Winona, Ohio.

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SOMETHING NEW!

TRUE SHAMROCK

(Oxalis Ascetosella.) From cemetery of Down patrick in Ireland. Plants from 2¼ in. pots, ready Feb 1st., $4 00 per 100; $35.00 per 1000. 250 at 1000 rate. Cash with order. Order early, as stock is limited.

J. D. Harcourt's Son, Wappingers Falls, N. Y.

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PRIVET

	100	1000
12 to 18 inch	$1.50	$13 00
18 to 24 inch	2 00	17.50
2 to 2½ feet	2.50	20.00

5 feet high, for screens, $7.50 per 100.

Trees, Shrubs, Plants, Vines,
Contracts made for Privet cuttings.
CASH WITH ORDER.

Atlantic Coast Nursery, Office, 606 4th Ave., ASBURY PARK, N. J.
JAMES H. CORNELL, Proprietor.

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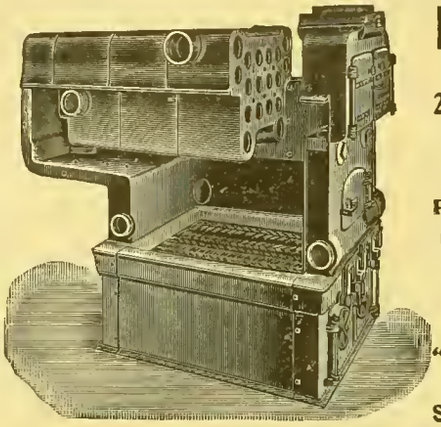
Greenhouse Heating and Ventilating

Horticultural Architecture and Building.



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ESTABLISHED 1844.

233 Mercer Street, New York.

FIVE PATTERNS OF BOILERS,
Nineteen Sizes.

Perfect Sash Raising Apparatus.

Rosehouses, Greenhouses, Etc., of Iron Frame Construction erected complete or the Structural Iron Work shipped ready for Erection.

Iron Frame Benches with the

"Perfect Drainage Bench Tile"
for Slate Tops.

Send 4c. Postage for Illustrated Catalogue

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A. HERRMANN,

IMPORTER AND DEALER IN

FLORISTS' SUPPLIES,

Manufacturer of **METAL FLORAL DESIGNS.**

Telephone, 1837 Madison Square.

404, 406, 408, 410, 412 East 34th St. - NEW YORK.

Mention the Florists' Exchange when writing.

Commercial Violet Culture PRICE $1.50

A. T. DELAMARE PTG. AND PUB. CO., 2 to 8 DUANE ST., NEW YORK.

THREE SILVER MEDALS IN THREE WEEKS



Amer. Institute, N. Y.



Penna. Hort. Soc.



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Awarded Our GRAND NEW ROSE

QUEEN OF EDGELY

PINK AMERICAN BEAUTY

Also the Following CERTIFICATES OF MERIT:

- AMERICAN ROSE SOCIETY
- SOCIETY OF AMERICAN FLORISTS
- CHEST. HILL, PHILA., HORTICULTURAL SOCIETY
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Read the Report of the Judges Appointed by the Philadelphia Florists' Club to Examine This New Rose:

We are convinced that the variety is a valuable addition to the list of forcing roses, being in every respect, except color, the exact counterpart of the American Beauty. The color is a beautiful bright pink, which is good even in the full flowers. The fragrance is also as fine as that of American Beauty, and the exhibited blooms showed remarkable vigor.

(Signed) ROBERT KIFT, WM. MUNRO, JOS. HEACOCK.

PLANTS READY FOR DISTRIBUTION APRIL, 1901.

Or

ROBT. CRAIG & SON, Eastern Agts., 49th and Market Sts., Phila., Pa.
E. G. HILL & CO., Western Agts., Richmond, Ind.

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THE FLORAL EXCHANGE, Inc.,
335 N. 6th St., Philadelphia, Pa.

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The Florists' Exchange

We are a straight shoot and aim to grow into a vigorous plant.

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL.

Vol. XII. No. 47. NEW YORK, NOVEMBER 24, 1900. One Dollar Per Year.

HERE IS A BARGAIN CHANCE OF A LIFE-TIME

In Order to Close Out Stocks Remaining Unsold We Make the Following Remarkable Offer.

If you wish to avail yourselves of it, **ORDER AT ONCE BEFORE STOCK IS EXHAUSTED.** We offer these at

LESS THAN COST

As we are are desirous of closing out small surplus remaining unsold without delay. **Bulbs offered are of the Very Best Quality, and are in First-Class, A No. 1 Condition,** and we guarantee that they will prove satisfactory, or money refunded.

White Roman Hyacinths, Extra quality bulbs. 12-15 centimeters in circumference.

Per Case 2,100 Bulbs for Only $25.00.
CASH WITH ORDER.

Paper White Narcissus Grandiflora, Extra quality bulbs. 13 centimeters and up in circumference.

Per Case 1,400 Bulbs for Only $7.50.
CASH WITH ORDER.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.

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Asparagus Plumosus Nanus

CUT STRINGS, 8 to 10 Feet Long **50** CTS.

W. H. ELLIOTT, BRIGHTON, MASS.

Don't Miss This.

A delayed shipment of **Japan Lilium Longiflorum** bulbs has just reached New York in **perfect condition** and placed with us for sale, but owing to arriving late **"missed the market,"** and are offered until sold, as follows:

Japan Lilium Longiflorum

Bulbs, 7 to 9 inches in circumference.

$5.00 will buy an original case of **152** bulbs; **worth $7.60.**
$10.00 will buy an original case of **330** bulbs; **worth $16 50.**
$30.00 will buy **1000** bulbs; **worth $50.00.**
$100.00 will buy **4000** bulbs; **worth $200.00.**

CLUCAS & BODDINGTON CO., 342 W. 14th St., N.Y.City. Telephone, 461 18th.

Importers, Exporters and Growers' Agents of SEEDS, BULBS and PLANTS.

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Business Candidates Elected

We are ready for BUSINESS

WHAT'S THE MATTER WITH

OUR CANDIDATES

ROOSEVELT AND PROSPERITY

THE BEST TWO CARNATIONS IN SIGHT

ORDER EARLY

ROOSEVELT, $12.00 per 100; $100.00 per 1000.
PROSPERITY, $16.00 per 100; $130.00 per 1000.

YOU CAN GET THEM AT

THE COTTAGE GARDENS, Queens, L. I.

See Our Advertisement, page 1065.

Mention the Florists' Exchange when writing.

Useless to go any further. You can not do any better on



SPIRÆAS.

	100	1000
Japonica, - - -	$3.50	$32.50
Compacta Multiflora,	4.00	35.00
Floribunda, - - -	4.00	

Chinese Sacred Lilies In Msts of 30, $1.25 per Mat

WM. ELLIOTT & SONS, New York.

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SPIRÆA AND VALLEY

	Per 100
Spiræa Japonica	$3.50
Astilboides Floribunda	4.00
Compacta Multiflora	4.00
New Gladstone	14.00

F. O. B. New York. Extra Large and Fine.

VALLEY.	Per 1000
London Market	$14.50
Premium	12.50
International	10.25

Price case lots on application.

SURPLUS BULBS Must Be Sold.

Tell Us What You Can Use—We will Quote You Right Prices.

Lilium Longiflorum, Jap., 7-9.
" " " 9-10.
" Harrisii, 9-11.

Mammoth Freesias.
Single and Double Tulips.
Hyacinths, Double Named and Bedding sizes, Named Varieties.

VAUGHAN'S SEED STORE, 14 Barclay St., NEW YORK. 84-86 Randolph St., CHICAGO.

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On account of Lateness of Season, we Offer to Clear

SURPLUS STOCK

At Less Than IMPORT PRICE:

Lilium Longiflorum.

JAPAN GROWN. Sound. Clean.

6 x 7.....100, $1 50; case 500 bulbs, $7.00
7 x 9.....100, $3.50; case 300 bulbs, $9 00

HYACINTHS.

	100	1000
French Rose Roman	$1.00	$8.00
Dutch, 1st size, separate color	3.50	
Dutch Named, our choice	5.00	
Dutch, miniature, our choice	2.25	

NARCISSUS.

	100	1000
Poeticus Ornatus	$1.00	$9.00
Alba Plena Odorata	.75	6.00
Golden Sun	1.00	9.00
Trumpet Major	.80	7.00
Von Sion, extra size	1.25	10.00
" " select "	.85	7.50
Single, Double and Trumpet, mixed	.75	6.00

TULIPS.

	100	1000
Single and Double, mixed	$0.75	$6.00
Separate colors, single and double	.85	7.00
Choice colors	1.20	10.00
Joost Von Vondel	.80	7.00
La Reine	.90	8.00
Rose Grisdelin	.90	8.00
Mon Tresor	1.20	
Wouverman	.75	6.00
Yellow Prince	1.00	9.00
Duke of York	.80	7.00

	100	1000
Gloria Solis	$1.00	$9 00
Imp. Rubrum	1.50	14 00
La Candeur	.80	7.50
Murillo	2.00	19 00
Rex Rubrorum	1 20	11.00
Tournesol	1.20	11.00
CROCUS, separate colors	.20	1.75
ANEMONES, single and double	.80	7.50
JONQUILS RUCULOSUS	.50	3.50
IRIS HISPANICA	.40	3.00
" **ANGLICA**	.70	6.00

Cyclamen Persicum Giganteum.

Unrivalled in size of flower and brilliancy of coloring.

In separate colors.....Dozen, $1.00; 100, $7.00

JUST ARRIVED.

	12	100
Spiræa Japonica Compacta Multiflora	$0.60	$4 00
" Astilboides Floribunda	.50	3 75
Gladioli Colvillei Alba, "The Bride"	.50	3.75
Dielytra Spectabilis, "Bleeding Heart"	.85	5.75
Lilium Auratum, 8-9 inch	.60	4.00
" 9-11 inch	1.00	7.00
Lilium Rubrum, 8-9 inch	.60	4.00
" " 9-11 inch	.85	6.00
Lilium Album, 8-9 inch	.75	5.00
" " 9-11 inch	.85	6.00

New Catalogue for all FALL AND SPRING BULBS, SEEDS, Etc., Ready by Dec. 10th.

H. H. BERGER & CO., Established 1878. 47 Barclay St., New York.

Mention the Florists' Exchange when writing.

COLD STORAGE VALLEY—Per case, 3000 pips, $36.00.

SINGLE TULIPS, La Reine	$10.00 per 1000;	$1.25 per 100
DOUBLE TULIPS, Tournesol, red and yellow	12.00 "	1.25 "
NARCISSUS, Princeps	5.00 "	.60 "
" Trumpet Major	8.00 "	.90 "

LILIUM LONGIFLORUM, prices on application.

STUMPP & WALTER CO., 50 Barclay Street, NEW YORK.

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Mention the Florists' Exchange when writing.

Italian Seeds

Our Wholesale Seed Catalogue has been posted to the Trade. If not received please apply to

DAMMANN & CO.,

San Giovanni a Teduccio, Prov. of Naples, Italy.
Seed Growers.

Purveyors to H. M. the King of Italy.

Mention the Florists' Exchange when writing

CALADIUMS

FANCY-LEAVED.

Ready in December a choice collection of named varieties, dry bulbs, as follows:

½ to 1 in. diam ...$3.75 per 100; $30.00 per 1000
Over 1 to 2 in. diam. 5.00 " 45.00 "
Over 2 to 3 in. diam. 12.00 "

PHRYNIUM VARIEGATUM

Elegant foliage plant, green and white, dry tubers, $4.00 per 100; $25.00 per 1000.

THE JESSAMINE GARDENS, Jessamine, Fla.

Mention the Florists' Exchange when writing.

1901 Specialties . . . .

Asters Daybreak, Purity and Branching Comet...

Cabbage Novelty . . .

20th Century Earlier than the Wakefield, as solid as Danish Ballhead. Write for prices and description. Halftone cuts for catalogue purposes.

JAMES VICK'S SONS,
ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

WE NOW BOOK ORDERS

—FOR—

SPIRÆA

	Per 100
JAPONICA, large clumps,	$4.00
COMPACTA, "	4.00
ASTILBOIDES, "	4.00

TUBEROSES THE PEARL, 4 to 6 inch, per 1000, $5.00; 3 to 4 inch, $2.50 per 1000.

Net Cash With Order.

HULSEBOSCH BROS., Englewood, N. J.

Mention the Florists' Exchange when writing

ESTABLISHED 1802

THORBURN'S SEEDS

SURLPUS AT REDUCED PRICES.

LILIUM LONGIFLORUM JAPAN

6 to 8 inches .....$24.00 per 1000
7 to 9 " .....$34 00 "

White Italian Hyacinths, per 1000 largest size.....$ 8.00
Spiræa Japonica Clumps..... 24.00
Spiræa Japonica Compacta Multiflora..... 40.00

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

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CYCLAMEN

GIGANTEUM SEED.

The finest giant flowering varieties, in choicest mixture, 200 seeds, $1.00; half pkt., 50c.; $4.00 per 1000.

JOHN F. RUPP, Shiremanstown, Pa.

The Home of Primroses.

Mention the Florists' Exchange when writing

SEEDS FOR FORCING

TOMATOES, { Best of All, Lorillard, Frogmore Selected.

CUCUMBERS. MELONS.

SURE CROP MUSHROOM SPAWN, $8 per 100 lbs

WEEBER & DON, Seed Merchants and Growers 114 Chambers St., N. Y. City

Mention the Florists' Exchange when writing.

PALM SEEDS

Fresh on Hand.

Chamærops Excelsa (in 10 lb. lots at 30c.) per lb., 40c.
Washingtonia Robusta..... " 75c.

	Per 100	1000	5000
Erythea Edulis (Brahea Edulis)	50c.	$4.00	$18.00
Phœnix Canariensis	50c.	2.0	
Phœnix Rectinata	25c.	$2.00	8.75

GERMAIN SEED & PLANT CO., Los Angeles, Cal.

Mention the Florists' Exchange when writing



HELLER & CO. MONTCLAIR, N.J. U.S.A.

Mention the Florists' Exchange when writing.

THE place to advertise Christmas Goods is in a Christmas Number—The Florists' Exchange, December 8.

GUARANTEED HOLLY

BOUQUET GREENS
MISTLETOE

MOSS WREATHS, IMMORTELLES.

STUMPP & WALTER CO., 50 Barclay St., New York.

Mention the Florists' Exchange when writing.

BULB PRICES THAT WILL INTEREST YOU!

LILIUM AURATUM, 7-9.....$4.00 per 100
" RUBRUM, 7-9..... 4.00 "
" ALBUM, 7-9..... 5.00 "

SUPERFINE SINGLE MIXED TULIPS, per 100, 75c.; per 1000, $6 50.

FRENCH WHITE ROMAN HYACINTHS, 12-15 cent., $1.40 per 100; $13 00 per 1000.

PAPER WHITE GRANDIFLORA NARCISSUS, 60 cts. per 100; $5.00 per 1000.

FREESIA REFRACTA ALBA, 40 cts. per 100; $3.00 per 1000.

CHINESE SACRED LILIES, per basket (30 bulbs, $1.25; per mat (120 bulbs), $4.75.

Write for Prices on **Sweet Peas** for Forcing.

JOHNSON & STOKES, Seedsmen, 217-219 Market St., PHILA., PA.

Mention the Florists' Exchange when writing.



AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Cincinnati, O., President; F. W. BOLGIANO, First Vice-President; S. G. COURTEEN, Milwaukee, Wis., Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

Providence, R. I.—A. M. Rennie, seedsman, has been confined to his bed the past week, suffering from malarial fever.

Bulb Growing in Washington State.—C. T. Canfield, proprietor of the Fort Bellingham bulb garden, has just finished planting 30,000 tulip bulbs and 3,500 hyacinth bulbs. This year's crop of bulbs numbered about 30,000. These are select stock, and will be shipped to Chicago for the market.

St. Paul.—Seed is now coming in quite rapidly, and every day adds to the apparent shortage in certain lines. Prices are well up, higher in many instances than for several years, and are still soaring upward. Corn seems to be the one exception to light crop reports, and will probably not be "bulled" on the market to any great extent.

L. L. May & Co. have been making extensive improvements in their main warehouse down town, and also in their storage branch on Como Avenue. In the former place, the packets filled by three Brown filling machines are dropped on to an endless belt, and conveyed to their proper bin, and there dumped automatically. A circular railway surrounds the bins on which run small trucks with cases standing on them. A girl pushes the truck with the case in front of her, filling in the proper varieties from the bins, and when the circuit is completed, the case is ready for the packer to nail it up.

At the Como Ave. warehouse a new engine and dynamo have been installed. The engine runs an elevator which takes the peas and beans to the mill on the second floor and runs the picking machines, 20 in number, which are operated by girls. The dynamo furnishes light for the warehouse, and the large greenhouse range adjoining. Bouquet green is a scarce article again this year, and high prices are now ruling in this market.

Recent callers on the trade were: J. M. Kimberlin and grandson, and J. B. Agnew, of California; W. H. Small, of Evansville, Ind., Henry Nungesser, of New York, and a representative of Vilmorin Andrieux & Co., of Paris.

VERITAS.

European Notes.

The much needed rains, which are falling with great persistency, have put a stop for the moment to our seed dressing operations, and enabled us to examine the conditions of trade in Dutch and other bulbs. On all hands the report is that the demand has been very much smaller than last year. In some respects the higher prices of hyacinths and tulips may account for this; but, as the greater falling off is in the demand for crocuses, which are not only good, but cheaper than usual, there must be some other reason, which is at present unknown. It is possible that the long delayed frosts, may, when they arrive, help to revive the business; if not, there will be a lot left on the dealer's hands.

The fine dry October has enabled the bulb growers to plant their beds for next year's supply, in the best possible condition. The prospects for next year are better than for several years past.

Although the expert appointed by the growers to discover some means of eradicating the destructive "yellow" disease, has only thus far been able to report upon the characteristics of the disease itself, the persistent removal of the decayed leaves by the growers themselves has in a great measure checked its ravages, and as a result the planting stock is better developed, and more healthy than it has been since the disease first made its appearance. The outlook, therefore, is of a very hopeful character.

Hyacinths have been planted largely, but some of the staple red varieties, such as Gertrude, will be scarce for another year or two. Whites will, of course, not be overabundant for the next two years.

In tulips, the scarcity of scarlet and brilliant red varieties will, in part, continue; rose and pink sorts will still remain overabundant. Yellows promise to be in fair supply, but of the more popular varieties there will not be any surplus.

Narcissi are grown in so many places that no scarcity need be anticipated. If it were possible to get rid of the "rot," some of the new large-flowered varieties might soon find their way into the dealers' hands.

Crocuses are not likely to be much higher in price. They are an outside article anyway, and almost beneath the notice of the regular growers.

EUROPEAN SEEDS.

BRIEFS FOR BUSY FLORISTS.

ORANGE TREES AND ARDISIAS.—As the fruit on the oranges and the ardisias begins to show color, no efforts should be spared to keep the foliage perfectly clean without injuring the fruit. Syringing may be done when the weather is bright, but, on dull, cloudy days, this work had best be omitted. Ventilate at every opportunity, and avoid leaving the house moist over night after the fruit begins to color.

MIGNONETTE.—To have good spikes for the Winter it is necessary to disbud, that is, to remove all the lateral buds that form along the whole length of the flower stem. The soil in the bed should never be allowed to get very dry. Lime should be used frequently, sprinkling it on the surface of the soil. A night temperature, ranging from 45 to 48 degrees, suits mignonette admirably—anything higher will result in weak, spindly growth.

EASTER LILIES—Perhaps if greater care were bestowed upon the greenhouse culture of the Harrisii bulbs we should hear less of the disease that annually is held responsible for a goodly portion of the bulbs proving worthless. There are growers who, when the bulbs arrive, pot them up in any soil that happens to be handy, placing the pots on a wet bottom under a greenhouse bench, and then covering them with fresh litter from the stable. When this material is watered a rank smell of ammonia proceeds from it; the pots being on a wet bottom, cannot dry out; the bulbs are thus kept in a sodden, stinking condition; and, should the lilies not thrive, the fault is blamed on the disease. Given a dry place, with one good watering to settle the soil, and a covering of paper, or some clean material, the bulbs will always start more satisfactorily. When they have reached the stage when they may be placed on the greenhouse bench (where they should be at this time), see that none of the holes in the bottoms of the pots is clogged up, as it is imperative that the water should pass away freely, after each watering. The prevailing idea among some growers, that lilies need to be soaking wet all the time, is altogether wrong.

Longiflorum lilies when brought on to the benches need not have a very warm house for some time yet. A night temperature of 55 degrees will be sufficient for them. By the middle of December, 60 degrees should be afforded, maintaining the same temperature right through till flowering time.

Hartford, Conn.

A meeting of about ten or twelve florists was held in John Coombs's office, Monday evening, November 12. The first steps toward forming a florists' club were taken. Another meeting will be held in December. The movement began in consequence of the support given by florists to the recent sound money parade.



(235) **Dahlias from Cuttings.**—A. F.—Start the dahlia tubers in heat at the beginning of January and make cuttings of the young shoots as soon as they are large enough. They root as easily as do coleus, or any other soft-wooded plants.

(236) **Geraniums from Seed.**—All conditions being favorable, it takes from four to six months to raise geraniums from seed and get them in 4-inch pots and in flower. Much will depend upon the habit of the variety. Some are more rapid in growth and freer bloomers than others. W. H. MUNGER & Co.

(237) **Chrysanthemum Mrs. Robinson coming with weak neck.**—What causes chrysanthemum Mrs Robinson to have weak neck, or stem? The chrysanthemums were planted in with my violets in good soil, manure and bone. I did not feed them one drop of liquid manure, and I think that may have caused the trouble. I had fine, big blooms, but the stems were weak. The flowers were all from crown buds. Is hen manure good for liquid with which to feed chrysanthemums; also, is it good to use in violet houses? How much should be afforded and how often applied?—A. B. C.

—Weak stems can result from so many different causes that it would be impossible for us to tell why the stems were weak in this particular case unless we had fuller information as to how the plants had been grown. Seeing that the blooms were of good size, it does not appear as though the trouble arose from the plants not being fed with liquid manure.

Hen manure makes a good liquid solution, but it must be used with great care, and given only occasionally, say once in two weeks. The quantity to apply should not exceed five pounds to 50 gallons of water.

A Western Establishment.

Among the many enterprising and energetic Western florists may be mentioned the name of James C. Murray, of Peoria, Ill. His large and well regulated plant consists of 12 greenhouses, containing over 35,000 square feet. Within the last two years he has added five new houses, each 100 x 25 feet, three of which are entirely devoted to growing American Beauty roses. The plants are of very vigorous growth, and must a little later turn in the shekels in good order. Mr. Murray is also very successful with the rose Souv. de Wootton. This variety is not grown so extensively now, but here it seems to luxuriate, for the stock is extremely healthy and is full of buds, showing good size and color. A large portion of this stock has been carried over for two and three years, and from the excellent growth observed the plants will well repay the trust reposed in them.

Among the carnations, all of which are the picture of health, may be mentioned Genevieve Lord, Pern, The Marquis, Annie Enstburne, Daybreak and G. H. Crane. There is also a fine lot of miscellaneous well grown stock, such as poinsettias, palms, and other decorative plants, all in good healthy condition, and ready to meet the steady and increasing demand therefor.

The nursery grounds are replete with well grown shade and ornamental trees and shrubs, and hardy roses, among which may be mentioned a fine lot of Crimson Rambler. The establishment in general reflects great credit upon the foreman, Joseph Reeves, and his staff of assistants.

Mr. Murray has added to his business a full line of seeds, both for the farm and garden. For this department he has secured the services of Mr. Cox, of Boston, Mass., who has had a very wide experience in this line. ADVANCER.

Greenhouses Wrecked by Snow.

A snow storm which visited Watertown, N. Y., last week, wrecked the greenhouses of W. H. S. Keele, causing damage to the extent of from $1,500 to $2,000.

Greene & Underhill report that they suffered some little damage by reason of glass being broken in the roofs of their greenhouses.

CLEMATIS

Paniculata.

2 and 3 years old.

	Per 10	Per 100	Per 1000
No. 1	$1.00	$7.00	$65.00
X size	1.25	9.00	75.00
XX "	1.75	13.00	125.00
Fine pot plants,	.50	3.50	30.00

Hydrangea, P. G.

3 to 4 ft. . $1.50 per 10; $10.00 per 100.
3 to 4 " XX, 1.80 per 10; 15.00 per 100.

Send us your order now for Spring.

ELIZABETH NURSERY COMPANY,
ELIZABETH, N. J.
Mention the Florists' Exchange when writing.

OCTOBER PURPLE PLUM!

The best of all Burbank Plums. We have a large and fine stock of trees, one or two year's old on Plum and Peach stock. Address

STEPHEN HOYT'S SONS, New Canaan, Conn.
Mention the Florists' Exchange when writing.

PANSIES

The Jennings Strain.

My 1900 strain cannot be excelled; plants, finest mixture, 60c. per 100, by mail; $4.00 per 1000, by express. Seed $1 per pkge.; $5 per oz. Cash with order.

E. B. JENNINGS, Lock Box 254. **Southport, Conn.**
Grower of the finest Pansies
Mention the Florists' Exchange when writing.

PANSY PLANTS

Giant, fine mixed, very strong, per 1000, $3.00.

Orders not solicited for less than 500. Special prices on 10,000 or more, buyer to pay express charges. Cash must accompany order.

JOHN LAPPE, - Maspeth, L. I.
The Largest Pansy Grower in America.
Mention the Florists' Exchange when writing.

A NOVELTY IN PANSIES.

Pansy growers who fail to include the giant flowered **Mme. Perret** in their collections will not be "in it" next Spring. Gorgeous colorings and extra large flowers. Can be seen in bloom at my place now. Oz., $4.00; large trade pkt., 25c. Small sample free on application. All other varieties at lowest price.

BEAULIEU, Walker and Belmont Aves. **Woodhaven, N. Y.**
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Pansies Worth Raising

Again I can furnish, for immediate delivery, about **10,000 good PANSY PLANTS.**
Price, $4.00 per 1000, f. o. b. express here.
Cash with order.

CHR. SOLTAU, 199 Grant Avenue, **Jersey City, N. J.**
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FRANCIS BRILL

SPECIALIST IN

CABBAGE and CAULIFLOWER SEED

HEMPSTEAD, LONG ISLAND, N. Y.
Mention the Florists' Exchange when writing.

CALLA BULBS!

1⅝ to 2 ins. diam..... $5.00 per 100.
1 to 1¼ " " ..... 2.00 " " 15.00 per 1000.
¾ in. diam ..... 1.00 " " 8.00 " "
2½ to 3 ins. long (strong sets).....$4.00 per 1000
1½ to 2 " " " " ..... 3.00 " "

SMILAX ROOTS. (At all Seasons.)
2½ to 3 ins. diam., $3.00 per 100; $28.00 per 1000, by freight
1½ to 2 " " 2.00 " " 16.00 " " "
2½ in. pots..... 1.00 " " 8.00 " " postpaid.
Strong Seedlings, 0.75 " " 3.50 " " "

AMARYLLIS FORMOSISSIMA.
7 ins. circum., $3.50 per 100; 5 ins. circum., $2.00 per 100
(100 largest size weigh 40 lbs.)

VIOLETS PRINCESS OF WALES.
$1.00 per 100; $8.00 per 1000.

THEODOSIA B. SHEPHERD, Ventura-by-the-Sea, Cal.
Mention the Florists' Exchange when writing.

MANETTI FOR GRAFTING

150,000 from France; 30,000 from England
PRICES UPON APPLICATION.
Crimson, Yellow, White and Pink Ramblers; Mngna Charter, Ulrich Brunner, Paul Neyron.
HARDY NURSERY STOCK.

HIRAM T. JONES, Union County Nurseries, **Elizabeth, N. J.**

PRIVET

	100	1000
2 to 2½ feet	$1.25	$19 00
18 to 24 inch	1.75	14.00
12 to 18 inch	1.50	9.00

5 feet high, for hedges, $7.00 per 100.
Choice Plants. Packing Free.
Contracts made for Privet cuttings.
Atlantic Coast Nurseries, Office, 606 4th Ave., ASBURY PARK, N. J.
JAMES H. CORNELL, Proprietor.
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HARDY PLANTS!

For a nice, even, heavy border along driveways, try the **FUNKIA LANCEÆFOLIA.** Its numerous glossy green leaves and spikes of lily-like flowers in September, make it one of the best. Price, $2.00 per 100; $15.00 per 1000. Mint, fine for bouquets 10 for 50 cts.; $4.00 per 100. Heleniun A Superbum, Phlox, Columbine, Coreopsis, Lemon Lily, Iris, each kind, 10 for 50 cts.; $4.00 per 100. Pansies, $3 50 per 1000.
Cash with orders please.
W. C. JENNISON, Natick, Mass.
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CALIFORNIA PRIVET!

A FEW HUNDRED, 2 YEAR.

4 to 5 feet, very heavy, at.....$5.00 per 100
3 to 4 feet, very heavy, at..... 4 00 per 100
2 to 3 feet, very heavy, at..... 3.00 per 100

A LARGE STOCK OF ONE YEAR OLD:

	Per 100	1000
12 to 15 inches, two or more branches	$1 50	$10 00
15 to 20 inches, three or more branches	1 75	12 00
18 to 24 inches, good	2 00	15 00
20 to 30 inches	3 00	20 00

All No. 1 stock, well packed.
Also extra strong **Meech's Orange** and **Rea's Mammoth Quince; 10.000 Moore's Early** and **10.000 Concord Grapes,** extra nice, 1 year. Order soon if wanted. Prices on application.
CHAS. BLACK, Hightstown, N. J.
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CALIFORNIA PRIVET

2 years, 18 to 24 inches, $2.00 per 100; $17.00 per 1000.
1 year, 15 to 18 inches, $10.00 per 1000.
M. F. TIGER, Patchogue, L. I., N.Y.
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Hollandia Nurseries, - BOSKOOP, HOLLAND.

Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Pæonies, Pot-grown plants for forcing, Rhododendrons, H. P. Roses, etc.
No Agents. Catalogue free on demand. No Agents
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PYRAMIDAL ARBOR-VITAE

Splendid stock for Florists! twice transplanted and bushy from bottom up.
1-2 feet at $1 50 per 10. $12.00 per 100.
2-3 feet at 2 50 per 10. 17.50 per 100.
Send cash with orders, please.

VINCA MINOR AND MAJOR

Don't forget that we still are Headquarters.
$2.50 per 100 and $8.00 per 1000
for nice field-grown clumps.
Write for our catalogues.
PINEHURST NURSERIES,
OTTO KATZENSTEIN, Mgr. **Pinehurst, N. C.**
Mention the Florists' Exchange when writing.

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SPRINGFIELD, NEW JERSEY.
Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.
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BABY CHRISTMAS TREES

Nursery-grown, well furnished

NORWAY SPRUCE

3 to 4 feet.....$25 00 per 100
4 to 5 feet..... 35.00 "
5 to 5½ feet..... 40.00 "

Baled, F. O. B., in lots of fifty or a hundred.
THE WM. H. MOON CO., Glenwood Nurseries, **MORRISVILLE, PA.**

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Red and Pin Oaks, 10 to 14 feet
Hemlocks, 4 to 6 feet

TRANSPLANTED SPECIMEN TREES.
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Fruit Trees, Small Fruits, including grapes, **Ornamental Trees, Evergreens** and **Shrubs** for public and private grounds. **Shade Trees** for streets. **Hardy Roses, Hardy Plants, Climbers,** etc. Our new beautifully illustrated catalogue, replete with practical hints for planters, free to regular customers; to others for 10c.
ELLWANGER & BARRY, Mt. HOPE NURSERIES, 61st year. **Rochester, N. Y.**

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NOW IS THE TIME TO ORDER IF YOU WANT FINE PLANTS.

CRIMSON RAMBLERS, H. P. ROSES,
CLEMATIS, in the best vars., **PÆONIA SINENSIS,**
BOX TREES, (Pyramids) **SPIRÆAS** in all varieties.

Also a Full Line of **DUTCH, JAPAN** and **CHINESE BULBS** on hand.
Prices cheerfully given.
F. W. O. SCHMITZ, Jersey City, New Jersey.
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Fancy leaved, 40 named sorts.

Dry bulbs, 1½ to 2½ in., at $10.00 per 100; $90.00 per 1000
" " 1 to 1½ " 8.00 " 70.00 "

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Best sorts, grafted on Citrus Trifoliata.
Beautiful plants, bushy, 15-18 in., $30.00 per 100

PHOENIX CANARIENSIS AND TENUIS

Very Stocky.

3-4 characterized leaves, 15-18 in., $15.00 per 100
4-5 " " 20-24 " 25.00 "
5-6 " " 24-30 " 60.00 "

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Very Stocky, 3-4 characterized leaves, 15-18 in., $25.00 per 100.

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4-5 characterized leaves, 18-20 in., $25.00 per 100

BIOTA AUREA NANA

Best dwarf Biota, 12-15 in., $12.00 per 100

Not less than 50 at above rates.
Send for Price List.
P. J. BERCKMANS CO., Augusta, Ga.
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Gardenia florida, strong and stocky, 6 to 8 ins., $3.00 per 100; $25.00 per 1000; 3 to 6 ins., $2.00 per 100; $15.00 per 1000.

CALIFORNIA PRIVET,
2 to 3 ft., well-branched, $2.00 per 100; 1½ to 2 ft., $1.50 per 100; unrooted cuttings, $1.00 per 1000.
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Fine, large plants, $10.00 per 100.
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Shrubs, Vines and Roses

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NATIVE RHODODENDRON

RHODODENDRON MAXIMUM, fine shapely plants, with good balls, in sizes ranging from 12 inches up to 5 feet high, foliage to the ground and well branched. Every plant a specimen.
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Seed and Bulb Growers,
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Orchid-Flowered, Crozy's and Others.
Largest Collection of the Finest Sorts.
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RHOOODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM,
PÆONIES, BLEEDING HEART,
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.

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Special Offer of
HARDY SHRUBS.

All clean, thrifty, young stock for immediate planting.

	Height.	Per 100
Aralia Spinosa	2½ to 3 ft.,	$10 00
Amorpha Fruticosa	2 " 2½ "	6 00
Aralia Pentaphylla	1½ " 2 "	12 00
Baccharis Halimifolia	3 "	6 00
Berberis Thunbergii	2 "	10 00
Cornus Mascula Variegata	3 "	25 00
Cornus Mascula	2½ " 3 "	6 00
" Sertora	3 " 3½ "	6 00
" Sanguinea	1½ " 2 "	6 00
Colntea Arborescens	3 "	6 00
Chionanthus Virginica	1½ "	6 00
Calycanthus Floridus	1½ " 2 "	8 00
Corchorus Japonica, fl. pl.	2½ "	6 00
Corchorus Japonica Variegata	1 "	6 00
Chamæcerasus–		
Grandiflora Rosea	1½ "	6 00
Fragrantissima	1½ "	6 00
Flore Plena	2 "	6 00
Tatarica	2½ "	6 00
Cotoneaster Horizontalis	1 " 2 "	8 00
" Thymæfolia	1 " 2 "	6 00
" Simonsi	1 " 2 "	6 00
" Nepalensis	1 " 2 "	8 00
Desmodium Penduliflorum	2½ "	12 00
DEUTZIAS–		
Crenata Rosea	2 " 2½ "	6 00
Candidissima	2 " 2½ "	6 00
Scabra	2 " 2½ "	6 00
Pride of Rochester	2 " 2½ "	6 00
Gracilis, 3 year old, fine forcing		6 00
Gracilis Rosea, 1 year old, fine for forcing		15 00
Gracilis Lemoinei, 1 year old, fine for forcing		6 00
Gracilis Lemoinei, 2 year old, fine for forcing		10 00
Enonymus Europeus	3 "	6 00
Eleagnus Longipes	2½ "	10 00
Exochorda Grandiflora	2 "	10 00
Forsythia Suspensa	3 "	6 00
" Viridissima	3 "	6 00
Hydrangea Paniculata Grandiflora	2 "	10 00
Leapedeza Bicolor	4 "	8 00
PHILADELPHUS–		
Coronarius	2 "	6 00
" fl. pl.	2 "	6 00
Grandiflorus	2 " 2½ "	6 00
Rosea fl. pl.	2 "	8 00
Gerbe de Neige	2 "	12 00
Boule d'Argent	2 "	12 00
Rhus Cotinus	2 " 2½ "	6 00
Sambucus Aurea	3 " 3½ "	10 00
Symphoricarpus Fructo Ruhra	2½ "	6 00
Symphoricarpus Fructo Alba	2½ "	6 00
Staphylea Colchica	2½ "	15 00
SPIRÆAS–		
Billiardi Rosea	3 "	6 00
" Alba	2 "	6 00
Van Houttei	2½ " 3 "	6 00
Prunifolia, fl. pl.	2 "	6 00
Reevesi	2 " 2½ "	6 00
Callosa Alba	1 "	6 00
Anthony Waterer, 1 year old		6 00
WEIGELAS–		
Nana Variegata	2 "	10 00
Coccinea	2 " 2½ "	8 00
Candida	2½ " 3 "	8 00
Amabilis	2 "	8 00
Eva Rathke	2 " 2½ "	25 00

Prices noted are f. o. b. cars. No charge for boxes or packing.
HENRY A. DREER, Philadelphia, Pa.
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Norway and Sugar Maple and Siberian Arbor Vitæ.
WM. J. CHINNICK. - Trenton, N. J.

Grape Vines

Descriptive and Price List free.
Currants, Gooseberries and other Small Fruit Plants. Extra quality. Warranted true.
T. S. HUBBARD CO., FREDONIA, N. Y.

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Magnificent Strong Stock, with 4 to 7 branches.

Otaksa, Red-Branched, Thos. Hogg,

Price, $10.00 per 100; $85.00 per 1000.

Send for our wholesale Price List of Roses, Clematis, Shrubs, Trees, etc., etc.
Letters to our representative, **Mr. J. Austin Shaw,** until further notice, may be sent to 271 Broadway, New York City.
JACKSON & PERKINS CO., Newark, New York
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BERMUDA LONCIFLORUM, 5-7, **each 2 cts.** in lots of 1000, per case 400, $9.00; 7-9, per case 200, $6.00; 9-10, (Japan), per 100, $8.00. **HARRISII,** 9-11, per 100, $18.00; 7-9, per 200, $16.00; 5-7, per 400, $12.00. **CHINESE NARCISSUS,** per mat, 120 bulbs, $4.75; per 1000, $35.00. **DOUBLE NARCISSUS, Von Sion,** first size, per 1000, $10.00; second size, per 1000, $9.00. **Cash with Order.**

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NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN.

THEODORE J. SMITA, Geneva, N. Y., President; N. W. HALE, Knoxville, Tenn., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

Easton, Minn.—James Stroman will enter the nursery business here.

Albuquerque, N. M.—Col. Parker Earle has lost his talented son, Charles Tracey Earle, who died recently at Ocean Grove, Miss., of typhoid fever.

Sac and Fox, Ok.—John Walters, a farmer living south of here, on Deep Fork, has a grove of persimmon trees that bear fruit entirely seedless and of an unusual flavor.—*Dallas News.*

Independence, Ia.—The pumpkin seed industry has reached considerable proportions here, and indications are that it will develop still further.

The old Kieffer nursery, at Roxborough, Philadelphia, made famous as being the birthplace of the Kieffer pear, is not a thing of the past. Since the death of the father, Peter Kieffer, the son has not kept up the business, but has given attention to truck farming. The elder Kieffer was a Frenchman, and from his relatives in the old world used to receive many new plants, some of which were introduced first by him. Whether his being French instead of German, as many suppose, made the difference, I do not know, but his pronounciation of his own name was "Ki-fer" and not "Kee-fer," hence the pear which he raised and which is named after him is the Ki-fer pear. Away from Philadelphia, one always hears "Kee-fer."

Wistarias.—The Chinese wistaria is the most beautiful of all the species, but it cannot always be used for porches or similar structures, because of its very strong growth. In this respect our native variety, W. frutescens, and the hybrid one, W. magnifica, are much superior. But there are none making the display at flowering time that the Chinese wistaria does. This is the W. sinensis, and besides the normal color—purplish white—there is a white one, and also a double white. When the Japanese species, W. multijuga, was introduced, much was expected from it, as it was announced as producing racemes two feet in length. This it does, but the flowers are much more scattered, and make really less display than the Chinese, with its shorter racemes and flowers much closer together. Still W. multijuga is an admirable sort, and all might not agree that the Chinese variety is the better one. As with the latter, W. multijuga has varieties; one, a pure white, is well known in commerce. The two species, and their varieties above named, flower about the middle of May in the Northern States; when they are about over, the American and W. magnifica commence. That this difference in the time of flowering exists is well to remember. There is a wide difference in the appearance of the Asiatic and the American and W. magnifica. The latter sorts are much more vine-like in growth, and not so heavily wooded. The racemes of flowers are shorter and more numerous in proportion to growth. The Chinese, W. sinensis, can readily be transformed from vine to shrub, by tying it to a stout stake for a few years. As soon as the tied shoot becomes stout enough to stand by itself, which it will do in two or three years, the change is accomplished. In this shape, lovely lawn specimens are formed. Nurserymen or florists with a home trade find a good demand for wistarias in pots; so many admire them when in flower and becomes anxious to possess one at once. Old vines of wistarias usually seed freely. These seeds sown in April outdoors will readily germinate, and in this way a supply of plants can be had.

Manuring in the Hill.—In the preparation of a plot of ground for the planting of trees or shrubs, it will be found better for the trees to place manure directly in the trenches, or holes, than to scatter it promiscuously over the ground. Nursery trees are not supposed to remain in one place long—no more than two or three years—and manure placed where the roots can reach it quickly inures to their advantage. Where large numbers are to be planted, long trenches are opened, and, when to their proper depth, manure is scattered along the bottom, and the trees set on it; the soil is then thrown in and stamped in well about the roots. Just as soon as fibres are formed they find this manure, and for that year and the succeeding one, the growth is good, and much better than when manure is scattered broadcast.

Where both systems have been tried, the one which calls for manure in the row is given preference in the end. The feeding of trees pays as well as anything a nurseryman can do. The trees are salable in much less time; they are vigorous and will endure removal better than starved trees. It is the experience of all planters that a tree in poor condition is less apt to do well than one that has been well fed.

The Holly.—Because of the beauty of the holly when in berry, and the many associations connected with it, it is a bush desired by everyone who has a garden, yet how very few places can boast of one! That so many grounds are without a specimen, is not that their owners do not plant one, but because they fail to make it live. The holly is naturally hard to transplant. To do it in the ordinary way in which a tree is moved, usually results in a loss. Nursery raised specimens are the best, as having more roots, but wildings can be made to live by pruning them severely. Whether wild or cultivated, the secret of success is to give the plants a good pruning, and cut off every leaf. Taking off every leaf is very important; there is not then nearly the demand on the roots. Instead of hollies being hard to transplant, but few fail to grow when so treated. Besides ensuring the growth, the pruning makes a more bushy specimen of what may have been a spindling one. It is not well known that all holly bushes do not bear berries. Some bear male flowers only, some female, and others, perfect ones; therefore, to be sure of having a fruit bearing kind, one must be selected which has already borne berries. As many plants bear berries when but three feet high, it is not difficult to transplant a berry-bearing specimen. The English holly, Ilex aquifolia, has brighter green foliage than our native one, and were it hardy enough to stand the cold of our northern states, it would be by far the more desirable. As it is, it is not nearly as tender as many suppose. It is hardy enough about Philadelphia, though from a common belief that it is not, it is seldom seen. Occasionally a fine specimen is met with. Both Woodland and Laurel Hill Cemeteries had fine ones a few years ago, and probably have to-day. The glossy foliage of this species adds greatly to its worth. Within a few years past a new hardy holly has appeared, Ilex crenata, from Japan. This variety has quite small, myrtle-like foliage, grows quickly, and seems in every way desirable. So far, I have not seen it fruit. It is to be hoped its berries are pretty, as this would make it a doubly valuable addition to our broad-leaved evergreens.

Hawthorns.—It is not uncommon to hear it remarked that hawthorns will not thrive in this country. It is the experience of those who have had these shrubs under their charge that it is a mistake to suppose there is any difficulty in growing these plants. The hawthorn is not a rapid grower anywhere, and appears to grow as quickly here as elsewhere, and quite satisfactorily when in good soil. The memories clustered about the hawthorn, the praises poets have sung of it, together with the beauty of all the sorts, call for a proper understanding concerning its availability for ornamental planting. The English hawthorn, Cratægus oxyacantha, exists in pink, scarlet, and rose-colored sorts, as well as in double forms of nearly the same colors, besides the common one itself. While flourishing in any ordinary situation, these bushes seem most at home when near a dwelling, or some object which affords them partial shade and coolness. There is an enemy of the hawthorn, of which mention should be made, that it may be watched for, to prevent injury from its attacks. This is the hawthorn borer, as great a pest in its way, as is the apple tree borer. If not prevented it will girdle a stem quickly. There is no better way than to make a memorandum concerning it, in one's calendar book, and twice a year, in June and September, examine the bushes for the borer. Washes and other things are often recommended to keep away borers, but, as in the case of fruit trees, an examination, such as recommended, is as good a way as any to preserve trees and bushes. One must not think that the hawthorns already mentioned comprise the list. While our native sorts have not been improved, or varieties of them discovered, as they exist in their primitive forms, many of them are most desirable. The C. coccinea, with its early clusters of large white flowers, followed by haws as large as small crab apples. C. crus-galli, with its foliage of lustrous green; C. cordata, with its late flowers, and lovely clusters of small scarlet berries; C. æstivalis, the fruit of which is so large that in the South it is used for marmalade; and many others, make up a list of native sorts, some of which should appear in all collections of large shrubs.

JOSEPH MEEHAN.

Parties who have no New York office and who contemplate arranging for one should correspond with Robert G. Perry, No. 271 Broadway, New York City, N. Y. The office is in a modern fire-proof building and has every improvement, including long-distance telephone in outer office. The location is a superb one, being centrally located near Brooklyn Bridge and only a few blocks from Jersey City ferries; it is on the boundary between the uptown and downtown business districts.—*Adv.*

IF YOU NEED ROSES
Send us your list for prices.
THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.
Mention the Florists' Exchange when writing.

Rooted Cuttings
—OF—
ROSES and CARNATIONS
of all leading varieties. Orders booked now for delivery about December 10th.
GEORGE REINBERG,
51 Wabash Ave., CHICAGO, ILL.
Mention the Florists' Exchange when writing.

ROSES
Perle, Sunset, Brides, Golden Gate, Bridesmaid, Maid of Honor, Bon Silene, Mermet
Strong clean plants, from 3 inch pots, $5 per 100; $40 per 1000.

Strong, Field-grown **CARNATIONS** Healthy Stock
America, Gen. Maceo.
1st size, $8.00 per 100; $70.00 per 1000
2d size, $6.00 per 100; $50.00 per 1000
Melba, Genl. Gomez, Armazindy.
1st size, $7.00 per 100; $60.00 per 1000
2d size, $5.00 per 100; $45.00 per 1000
Firefly, Psyche, Sea Shell, Victor.
1st size, $5.00 per 100; $40.00 per 1000
2d size, $4.00 per 100; $35.00 per 1000
SMILAX strong plants, from 2½ in. pots, $2.50 per 100; $18.00 per 1000.
TRADE LIST ON APPLICATION.
WOOD BROS., Fishkill, N. Y.
Mention the Florists' Exchange when writing.

ROSES
First-class. Heavy field grown. Own roots. Empress of China, Wichuraiana, Pink Rambler, Manda's Hybrids (4 varieties), $50.00 per 1000; $7.50 per 100. Be quick if you want any between now and Spring
HOWLAND NURSERY CO., Los Angeles, Cal.
Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS...
and Novelties in Decorative Plants.
Market and 49th Sts., PHILADELPHIA, PA.
Mention the Florists' Exchange when writing.

ROSES
Strong, field-grown plants of **White** and **Pink Maman Cochet,** at $10.00 per 100. The finest roses ever introduced for summer blooming.
HARDY ENGLISH IVY
Strong plants, grown in 4 in. pots, 3 to 4 feet long, $10.00 per 100.
I. H. MOSS,
GOVANSTOWN, - BALTIMORE, MD.
Mention the Florists' Exchange when writing.

Fine Roses $2.50 per 100 $20.00 per 1000
FROM 2 1-2 INCH POTS.

Bride.
Christine de Noue.
Crimson Rambler.
Pink Rambler.
Coquette de Lyon.
Golden Gate.
Duchess de Brabant.
Climbing Bridesmaid.
Universal Favorite.
Bridesmaid.
Yellow Soupert.
Yellow Rambler.
Golden Rambler.
Maman Cochet.
Mary Washington.
Mrs. DeGraw.
Agrippina.
Reine Marie Henriette.
Etoile de Lyon.
Clothilde Soupert.
White Rambler.
Mme. F. Kruger.
White Maman Cochet.
Empress of China.
Climb. Marie Guillot.
Marie Van Houtte.
Princess Sagan.
M. Niel.
Hermosa.

Following, $3.00 per 100; $25.00 per 1000.

Gruss an Teplitz. Perles. Sunset. Pres. Carnot.
Kaiserin A. Victoria. Pink La France. White La France.

Many other Varieties. Also some roses from 3½ and 4 inch pots.

THE NATIONAL PLANT CO., DAYTON, OHIO.
Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent, also Second-hand Materials.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED.

MAN, 25, wishes situation, general greenhouse work or driver. Henry Bauer, 285 East 10th St., New York.

GINSENG.—Situation wanted as manager of ginseng gardens; willing to take share in stock. Addr ss B. D., care Florists' Exchange.

SEEDSMAN—Reliable, six years' experience, wants situation in warehouse, to take charge or fill orders. B. F., care Florists' Exchange.

WANTED—Position by sober, industrious man, age 32, experience in cut flowers and plants. Address W. Yearsley, General Delivery, Troy, N.Y.

YOUNG married man wishes position in New York or Brooklyn as designer and decorator; life experience. A. Minder, 76 Chadwick ave., Newark, N. J.

GERMAN, 31, single, 17 years' experience in bedding stock, roses, carnations; all-around man, able to take charge, wants situation. B. H., care Florists' Exchange.

FLORIST—First-class maker-up and decorator, wants position in city florists' store, commercial place; best references. Pearson, 1892 Second Ave., New York.

SITUATION wanted as foreman on commercial place, where palms, ferns, Easter stock, etc., are grown, by January 15th; best references. B. E., care Florists' Exchange.

WANTED a situation as florist or gardener, grower of roses, 'mums, carnations, violets and general stock; married, no children; state wages and full particulars in first letter. Address O. K. Oakbrook, Barksdale Co., Pa.

SITUATION wanted by first-class manager and propagator; married; 17 years' experience in propagating roses, ornamental shrubs (hard and soft wood cuttings), palms, ferns, etc.; present place large retail catalogue establishment; best of reference. Address A. Lange, Marietta, N. Y.

SITUATION wanted as foreman by an up-to-date grower of roses and cut flowers in general; life experience and a good manager of men; have had previous experience in similar capacity; character, habits and ability efficient for a commercial place. Address B. K., care of Florists' Exchange.

SITUATION wanted by married man, 28, Swiss, with 14 years' experience in growing roses, carnations, 'mums, palms, ferns and general stock; fully competent to take charge of place or section of houses; 2½ years with present employer; New York or vicinity preferred. Address B. J., care Florists' Exchange.

HELP WANTED.

WANTED-Florist and gardener, must be absolutely sober, and understand hot house and furnace. State wages expected, experience and references. Apply J. H. Kirby, Houston, Texas.

WANTED—An assistant in our greenhouses; must be well up to the growing of plants and cut flowers, and be able to furnish first-class reference. State salary expected. Texas Seed & Floral Co., Dallas, Texas.

PARTNER WANTED WITH $5,000 to buy an interest and take the management of either the greenhouses or seed department of the largest seed and floral establishment in the South. For a bright, active man who is well up in the business, this is a rare opportunity to get an interest in a well-established business. Salary, $100 per month. Do not answer unless you mean business. For particulars apply to B. E., care of Florists' Exchange.

Mention the Florists' Exchange when writing.

HELP WANTED.

WANTED—Warehouseman for retail seed house capable of filling orders, receiving and caring for stock, etc. Address A. R., Seeds, care Florists' Exchange.

WANTED—A single young man, experienced in general greenhouse work; German preferred; state wages per month and board. R. Birk, Englewood, N. J.

MISCELLANEOUS WANTS.

WANTED—Second-hand refrigerator for cut flower store; 1,500 feet or less, 2-inch pipe. Quote lowest cash prices. Rose Hill Greenhouses, Columbia, S. C.

WANTED—Horizontal tubular steam boiler, in good condition, 40 to 60 horse-power; also 1,500 feet of 1-inch iron pipe; state lowest price for cash. H. & C., 318 Maple Avenue, Youngstown, Ohio.

WANTED.—100 EXTRA FINE MARIE Louise violet plants, also 100 Lady Hume Campbell. Must be extra good flowering crowns ready for forcing, healthy and perfectly free from disease. Will pay fancy price for extra good stock.

Address Barbour Flax Spinning Co., Paterson, N. J.

BUSINESS OPPORTUNITIES.

GREENHOUSES and office to rent, one 125x20; one 25x20; 14 city lots, 25x100; two-story dwelling house for two families; opposite main entrance to St. Michael's Cemetery; established 1888. W. H. Scheurer, 532 Flushing Ave., Astoria, L. I.

FOR SALE—Greenhouse property for $3200, worth $5000; established 14 years, the only florist near cemetery. 6 greenhouses, 8000 sq. ft. glass, in good order, stocked, heated by hot water; mushroom cellar. 20 miles from New York 2 minutes from station. Size of land, 295x270 ft. (24 valuable building lots). For particulars, address B. G., care Florists' Exchange.

FOR SALE—Greenhouse establishment of 40,000 feet of glass, 16 miles from Chicago, 25 trains a day on four railroads; houses built in 1894, heated by low-pressure steam, plant in perfect order; water supply from river; 5 houses of roses, 6 of carnations, 9 of miscellaneous stock, all in A1 condition. Thirteen acres fine land, or less if wanted, so located that side track can be put in cheaply. One and a half acres of pæonies, some evergreens and shrubs. Terms reasonable. Correspondence and inspection invited. Address A. B., care Edgar Sanders, 1639 Belmont Ave., Chicago, Ill.

GET BUSINESS by advertising in a business number of the business paper—Florists' Exchange Christmas Number, December 8.

POTTERY FOR SALE—A SACRAFICE—at Westside Ave., N. J., three miles from New York on C.R.R. of N.J. Especially adapted to making flower pots. Good local market and shipping facilities. C. Robotham, 1069 Broad St., Newark, N. J.

MISCELLANEOUS.

SPECIAL OFFER—Have on hand one thousand pasteboard mailing tubes, size 8x2½ in., closes at one end. Will sell to highest bidder in quantities to suit. Make an offer. Address A. H., care Florists' Exchange.

NOTICE!

Is herewith given that we have transferred our business from

Hollis, L. I., to ENGLEWOOD, N. J.

WILLIAM STUPPE.

Mention the Florists' Exchange when writing.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.

FOR SALE—GREENHOUSE PROPERTY IN THE thriving town of South Bethlehem, Pa.; population, 40,000. A plot, 50x200, on which are four houses, three 50x17 and one 23x50. Heating apparatus. This property will be sold cheap on easy terms, or rented. Immediate possession. No competition of any account. Trolley line passes the ground. Address M. H. BICKERT, 362 Gordon St., Allentown, Pa.

Mention the Florists' Exchange when writing.

BULBS AT YOUR OWN PRICE

I Will Sell to Parties Offering Highest Price per 100 or per Case:

100	Lilium Harrisii	9-11 in.	
600	" "	7-9 in.	
600	" "	5-7 in.	
200	Lil. Longifl., Bermuda	7-9 in.	
800	Lil. Longifl., Bermuda	5-7 in.	
200	Lil. Longifl., Japan	6-8 in.	
100	" "	9-10 in.	

OFFERS WILL BE OPENED MONDAY, DEC. 3.

BULBS ARE IN SOUND CONDITION. Some more or less root-started, owing to lateness of season. **TERMS CASH.** When orders cannot be filled money sent will at once be returned. **DUTCH BULBS,** Hyacinths, Crocus, Tulips and Von Sion Narcissus **offered at 10 Per Cent. Less than Trade Wholesale Prices.**

JUST RECEIVED Fine Lot of HOLLY TREES FULL OF BERRIES and Dark Green Foliage for **CHRISTMAS DECORATION.** Also **Fine Quality HOLLY** arriving.

DON'T DELAY. **C. H. JOOSTEN, Importer, 85 Dey Street, New York.**

Mention the Florists' Exchange when writing.

Detroit.

On Monday, November 19, thirty-five members of the Detroit Florists' Club went to Mt. Clemens to pay their annual visit to the florists of the "Bath City." The large establishment of Breitmeyer & Sons was first on the list, and the unanimous opinion of the visitors was that the condition of everything was far superior than at any previous visit, the chrysanthemums being especially fine. Some of Smith's new ones were in splendid form, notably Arline. Robt. Klagge's was the next stop, where the finest house of Daybreak carnations that it has ever been the writer's privilege to see was found. Violets grown in bottomless pots were also fine; but Mr. Klagge would not as yet say whether the growing in such pots was any advantage.

Jas. Taylor's and John E. Carey's plants were also found in the usual good condition. Each of these growers has added more glass this season, Mr. Cary having built a house for Beauty, but could not complete it in time to plant this year. After a wind-up at the Monsor bowling alleys the party came home, all well-pleased with the outing.

The club has arranged a program for all its meetings until June, and President Rackham has partially arranged with Professor L. R. Taft, of the Agricultural College, to give a lecture to the club in March. Several applications for membership are to be balloted on at the next meeting, so we are in a prosperous condition, so much so that we think we would like to have the Carnation Society come here in 1902, that is, if Messrs. May, Hill, Craig and Weber will let us have it. We will promise to keep the ladies out of the balconies at the banquet.

Oh, this Summer weather—60 degrees out-of-doors, at 9 p. m., November 20, and the florists are expected to pay their bills.

Mr. Rackham's oldest son, while out hunting, had the misfortune to have his middle toe shot off, through the carelessness of his comrade. RAG.

THE FLORISTS' EXCHANGE Christmas Number will come at the right time, December, 8th. Send your advt. at the right time—NOW.

CHEAP FOR CASH

400 Cailas Commencing to bloom.

200 Rubber Cuttings Unrooted.

ADDRESS

H. B. McKNIGHT, 339 Whiton Street, Jersey City, N. J.

Mention the Florists' Exchange when writing.

SMILAX

Ready to spring, large bushy plants, 2¼ inch, $1.50 per 100; $10.00 per 1000.

MIGNONETTE, Allen's Defiance, large plants, 2½ inch, $2.50 per 100.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

ASPARAGUS PLUMOSUS NANUS 2½ in., $5.00 per 100; $40.00 per 1000. 3 in., $7 per 100; $60 per 1000.

ASPARAGUS SPRENGERI, 2½ in., $3.50 per 100; $30.00 per 1000. 3 in. $5.00 per 100; $40.00 per 1000.

FERN, PTERIS TREMULA, 2½ in., $2.50 per 100; $20.00 per 1000. 3 in., $4.50 per 100; $40.00 per 1000. Terms, cash. Address

S. ALFRED BAUR, Erie, Pa.
Successor to HENRY NIEMEYER.

Mention the Florists' Exchange when writing.

FIELD-GROWN DRACÆNAS

24 to 28 inches high, fine strong plants, $1.25 per doz.; $10.00 per 100.

175 SMILAX Extra fine, 2½ inch, at 2 cts.

S. S. PECKHAM, New Bedford, Mass.

Mention the Florists' Exchange when writing.

IMMORTELLES Very Scarce This Year.

RED $3.00 per dozen bunches; $25.00 per 100; case containing 125 bunches, $30.00. **White** and **Blue** same prices.

Yellow, $2.50 per dozen bunches; $20.00 per 100.

H. A. BUNYARD, 38 West 28th St., New York.

Mention the Florists' Exchange when writing.

AZALEA INDICA

Varieties: **Mme. Van der Cruyssen, B. A. Alba, Simon Mardner, Vervæneana, Empress of India, Emperor of Brazil, Prof. Walters, Niobe, Dentsche Perle, etc.**

	Doz.	100	1000
8-10 inches diameter	$3.50	$27.50	$250.00
9-11 " "	4.00	30.00	285.00
10-12 " "	4.50	35.00	325.00
12-14 " "	$6.00	$42.50	$400.00
14-16 " "	7.00	55.00	525.00
16-18 " "	12.00	90.00	

Large plants, $1.25, $1.50, $2.00, $3.00 each.

POT-GROWN LILACS Extra fine, Chas. X, Marie Leyroy, $45.00 per 100, and $6.00 per doz.

SPIRÆA

Japonica	per 100, $3.50
Compacta	" 4.00
Astilboide Floribunda	" 4.00
Plumosa Alba	" 15.00

DIELYTRA Spectabilis, Bleeding Heart, $6.00 per 100.

PÆONIA

	Per 100
Officinalis, rubro pleno	$8.00
" albo pleno	20.00
Tenuifolia, fl. pl.	18.00

RHODODENDRON For forcing, 50c., 75c., $1.25 to $2 a 100.

MONTHLY ROSES Hermosa, field-grown, $10.00 per 100

CLOTHILDE SOUPERT (strong), field-grown, $12 a 100

AGRIPPINA (strong), field-grown, $10.00 per 100.

H. P. in leading varieties, strong, $10 a 100.

CRIMSON RAMBLER First size, extra strong, $20 a 100. Second size, $15.00 per 100.

HYDRANGEA Otaksa, 4-6 shoots, $12.00 per 100.

BUXUS in Pyramidal form, $1.50, $2.00, $2.50, up to $10.00 each.

Standard form, $1.50, $2, $2.50, up to $10 ea.

BOBBINK & ATKINS, Rutherford, N. J.

Mention the Florists' Exchange when writing.

SATURDAY, DECEMBER 8, 1900

Just before the holidays is a season of the year when the trade are **keen to buy,** because they realize their investment will be returned to them with a liberal profit in very quick time. Appreciating this fact the publishers of THE FLORISTS' EXCHANGE have decided to issue on the above date a :: :: :: :: :: ::

GRAND CHRISTMAS NUMBER

Copies of which will be mailed, covering the entire horticultural trades of the United States and Canada. There has not been this year an opportunity equalling this for advertisers to inform their customers, old and new, of what they have to offer, and the **date is so timely** as to **insure immediate results.**

No Advance in Advertising Rates.

Prices same as in regular issues.

Special Attention is called to inducements offered by the **extra circulation** that will be given this number. The copies in excess of the regular number offer **special value to advertisers** in search of **new customers,** as they go to tradesmen who are non-subscribers.

SATURDAY, DECEMBER 8, 1900

THE FLORISTS' EXCHANGE, P. O. Box 1697, New York.

ADVERTISEMENTS CANNOT BE SENT IN TOO EARLY TO SECURE BEST DISPLAY.



BOSTON FERN A SPECIALTY

VERY FINE PLANTS at 75c. and $1.00 each.
20,000 at $2.00 and $25.00 per 100.
Small plants at $5.00 per 100. True stock.

Extra well-berried

SOLANUM (JERUSALEM CHERRY)
5 inch, at $20.00 per 100; $3.00 per dozen.

20,000 PALMS My Own Growing. KENTIAS, LATANIAS, COCOS

ASPARAGUS P. NANUS, 3 inch, at $8.00 per 100.
ASPARAGUS SPRENGERI, at $6.00 per 100.
Order Now, Before Cold Weather.

L. H. FOSTER, 45 King Street, **Dorchester, Mass.**

Mention the Florists' Exchange when writing.

Now is the Time to Order Your **PALMS, Etc.,** FOR THE **HOLIDAYS** Before It Is Too Cold to Ship by Freight.

ARECA LUTESCENS.

4 in. pots, 1 in a pot, 18 ins. high, strong		$0.20
6 in. " 3 " " 20 " "		.50
6 in. " 3 " " 24 " "		.75
8 in. " 3 " " 36 to 40 ins. high, strong.		3.00
10 in. " 3 " " 48 ins. high		6.00

KENTIA BELMOREANA.

3 in. pots, 10 to 12 ins. high	$0.18 to $0.20
4 in. " 14 ins. high	.35
7 and 8 in. pots, 30 to 36 ins. high	$2.50 to 3.00

KENTIA FORSTERIANA.

3 in. pots, 12 ins. high	$0.18 to $0.20
4 in. " 16 to 18 ins. high	.35
10 in. " 40 to 45 " " 3 in a pot	5.00
12 in. " 60 to 75 " " strong single plants	15.00

CYCAS REVOLUTA.

6 to 10 leaves $1.00

LATANIA BORBONICA.

3 in. pots, 5 leaves	$6.00 per 100; $50.00 per 1000
5 in. " 6 to 7 leaves	$4.00 per doz.; $25.00 per 100
6 in. " 7 to 8 "	6.00 " 45.00 "

MISCELLANEOUS.

4 in. pots, Pandanus Utilis.	
8 in. " " "	$1.25
6 in. " " Veitchii	0.75
8 in. " " "	1.50
3 in. Dracæna Terminalis	$ 8.00 per 100
4 in. " " "	15.00 "
5 in. " " "	$0.35
3 in. " Sanderiana	$15.00 per 100
6 in. Araucaria Excelsa	$0.75
6 in. Livistona Rotundifolia	.75
3 in. Cocos Weddelliana	$10.00 per 100

LEMUEL BALL, Wissinoming PHILA., PA.

Mention the Florists' Exchange when writing.

ADIANTUM CUNEATUM

2½ in. pots, $4 per 100; 3½ in. pots, $5, $6, and $10 per 100.

SPRENGERI

2½ in. pots, $4 per 100
3 in. pots, $5 per 100.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

BIG BOSTON FERNS

Pot-grown, ready for 8, 9, 10 in., 20 to 30 fronds, 2 to 3 feet long. There is money in them for you, just what you want for Fall trade. First size, $1.00; 2d size, $75 cts. each. Get them while they are going. Cash, please.

A. J. BALDWIN, Newark, Ohio.

Mention the Florists' Exchange when writing.

Jardiniere Ferns

ELEGANT STOCK.

$3.00 per 100; $25.00 per 1000.

Roses for the South. Varieties most adapted for southern planting. Just the thing you want. Stock A No. 1. Write for Price List.

J. B. HEISS, The Exotic Nurseries. **Dayton, Ohio.**

Mention the Florists' Exchange when writing.

ASPARAGUS

SPRENGERI and PLUMOSUS NANUS.

Extra strong stock, from 2½ inch pots, $5.00 per 100; $40.00 per 1000. (Ready for 3 inch.)

JACKSON & PERKINS CO. NEWARK, NEW YORK

Mention the Florists' Exchange when writing.

AZALEAS - - }
PALMS - - - }
NEW PLANTS } **SANDER** BRUGES,
BAY TREES - } BELGIUM

The largest and finest stock on the Continent.

A. DIMMOCK, our representative, is now in the U. S. and will be pleased to reply to any communications addressed to 50 Vesey Street, New York. Lists on application.

Mention the Florists' Exchange when writing.

	Per 100
Ferns, in variety, 2½ in. pots	$3.00
Cryptomeria Japonica (Japan Cedar), 2½ in pots	5.00
Cyperus Alternifolius (Umbrella Plant), 2 in. pots	2.00
" " 3 in. "	3.00
Grevillea Robusta (Silk Oak), 4 in pots	7.00

LOW EXPRESS RATES.

J. S. BLOOM, Riegelsville, Pa.

Mention the Florists' Exchange when writing

FERNS. FERNS.

This year our ferns are in fine shape. A good variety and fine bushy stock. 2¼ in. pots, $3.00 per 100; $28.00 per 1000.

Asparagus Plumosus Nanus, 2½ in. pots, strong, $6.00 per 100.

Asparagus Sprengeri, 2½ in. pots, strong, $4.00 per 100.

HENRY WESTON & BRO., Hempstead, N.Y.

Mention the Florists' Exchange when writing.

BEAUTIFUL FERNS!

N. Davallioides Furcana, Bostoniensis and Washingtoniensis, from 3 inch pots, with fronds 2 to 4 feet long, at $1.00 each; $10.00 per dozen. For other choice and rare plants see my adv., page 1107 of this paper, Nov. 17.

N. STUDER, Anacostia, D. C.

Mention the Florists' Exchange when writing

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.

1730 CAMBRIDGE ST.

Mention the Florists' Exchange when writing.

PALMS AND BOSTONS

WALTER RETZER & CO.,

2045-59 CLARENDON AVE., (N. Halsted Street), **Chicago, Ill.**

Mention the Florists' Exchange when writing.

SPECIAL LOW CASH OFFER

To quickly reduce some extra large stocks.
NOTE THE PRICE — 25 at 100 rate.

BOSTON FERNS

Extra heavy plants, in 6 in. pots, thoroughly established, **$5.00 per doz; $35.00 per 100.**
4 in. pots, $2.25 per doz; $15.00 per 100.
2 in. pots $4.00 per 100; $35.00 per 1000.
All large sizes in quantity. Prices on application.

FICUS ELASTICA

Extra fine plants, in 6 in. pots, 20 to 30 in. high. $6.00 per doz.; $40.00 per 100.

ADIANTUM FARLEYENSE

4 in. pots, $6.00 per doz.
5 in. pots (worth $1.00 each), $9.00 per doz.

KENTIA BELMOREANA

2 in. pots, $1.75 per doz.; $14.00 per 100.
3 in. pots, 2.85 " 23.50 "
5 in., Fine Plants, $10.00 per doz.; $75.00 per 100.

ASPARAGUS PLUMOSUS NANUS

3 in. pots, $8.00 per 100.

ASPARAGUS SPRENGERI

5 in. pots, fine plants, $15.00 per 100. Worth $25.00 per 100.

Send for Wholesale Trade List of my specialties.

EMERSON C. McFADDEN, U. S. EXOTIC NURSERIES, Telephone, 28a Millburn **Short Hills, N. J.**

Mention the Florists' Exchange when writing.

CHEAP—TO CLOSE OUT.



BOSTON FERN.

BOSTON FERNS The true variety, from 2½ inch pots, $3.00 per 100; $25 per 1000.

Don't be afraid our stock of Boston Ferns will run out. We have sold 75,000 the past six weeks, but still have 125,00 fine plants on hand. Better buy now, as the price is sure to advance.

Asparagus Sprengeri, from 2½ inch pots, at $2.50 per 100; $20.00 per 1000.
Acalypha Sanderi, from 2½ inch pots, fine plants, $3.00 per 100; $25.00 per 1000.
" " from 3 inch pots, strong plants, $5.00 per 100.
Crotons, twelve best bedding varieties, from 2½ inch pots, elegant plants, at $3.00 per 100; $25.00 per 1000. These will be fine to shift on for next year's bedding.
Ponderosa Lemon, largest lemon grown; bears fruit weighing two pounds or over, and fruits when quite small. It is bound to become a popular plant. Fine plants, from 2½ inch pots, $1.00 per doz.; $7.00 per 100. Extra strong plants ready to bloom at once, $1.50 per doz.
Calla Lilies, 1¼ to 1½ inch diameter, 75c. per doz.; $5.00 per 100.
" " 1½ to 1¾ inch diameter, $1.25 per doz., $7.00 per 100.
The Two New Rusellias, Lemoinei Multiflora and Lemoinei Elegantissima. 50c. per doz.; $3.00 per 100.
Bougainvillea Sanderiana, from 2½ inch pots, $6.00 per 100.
Weeping Lantana, 2½ inch pots, $2.00 per 100; $18.00 per 1000.
Otaheite Orange, from 2½ inch pots, $3.00 per 100; $25.00 per 1000. from 3 inch pots, $4.50 per 100; $40.00 per 1000.
Ficus Elastica, perfect specimen of this fine Rubber plant, 15 to 18 in. high, $3 25 per doz.; $25 per 100.
Araucaria Excelsa, Norfolk Island Pine, fine plants with four tiers of leaves, $1 each; $10 per doz.

Murechal Niel Roses, 15 inches and over in height, healthy plants, $4.00 per 100; $35.00 per 1000
Roses, all the leading varieties of Teas, from 4 inch pots, fine plants, in perfect health, $8.00 per 100.
Roses, all the leading varieties of Hybrid Teas, from 4 inch pots, elegant stock, $10.00 per 100.

Send your list of roses for quotation. We have two million plants in stock. Our Fall Trade List of all kinds of ROSES, PLANTS and BULBS, now ready. Write for it.

THE GOOD & REESE CO., The Largest Rose Growers in the World. **Springfield, Ohio.**

Mention the Florists' Exchange when writing

BALL'S PALMS, &c. CHOICE, HARDY STOCK, Perfect in every respect.

Areca Lutescens, bushy, several plants together, 4 in at 25c.; 6 in. at 50c. and 75c; 8 in. at $1.50; 10 in at $3.00 and $5.00. Large bushy specimens, 14 and 16 in. pots, at $17.50 to $35.00.

Kentia Belmoreana, 3 in. at 20c. and 25c.; 4 in. at 40c. and 50c.; 5 in. at 75c.; 6 in. at $1.00 and $1.25; 8 in. at $2.00.

Kentia Forsteriana, 3 in. at 20c. and 25c.; 4 in. at 40c. and 50c.; 6 in. at 75c.

Latania Borbonica, 4 in. at 25c.; 6 in. at 50c. and 75c. Made up, 3 plants, 6 in. at 75c.; 8 in. at $1.00.

Livistona Rotundifolia, 4 in. at 40c.; 5 in., at 75c.

Pandanus Veitchii, 6 in. at 75c. and $1.00; 8 in. at $2.00.

Cocos Weddelliana, Ficus Elastica, Dracæna Terminalis, Dracæna Sanderiana, Araucaria Excelsa, Etc., Etc.

Price List on application.

CHAS. D. BALL, Holmesburg, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

ARECA LUTESCENS

3 plants, 6 inch pot, 24 to 26 inches ..... $12.00 per doz.; $100.00 per 100.
3 plants, 8 inch pot, 36 inches ..... $3.00 each; $36.00 per dozen.

COCOS WEDDELIANA.

1 plant, 2½ in. pot, 8 to 10 in. high ..... $15.00 per 100.
1 plant, 3 in. pot, 10 to 12 in. high ..... 20.00 per 100.
1 plant, 4 in. pot, 18 in. high ..... .50 each.
3 plants, 5 in. pot, 18 in. high ..... 1.00 each.

KENTIA BELMOREANA.

	Per doz.	Per 100
4 in. pot, 5 to 6 leaves, 15 in. high	$4 50	$35 00
6 in. pot, 8 leaves, 24 in. high	15 00	125 00
8 in. pot, 6 to 7 leaves, 30 to 32 in. high	each, $3 00	

KENTIA FORSTERIANA.

	Per doz.	Per 100
4 in. pot, 4 to 5 leaves, 15 in. high	$4 50	$35 00
	Each	Doz
8 in. pot, 6 leaves, 36 to 40 in. high	$3 00	$36 00
8 in. pot, 6 leaves, 48 to 50 in. high	4 00	48 00
6 in. pot, 5 leaves, 24 to 28 in. high	1 00	12 00
6 in. pot, 5 to 6 leaves, 30 in. high	1 25	15 00

All in perfect form and entirely free from insects or blemishes of any kind

All measurement from top of pot.

JOSEPH HEACOCK, - Wyncote, Pa.

Mention the Florists' Exchange when writing.

40,000

Kentias, Belmoreana and Forsteriana

Clean well grown stock in best market sizes—$35, $50, $75 and $100 per 100. See our wholesale list for sizes.

AZALEAS, Bushy Crowns well set with Buds.

10 to 12 inches in diameter ..... $35 per 100 14 to 16 inches in diameter ..... $50 per 100
12 to 14 inches in diameter ..... 45 per 100 16 to 18 inches in diameter ..... 12 per doz

ASPARAGUS PLUMOSUS NANUS.

Strong 2½ in. pots ready for shifting into 3 in...$5 per 100 Strong 3 in. pots....$8 per 100
Asparagus Sprengerii—2½ in..$5 per 100 *Asparagus Sprengerii*—3 in..$7 per 100

BOSTON FERNS.

Strong 2½ in. pot plants ..... $40 per 1000 Strong 4 in. pot plants ..... $15 per 100
Strong 5 in. pot plants ..... $4 per dozen

ROSES.

Strong two-year field grown. Excellent stock for forcing for Easter and Spring sales.
Crimson Ramblers—Extra strong, with canes 3 to 5 feet long ..... $12 per 100
$100 per 1000.
Hybrid Perpetual—Large assortment of best forcing varieties ..... $10 per 100
$90 per 1000.

Full assortment of French and Holland bulbs, Hardy Herbaceous Plants, Shrubs and Ornamental Trees.

THE STORRS & HARRISON CO., Painesville, Ohio.

NOTICE!

TO INSURE SAFE ARRIVAL OF PLANTS in cold weather, customers, when ordering, should give route by which plants should be shipped, and at same time notify agent in their end of line to place box in heated room until same can be called for by consignee.

Agents should be cautioned not to deliver plants except in heated wagon in freezing weather.



NEPHROLEPIS WITTBOLDII.

Strong plants from bench, ready for 3 inch pots, $1.00 each; $10.00 per Doz.; $75.00 per 100.

Kentias.

Varieties.	Size Pot.	Height No. Lvs	Leaves.	Each.	Per Doz.	Per 100
Belmoreana,	2½	6 to 9	3 to 4	$	$ 1.50	$12.00
Belmoreana,	3	10 to 12	4 to 5		2.00	15.00
Belmoreana,	3½	12 to 14	5 to 6	.25	3 00	20.00
Belmoreana,	4	14 to 16	5 to 7	.40	4 00	30.00
Belmoreana,	5	16 to 20	5 to 6	.75	7.20	60.00
" strong,	5	16 to 24	5 to 7	1.00	12.00	90.00
Belmoreana,	6	20 to 22	6 to 7	1.25	15.00	125.00
" strong,	6	26 to 26	6 to 7	1.50	18.00	140.00
Belmoreana,	7	36 to 40	6 to 7	2.25	27.00	200.00
Forsteriana,	2½	8 to 9	3 to 4		1.50	12.00
Forsteriana,	3	10 to 12	4 to 5		2.00	15.00
Forsteriana,	3½	12 to 14	5 to 6	.25	3.00	20.00
Forsteriana,	5	20 to 24	5 to 6	.75	7 20	60.00
" strong,	5	22 to 26	5 to 6	1.00	12.00	90.00
Forsteriana,	6	26 to 30	5 to 6	1.25	15.00	125 00
" strong,	6	30 to 34	6 to 7	1.50	18.00	180.00
Forsteriana,	8	44 to 50	6	3.25	39 00	300.00

Latanias.

Borbonica,	2¼	3			.60	5.00
Borbonica,	3	12	5 to 6		1.00	8.00
Borbonica,	3½	12 to 15	5 to 6	.15	1.50	12.00
Borbonica,	4	15 to 18	5 to 7	.25	3.00	20.00
Borbonica,	5	18 to 22	6 to 7	.50	5.00	35.00
Borbonica,	6	20 to 24	6 to 8	.60	6.00	50.00
Borbonica,	6	24 to 30		.75	9.00	

Variety.	Size Pot.	Height, Plants in pot.		Per Doz.	Per 100
Areca Lutescens,	2¼	5 to 6	3	$1.00	$8.00
Areca Lutescens,	3½	12 to 14	3 Ea.	2.00	15.00
Areca Lutescens,	4	15 to 18	3 $0.25	3.00	25 00

Asparagus.

Varieties.	Size pot.	Per Doz.	Per 100
Asparagus Plumosus Nanus..	4 in.	$1.50	$12 00
Asparagus Sprengeri.....	2 in.	.50	4.00
Asparagus Sprengeri.....	4 in.	1.50	12.00
Asparagus Sprengeri.....	6 in.	5.00	
Asparagus Sprengeri.....	8 in.	10.00	

The several sizes of Asparagus Sprengeri are especially strong and large value.

Ferns.

Varieties.	Size pot.	Per Doz.	Per 100
Pteris Serrulata	2 in.	$0.50	$4.00
Pteris Uobrosa	2 in.	.50	4.00
Cyrtomium Falcatum	2 in.		4.00
Cyrtomium Falcatum	3 in.	1.00	8.00
Cyrtomium Falcatum	4 in.	1.50	10.00
Nephrolepis Exaltata	5 in.	2.00	15.00
Nephrolepis Bostoniensis	2 in.		4.00
Nephrolepis Bostoniensis	6 in.	5.00	
Nephrolepis Cordata Compacta, fine plants	6 in.	4.00	30.00
Nephrolepis Cordata Compacta, fine plants	5 in.	2.00	15.00

Miscellaneous.

	Each
Araucaria Excelsa, 4 inch	$0.60
Araucaria Excelsa, 4 inch, nice plants	.75
Araucaria Excelsa, 5 inch, nice plants	1.00
Corypha Gebanga, 3 in., 5 to 6 leaves, $3 per doz.	
Curculigo Recurvata, 4 inch	$2.00 per doz.
Curculigo Recurvata, 5 inch	$4.00 per doz.
Cyperus Alternifolus, 4 in	$1.00 per doz.
Cyperus Alternifolus, 5 in	$1.50 per doz.
Dracæna Terminalis, 3 in	$2 00 per doz.
Dracæna Terminalis, 4 in	$4.00 der doz.
Dracæna Terminalis, 5 in	$6.00 per doz.
English Ivy, strong, 4 in	$2.00 per doz.
English Ivy, strong, 5 in	$3.00 per doz.

	Pot	Height	Leaves	Each	Doz.	100
Aspidistra Lurida,	5	15-20	8-12	50c.	$6.00	
Cocos Weddeliana	3			25c.	2.00	15.00
Ficus Elastica	6	22-23	12-14	75c.	7.20	$60.00
Ficus Elastica	7	24-28	14-16		10.00	75.00
Maranta Kerchoviana	3½				2.00	
Pandanus Utilis	2½	6- 6	10-12		1.00	8.00
Pandanus Utilis	3	8-10	12-15		2.00	15.00
Pandanus Veitchii,	8				$3.00	36.00
Pandanus Veitchii,	7				2.25	27.50
Pandanus Veitchii, extra fine	6				16.00	
Peperomia Argyræa			4		2.00	
Peperonica Peitata			4		2.00	
Phœnix Reclinata,	3		4- 6		1.50	10.00
Phœnix Canariensis	3		4- 6		1.50	10.00
Phœnix Reclinata,	10	40-45	6- 6	3.50		Doz.
Sanseviera Java. Var., 2 in, strong plants						$0.60
Sanseviera Java. Var., 3 in., strong plants						1.20
Sanseviera Java. Var., 4 in., strong plants						2.00
Zingiber Officinale (Ginger Plant), 4 in						2.00
Zingiber " " " 5 in						3.00

THE GEO. WITTBOLD CO., Palms and Ferns, 1657 Buckingham Place, Chicago, Ill.

Mention this paper

THESE plants have a long thrifty growth and are ready for a shift or immediate sale. They have been grown cool and can be safely shipped to any part of the country.

Boston Fern. From 2½ inch pots, $3.00 per 100; $25.00 per 1000.

Asparagus Sprengeri. From 2½ inch pots, $2.50 per 100; $20.00 per 1000. From 4 in. pots, $1.00 per doz., $8.00 per 100.

Asparagus P. Nanus. From 4 in. pots, $1.00 per doz., $8.00 per 100

Asparagus Tenuissimus. Nice 2½ in. plants, $3 a 100.

Umbrella Plants. 2½ in., $2.50 per 100.

Cycas Revoluta. 7 to 10 leaves. $1.00 each.

Boston Ivy. (A. Veitchii,) Pot grown, $3.00 per 100; $25 00 per 1000.

200,000 Roses. From 2½ inch pots, $2 50 per 100; $20.00 per 1000.

Golden Gate, Crimson Rambler, La France, Striped La France, White La France, Mosella, Bride, Maid, Etoile de Lyon, Meteor, White Maman Cochet, Marechal Niel, Pink Maman Cochet, C. Soupert, Pink Soupert, The Queen, Mariel Graham, Burbank, Marie Van Houtte, Gen. Lee, Mrs. Degraw, P. Pere, Abel Chatenay, Caroline Marniesse, Yellow Rambler, Empress of China.

Large 2-year-old H. P. Roses, well branched, shapely plants, average 18 inches high, $1.00 per doz.; $8.00 per 100. Gen. Jacq, Dinsmore, Paul Neyron, Magna Charta, Mme. Masson, Vick's Caprice.

Cash With Order, Please.

THE JOHN A. DOYLE CO., Springfield, Ohio.

Mention the Florists' Exchange when writing.

A Few Good Things You Want

KENTIA BELMOREANA and FORSTERIANA, 2½ in., 10c.; 3 in., 18c.; 4 in., 35c.; 5 in., 50c. each.

ARECA LUTESCENS, 3 in., 3 plants to pot, 18c.; 4 in., 25c. each. All cool grown, nice clean stock, and cannot be duplicated anywhere for the money.

BOSTON FERN, 3 in., $8.00; 4 in., $15.00; 5 in., $30.00 per 100.

SWORD FERN, Nephrolepis Cordata Compacta, 2½ in., $3.00 per 100.

REX BEGONIA, finest varieties, 2½ in., $4.00; 3 in., $6.00 per 100.

CAMPBELL VIOLET and VINCA VAR., 2½ in., $3.00 per 100.

PRIMULA CHINENSIS, 2 inch, $3.00; 3 inch, $4.00 per 100.

CYCLAMEN GIGANTEUM, 2½ inch, $4.00; 3 inch, $8.00 per 100.

ASPARAGUS Sprengeri and Plumosus, 2 in., $5.00; 3 in., $8.00 per 100 Cash with order.

CINERARIA, 2 inch, $2 00 per 100.

GERANIUMS, 2 inch, single Grant, $1.00 per 100; rooted Cuttings, $1.00 per 100.

GERANIUMS, 2 inch, Double Grant, Mme. Bruant, Mrs. E. G. Hill, Poitevine, Bonnat and S. A. Nutt, $3.00 per 100; Rooted Cuttings, $2.00 per 100.

CEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

HEADQUARTERS FOR PLANTS NOW and for THE HOLIDAYS

IMPORTED DIRECT FROM THE GROWERS IN GHENT, BELGIUM AND OTHER PLACES.

Having been to Belgium again myself, I am well posted on their system. As the growers there are all syndicated, I can assure you no one can obtain cheaper rates than I.

ARAUCARIAS

We are headquarters and can give you more value than any house in America can Order quickly before stock is all gone, and while the weather is not too cold. This is a rare chance. I have only about 1000 left.

These I purchased myself and they are of my own selection during my trip to Belgium in September, and I can offer you special prices. No seedlings; raised from top cuttings only.

5 in. pots, fine thrifty plants, only 50 cts. each 5½ in. pots, 3 to 4 tiers, 12 in. high and above, 60 cts. to 70 cts.; 5½ to 6 in. pots, 3 to 4 tiers, strong, bushy plants, 75 cts. and 80 cts.; 6 in. pots, 16 in. high, $1.00; specimen plants, 6 in. pots, 4 to 6 tiers, 22 to 25 in. high, $1.25 to $1.50.

Araucaria Compacta Glauca, very fine, bushy, 6 in. pots, 18 to 25 in. across, $1.25; specimen plants, 6 to 7 in. pots, $1.50 to $2.00.

AZALEAS Indica, large stock, my own selection while in Ghent, 10 to 12 inches, 35 cts each.

Larger sizes, 40 cts. and 50 cts. each.

Specimen plants Mme. Van der Cruyssen, $1 75 and $2 00 each.

Leading American varieties, such as Mme. Van der Cruyssen, Bernhard's Andrea Alba, Deutsche Perle, Empress of India, Prof. Walter, Simon Mardner, Vervæneana and others.

CORYPHA AUSTRALIS Hardiest palm of all Have 500 of them in 5 in. pots, 12 to 18 in. high, 45 cts. each.

Kentia Belmoreana, 5 in. pots, 18 in. high, bushy 75 cts. each.

Kentia Forsteriana, 5 in. pots, 36 in. high, $1 00 each.

Latania Borbonica, 6 in. pots, very fine, at the rate of $6.00 per doz.

Dracæna Bruantii, 5½ in. pots 24 in. high, most favored house dracæna, 50 cts. each.

Dracæna Indivisa, specimen plants imported, 6 in. pots, 50 to 6 in high, 40 cts. each.

FICUS ELASTICA (Rubber plants)

Have 1500, imported last Spring:

5½ to 6 in. pots, $1 00 per doz.

Specimen plants, 6 in. pots, $5 00 per doz.

BEGONIAS SEMPERFLORENS GIGANTEUM.

Best blooming Winter Begonia, 6 in. pots, 25 cts. to 35 cts. each.

President Carnot, 5 in. pots, 25 cts. each.

Other Winter blooming Begonias, leading varieties, 4 in. pots, 7 cts. each

CHRYSANTHEMUM STOCK PLANTS

Merry Monarch, best early and profitable white 'mum in cultivation; strong clumps, 75 cts. per doz; $5.00 per 100.

(If pots are wanted add 2 cts each)

Asparagus Sprengerii, 4 in.. pots, $ .20 per doz.

Cyclamen, 4 in.. $1.20 per doz.

Chinese Primroses, bushy plants, 4 in. pots, that will bloom at Xmas, at the rate of $6.00 per 100.

Cyperus (Umbrella Plants), 4 in pots, $5.00 per 100.

Large Honeysuckles, grown in 6 in. pots, 20 cts each.

Hardy Ivies, strong plants, 3 in. pots, 7 cts. each.

500 Wallflowers, 2 in. pots, strong, $1.50 per 100.

Geraniums, 2½ in. pots leading varieties $2 50 per 100.

Callas, 6 in. pots, strong plants, 20 cts each.

Cash with order, please. Money can be sent safely by Express or Post Office money order, registered letter, draft on Philadelphia banks, etc. Goods must travel at purchaser's risk.

Please state whether to be shipped with or without pots.

GODFREY ASCHMANN, 1012 ONTARIO STREET, RISING SUN, Philadelphia, Pa.

IMPORTER AND GROWER OF POT PLANTS.

Mention the Florists' Exchange when writing.

50,000 BOSTON FERNS

I Make a Specialty of

N. EXALTATA BOSTONIENSIS

Small plants, $4.00 per 100 or $30.00 per 1000; large plants, $6.00 to $20.00 per 100; taken from the bench.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 5 in. pots, $6 00 per doz.; 6 in. pots, from $1.00 to $1.50 each; 7 in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 in. pots, $3.00 and $4.00 per doz.

Asparagus Plumosus, 3½ in. pots, $10 00 per 100.

Araucaria Excelsa, 20 to 24 in. high, 5 to 6 tiers, 6 in. pots, $1.50 each; larger size, $2 00 each.

Rubber Plants, 20 to 32 in. high, $5.00 to $9.00 per doz.

Chinese Primroses, 3½ inch pots, $6 00 per 100; 5 in. pots, bud or bloom, $ 2 00 per 100.

Assorted Ferns for Jardinieres, $3 50 per 100.

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders **Connected with Telephone.**

Mention the Florists' Exchange when writing.

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LATANIA BORBONICA, from 2½ in. pots, $4 00 per 100; 3 in. pots, $7.00 per 100; 4 in. pots, $18.00 per 100; $2 40 per 12; 5 in. pots, $35 00 per 100; $4.50 per 12; 6 in. pots, $50 00 per 100; $7.25 per 12; from 8 in pots and larger, $2.50 each and upwards, according to size.

KENTIA Forsteriana and Belmoreana, from 2½ in. pots, $8.00 per 100; 3 in. pots, strong, $15.00 per 100; 4 in. pots, $30.00 per 100; 5 in. pots, 60.00 per 100, $8.00 per 12; 6 in. pots, $15.00 per 12; from 7 in. up at $1.75 each, and more according to size.

ARECA LUTESCENS, from 2½ 3 and 4 in. pots, at $5 00 $8.00 and $20 00 per 100; 5 in. pots, $40 00 per 100, $6 00 per 12. Fine stock of larger plants from $1 50 upwards. Two fine specimen plants, about 10 ft. high, for $20 00 the pair

COCOS WEDDELIANA, from 2½ in. pots, $10 00 per 100; 4 in. pots, $25 00 per 100.

PHŒNIX RECLINATA, 4 in. pots, $20.00 per 100; 5 in. pots, $35.00 per 100, $4 50 per 12. Larger plants from $1.00 up.

PHŒNIX RUPICOLA, 6 and 7 inch pots, $1 00 to $1.50 each.

FERNS Assorted, 2½ in. pots, $3.00 per 100; 3, 4 and 5 in pots at $7.00, $12.00 and $25.00 per 100; Nice large plants from 50 cts upwards

AZALEAS At $1 50 per 12 and upwards; fine plants in pots including "Deutsche Perle," good for Christmas forcing.

JOHN BAUER, Troy Hill, ALLEGHENY CITY, PA. L. D Telephone, 872a

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico. To foreign countries in postal union $2.00. Payable in advance. The date on the address label indicates when subscription expires.

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Copy must reach this office not later than Thursday in order to secure insertion in issue of the following Saturday.

Orders from unknown parties must be accompanied by cash or satisfactory references.

ILLUSTRATIONS.

Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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Liberty Hyde Bailey, the most celebrated living horticulturist, professor of general and experimental horticulture in Cornell University, has, says the Los Angles *Times*, been secured for the faculty of the next summer session of the University of California. Professor Bailey will lecture on horticulture.

S. A. F. Proceedings, 1900.

The proceedings of the sixteenth annual convention of the S. A. F. held in New York City, August 21-24 inclusive, have been distributed by Secretary Stewart. As usual, the pamphlet is replete with valuable information. Innovations this year are the records of the bowling tournament, and the report of the manager of the horticultural exhibition.

GALVESTON RELIEF FUND.

Publishers Florists' Exchange:

Will you please announce in your paper that I received from the Florists' Relief Fund of Galveston $18.57; also $32.18 from Mrs. Chas. Eickholt, her share of the fund, which she was gracious enough to turn over to me, although herself a very great loser during the storm. To the contributing florists and Mrs. Eickholt of Galveston, I tender my most heartfelt thanks and best wishes for a successful future.

(MRS.) J. L. HARRIS,
Formerly of Beach Nursery, Galveston, Tex.

New York's Plant Market.

The plant growers for the New York market, represented by delegates from the New York Market Florists' Association, waited upon Mayor Van Wyck on Monday afternoon last, with a view to furthering the project of transforming old Clinton Market, Canal and Washington Streets, into a properly constructed mart for the disposal of their products. The Mayor listened with great attention and evident interest to the statements of the plantsmen setting forth the immense development of the industry within the past half century, and the necessity of providing suitable market accommodation for the carrying on of their business; and he promised to investigate the matter and give a decision later. In the meantime a petition will be drawn up and presented to the Mayor, outlining the requirements of the marketmen; and photographs will also be submitted to his Honor showing the now dilapidated condition of the building, and its present utter unfitness for the purpose in view. It was stated that an appropriation of about $250,000 would be required to erect a suitable structure.

As we have before pointed out, the establishment of a recognized plant and flower market in New York City is a matter that concerns not only those who are now agitating the scheme, but every florist in the city and contributing to its supplies of these products. It is generally admitted that existing conditions militate against the material welfare of the trade, and anything calculated to improve these conditions should be heartily supported by every one interested. Only by concentrated and united effort will any tangible results be achieved along this line, and the importance of the subject to the florist trade of New York and neighborhood, demands that this should be afforded.

Flower Show Programs.

Since our remarks on this subject appeared, we have received additional show catalogues, demonstrating that the system endorsed by us, viz.: to make the program an asset for the exhibition, is followed more or less fully by some societies. The program coming nearest to our ideal is that of the Chestnut Hill (Pa.) Horticultural Society, which not only contains complete information regarding the various classes in which competition occurs, and prizes are offered, numerous well-filled pages of advertisements, and some data regarding the society, and its work; but affords blank spaces on which memoranda may be made regarding the subjects exhibited. If these facts had been supplemented by one or two brief cultural articles, suitable for amateurs and plant lovers, the program would have had a still more permanent value. The catalogues for the Chicago and Tarrytown (N. Y.) shows also contain numerous advertisements.

American Carnation Society.

NEW CARNATIONS REGISTERED.

Messrs. Fick & Faber, San Francisco, Cal., register the following:

MISS LOUISE FABER.—Bright pink, two and one half to three and one half inches in diameter, occasionally reaching four inches. Flowers well formed and fringed, borne on stems from two to three feet in length. A continuous bloomer.

PURITY.—The purest and largest white yet introduced; flowers three to four inches in diameter; finely fringed, and well formed. Stems from eighteen to thirty inches in length, and very wiry. Both are good healthy growers.

ALBERT M. HERR, Secretary.
Lancaster, Pa.

Society of American Florists and Ornamental Horticulturists.

DEPARTMENT OF PLANT REGISTRATION.

The F. R. Pierson Co., Tarrytown, N. Y., register new fern Nephrolepis Piersoni, a sport from the type of Nephrolepis exaltata known as the Boston fern. The pinnæ are subdivided so that each has the appearance of the full frond in miniature, giving a beautiful crested effect; otherwise the plant is identical with the Boston fern.

WM. J. STEWART, Secretary.

Cincinnati Florists' Society.

This society has issued its schedule of premiums for the monthly exhibitions to be held at the club rooms, Jabez Elliot Flower Market, Cincinnati, during the coming season. On December 8 there will be a special exhibition of carnations; the show on January 12, 1901, will be devoted mainly to violets, roses, and carnations; that on February 9 to roses and carnations. On March 9 carnations will be the leaders, and on April 13 bulbous and market plants. The secretary of the Society is George S. Bartlett from whom copies of the premium list may be obtained.

The Jurisdiction of the C. S. A.

There recently appeared before one of the committees of the Chrysanthemum Society of America for adjudication a bunch of pink pompon chrysanthemums of, supposedly, a new variety. The committee, however, "considered they had no jurisdiction over this type, and did not pass any judgment upon them." We believe that such an interpretation of the province of this Society, correct enough, no doubt, so far as the committee is concerned, is a very unfortunate one, and in direct opposition to that for which the Society was created, viz.: The advancement and improvement of the chrysanthemum generally—not of any particular type of the flower. Writing in "The American Chrysanthemum Annual" of 1895, President-elect S. A. F. O'Mara made the following remarks regarding this very point which are as pertinent today as they were when first written, and to which we beg to refer the Chrysanthemum Society for its earnest consideration. He said:

"Too much stress has been laid, I think, on the fitness or unfitness of certain varieties for cut flower purposes. The Chrysanthemum Society of America, being composed mainly of men who are growing the chrysanthemum for cut flowers, is prone to regard new varieties from one point of view only. This I regard as a mistake. Horticulture is broader than the cut flower market, and there is room without crowding for the cut flower varieties, the pompons, the anemones, the singles, the tasselled, and all the other quaint forms.

"If, then, the committees of our Chrysanthemum Society cannot see merit in any variety unless it is of a stated size and shape, or without certain lines of color, they should state distinctly that they speak only from the standpoint of the cut flower grower. This would clear up a wrong impression which obtains in some quarters, viz.: that they constitute the last court of appeal on everything connected with new varieties of chrysanthemums. We want greater variety both of form and color in the flowers, if this plant is to retain its hold upon the people."

But there should be no grounds from which any wrong conclusion can be drawn regarding the object of the Chrysanthemum Society, neither should its work be differentiated. The society should take cognizance of everything appertaining to the chrysanthemum cult. Just why it doesn't is another of the inexplicable things which attach to this well-meaning, but lily-supported body.

The Gardeners' Chronicle in its issue of November 10, last, publishes the American Rose Society's scale for judging roses, and comments thereon as follows: "The relatively little importance assigned to fragrance is very remarkable. Next to form we should consider it of greatest consequence."

Chrysanthemum Society of America.

Following are the reports of the committees judging seedlings and sports:

November 10.

CHICAGO.—Nathan Smith & Son, Adrian, Michigan, exhibited Mrs. Elmer D. Smith, yellow, which scored 93 points, commercial scale.

November 17.

CHICAGO.—E. G. Hill & Co., Richmond, Ind., exhibited Mary Hill, pink, which scored 78 points, commercial scale. Malcolm Lamont, crimson, by same exhibitors, scored 81 points, commercial scale.

NEW YORK.—H. A. Molatsch, Brooklyn N. Y., exhibited No. 19, a bright yellow, Japanese incurved variety, which scored 87 points, commercial scale.

E. G. Hill & Co., Richmond, Ind., exhibited Malcolm Lamont, crimson, reflexed, scoring 85 points, commercial scale.

John N. May, Summit, N. J., exhibited Mrs. W. B. Chamberlain, light pink, reflexed Japanese, which scored 85 points, commercial scale.

PHILADELPHIA.—Miller & Sons, Bracondale, Ontario, Canada, exhibited Timothy Eaton, white, Japanese incurved, which scored, commercial and exhibition scales, 92 points.

E. G. Hill & Co. exhibited Malcom Lamont, which scored 90 points, commercial scale; 91 points, exhibition scale.

Nathan Smith & Son, Adrian, Mich., exhibited Mrs. Elmer D. Smith, a yellow Japanese incurved variety, scoring 91 points commercial scale; 90 points exhibition scale.

Mrs. W. B. Chamberlain, exhibited by John N. May, scored 83 points commercial scale; 85 points exhibition scale.

No. 112, by the same exhibitor, a chrome red, Japanese reflexed, scored 84 points commercial scale; 85 points exhibition scale.

Ferdinand Heck, gardener to George F. Baer, Esq., Reading, Pa., exhibited a yellow Japanese incurved variety, which scored 84 points, commercial and exhibition scales.

BOSTON.—Nathan Smith & Son exhibited Mrs. Elmer D. Smith, scoring 94 points, commercial scale; 87 points, exhibition scale.

Mrs. Ritson, a white sport from Viviand-Morel reflexed, by same exhibitors, scored 90 points exhibition scale. The flowers arrived in poor condition, but, judging from the excellence of its parent—V. Morel—we consider this sport worthy of this score.

John N. May exhibited Mrs. W. B. Chamberlain, which scored 88 points, commercial and exhibition scales.

CINCINNATI.—H. R. Ragan, Springfield, O., exhibited Gold Smith, a bronze-yellow sport from President W. R. Smith, Japanese reflexed, scoring 83 points, commercial scale.

E. G. Hill & Co. exhibited Mary Hill, a pink incurved variety, scoring commercial scale 89 points. Malcolm Lamont, by same exhibitors, scored 85 points, commercial scale.

Nathan Smith & Son exhibited Mrs. Elmer D. Smith, which scored 93 points, exhibition scale.

Exhibitors should make an effort to mail to the undersigned the name of the variety or varieties, legibly written, which they have sent for examination to any of the committees in ample time, so that they may be correctly spelled when reported to the horticultural press.

The announcement has already been made that November 24 would be the last day that the various committees at the different centers would be on hand to examine seedlings and sports. To judge late seedlings it has been the custom for the committees to meet on following Saturdays when requested. Arrangements can be made for those having late blooms to show, if a letter to that effect be addressed to any of the following chairmen in good time to give them an opportunity to get their committees together.

A. H. Fewkes (chairman of Boston committee), Newton Highlands, Mass.

E. Dailledouze (chairman New York committee), Flatbush, Brooklyn, N. Y.

A. B. Cartledge (chairman Philadelphia committee), 1514 Chestnut Street, Philadelphia.

James S. Wilson (chairman Chicago committee), Western Springs, Ill.

R. Witterstaetter (chairman Cincinnati committee), Sedamsville, O.

EDWIN LONSDALE, Secretary.
Wyndmoor, near Philadelphia, Pa.

Work of Committees.

NEW YORK.—Three new varieties were granted certificates by this committee on Saturday, November 17. These were; Mrs. W. B. Chamberlain, a light rose pink variety, of the reflexed Japanese type, sent by John N. May, of Summit, N. J. It scored 85 points. This is a nice pink kind, having a shade of color that will command the admiration of flower buyers in general.

E. G. Hill, Richmond, Ind., sent a good crimson variety named Malcolm Lamont, Japanese reflexed, having good color, and excellent stem and foliage. This variety also scored 85 points.

H. A. Molatsch, Brooklyn, N. Y., submitted a fine pure yellow variety of the Japanese incurved type, and grown by A. Welsing. This is a beautiful clear yellow, and almost perfect in its solidity; its stem was its weakest point, yet the variety scored 87 points.

New Chrysanthemums.

YANARIVA reflexed, Viviand-Morel form, deep blush pink in center gradually decreasing in color to the outer edges to a pale blush, quite distinct from any known variety, and a grand acquisition, 7 inches through by 5 to 5½ deep. Terminal buds. In season from October 30 to November 15.

BRUTUS. Bright orange red, reflexed, dense foliage, heavy stem, flat petals, the whole forming a handsome flower, of glowing sunset red. Average, 6 inches through, by 4½ deep. Height, 3 feet. Crown or terminal bud. Season October 20 to November 1.

Both of the foregoing varieties were raised by John N. May, Summit, N. J., and have been certificated by the committees of the Chrysanthemum Society of America.

The Original Chrysanthemum.

We reproduce on page 1128 from the Gardeners' Chronicle, London, an illustration of Chrysanthemum indicum, the original type from which the florists' chrysanthemums have been obtained. The specimen from which the picture was made, was collected in the wild state in the far interior of China, whence it was communicated to the Royal Gardens, Kew, by Mr. Grant Birch. The plant was exhibited at the recent flower shows in London. The flower heads are little more than half an inch across, and of a pure yellow color. As shown, all the shoots bore terminal buds, and none of the lateral and axiliary buds had been thinned out.

At the recent chrysanthemum show held in connection with the Paris Exposition, M. Foukouba, head gardener of the Emperor of Japan, exhibited thirteen plants of chrysanthemums of thirteen different varieties, each plant about five feet high and ten feet in diameter, carrying from 180 to 240 flowers. These were grown in France under the direction of M. Foukouba. In an interview published by a Paris newspaper, that gentleman is reported to have stated that in Japan he at one time raised a variety named Reiyo which produced 800 flowers. Being questioned as to how such results were obtained, M. Foukouba replied that in Tokio, rape cake is used as a manure with great satisfaction, also the chemical fertilizers recommended by M. Cordonnier, an eminent French chrysanthemum grower, and those of M. Georges Truffaut, the well-known agricultural chemist.

The Japanese are getting away from growing the very large flowers.

The thirteen plants exhibited were grown from cuttings purchased from Vilmorin Andrieux & Co., in February last.

OBITUARY.

Frederick Danker.

Frederick Danker, father of Frederick A. Danker, florist, died November 16 at his home, 242 Hudson avenue, Albany, N. Y., in the 73d year of his age. He was one of Albany's best known citizens and was prominent in business circles, although for several years he had not been active. His death is mourned by many friends who extend their sincere sympathy to the family in their bereavement.

Henry Heepe.

Henry Heepe, of the firm of A. Heepe & Sons, Akron, O., was found dead in his greenhouses, November 13. Heart decease was the cause of death. He was 51 years old.

U. S. Department of Agriculture.

Four divisions of this department have been affiliated under the name of Office of Plant Industry, with B. T. Galloway, superintendent of Gardens and Grounds; Albert F. Woods, chief of Vegetable Physiology and Pathology; F. Lamson-Scribner, chief of Agrostology, and G. B. Brackett, chief of Pomology. The plan is to bring about closer union and co-operation in these several branches, with a view to developing the work along the broadest possible lines. Horticulture will be made a special feature in future, and particularly the intensive lines of work, especially that of growing vegetables and flowers under glass.

Firms Who Are Building.

TOLEDO, ILL.—W. A. Brewer is building a greenhouse.

LEWISTON, ME.—F. H. Peckham has added a greenhouse, 71x24 feet.

SO. FRAMINGHAM, MASS.—C. H. B. Chapin & Co. have build another greenhouse.

STOCKBRIDGE, MICH.—C. A. Skidmore has been building an addition to his greenhouse.

OWOSSO, MICH.—Herb. Deal has now completed the office for his greenhouse on Comstock Street.

CINCINNATI, O.—George & Allan, Hyde Park, are erecting a structure for the accommodation of "boarders."

GRAND ISLAND, NEB.—Ellsworth, the florist, has just completed a hot water heating apparatus for his greenhouse.

EAST GREENWICH, CONN.—William Crompton has added an office and delivery room, and otherwise improved his greenhouse plant.

NORTH TOHONTO, ONT.—The greenhouses of W. Muston, Davisville, have been largely increased of late and another boiler added to the heating arrangement.

DELEVAN, WIS.—F. T. Mannhan, proprietor of the Williams Bay Floral Co., is making extensive improvements to their property—adding another large greenhouse, putting in the heating apparatus, the work of which has just been completed, painting the buildings, and making other permanent improvements.

CHANGES IN BUSINESS.

LEBANON, PA.—R. W. Wynings will open a flower store on Eighth St.

LOWELL, MASS.—James Walsh has opened a store at 23 Merrimac St.

GREENCASTLE, IND.—A. M. Troxell has started in the florist's business here.

ALBANY, N. Y.—George H. Grey has opened a flower store at 256 South Pearl St.

HOLLIS, L. I.—Wm. Stuppe has removed his florist business from this point to Englewood, N. J.

FINDLY, O.—E. R. Barnd, who moved to Florida a year ago, has gone to Mount Clare, where he will raise vegetables for the northern market.

OIL CITY, PA.—J. T. Gestinger, of Wisconsin, was here recently looking over the ground with a view of locating and engaging in growing roses and carnations on a large scale.

FORT DODGE, IA.—H. E. Mitten, of Morris, Illinois, formerly connected with the Morris Floral Company, has purchased an interest in the Kellenberger greenhouses in this city, and is now engaged looking after the interests of the business.

MARRIED.

Rudolph-Wilson.

In Montgomery, Ala., on November 14, at 7:30 A. M., Thomas Rudolph was married to Miss Lucy Cary Wilson at the home of the bride, Rev. Stewart McQueen officiating. After a trip to, and short stay in, Nashville Tenn., the couple will return and be at home to their friends at 217 Mildred St. No cards.

Business Difficulties.

BOSTON, MASS.—Edward F. Costeller' florist, 159 West Springfield St., this city, is a bankruptcy petitioner. Liabilities $3,066.67; no assets.

PERSONAL.

PERU, ILL.—H. S. Hackman, florist, is reported to be seriously ill.

Brooklyn, N. Y.

The Greenwood Florists Employees' Association held its annual entertainment and reception in Prospect Hall, Brooklyn, Wednesday evening, November 21. The membership of the association is made up principally of the employees of florists around Greenwood Cemetery.

Cleveland, O.

The May Co. has opened a flower department in their retail store.

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THE ELMIRA (N. Y.) SHOW.

The Elmira chrysanthemum show, taken as a whole, was satisfactory. Some features, however, were lacking—notably the usual Cornell exhibit that was "non est." If the high-lights gradually drop out, what will be the fate of poor chrysanthemum? Undoubtedly purely exhibition blooms will be grown more by private gardeners than commercially, for the prices at present obtained do not warrant the extra expense entailed, and growers, generally, realize this fact, together with other factors involved. Successful exhibitions must, therefore, depend largely on private places for display.

Strathmont (Hon. J. S. Fassett, John B. Rudy, gardener) helped out the Elmira show, with grand blooms. His William H. Chadwick won on white; Colonel Appleton for yellow, Helen Bloodgood, pink, and T. H. Spaulding red. Goldmine was a good exhibition flower, but not nearly the equal of Colonel Appleton, either commercially or for exhibition. F. R. Pierson Co.'s Colonel Appleton were next to Rudy's, those from Strathmont being exceptionally fine. N. Smith & Son's Lavender Queen is good, and Rawson's Bronze Beauty, an immense perfectly incurved bronze, with fine stem and foliage to the bloom, is altogether the finest thing in this line of color. An accident to the house of seedlings deprived Rawson of bringing several of them before the committees. A severe wind and rain storm broke open the roof and badly damaged the blooms at a critical stage, but they will be heard from later.

The silver cup for the best seedling was awarded Timothy Eaton. This high grade gentleman from Canada is not disbarred for weak stems, amply supporting a heavy full bloom of dull white florets; still, it is not the equal of William H. Chadwick in color, symmetry and form, although earlier.

Other good seedlings were shown from N. Smith & Son, John N. May, Moon, Ward, and Rawson. Hoffman had Eureka in excellent form, and Rawson's Philadelphia and Pennsylvania were the best in their class.

The sports from Viviand-Morel, Chas. Davis, Lady Hanhan, Mrs. Ritson and Lady Anglesey, in Nathan Smith & Son's collection, are particularly pleasing in color tone, though varying much as to cultural conditions.

N. Smith & Son made a creditable display, but did not gain any firsts at Elmira. Mrs. F. A. Constable, Chito, and Rustique were among the firm's best blooms.

John B. Rudy, Strathmont, showed Mrs. F. A. Constable, Adula and Lucy Faure in extra fine shape.

Rawson had the only pompons and Chinese section, and these are certainly needed for variety.

Rawson secured first on roses, also for large vase of 100 blooms, chrysanthemums, arranged for effect. This was the most noticeable, one exhibit occupying the center of the hall. A long table of pots and pans of growing chrysanthemums for the retail trade, short and stocky, with nice blooms, was another of Rawson's specialties. This display was not for competition.

Hoffman had the only vase of Mrs. Lawson carnation, C. W. Ward showed Colonel Roosevelt, and yet the premium for best red was awarded ordinary blooms of America; Witterstaetter's Enquirer, second; Mrs. Lawson first, for dark pink or cerise.

Prosperity carnation, from Dailledouze Bros., arrived on second day of show, and was a stellar attraction. Queen of Edgely was present, but the rose, unfortunately, was "off" color, and looked like a faded Beauty.

There were other exhibits from local growers, Mrs. H. D. Wells, La France, Orvis and Lewis.

William Scott, P. A., was judge (P. A. stands for Pan-American).

GROVE P. RAWSON.

THE PARIS (FRANCE) SHOW.

The London Garden in its report of the chrysanthemum show, held at the Paris Exposition, October 31 to November 5, says:

"An important feature was made by M. Aug. Nonin. An effective group was set up by this exhibitor, composed entirely of novelties for next year. Mme. Camille Blanc is a Japanese incurved, with medium-sized grooved florets, and the color a fine shade of pure, clear buttery yellow; M. A. Charvet is a Japanese, with long florets, color deep velvety bright crimson, reverse golden; Fin de Siecle, an immense Japanese, with long drooping florets, color pure deep golden-yellow; Sada Yacco, Japanese, with long twisted curly grooved florets, color creamy white, tinted green in the center; Ceres, large globular Japanese, with grooved florets deep and compact in build, color very pale yellow.

"Another fine lot of new seedlings was staged by M. Ernest Calvat. A noble-looking flower of colossal dimensions is Calvat's Sun. It was the finest new seedling in the show, and would undoubtedly have been awarded the special prize of the American Chrysanthemum Society but for the fact that the raiser had already been awarded the large gold medal of the English National Chrysanthemum Society, for the finest exhibit of seedlings. The color is a most intense deep golden-yellow and absolutely pure in tone. Others were Rol Soleil, a large Japanese of a fine pure golden-yellow color; Croix du Sud, immense in size, a Japanese, with pure white grooved florets; Paolo Radaelli, a large globular flower, with groove twisted florets, color a curious shade of pinkish mauve; Brunchild, an eccentric-looking Japanese, with a central whorl of florets, color pale purple-amaranth, reverse silvery; Regina, pure paper white, etc.

"The American Chrysanthemum Society offered a prize of the value of 125 francs for the best new seedling, which was awarded to M. Liger Ligneau for an excellent Japanese incurved with narrow florets, very deeply grooved and pointed at the tips, called Mdlle. Marie Liger. The color is a dull shade of pink, but clear and pure. Some other interesting exhibits of cut blooms included a very good collection from M. Charmet, of Lyons, and also one from M. Molin of the same place, who had a Japanese anemone, very curious and distinct in build, called Torlada, of large size with very long tubular guard florets, open and curly at the tips, the color being white with a disc of yellow. M. Charmet had an excellent exhibit of large blooms in good condition, comprising Charles Davis, Soleil d'Octobre, the Convention, Nyanza, Mme. Lawrence Zede, Mme. Gustave Henry (very fine), Australie, etc.

"The other large greenhouse was almost wholly devoted to an immense display of plants in pots. These were all arranged in beds of various shapes, with an edging of grass. Close to the entrance was a very fine group by M. Lemaire, each plant carrying a good number of large-sized blooms; those in front were arranged in a line of color by themselves, there being one of purple, one of crimson, one of yellow, and finally one of pink blooms. Behind these were mingled President Lemaire, a beautiful crimson chestnut Japanese with golden reverse, having very broad-grooved florets, M. Fatzer, Paul Oudot, Mlle. Gabrielle Deone, Ed. Andre, and a very bright Japanese, not inappropriately called Globe de Feu.

"Standards in pots were shown by M. Gouleau. The varieties consisted of Fair Maid of Guernsey, President Nonin, Mme. Ed. Roger, Mme. Calvat, Mme. Carnot, Surpasse Amiral, Mme. Gustave Henry, Viviand-Morel, Gloriosum, and many others not quite so well known on this side of the Channel.

"Messrs. Levequeet fils filled up a large rectangular bed with blooms of almost every well-known Japanese in cultivation. The best we saw were Fred Bauer, Colonel W. B. Smith, Princesse Alice de Monaco, Wonderful, Mme. Ed. Roger, Beauty of Teignmouth, Gloire du Rocher, Lydia, M. Farrer, Salome, and many more of the same kind.

"Standards in pots were also shown by M. Patrolin. Although these were rather loosely flowered, the blooms were of very good size, but the great majority of the varieties were quite unknown to us by name. We, therefore, only mention W. Tricker, Australian Gold, Mme. Calvat, Mrs. C. J. Beer, Mme. Ed. Roger, Viviand-Morel, Charles Davis, General Paquie, and Charles Albert, a very fine shade of warm terra cotta.

"Messrs. Vilmorin, Andrieux & Co. had several large and important groups. One of these contained plants in pots, bearing from four to six blooms on each. It was prettily arranged with a border composed of turf and an inside edging of golden pyrethrum. We could not fail to be impressed with the immense numbe



New Chrysanthemum Yanariva.



New Chrysanthemum Brutus.

of 1900 novelties, which appeared to have come from every available source. Another group from the same firm was arranged in the middle of this great conservatory, around the statue in the center. They were freely-flowered, single-stem plants, with good heads. The names of the best must suffice, viz.: Le Taker, Orquell, a new yellow, Banquise, a fine white, M. Chenon de Leche, Mrs. Weeks, M. L. Remy, President Felix Sahut, white, Pride of Madford, Viviand-Morel, etc.

"M. Aug. Nonin's collection of pot plants, every one of which bore from three to ten immense exhibition blooms, was a sight to remember. M. Raymond Desforets, a deep, old-fashioned incurved of perfect form and build, having broad florets of good substance, the color being a beautiful rich old gold, inside which is scarcely visible chestnut, was a grand flower. Mme. Ph. Roger is a grand Japanese incurved, chestnut crimson with bronze reverse. Other good ones of more than ordinary merit were Phœbus, Volcan, Myrto, Orquell, Dr. Roche, a beautiful pink, Etoile de Feu, dazzling fiery crimson, Oceana, M. Farzer, W. Seward, President Felix Sahut, white, Jules Bernard, fine purple, President Lemaire, Colonel W. B. Smith, Lady Hanham, etc."

THE INDIANAPOLIS SHOW.

In place of the former celebrated chrysanthemum shows of the Society of Indiana Florists, the now State Florists' Association of Indiana held a one day free exhibition at the State House, on Wednesday, November 14. The show was a success in quality and quantity. The best exhibits were the chrysanthemum blooms, while carnations and roses came next. The out-of-town florists were represented in larger numbers than the home craft, which is usually the case. Why, I cannot understand, as a show is the cheapest advertisment for any firm.

The attendance of the public was unusually good; it seems the people are again taking more interest in floral exhibits; or was it because admission was free.

Among the noticeable exhibits were those of J. W. Barnard and G. Teilmann, both of Marion, Ind.; South Park Floral Co., Newcastle, Ind.; H. W. Rieman and Bertermann Bros., Indianapolis. The latter's exhibit consisted of specimen foliage plants, cattleyas and cypripedium plants, also American Beauty roses and chrysanthemum blooms, not for competition. In H. W. Rieman's display, some Begonia Lemoinei plants attracted a great deal of attention, also several good seedling chrysanthemums. South Park Floral Co. showed some extra finely colored Beauty, Bridesmaid, and the new rose Marquis de Litta, a French hybrid tea of a much lighter shade than that of Meteor. This display was also not for competition. Among Teilmann's flowers 25 Bonnaffon were remarkably well done. J. W. Barnard showed some excellent carnations. A vase of pompons, May Williamson, shown by John Hartje, was fine. This is a good commercial variety and received special mention. A seedling carnation, shown by Bauer & Smith, labeled Elma, a light pink of fair quality, also got special mention, as did the following displays: R. A. McKeand, for four seedling canna blooms; Stuart & Haugh, for carnation Avondale, a pink sport of Armazindy; R. Witterstaetter, Sedamsville, O., for Enquirer carnation. John Heidenreich showed some very good market plants.

Among the most noticeable blooms were a vase of Golden Gate roses, and in chrysanthemums Mrs. Perrin, Mrs. F. A. Constable, Zeno, Wm. H. Chadwick, Orizaba, Golden Wedding, Lavender Queen, Thoraden, Viviand-Morel, Merza, Mrs. O. P. Bassett, Mrs. H. Weeks and Evangeline, a splendid white, globular-flowered variety, which should be in every collection.

A shipment of Queen of Edgely roses was received too late for exhibition. The flowers were exhibited in Bertermana's store and attracted a great deal of attention; they arrived in good shape. The color, while it is pleasing, cannot be compared with that of a good American Beauty.

The judges were Chas. Kaopl, Richmond, Ind., and E. A. Nelson, Indianapolis. Following are the awards:

CHRYSANTHEMUMS

Three market chrysanthemums in 6-inch pots—H. W. Rieman. Ten single-stem chrysanthemums—E. Huckriede & Son. Six white chrysanthemums—West View Floral Company, Knightstown, first; E. Huckriede & Son, Indianapolis, second. Six pink—West View Floral Company, first; J. W. Bernard, Marion, second. Six yellow—West View Floral Company, first; Bauer & Smith, Indianapolis, second. Six, any other color—West View Floral Company, first; G. Teilmann, Marion, second. Twenty-five blooms, one variety—G. Teilmann, Marion, first; J. W. Barnard, Marion, second. Six blooms, six varieties—H. W. Rieman, first. Ten blooms, 10 varieties—H. W. Rieman, first; J. W. Barnard, Marion, second. Twenty-five blooms in variety—H. W. Rieman, first; Bauer & Smith, second. Twenty-five, any other color—J. W. Barnard, first; Bauer & Smith, second.

SPECIAL MENTION.

Collection of seedling chrysanthemums—H. W. Rieman. Orchids, chrysanthemums and gourd display—Bertermann Bros. Floral Company. Vase pompon chrysanthemums—John Hartze. Seedling carnation Elma—Bauer & Smith. Display of roses—South Park Floral Company, New Castle, Ind.





View across the stairway.
View on the landing.
The Philadelphia Exhibition.

first. Six blooms, William H. Lincoln—E. Huckriede & Son, first.

ROSES.

Ten white—W. W. Coles, first; West View Floral Company, second. Ten pink—W. W. Coles, first; H. W. Rieman, second. Ten, any other color—W. W. Coles, first; H. W. Rieman, second. Best vase of roses, not more than 25, arrangement considered—W. W. Coles.

CARNATIONS.

Twenty-five white—J. W. Barnard, first; H. W. Rieman, second. Twenty-five pink—W. W. Coles, first; J. W. Barnard, second. Twenty-five red—J. W. Barnard, first; Bauer & Smith, second. Twenty-five, any other color—J. W. Barnard, first; Bauer & Smith, second.

SPECIAL MENTION.

Collection of seedling chrysanthemums—H. W. Rieman. Orchids, chrysanthemums and gourd display—Bertermann Bros. Floral Company. Vase pompon chrysanthemums—John Hartze. Seedling carnation Elma—Bauer & Smith. Display of roses—South Park Floral Company, New Castle, Ind.

The auction in the evening brought very good results; the prices obtained were better than usual.

A short meeting of the society was called, with Vice-President W. W. Coles in the chair. J. W. Barnard and Fred. Herlemann, of Marion, were elected members. Invitations from Wm. Langstaff, City; Mrs. Graves, Richmond, and Herbert Heller, Newcastle, were received and the same thankfully accepted. A suggestion that the next Legislature be asked for a $1,000 appropriation for the use of the association to continue the big chrysanthemum shows was doubtfully received; it is hardly possible that it could be accomplished. Among the visitors from out of town were J. A. E. Haugh, Anderson; Herbert Heller, Newcastle; Chas. Knopf, Richmond; W. W. Coles, Kokomo; E. C. Bissel, J. W. Barnard and F. Herlemann, Marion.

W. B.

THE MONTREAL SHOW.

The thirteenth annual chrysanthemum show held under the auspices of the Montreal Gardeners and Florists' Club, was, like its predecessors, a splendid success from a horticultural standpoint, and a financial failure, the door receipts being under $200. The wretched weather prevailing throughout was no doubt in a large measure responsible.

The arrangement of the hall was good, although the general effect was not so fine as a large pyramid in the center gave to a former exhibition. The appearance of the specimen blooms, too, would have been greatly enhanced had lower tables been used.

The specimen palms and ferns, scattered around near the entrance, gave a very good first impression. Two very pretty mantels were put up. The first prize winner, by Wilshire Bros., was a handsome arrangement, in which a large quantity of Liberty roses were used. This rose was throughout the show one of its most admired features. The second one, by Joseph Bennett, a very pretty and inexpensive arrangement of green, with a few yellow chrysanthemums, was much admired for its very simplicity. The funeral designs, with the exception of a very pretty arrangement by McKenna & Sons, were on the old lines, but were all very fine pieces of work.

Following a discussion on the appropriateness of funeral designs in the main hall of the exhibition, your correspondent took a position for half an hour, where comments of visitors on this section could be heard. No written record was taken, but trying to be on the safe side, about 30 per cent. made no comments whatever, about another 30 per cent. made some trifling remark of appreciation, such as "how pretty," or "what nice flowers;" probably 25 per cent. made disparaging remarks of varying degrees; certainly, not more than 15 per cent. made any close examination, or seemed to thoroughly appreciate the display.

The section where the judges were called on to do the most careful work was that for 12 specimen blooms of chrysanthemums, and even after calling in two extra judges, it took half an hour to decide between W. J. Wilshire and Tom McHugh's collections. Finally, the cup was awarded to W. J. Wilshire by one-half a point. It is but fair to say that McHugh's blooms were considerably damaged by rough handling while in charge of the express company. Considering that the winning flowers were grown in the city, and in a position completely overshadowed by big shade trees, Mr. Wilshire's success is phenomenal. The winning collection contained three of the new varieties that have a future. Colonel Appleton was, no doubt, the finest incurved yellow in the hall, surpassing even that grand old favorite, Minerva. Intensity, grown to a terminal, is without a peer in its color. Mrs. F. A. Constable (white Iora) is a valuable addition to its particular section. The balance of the exhibit was the old favorites, of which Morel, Iora, Mme. Carnot, and Minerva were superb. The second 12, also, had the above, with the addition of G. J. Warren, (yellow Carnot). This variety, though very fine, cannot compare with Mme. Carnot for exhibition purposes. A most beautiful pink when grown from a terminal, Autumn Glory, took the first in three pink. Minerva captured the three yellow; both were grown by McHugh. Black Hawk, grown by W. Horobin, was first for crimson.

In the class for specimen plants, the Challenge vase fell to C. A. Smith, with Mrs. Weeks, Mrs. Perrin, White Ivory, Pink Ivory, Harry Hurrell, and Shrimpton. George Pascoe came second with a lot of plants that were, to a casual observer, absolutely perfect; but which on the judges' scrutiny fell off on size of bloom, size of plant, and foliage. Mr. Pascoe was the recipient of many congratulations on the splendid success he had attained, with the very limited means at his disposal. George Robinson came third, with a lot of plants that would have been looked at here in amazement a few years ago.

The plants in 6-inch pots were of inferior quality, as compared with former

years, and the single stem flowers, "5-inch," were plants in name only.

The collections of small ferns were far ahead of former years, and the pans of mixed ferns were a most instructive and interesting feature. In this section Wilshire Bros. came first, with a tastefully arranged pan, in which only iron-clad varieties were used. Overcrowding was the cause of failure in the majority of the entries in this section. A large table of orchids contributed from the collections of Sir W. C. Van Horne (Fred C. Smith, gardener), and R. B. Angus, Esq., (W. Wilshire, gardener), came in for the usual amount of praise.

A growing basket of Begonia Gloire de Lorraine, and several fine plants in pots, were shown by Fred C. Smith, who also put up the most artistic group in the show. All the other groups contained splendid stock, but it was overcrowded. Tom McHugh exhibited three plants of gesneras, grown in his usual style, for which he was awarded a certificate of merit. This plant is a beautiful species, for a private conservatory; but judging from the specimens exhibited it will not stand sufficiently rough treatment to be of commercial value. Several fine plants of Acalypha Saaderi were shown. This subject here has proved an eatire commercial failure; so far as is known, not a plant has been sold, and florists are throwing their stock away as useless.

Exhibits of roses and carnations were the poorest on record. An unprecedented number (5) of certificates of merit were given: one, to George Pascoe, for best specimen plants in 10-inch pots; one to George Pascoe, for special specimen chrysanthemum plants; one to Tom McHugh, for best bloom in the show; one to Fred Smith, for basket of Gloire de Lorraine; one for five plants of gesaera, to Tom McHugh.

The judging on the whole, gave excellent satisfaction. The judges were all local men, and their work was, throughout, of the most thorough and conscientious description. B.

THE ST. LOUIS SHOW.

The tenth annual exhibition is now a thing of the past. From a financial standpoint we are at preseat uaable to say how successful it has turned out Certain it is that it will not prove very profitable, and may disclose a deficit. The show was not nearly as large as in the last few years on account of many of our growers refusing to put up a display. This was caused by our inability to pay premiums in full, the past three years.

The exhibition was held in the naves of our Exposition Building, a long hall about 75 feet wide, but not continuous, so we had to go around the corners to get enough room. Consequently, the whole show could not be seen at one time, which detracted from the general effect, and the hall was not wide enough for artistic arrangement. Still, we had a very presentable show, as many of our visitors from other cities will, and did admit. Indeed, some who had seen the Chicago show, said that in palms and other decorative stock, we had a higher grade of plants than was there shown.

In attendance we ran a little behind that of some exhibitions of a few years back, when we made money. We would have been all right this year, had the weather been good all through the show. The press gave us liberal mentions through a regular press agent, and the exhibition was advertised about as much as usual.

Thanks to the generosity of Messrs. Caldwell, Carter, and other southern dealers, who donated a lot of smilax and pines, the hall was nicely decorated, adding greatly to the general appearance.

By the will of the late Henry Shaw, $500 was left to the St. Louis florists to be distributed at a regular flower show; indeed, this is the incentive that keeps up the St. Louis affair. These prizes were all well contested for, as they have to be paid in full, thus showing that we can make a good display when money is in sight. The premiums awarded were as follows: For best display of palms, not less than 12 varieties, William Schray & Sons, first; Carl Beyer, second; Michel Plant and Bulb Co., third. Best and largest display of named begonias; Schray, first; Michel, second. Best and largest display of named ferns, Michel, first; Schray, second. Best and largest display of named foliage plants, with variegated leaves, Schray, first; Beyer, second; Michel, third. Best 25 blooming house plants, Schray, first; F. J. Fillmore, second; Sanders' Nursery, third. Best 12 geraniums, named and in bloom, Fillmore, first; George Windler, second. Best and most tastefully arranged fernery, 12 inch, Michel, first; Sanders, second; Schray, third. Best pair climbing plants, Schray, first; Beyer, second. Best pair Asparagus Sprengerli, Beyer, first; Schray, second; Fillmore, third. Best pair Nephrolepis bostoniensis, Sanders, first; Michel, second; Schray, third. Best and largest collection of hardy evergreens, and evergreen shrubs, Sanders, first; Theo. Miller, second. Best araucaria, Fillmore, first; Beyer, second; Schray, third. Areca lutescens, Beyer, first; Sanders, second; Schray, third; Howea Belmoreana, Beyer, first; Schray, second; Sanders, third; Howea Forsteriana, Beyer, first; Sanders, second; Schray, third; Livistona chinensis, Beyer, first; Sanders, second; Schray, third; Pandanus utilis, Beyer, first; Schray, second; Fillmore, third; 12 named cyclamen, Schray.

The display of specimen chrysanthemum plants was very limited, most of them being made up plants, still they made a very good showing, everything considered. Prizes were awarded as follows: Pink, Beyer, first; Windler, second; Schray, third; white, same exhibitors; yellow, Schray, first; Beyer, second; Windler, third; any other color, Beyer, first; Windler, second; Schray, third.

In specimen plants, grown to one flower, Carl Beyer took all the prizes, except one, and in this class he did not enter. The public missed a good display of these, as they are always popular; but the plants were not grown this year. For best specimen pink and white, Beyer was first. Pair specimen palms, Schray, first; Boston fern, Sanders, first; specimen fern, Beyer, first. Twenty-five carnation plants in bloom, Fillmore, first; Schray, second; best palm, Schray, first.

In cut chrysanthemum blooms, Nathan Smith & Son, Adrian, Mich., W. J. & M. S. Vesey, of Fort Wayne, Ind., and the E. G. Hill Co., of Richmond, Ind., helped out the show wonderfully; without their exhibits the display would have been a rather slim one. In this class, the awards were: Best 48 blooms, six of a kind, Smith & Son, first, with Mayflower, Rustique, Modesto, Lady Hanham, Mrs. T. L. Park, Idavan, Mrs. M. A. Ryerson, and Chito. Hill & Co., second, with Nyanza, Mrs. Perrin, H. Bloodgood, Calvat, 1899, Lord Cramer, W. H. Lincoln, M. A. Ryerson and Queen of Portugal; Sanders, third, with standard kinds.

In the class for 25 white, Smith & Son were first, with a vase of Merza, that was exceptionally fine; Vesey, second, with Mrs. Robinson; Hill, third, with the new French variety, Prince Bassaraba. This latter we think should have taken second prize, as it is a very large and fine white, on the order of Morel. This is the first time it has been exhibited, and from the few plants Hill had, the variety must be a very uniform and strong grower. We think it will be heard from next year. For 50 blooms quality and arrangement to be equally considered, Vesey was first; with a splendid vase of Major Bonnaffon; Hill, second, with Mrs. Ritson. The special prizes for 25 white and pink, respectively, were awarded to Smith & Son, with Glessner and Morel.

For 25 blooms, pink, one variety, Hill was first; George M. Kellogg, Pleasant Hill, Mo., second.

For best 50 blooms Smith, first; Vesey, second; 25 yellow, Sanders, first; vase of blooms, not less than 12 kinds, Vesey, first.

The Shaw prizes for cut chrysanthemums were won as follows: Twelve blooms, Mayflower, Vesey, first; G. Teilmann, Marion, Ind., second; Sanders, third. Twelve blooms, Major Bonnaffon, Teilmann, first; Vesey, second; Sanders, third. Twelve, any other yellow, Vesey, first, with Sunderbruch; Teilmann, second, with Daly; Sanders, third, with Golden Wedding. Twelve, any other white variety, Vesey, first, with Mrs. Robinson; Michel, second, with F. Pullmann; Sanders, third, with Jerome Jones. Twelve pink, Teilmann, first, with Bloodgood; Sanders, second, with Murdock; Michel, third, with Mrs. Perrin. Twelve blooms of a variety introduced in 98-99, or 1900, West End Floral Park, of Belleville, Ill., first, with Pride of Belleville. This is a good sized reflexed, nicely built flower, creamy white in color, and was raised by Henry Emmons, of Belleville, Ill. Second prize was won by Michel with Liberty; third, by Teilmann, with white Bonnaffon. This latter is a very beautiful pure white, but is almost too small to take a place of prominence, in our estimation. In the cut rose classes, for 25 Souv. de Wootton, Sanders, was first; 25 Bridesmaid, Vesey, first; 25 Bride, Fred Ammann, Edwardsville, Ill., first; Vesey, second; 10 Beauty, Ammann, first; Kellogg, second; 25 Perle des Jardins, Ammann, first; Fillmore, second; Sanders, third; 25 Meteor, Vesey, first; Kellogg, second. 25 Kaiserin, W. W. Coles, Kokomo, Ind., first; Kellogg, second; Vesey, third.

Prize takers in the carnation classes were: Fifty Ethel Crocker, Vesey, 50 Daybreak, Schray; 50 variegated, Vesey, with Bradt; 50 white, Vesey, first, with a magnificent vase of Mary Wood, Hill, second, with Flora Hill; Fillmore, third, with same variety. Best vase pink, Vesey, first, with Lawson, extra fine; Ammann, second, with Scott. Best vase red, Vesey, first, with Jubilee.

The premium for best collection of double violets, was won by John Steidle, of Central, Mo., and for best vase mignonette, by Schray.

Considerable dissatisfaction was caused by poor judging, though the men selected were supposed to be competent. We know of several decisions that were really rank, and which caused lots of unfavorable comment, both in the plant and cut flower classes.

The club certainly has one staunch lady friend. Besides giving a handsome prize, she insisted on presenting the club with an additional check for $20 towards the expenses. Words of ours fail to express our gratitude and admiration for this lady.

Hill & Co. placed on exhibition the new roses, Queen of Edgeley and Marquis de Litta. Each of these called forth much favorable comment. The red one, we think, is especially valuable.

C. C. S.



Chrysanthemum indicum; Yellow Flowers.

(The original type from which the Florists' Chrysanthemums have been obtained; now blooming at Kew for the first time in Europe.) See Text page 1125.

Reproduced from *Gardeners' Chronicle*, London.

PROVIDENCE (R. I.) SHOW.

The annual exhibition of the Rhode Island Horticultural Society was held in Tillinghast's Hall, Wednesday, Thursday and Friday of last week. The quality of the flowers was far superior to that of last year. The best blooms were shown by John Barr, gardener for Mrs. B. B. Cheney, of Wellesley, Mass., who, with a few exceptions, captured all the first prizes. His collection was as fine as any ever exhibited. The honors for cut blooms were about equally divided between him and F. MacRae.

The displays of carnations and roses were by no means over-shadowed by the chrysanthemums, although the latter were by far the most conspicuous. S. J. Reuter, of Westerly, R. I., and John MacRae, exhibited the largest number of carnations. The seedling, Bean Ideal, grown and staged by N. D. Pierce, of Norwood, was awarded a certificate of merit for the best pink, lighter than Scott; and a silver medal for the best seedling. It has to its credit, up to date, four certificates of merit, with two silver medals, and it is quite worthy of all the honors bestowed upon it. It is a large, handsome flower, with strong stem, and is an excellent keeper.

S. J. Reuter's exhibit consisted of Lawson, Olympia, Crawford, Morning Glory, Joost, Victor, Daybreak, Flora Hill, Mary Wood, Elm City, Bradt, and, for red, Dexter Pierce and G. H. Crane; also The Marquis and a sport from Flora Hill, a beautifully mottled pink.

Mr. Reuter also exhibited an unusually fine lot of roses, on which he took most of the first prizes, among the best flowers being Bridemaid, Bride, Bon Silene, Sunrise, and some of the finest Liberty shown about here this season.

R. Craig & Son, Philadelphia, exhibited the new rose, Queen of Edgely, in charge of W. Craig. It was awarded a certificate of merit. William Hill took first prize for best potted chrysanthemums; E. J. Johnston capturing first for best arranged group of foliage plants.

There was the usual large exhibit of fruit, and a new feature was that of canned fruits.

Financially these shows are not successes. This year, a number of charitable institutions visited us in a body, but it seems impossible to interest the general public. A. M.

CATALOGUES RECEIVED.

S. T. DANLEY, Macomb, Ill.—Wholesale Price List of Rooted Cuttings and Pot Plants.

DAMMANN & Co., San Giovanni a Teduccio, near Naples, Italy.—General Catalogue of Seeds, Plants, Bulbs, etc.

ROUSTAN, SERVAN & Co., St. Remy de Provence, France.—Catologue of Seeds, etc.

TOBACCO STEMS
"Good Strong Kind."
60 CTS. PER 100 LBS.
BALES WEIGH 500 LBS.
TOBACCO DUST
"THE BLACK STUFF."
Fine or Coarse to Your Order.
50 to 1000 lbs., 2 cents per pound.
H. A. STOOTHOFF,
118 WEST STREET, NEW YORK CITY.
Mention this paper.

New York.

The Market.

This has been a week of disappointment to cut flower dealers. The brisk demand and curtailment of supply chronicled last week, proved of short duration, and we are again in the midst of a very slow market. The Horse Show no longer makes any impression on the flower business of the city, except by creating a little spurt for violets; and this is only felt on the opening days of the show. The inflated value placed on these flowers for the occasion, resulted in the retailers turning them down after the first day; consequently instead of maintaining the $2 and $2.50 mark, they have, the middle of this week, been going begging at from 75c. to $1.50, except for a few of special grade, which have brought $2. Last Saturday a limited quantity of violets touched the $3 mark, and those have no doubt been responsibile for a good many hundreds being turned down since then.

Roses are coming in more abundantly than they were, but about half of the supply is soft and too far open. These are hard to dispose of, and have to be sacrificed. A limited number of special Beauty have brought 40c. each, but the general price for this grade has been about $3.50 per dozen. Special Bride and Bridemaid are bringing 8c. and 10c., extras and lower grades are not doing so well, proportionately, owing to the greater supply. Carnot and Liberty, when first class, are fetching good figures; the former have realized $2 per dozen, while the latter brings from 15c. each, down, according to quality.

Chrysanthemums are very plentiful, and there is no marked change in values. The proportion of fancy blooms seems to be much larger than has been the case in other seasons. Yellow varieties move the slowest; the best demand at present being for the large pink kinds. Some very elegant blooms of Maud Dean are now to be had.

Cypripediums are becoming quite plentiful, but there is no particular rush after them as yet. Cattleyas are a little short in supply; not many are needed, however, and no advance in price is noted.

Harrisii lilies are in, and meeting with fair demand. Paper White narcissus also is arriving, but does not move so easily, fetching anywhere from $2 to $3 per hundred. Carnations are plentiful and move very slowly; prices have dropped considerably, and the general tone of the carnation market is unsatisfactory.

Jottings.

Gus. Bergmann, salesman for John Young, is again able to be out, after a long serious illness.

Some elegant plants of Begonia Gloire de Lorraine, grown by C. W. Ward, are on view at John Young's store.

Nice blooms of the new pink carnation, Sir Thomas Lipton, grown by H. B. McKnight, were seen in G. E. Bradshaw's this week. This is a medium sized flower of a rose pink color.

A special meeting of the New York Florists' Club will be held on Monday evening, November 26, in the rooms, corner 27th Street and Broadway, at 8 o'clock. The Plan and Scope Committee will meet in the rooms one hour earlier. All members are requested to attend the special meeting, as business of urgent importance connected with the proposed flower show will be up for consideration.

Felix Bridges has opened a store at 951 Park Avenue.

L. J. Kreshover obtained a judgment against Albert Girard, wire frame maker, Staten Island, on Friday, November 16, for $499.73, and costs.

Mr. Kreshover has opened a branch store at 173 Greenwich, under the firm name of L. J. Kreshover & Co.

E. G. Hill, Richmond, Ind., and Robert Craig, Philadelphia, Pa., were in town Saturday last, attending a meeting of the American Rose Society, looking to the March show.

Signs of Christmas.

C. H. Joosten has just received a lot of holly trees from Holland, for the Christmas trade. These are in fine condition, with nice foliage, and well berried.

The New York Market Florists' Association met Thursday night last and affixed their signatures to a petition that ex-Judge Lynn had prepared to be submitted to the Board of Apportionment. The petition calls for a three or four-story building to be erected on the site of the Clinton market; and will also be signed by the property owners in the neighborhood, as well as by those of the florists in the city who can be seen. President Lehnig appointed committees to canvass the trade for signatures. The Association also decided to secure a suitable room for headquarters, and to hold regular meetings on the first Tuesday of every month. Membership dues were fixed at $3 per year, and all present helped to swell the treasury by paying their dues in advance. The secretary will notify all the members of the place and time of the next meeting.

Philadelphia.

Trade Notes.

All the retail stores are doing good business. Transient trade has been very satisfactory, and still keeps up. The supply of cut flowers is just about right to keep the market good and healthy. Roses are a little scarce, but other flowers are in plentiful supply. First-class chrysanthemums are still selling at from $2 to $3 per dozen. The market is overstocked with cheap grades. All the growers are now rushing in pot plants; many of these are cut down and the flowers sold to the street men.

Pink carnations are in brisk demand for Saturday. President McKinley will be in this city on that day to attend the annual banquet at the Union League, and from present indications several thousands of pink carnations will be used.

From present advices the Winter season will be a good one. During the past two weeks many large balls have been arranged for, and the number of these events seems likely to eclipse that of last season.

Pennsylvania Horticultural Society.

The regular meeting of the Pennsylvania Horticultural Society was held on Tuesday last, and consisted entirely of routine business, pertaining to the late show, and nominations of officers for 1901. The old officers are all renominated. The only contests are for vice-presidents, there being seven nominees for four appointments, and for executive council there are twelve nominees, seven to be elected.

The show held last week was the best in many years, both as regards the general satisfaction of the exhibitors, and financially, there is a nice, healthy surplus, above premiums awarded, and expenses. Not in years was such good weather known during the annual exhibition; it was clear and cool. The good condition of all plants and flowers at the close of the exhibition was a surprise to many, the more so when one takes into consideration the unusual warm weather which prevailed for three weeks previous. It is not possible to enumerate all the exhibits as to keeping qualities, but a few of the new things might be of interest.

New rose, Marquise de Litta, shown by E. G. Hill & Co. The flowers were cut on November 11, and not a petal had fallen November 17. The blooms were 36 hours packed in a box coming here. New rose, Queen of Edgely, shown by the Floral Exchange, kept well. Fresh flowers were brought in daily, but the old ones were retained and cards put on stating "five days," "four days," old, etc. New rose, Robert Scott (Robert Scott & Son), also proved a splendid keeper. On Friday a new lot of flowers was brought in, but as the old ones were so good, another vase was made up with the fresh blooms. The ones staged on Wednesday were good Saturday night.

The new chrysanthemum, Timothy Eaton (Miller & Sons), proved a spendid keeper. The flowers were cut November 11, and after being on exhibition all week, were kept, and examined on Monday, the 19th, by the National Chrysanthemum Committee, being still in first-class shape, and I am able to say that to-day, the 22nd, 10 blooms out of 12, have not dropped a petal.

The feature of the show for Thursday was the floral arrangements; but none materialized, beyond a few plateaus, handle baskets, and one table decoration. The retail florists will no longer compete. Everyone wants first prize, and some other method will no doubt have to be resorted to in this line.

Jottings.

Charles B. Stahl has a new wagon. In addition to his increased facilities for handling cut flowers he now sends out a price list announcing the fact that he is also prepared to fill orders for some of the staple lines of florists' supplies.

Julius Kohler & Son had a bad fire at their greenhouses out in Frankford, on Saturday morning, last. A large shed over the boilers, caught fire, and was entirely destroyed, with contents, including a new wagon. The ends of five houses adjoining the shed were burnt out, much stock being ruined, and glass broken.

Chrysanthemum Peter Kay was labeled Peter Quay at the late show. Pennsylvania stands solid yet.

Additional prizes awarded at the Philadelphia show were a certificate of merit to a light pink carnation named Dorothy, grown by Mrs. Emma Graves, Richmond, Ind., and staged by E. G. Hill & Co.

J. L. Dillon, Bloomsburg, Pa., showed a large bunch of the new white carnation, Queen Louise. R. Witterstaetter, Sedamsville, Ohio, had a vase of Enquirer, for exhibition purposes only.

DAVID RUST.

Thanks to Secretary Rust.

At the Pennsylvania Horticultural Society meeting, Tuesday night, a special vote of thanks was tendered Secretary David Rust, for efficient service during the past exhibition, the mover of the resolution stating that the grand success of the show was due to Mr. Rust's energetic work for the Society. There is a balance of $355 above expenses and prizes awarded—the best showing in many years.

GENEVIEVE LORD

The greatest money getting PINK CARNATION ever introduced; a descendant of Wm. Scott, but its superior in every way. A big claim; if you don't believe it, come and see it. Please note change in price of rooted cuttings for January 1st. delivery and after: $6.00 per 100; $50.00 per 1000. Booking orders now. Deliver any time you say after January 1st, 1901.

CHRYSANTHEMUMS STOCK PLANTS. New and old varieties. Write for prices.

H. WEBER & SONS Oakland, Md.

Mention the Florists' Exchange when writing.

Carnation No. 666. Our record-breaking Carnation, hitherto known under No. 666, has been named by us

PROSPERITY.

For full particulars as to prices, etc., address DAILLEDOUZE BROS., Flatbush, N.Y.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Stock plants, at $1.00 per doz., from bench or or 6 inch pots.

Major Bonnaffon, Gloire de Pacific, Mme. Bergmann, J. S. Kolb, Mrs. Robinson, Yellow Robinson, Modesto, Jennie Falkner and Maylower.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

CARNATIONS In A No. 1 Shape.

Eldorado, Dana, Evanston, Portia, Scott, at $3.00 per 100. Booking orders for cuttings of Lawson, Crocker, Lord, Marquis, Olympia, Estelle, Elm City, at 25 Per Cent. Discount until December 1st.

DANA R. HERRON, Olean, N. Y.

Mention the Florists' Exchange when writing.

TO EXCHANGE!

Scott and Daybreak Carnations,

FIELD-GROWN, FOR Dwarf Canna Roots.

JOHN & WESLEY LEACH,

1010 De Bevoise Ave., L. I. City, N. Y.

Mention the Florists' Exchange when writing.

ROSES—ROSES—ROSES

If you want anything in hybrid roses for forcing, write us for prices. Christmas Holly, finest in the market. $3.00 per case. Areca Lutescens, Cocos Weddelliana, 3 inch pots, ready to shift, $13.00 per 100.

Brookdale Nursery Co., P.O Box, 39. Brookdale, N.J.

Mention the Florists' Exchange when writing.

CINERARIAS

A Superior Strain, 2¼ inch, $2.00 per 100.

CYCLAMEN PERSICUM GIGANTEUM, 4 inch, $8.00 per 100.

CHINESE PRIMULA, 4 inch, $6.00 per 100.

CALCEOLARIAS, 2¼ inch, $3.00 per 100.

CHRYSANTHEMUMS, Stock Plants. Philadelphia, Bonnaffon, Madame F. Bergmann, Glory of Pacific, Mrs H Weeks, Iora Ivory, G. W. Childs, Golden Wedding, etc., $5.00 per 100.

WHITTON & SONS, Wholesale Florists,

City and Green Streets, UTICA, N. Y.

Mention the Florists' Exchange when writing

CARNATIONS

LAST CALL.

Clean field grown plants—Eldorado, McGowan, Dana, Evanston, Scott, Bridesmaid, Kitty Clover, Portia, 3 cents each as they run. CASH.

E. A. LLEWELLYN, Olean, N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS

Rooted cuttings, that are full of roots, at reasonable prices.

Headquarters for ETHEL CROCKER.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS

Stock plants of Ivory, Bonnaffon, Mrs. Perrin, 50 cts per doz Merry Xmas, $1.00 per doz.

GERANIUMS, 2¼ inch pots..... $2.50 per 100

CUT SMILAX..... 20 cents per string.

Cash with Order.

WM KEIR, Pikesville, Md.

Mention the Florists' Exchange when writing.

CARNATIONS

WM. SWAYNE, Kennett Square, Pa.

Mention the Florists' Exchange when writing.

CARNATION PLANTS ALL SOLD.

Ready to book your orders for rooted cuttings of all the leading varieties for Spring delivery. Let me quote you prices before placing your orders.

WM. MURPHY, Wholesale Carnation Grower, Sta. F., CINCINNATI, Ohio.

Mention the Florists' Exchange when writing.

GOOD SCOTT CARNATION

plants from the field, $4 per 100; $35 per 1000.

Also some good

McGOWAN CARNATIONS

At same prices.

CHARLES E. MEEHAN, Germantown, - Phila., Pa.

Mention the Florists' Exchange when writing.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing.

CARNATIONS

F. DORNER & SONS CO., LaFayette, Ind.

Mention the Florists' Exchange when writing.

Cincinnati.

Trade News.

Since election business has taken a steady drive ahead, and the retail stores are now all more or less busy with wedding and funeral orders. Stock is readily cleared up, especially if good; but, unfortunately for both grower and wholesaler, supply of the percentage of good stock is small in comparison with that of seconds and thirds. Roses are improving in quality faster than carnations, although the crop of the latter now coming in is much better. Roman hyacinths and narcissus have made their appearance, and the outlook for good cuts Christmas is very encouraging. Violets are gaining ground, with a much better demand and improved prices. Chrysanthemums are still leading, and will probably hold their own for a few weeks yet, at least.

An Exhibition.

Saturday was first exhibition day of the Cincinnati Florists' Society, and was styled chrysanthemum day. The exhibits were very creditable, and were viewed by thousands of people. E. G. Hill & Co., of Richmond, Ind., had the best display, capturing three out of four prizes, taking first on best vase of yellow, with Lincoln; first on best 12 varieties, and the Gillett prize for best vase, any color, with Mayflower, white. J. W. Rodgers took first for best vase of pink, with Perria. George Bayer, of Toledo, O., captured the $10 prize, offered by Albert Sunderbruch, for best 25 Bonnaffon. These flowers were certainly beautiful, being well finished. R. Witterstaetter and J. W. Rodgers also had vases staged for this prize and their blooms were much above the average. George & Allan carried off the prizes for Bride, Bridesmaid and Meteor roses, and J. R. Goldman, of Middletown, O., for yellow roses.

The Floral Exchange, Philadelphia, Pa., sent their Queen of Edgely rose, which for a pink Beauty is all right, and is the best rose in its class; but it will never take the place of the American Beauty. It was awarded honorable mention. At the close of the exhibition the blooms were taken in charge by Fred Lemon of E. G. Hill & Co., who are Western agents for the originators.

Marquis de Litta is another new rose that was staged by E. G. Hill & Co., and was awarded a certificate. This rose can be called very dark pink, or light red; the stem is good, but is heavily covered with thorns, which will militate against the variety in a retail way. Possibly this can be remedied by culture.

Seedling Chrysanthemums.

Several seedling chrysanthemums were before the committee here. E. G. Hill & Co. had two—Mary Hill, which is an improved Perrin, larger than that variety, a much better built flower, and just as good in color, the bloom being more durable. This variety was originated by Henry Rieman, of Indianapolis, Ind., who sold the stock to E. G. Hill & Co. Growers will make no mistake in buying this sort. Malcolm Lamont is a deep red, broad petalled sort, and a decided acquisition to the red family. Nathan Smith & Son, Adrian, Mich., staged a yellow variety, on the order of Bonnaffon, named Mrs. Elmer Smith. The foliage is much more graceful than that of Bonnaffon, but the flower, I do not think, is any better. The parentage is Thornden × George W. Childs. H. L. Ragan, Springfield, O., staged a sport of President William R. Smith, which is a splendid bloom, and good in every way. The color is a salmon.

Witterstaetter was the only party to show carnations; these were Enquirer, Mrs. Lawson, Estelle, Elinore and No. 723a, a white. These varieties will all be seen in better shape at the December meeting.

Visitors present were Frank McGregor and H. L. Ragan of Springfield, O., and Fred Lemon, of Richmond, Ind.

News Notes.

The recent looting of the German National Bank of Newport, Ky., caused Uncle Sam to take hold of the bank. Nearly all the florists of Newport, Ky., were depositors, and John Freis was a director. It is to be hoped that arrangements will be made whereby the depositors will be paid dollar for dollar, although at this writing matters look very dark and gloomy. E. G. G.

Anderson, Ind.

Mrs. Charles Farmer, wife of the well-known florist and a resident of Anderson for 35 years, died, November 16, of heart disease. She leaves her husband and four children.

Louisville, Ky.

The demand for good cut flowers continues fairly good, and the supply is about equal to the call, with the exception of violets, which are very scarce. Chrysanthemums are plentiful and good. The demand for them does not seem as brisk as in other seasons, and the prices have not been as good as usual.

The Florists' Club having decided not to hold a show, Nanz & Neuner, and Jacob Schulz held individual exhibitions at their respective stores. Both displays were excellent.

The Floral Exchange, Philadelphia, sent a bunch of the new rose, Queen of Edgely to the local society to be exhibited. The flowers were displayed in the window of Jacob Schulz, where they attracted much attention from the public, and the florists who called to see them. The blooms arrived after their long journey, in first-class condition, and lasted the entire week, which proves the variety to be an excellent keeper. From the comments heard I think it will be a good seller.

F. Walker & Co. have leased the establishment of Ed. Morat on Third Avenue, and will run it in addition to their New Albany place.

Leo Zoeller and Miss Eva Ehret were married during the past week. Mr. Zoeller has been with Jacob Schulz for the past seven years. The congratulations of the trade are offered. J. S.

Pittsburg.

The Market.

At last we have had a touch of Winter weather, and it has helped trade to a certain extent. Stock is abundant, with prices a little higher. Roses, particularly, have advanced in value; Beauty are in good demand. Chrysanthemums are yet very plentiful; fine stock was handled the past week, at moderate prices. Violets are in requisition, with the quality much improved.

Jottings.

A. W. Smith recently disposed of a batch of potted chrysanthemums to one of our large department stores, that made a display of them, and sold them at a moderate figure.

F. Burki visited the chrysanthemum show in Chicago.

John Bader took a flying trip East to look up stock.

J. W. Ludwig is suffering from a bad cold, and has been confined to the house for several days.

No quorum was present at the November meeting of the Florists' Club.

E. C. R.

Baltimore.

The Market.

The retail trade was very good the last week, but with the returning warmer weather the general store trade has fallen off again. The colder weather shortened up the supply of roses and carnations early last week, changing the aspect of the wholesale market. At present the supply and demand seem to be well balanced again. There is a decided improvement in carnations. The later chrysanthemums are coming in very fine and the sales are satisfactory, though the average price keeps down to between 6c. and 12c. wholesale, and 15c. to 25c. retail, with very few exceptions.

T. E.

HOLLY C. E. BROWN Bridgeville, Del.

PACKER AND DEALER.

Orders now booked for dark green, well-berried Holly. Holly Wreaths and Laurel in small and car lots.

Mention the Florists' Exchange when writing.

8,000,000 HARDY CUT FERNS!



Now at 75c. per 1000. Fancy and Dagger. CHRISTMAS TREES by the carload or in small lots. SPHAGNUM MOSS, 50 cts. per bbl. BOUQUET GREEN, $5 per 100. LAUREL ROPING, 4c. per yard. Cash with all orders. Orders by mail or dispatch promptly attended to.

THOMAS COLLINS, Hinsdale, Mass.

Mention the Florists' Exchange when writing.

Holly AND **Decorative Greens**

By ordering your Holly of us, you save $3.00 on every case, as we do our own packing. Come direct from woods and prices the lowest. **Red Seal Holly**, dark green leaves, well berried, $2.75 case. **Laurel Roping**, heavy tied, 3 cts. yard. **Holly Wreaths**, on wire, $5.00 a 100. Write for special prices on large orders. Terms cash.

A. K SAVACOOL, Lewes, Del.

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SELECTED

GALAX LEAVES

No Trash.

CHAS. H. RICKSECKER, - Linville, N. C.

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Stop Walking the Floor

You won't be disappointed if you place your orders for SOUTHERN WILD SMILAX with

Caldwell the Woodsman Co., Evergreen, Alabama,

or their Agents—L. J. Kreshover, New York; J. B. Deamud Chicago; M. Bice & Co., Philadelphia; Vail Seed Co., Indianapolis. Our advice—wire your orders and go "sleep in peace." N. B.—We also sell some HOLLY.

Mention the Florists' Exchange when writing.

PREPARED TROPICAL PALMS AND CYCAS LEAVES

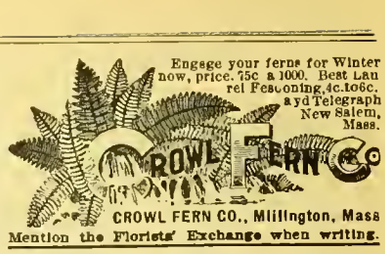


Send for Catalogue.

OSTERTAG BROS., Florists,

Washington and Jefferson Aves., ST. LOUIS, MO.

Mention the Florists' Exchange when writing.



Engage your ferns for Winter now, price, 75c a 1000. Best Laurel Festooning, 4c. to 6c. a yd. Telegraph New Salem, Mass.

CROWL FERN CO., Millington, Mass

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PALM LEAVES

Fresh Green, Long Stems.

Extra large, $6 per 1000

Large size... 5 "

Medium..... 4 "

Cash with order, please.

FLORIDA NATURAL PRODUCTS CO.,

P. O. Drawer, 623.

Jacksonville, Fla., U.S.A.

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Delaware HOLLY

Of the best grade, from the swamps, with bright green foliage and well berried. Orders will now be received for shipments, which will go forward freshly packed, at the proper time. For prices and terms address

ALEX. PULLEN, Milford Nurseries, Milford, Del.

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FANCY DAGGER

HARDY CUT FERNS

In 1000 lots, 75c. per M. Discount on larger orders. Also dealer in Sphagnum Moss, Bouquet Green, Christmas Trees, etc., etc.

L. B. BRAGUE, Hinsdale, Mass.

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GALAX LEAVES For latest prices green and bronze Galax Leaves and Leucothoe, address the introducer,

HARLAN P. KELSEY, Tremont Bldg., BOSTON, MASS.

Mention the Florists' Exchange when writing.

Wild Smilax Is Now Arriving. Write for Prices.

Galax Leaves Brilliant Bronze or Green, $1.50 per 1000.

FANCY FERN, DAGGER FERN, Etc., at Market Prices

Telephone, 798 Madison Sq. HARRY A. BUNYARD, 38 W. 28th St., New York.

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SPECIAL FOR THANKSGIVING

We Offer for $5 { 1000 HAROY CUT FERNS, 1000 FANCY CUT FERNS, 1000 BRONZE GALAX } A No. 1 Stock. | 1000 GREEN GALAX And 1 bundle BRANCH LAUREL

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WHERE TO BUY HOLLY

Place your order with PULLEN. Place it with the very best grade of bright green foliage, well berried, fresh from the swamps.

Holly Wreaths. Only first-class materials used—fresh green leaves plentifully clustered with berries. In ordering be sure and state sizes wanted and number of berry clusters desired on each. Goods shipped at proper time or on your order, carefully packed. Prices are most reasonably low.

Nursery Stock. All varieties of fruit—Peach, Pear, Apple, Plum, Cherry, Apricot, Quince—every one warranted true to name. Have an extra fine block of Japanese Plum.

Plants. Can furnish anything you wish in plants.

"Goods are the best. Prices are low.

Write for Particulars. W. W. PULLEN, Nurseryman and Fruit Grower, MILFORD, Del.

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Wholesale Commission Dealer in
CUT FLOWERS
106 W. 28th Street, New York.
Orders by mail or telegraph promptly attended to. Telephone, 167 Madison Square.
Fine ROSES and CARNATIONS, Specialties

HEADQUARTERS FOR NOVELTIES
Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
ORCHIDS A SPECIALTY.
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Wholesale Commission Dealer in
CUT FLOWERS
408 E. 34th St, NEW YORK CITY.
Cut Flower Exchange.
Telephone Call, 299 Madison Square.

YOUNG & NUGENT, WHOLESALE FLORISTS
42 West 28th Street, New York.
SUPERB ORCHIDS, VIOLETS and VALLEY.
Choice Roses and Carnations, all leading varieties, also rare novelties.
SHIPPING A SPECIALTY. PRICE LIST ON APPLICATION.
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BROOKLYN FLORISTS WANT BEST FLOWERS.
They Buy Stock from A. H. LANGJAHR, Wholesale and Commission Florist. Telephone 939 Main,
19 BOERUM PLACE, BROOKLYN, N. Y.
Consignments Wanted, Especially Good Roses.

Growers Attention! "Always Ready to Receive Fine Stock."
WILLIAM H GUNTHER,
30 WEST 29th SRTEET, - - NEW YORK.
VIOLETS. ROSES. CARNATIONS. ORCHIDS.
ESTABLISHED 1888.

THE BUSY STORE
IS
J. K. ALLEN'S
Wholesale Commission Dealer
Telephone 167 Madison Square
106 West 28th St., NEW YORK
SPECIALTIES
Beauties, Brides, 'Maids, Violets, Valley, Carnations, Chrysanthemums, Lilies and all Bulbous Flowers.
ALWAYS ROOM FOR GOOD STOCK
Strict Attention to Business
CONSIGNMENTS SOLICITED
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ROSES VIOLETS
BLAUVELT BROTHERS
Wholesale Florists
49 West 29th St. New York
Telephone, 2209 Madison Square.
Consignments Solicited.
SWEET PEAS CARNATIONS

Established 1891.
'Phone 1239 Madison Square.
G. E. BRADSHAW,
Wholesale Commission Florist,
Choice Cut Flowers,
53 WEST 28th STREET, - NEW YORK.
Bet. B'way and 6th Ave.

CUT FLOWER EXCHANGE
404-412 E. 34th St., N. Y., near Ferry.
Open every Morning at 6 o'clock for the Sale of Cut Flowers.
This is not a commission house; the market consists of individual stands.
Wall Space for Advertising Purposes to Rent.
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Wholesale Commission Florist.
Consignments of first-class stock solicited.
Orders by mail or telegraph receive the best of attention. PHONE 1758 Madison Sq.

MICHAEL A. HART
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44 W. 28th Street, NEW YORK.
Specialties—All kinds of
ROSES, VIOLETS AND CARNATIONS.
Tel., 325 Madison Sq. Consignors Solicited.

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Wholesale Commission Florists,
108 LIVINGSTON ST.,
Consignments Solicited. BROOKLYN, N. Y.
Telephone 1725 MAIN.
Mention the Florists' Exchange when writing.

W. GHORMLEY,
WHOLESALE COMMISSION FLORIST,
SPECIAL ATTENTION GIVEN TO SHIPPING ORDERS.
Consignments of Novelties and all Seasonable Flowers Solicited, and Returns Made Weekly.
57 West 28th Street, Telephone 2200 Madison Sq. NEW YORK.

Wholesale Prices of Cut Flowers, New York, November 23, 1900.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. Beauty, fancy—special	25.00 to 30.00
	" extra	15.00 to 20.00
	" No. 1	8.00 to 10.00
	" Culls & ordinary	4.00 to 6.00
	Bride, 'Maid, fancy—spec'l	6.00 to 8.00
	" extra	4.00 to 5.00
	" No. 1	3.00 to 4.00
	" No. 2	1.50 to 3.00
	K. A. Victoria	3.00 to 8.00
	La France	1.00 to 3.00
	Liberty	4.00 to 15.00
	Meteor	4.00 to 10.00
	Papa Gontier	..... to .....
	Perle	2.00 to 8.00
Adiantum		.50 to .75
Asparagus		25.00 to 35.00
Asters		..... to .....
Callas		8.00 to 10.00
Chrysanthemums		3.00 to 10.00
	" fancy	12.00 to 25.00
Daisies		.50 to .75
Gladiolus		..... to .....

Carnations	Inf'r grades, all colors	.50 to .75
	Standard Varieties: White	.50 to 1.00
	Pink	.50 to 1.00
	Red	.50 to 1.00
	Yel. & Var.	.50 to 1.00
	*Fancy—(*The highest grades of standard var.): White	1.50 to 2.00
	Pink	1.50 to 4.00
	Red	1.50 to 2.00
	Yel. & Var.	1.50 to 2.00
	Novelties	4.00 to 6.00
Lilies		12.00 to 15.00
Lily of the Valley		2.50 to 4.00
Mignonette—ordinary		2.00 to 4.00
	" fancy	6.00 to 10.00
Orchids—		
	Cattleyas	35.00 to 50.00
	Cypripediums	..... to 12.00
	Dendrobium formoeum	15.00 to 25.00
Smilax		8.00 to 10.00
Tuberoses		..... to .....
Violets—ordinary		.75 to 1.50
	" fancy	1.50 to 2.00

WALTER F. SHERIDAN,
Wholesale Commission Dealer in
CUT FLOWERS
39 West 28th Street, New York.
Receiving Extra Quality AM. BEAUTIES and all other varieties of Roses.
TELEPHONE, 902 MADISON SQUARE. CARNATIONS.

JULIUS LANG,
Wholesale Florist
53 WEST 30th ST.,
Consignments Solicited. NEW YORK.
TELEPHONE 280 MADISON SQ.

S. J. LIMPRECHT,
Wholesale Commission Florist
AND FLORISTS' SUPPLIES.
Also all kinds of Greens for Decorations.
119 WEST 30th ST., NEW YORK.
Consignments Solicited. Tel. 1438 Madison Sq.

We have a fine grade of everything in market at present.
Send us a Trial Order and we will do the rest.
EDW. C. HORAN,
47 West 28th Street,
Telephone, 421 Madison Sq. NEW YORK.
CUT FLOWERS AT WHOLESALE.
Receiving Daily Fine
PRES. CARNOT
KAISERINS,
METEORS,
BEAUTIES,
Etc.
Mention the Florists' Exchange when writing.

MOORE, HENTZ & NASH,
WHOLESALE
Commission Florists,
Located in Salesroom of the New York Cut Flower Co.
119-121 W. 23d St., New York.
Telephone 733 18th St.

THE NEW YORK CUT FLOWER CO.
119-121 West 23d St.,
112-114 West 24th St.,
Telephone, 783—18th. NEW YORK.
CONSIGNMENTS SOLICITED.
Special Attention Given to Shipping Orders.

CARNATIONS ROSES
John I. Raynor,
49 West 28th St.,
Telephone 1995 Madison Square. New York.
VIOLETS VALLEY

THE VIOLET SPECIALIST,
GEORGE SALTFORD,
at 50 West 29th St., New York,
Devotes his whole time to selling VIOLETS
Fair dealing and prompt payments guaranteed

FRANK H. TRAENDLY. CHARLES SCHENCK.
TRAENDLY & SCHENCK,
WHOLESALE FLORISTS
and CUT FLOWER EXCHANGE.
38 W. 28th St., New York.
Telephones, 798 and 799 Madison Sq.
Consignments Solicited.

JOHN YOUNG,
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51 West 28th St., New York.
CYCAS PALM LEAVES always on hand.
Mention the Florists' Exchange when writing.

WM. J. BAKER,
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DUMONT & CO.,
WHOLESALE FLORISTS
CARNATIONS A SPECIALTY.
No. 1305 Filbert St., Philadelphia.
'PHONE, 3922 D.

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Wholesale Florist,
36 South 16th St., Phila., Pa.
Consignments of First-class
Roses, Carnations and Violets Solicited.
Telephone connection.

GEO. M. MOSS,
Wholesale Florist
32 South 17th St., PHILADELPHIA, PA.
Long Distance 'Phone, 1430 D.
Consignments of choice ROSES, CARNATIONS, VIOLETS, solicited.
Fine VALLEY in stock at all times.

LEO NIESSEN,
Wholesale Florist
N. W. Cor. 18th and Filbert Sts.
Long Distance 'Phone 3-45-94 D. Philadelphia.
Consignments of Choice Valley and Roses Solicited.

EDWARD REID,
Wholesale Florist
1526 Ranstead St., PHILADELPHIA,
Bet. Market and Chestnut Sts.
CHOICEST STOCK ALWAYS ON HAND.
TELEPHONE 1-42-26-A.

MERCER FLORAL CO.
CARL E. TAUBE, Proprietor,
WHOLESALE AND RETAIL
CUT FLOWERS,
Carnations a Specialty. TRENTON, N. J.
Mention the Florists' Exchange when writing

Wholesale Florists,
Always on Hand:
CARNATIONS,
BRIDESMAIDS,
BRIDES.
JOBBERS IN
FLORISTS'
SUPPLIES
FLORISTS' VASES.
Horticultural Auctioneers.
84 HAWLEY STREET, BOSTON.
Mention the Florists' Exchange when writing.

CHOICE FLOWERS
Shipping orders receive careful and prompt attention.
JOHN H. DUNLOP, Toronto, Ont., Canada.
Mention the Florists' Exchange when writing.

Seeing an ad. is not necessarily believing it, but if it is not seen, all the convincing quality in the world will not make it effective.—*Printers' Ink.*

If you want your advertisement to be seen by every likely trade buyer in the country place it in the Florists' Exchange Christmas Number, December 8th.

St. Paul.

Trade Notes.

The sudden transition from Summer mildness to Winter coldness had a very gratifying effect on sales, and trade for two weeks has been exceptionally good. Chrysanthemums are plentiful, but the quality is hardly up to the high standard of former years, the necks being weak, and the petals dropping quickly. This condition is most likely due to the warm Fall weather, which induced a weak, soft growth. The best seen to date are Golden Wedding, Bergmann and Rose Owen. Mrs. Robinson, which in former years has held its large head up so proudly, is this year very weak necked, but few of the stems being strong enough to hold up their enormous load of bloom. Western King, another most beautiful variety, sheds its petals as soon as fully developed.

In the line of roses there appears to be just enough good stock to go round, with the exception of Beauty, which are quite scarce, and for which there is an unusually good demand.

Carnations are still in great demand, with a local shortage reported. Some very fine blooms are shipped in from Joliet, prominent among which are Mrs. Lawson, Maceo, Gomez, and some other choice varieties, including several very promising seedlings. There is a large number of violets planted here this season, but so far very few good flowers have been picked. This condition has caused a great shortage in the local market.

Romans have made their appearance and are in good demand for funeral work, etc.

There is a good call for palms, ferns, etc., and sales in this line have been very brisk for several weeks. Chrysanthemum plants sell slowly, though better stock might create a better demand.

News Jottings.

R. C. Seeger has completed his new range of houses, and now has a nice up-to-date establishment in every particular. In roses he is growing some choice Bride, Bridesmaid, Meteor, Golden Gate and Perle, while his Beauty are among the best ever brought to this market. Liberty, which is grown quite extensively, has so far been quite disappointing. There are a great many short-stemmed blossoms, but with more vigorous growth of plant this will be obviated. The flowers as seen on the plants here are certainly handsomer than the Meteor, and are not inclined to bullheadedness. Mr. Seeger has a fine lot of violets, but they are late, though giving promise for a good crop at Christmas.

In Minneapolis, John Monson is now erecting 10 large houses, in addition to his most complete range built the past season, making a total of over 40,000 square feet of glass. These houses are of the most improved style, and as the location on a side hill will give them plenty of light, even on the shortest days, he should produce some choice blooms.

Fred Busch has rebuilt several of his old houses, and is better prepared than ever to produce cucumbers, beans, lettuce, tomatoes, radishes and other garden truck for which he has become famous.

Holm & Olsen have recently purchased a new up-to-date wagon, which is very handy and showy, and quite in keeping with the rest of their business.

Otto Hierschorn has closed up his Fourth Street store, and will hereafter devote his entire time to his Seventh Street establishment.

E. F. Lemke has gone on his annual hunting trip in the northern part of the state.

A. H. Bunde and wife and A. S. Swanson were visitors at the Chicago chrysanthemum show. VERITAS.

Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Boston Nov. 23 1900	Philadelphia Nov. 21, 190.	Baltimore Nov.20, 190	Buffalo Nov. 21, 190	Toronto Nov. 21, 1900
Roses	A. BEAUTY, fancy—special	25 00 to 35.00	30.00 to 50 00	.... to	25.00 to 35 00	.... to ....
	" extra	16.00 to 20.00	20 00 to 35.00	.... to	15.00 to 20.00	15.00 to 25.00
	" No. 1	8.00 to 12 50	12.00 to 25.00	16.00 to 20.00	10.00 to 15.00	10.00 to 15.00
	" Culls & ordinary	3 00 to 6.00	5.00 to 12.5	6.00 to 12.00	4.00 to 10.00	.... to ....
	Bride, Maid, fancy—spc'l	6.00 to 8.00	8.00 to 12.00	.... to	.... to 6.00	.... to ....
	" extra	4.00 to 5.00	6.00 to 8.00	.... to	.... to	.... to 8.00
	" No. 1	3.00 to 4.00	4 00 to 6.00	4.00 to 6.00	.... to	4.00 to 6.00
	" No. 2	1.00 to 3.00	2.00 to 5.00	2.00 to 3.00	2.00 to ...	1.00 to 3.00
	K. A. Victoria	2.00 to 8.00	3.00 to 12.00	3.00 to 5.00	.... to	.... to ...
	La France	.... to ...	4.00 to 8.00	3.00 to 5.00	.... to	.... to ....
	Liberty	.... to	4.00 to 12.00	4 00 to 6.00	... to	.... to 15.00
	Meteor	2.00 to 4.00	3.00 to 10.00	3.00 to 4.00	2.00 to 6.00	1.00 to 6.00
	Papa Gontier	.... to	.... to	2.00 to 3.00	... to ..	.... to ....
	Perle	.... to	3.00 to 6.00	2.00 to 4.00	2.00 to 5.00	.... to ....
	ORCHIDS—Cattleyas	.... to	35.00 to 50.00	.... to	.... to	25.00 to 30.00
	Cypripediums	.... to	.... to	.... to	.... to	10.00 to 15.00
	Dendrobium formosum	.... to	.... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	.50 to 1.00	.50 to .75	.75 to 1.00	.... to 1.00	.... to .75
	STANDARD VARIETIES White	.... to 1.00	1.00 to 2.00	1 25 to 1.75	1.00 to 1.50	.... to 2.00
	STANDARD VARIETIES Pink	.... to 1.00	1 00 to 2.00	1.25 to 1.75	1.00 to 1.50	.... to 2.00
	STANDARD VARIETIES Red	.... to 1.00	1.00 to 2.0	1.25 to 1.75	1.00 to 1.50	.... to 2.00
	STANDARD VARIETIES Yel.&Var	.... to 1.50	1.00 to 2.00	1.25 to 1.75	1 00 to 1.50	.... to 2.00
	*FANCY— White	1.25 to 1.50	1.50 to 8.00	.... to	2.00 to 3.00	.... to 8.00
	(*The highest grades of standard var) Pink	1 25 to 1.50	1.50 to 3.00	2.00 to 3.00	2.00 to 3.00	.... to 3.00
	(*The highest grades of standard var) Red	1.25 to 1.50	1.50 to 3.00	.... to ...	2.00 to 3.00	.... to 3.00
	(*The highest grades of standard var) Yel.&Var	1.25 to 1.50	1.50 to 3 00	.... to	2.00 to 3.00	.... to 3.00
	NOVELTIES	2.00 to 3.00	2.00 to 3.00	.... to	.... to	.... to 3.00
	ADIANTUM	.75 to 1.00	.75 to 1.0	... to 1.00	.75 to 1.25	.... to .50
	ASPARAGUS	35.00 to 50.00	35.00 to 50.00	25.00 to 50.00	50.00 to 60.00	30.00 to 50.00
	CALLAS	.... to	.... to	6.00 to 8.00	0 00 to 14 00	.... to 6.00
	CHRYSANTHEMUMS	3.00 to 6.00	2.00 to 10.00	8.00 to 8.00	4.00 to 10.0	.50 to 4.00
	CHRYSANTHEMUMS Fancy	8.00 to 12.50	7.00 to 25.00	0.00 to 16.00	12.00 to 18.00	6.00 to 15.00
	LILIES	8.00 to 10.00	.... to	.... to	.... to	.... to 4.00
	LILY OF THE VALLEY	2.00 to 4.00	3.00 to 5.00	.... to	3.00 to 4.00	2.00 to 4.00
	MIGNONETTE—ordinary	.... to 1.00	.... to	.... to	.... to	.... to ....
	MIGNONETTE—fancy	.... to	.... to	.... to	.... to	.... to ....
	SMILAX	8.00 to 10.00	15.00 to 20.00	10.00 to 25.00	12.00 to 15.00	12.50 to 25.00
	VIOLETS—ordinary	.50 to .60	.25 to 1.00	.40 to .60	.75 to 1.00	.... to 1.00
	VIOLETS—fancy	.75 to 1.00	.50 to 1.5	to ..	1.00 to 1.25	.... to ....

BOSTON, MASS.
Asparagus Plumosus
Mignonette
Lily Harrissii
Brides
Maids
American Beauties
WELCH BROS.
PROPRIETORS
CITY HALL CUT FLOWER MARKET,
15 PROVINCE ST.—9 CHAPMAN PL.
Kaiserins
Meteors
Carnots
Orchids
Valley
Carnations
Can furnish at short notice. Price according to quality of goods. Long Distance Telephone, 2161 and 2071.
Mention the Florists' Exchange when writing.

SAMUEL S. PENNOCK,
Wholesale Florist.
BEAUTIES and VALLEY, Our Specialties.
OPEN FROM 7.00 A.M. to 9 P.M.
1612-14-16-18 Ludlow St., PHILADELPHIA, PA.
Mention the Florists' Exchange when writing.

GEO. A. SUTHERLAND, WHOLESALE
CUT FLOWERS AND FLORISTS' SUPPLIES
No. 67 Bromfield St. and 18 Chapman Place, BOSTON, MASS.
Mention the Florists' Exchange when writing.

Boston.

The Market.

Business moves along in the same lines with a little something going on all the time. The supply of good Bride and Bridesmaid has shortened up, but the long looked for improvement in quality has not as yet materialized. Beauty are in good supply, meeting with a fair demand. Prices range from $4 to $8 for small grades; $10 to $12 50 and $16 for medium to fair grades, and $20 to $25 for best and fancies.

Carnations are still plentiful and feel the effects of the heavy supply of chrysanthemums. Some fine flowers of the latter are now in the market, and are selling at low figures, considering the quality. Select blooms of Bonnaffon, Wanamaker, Maud Dean and such varieties are sold at $1 per dozen, with smaller grades of all kinds at from $3 per 100 upwards. A few extra quality, Western King, white Bonnaffon, etc., make $1.50 and sometimes $2 per dozen, but they are necessarily very fine flowers.

Violets are scarce, that is, good ones, and good prices are realized. No. 1 stock brings 75c. per 100, while a few fancies realize $1 per 100. It is said that violets may be very scarce by Thanksgiving Day. Valley is plentiful and does fairly well at the same prices as last week. Harrisii lilies are now a staple article, being received of good quality and in goodly numbers. They fetch $8 and $10 per 100. Paper Whites and Romans are becoming quite plentiful, and move slowly at $1.50 to $2 per 100.

There is now every indication of a good supply of nearly all kinds of flowers for Thanksgiving Day.

N. F. McCarthy & Co. held a very successful sale of evergreens, etc., from Holland, on Tuesday, very good prices being realized for nearly all the stock disposed of.

Judge Hoitt is a candidate for Speakership of the New Hampshire House of Representatives, and it is understood that he has a very good chance of election. His many friends wish him all the success possible.

William E. Doyle, who had been a candidate for Mayor of Cambridge, found that it was impossible for him to devote sufficient time to both politics and business, and he has decided to abandon the former.

Richard H. Kidder, of Waltham, has made an assignment.

Another retail store has been opened at 987 Boylston street. Lawson & Taylor is the firm name. Both parties are from Worcester, Mass.

The Horticultural Club held its regular monthly meeting at the Quincy House, on Thursday evening, with Hermann Thieman, Manchester, Mass., presiding.

Charles Evans, who was confined to his house a few days last week, is again about.

J. Tailby & Son and William Nicholson are bringing in white Bonnaffon to the Flower Market. F. J. N.

Indianapolis.

Trade Notes.

Ed. Smith, a florist on Virginia avenue for some years, has gone out of business.

John Heidenreich has added one house, 10 x 80 feet, to his establishment.

The warm weather has advanced flowers, especially chrysanthemums, so that a glut has been in the market for some time. Fear is expressed that stock will receive a setback when the real cold weather arrives. Business for about three weeks past has been below the average. W. B.

Providence, R. I.

Violets have become very scarce here, and also in Boston, the past week. John MacRae's violets are the finest to be seen in this section, and thus far he has had more blooms than all the other growers together, with promise of a fine crop for Christmas. A. M.

Chicago.

State of Trade.

The expected has happened—an unmistakable shortage in the cut of roses, as compared to that following the protracted warm Fall. If the general business could be called brisk, there would be a strong advance in prices, but that can hardly be said as yet, except in the case of American Beauty, and very high grade tens. To be able to clean out reasonably at quotation prices, is change enough to begin with. Chrysanthemums, of course, are the great feature, and some very good stock is in the market. These flowers will last some time yet, as there are more than the average of late blooms to come in, especially of the medium and lower grades.

Carnations, at writing, are not over abundant, but sufficient to prevent any marked advance in selling rates.

Thanksgiving prices will likely rule at not far from the following figures: long-steemed Beauty, $4 to $5; medium, $2 to $3; short, 75c. to $1, per dozen. In teas, special fancies may reach $8; extras $4 to $6; common, $2 to $3, per 100. Carnations, fancies, $3 to $4; standards, $1.50 to $2; common $1 per 100. Chrysanthemums, extra choice, $3; good stock, $1.50 to $2; common grades, 50c. to $1, per 100. Violets, extras, $1 to $1.50; common, 75c. to $1.

Good Paper White narcissus has been selling at $4 to $5. A very good quality of bouvardia in the market is bringing $1.50 per 100.

Florists' Club Doings.

At the regular meeting of the club, November 16, Frank Oechstein and John Maugel, were elected members. W. N. Rudd stated that he could not give an exact report on the door receipts at the recent show; but enough was known to indicate that so expensive a hall could not be made a paying success. As a partial reason for the poor exhibits in the way of cut chrysanthemums, he stated that the exhibition was too early for the best blooms. Chairman Phil. J. Hauswirth reported the total net proceeds of the flower booth sales, in aid of the Galveston Florists' Fund, as $260.20, which sum was turned over to the treasurer. A vote of thanks was exteuded to him for his gratifying success. The secretary was instructed to send a letter of thanks to the following firms: Mrs. E. T. Graves, Richmond, Ind.; George Engel, Xenia, Ohio; Samuel Batson, Kalamazoo, Mich.; John Bauscher, Jr., Freeport, Ill.; George A. Rackham, Detroit, Mich.; George Harrer, Niles Center, Ill.; Chicago Carnation Co., Joliet, Ill.; W. J. and M. S. Vesey, Fort Wayne, and Gunner Teilmann, Marion, Ind.; J. C. Vaughan, Edwin Eagle & Co., Anton Then, N. P. Miller, John Feike, P. J. Hauswirth, Guardian Angel Orphan Asylum, Walter Retzer & Co., Emil Buettner, Johnson & Carlson, A. McAdams, J. T. Anthony and August Juergens of Chicago.

Some little discussion was had relative to shows, and a determination manifested not to give them up, even if the Club had to take hold of them again.

Jottings.

Robert Johnstone, of Norwood Park, has been sending in some good wallflowers and expects to keep up the supply all Winter. The stock sells fairly well at $1 per 100 sprays.

Henry Hilmers, Blue Island, grows a lot of chrysanthemums, several to a stem, and claims that for his store use these pay better than fancies.

Thrips on Beauty roses is causing some trouble, being also hard to get rid of.

Christmas greens, as yet, are short of the demand. The price asked at first hand is $100 per ton, at time of writing. Parties just returned from the woods, who know what they are talking about say the supply this year is comparatively small, and unless unusually open weather prevails, (not likely at this late date), greens are to be extremely short in this market. Ess.

St. Louis.

There has been little change in the general market. Supply and demand are nearly equal. Carnations sell at 1c. to 2c.; roses, 1c. to 4c., according to quality and quantity. Violets have gone up a notch, being now worth 60c. per 100. Chrysanthemums have not come in very plentifully, though choice grades would sell.

A. Ringler, of Chicago, was a visitor.

C. C. S.

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McKELLAR & WINTERSON,
Wholesale Commission Jobbers
In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work.
45, 47, 49 WABASH AVENUE, - - CHICAGO, ILL.

Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Chicago Nov. 21, '00	St. Louis Nov. 19 '00	Cincinnati Nov. 20, '00	Milwaukee Nov. 19 '00	Pittsburg Nov. 22, '00
Roses	A. BEAUTY, fancy—special	30.00 to 85.00	.... to 25.00	25.00 to 35.00	20.00 to 25.00	25.00 to 35.00
	" extra	15.00 to 25.00	12.00 to 20.00	.... to 25.00	12.50 to 15.00	15.00 to 20.00
	" No. 1	10.00 to 12.00	8.00 to 10.00	.... to 15.00	8.00 to 10.00	8.00 to 10.00
	" Culls & ordinary	5.00 to 8.00	5.00 to 6.00	8.00 to 10.00	4.00 to 6.00	4.00 to 6.00
	Bride, Maid, fancy-spec'l	5.00 to 8.00	.... to 6.00	.. to	.... to 6.00	8.00 to 10.00
	" extra	3.00 to 4.00	4.00 to 5.00	4.00 to 5.00	.... to 4.00	4.00 to 6.00
	" No. 1	2.00 to 3.00	2.00 to 3.00	3.00 to 4.00	.... to 3.00	3.00 to 4.00
	" No. 2	.... to 1.00	.... to 1.5	2.00 to 3.00	.... to 2.00	2.00 to 3.00
	K. A. Victoria	3.00 to 5.00	2.00 to 4.00	.... to	4.00 to 6.00	4.00 to 10.00
	La France	.... to	.... to	.... to	to	.. to ....
	Liberty	4.00 to 6.00	.... to	.... to	3.00 to 6.00	3.00 to 5.00
	Meteor	3.00 to 5.00	2.00 to 6.00	2.00 to 8.00	3.00 to 6.00	3.00 to 8.00
	Papa Gontier	.... to	.... to	.... to	.... to	.... to ....
	Perle	2.00 to 4.00	2.00 to 5.00	.... to 3.00	3.00 to 5.00	2.00 to 4.00
	ORCHIDS—Cattleyas	10.00 to 50.00	.... to	.... to	.... tr	.... to ....
	Cypripediums	.... to	.... to	.... to	.... to	.... to ....
	Dendrobium formosum	.... to	.... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	.75 to 1.00	.... to 1.00	.... to 1.00	1.00 to 1.50	.50 to .75
	STANDARD VARIETIES White	1.00 to 1.50	.... to 1.50	.... to 1.50	1.00 to 1.50	1.00 to 1.50
	STANDARD VARIETIES Pink	1.25 to 1.75	.... to 1.50	1.50 to 2.00	1.00 to 1.5	1.00 to 1.50
	STANDARD VARIETIES Red	1.25 to 1.75	.... to 1.5	1.00 to 1.50	1.00 to 1.50	1.00 to 1.50
	STANDARD VARIETIES Yel.&Var.	1.25 to 1.75	.... to 1.5	1.00 to 1.50	1.00 to 1.5	1.00 to 1.50
	*FANCY— White	1.50 to 1.75	2.00 to 3.00	2.00 to 2.50	.... to 2.00	2.00 to 3.00
	*FANCY— Pink	2.00 to 3.00	2.00 to 3.00	2.00 to 2.50	.... to 2.00	2.00 to 3.00
	*FANCY— Red	2.00 to 3.00	2.00 to 3.00	2.00 to 2.50	.... to 2.00	2.00 to 3.00
	*FANCY— Yel.&Var.	2.00 to 6.00	2.00 to 3.00	2.00 to 2.5	.... to 2.00	2.00 to 3.00
	(*The highest grades of standard var) NOVELTIES	.... to	.... to	.... to	.... to 3.00	.... to ....
	ADIANTUM	.75 to 1.00	.... to 1.00	.... to 1.00	.75 to 1.00	.75 to 1.00
	ASPARAGUS	40.00 to 50.00	.... to	.... to	20.00 to 50.00	35.00 to 75.00
	ASTERS	.... to	.... to	.... to	.... to	.... to ....
	CALLAS	5.00 to 8.00	.... to	.... to	10.00 to 12.50	.... to ....
	CHRYSANTHEMUMS	5.00 to 8.00	4.00 to 8.00	5.00 to 8.00	8.00 to 12.5	4.00 to 8.00
	CHRYSANTHEMUMS Fancy	10.00 to 25.00	10.00 to 15.00	15.00 to 20.00	15.00 to 25.00	10.00 to 20.00
	DAISIES	.25 to .35	.... to	.... to	.... to	.... to ....
	GLADIOLUS	.... to	.... to	.... to	.... to	.... to ....
	LILIES	.... to	.... to	.... to	.... to	.... to 25.00
	LILY OF THE VALLEY	4.00 to 5.00	3.00 to 4.00	.... to 4.00	.... to	2.00 to 4.00
	MIGNONETTE—ordinary	2.00 to 3.00	.... to	.... to	.... to 3.00	1.00 to 2.00
	MIGNONETTE—fancy	4.00 to 6.00	.... to	.... to	.... to 4.00	.... to ....
	SMILAX	10.00 to 12.50	12.50 to 15.00	10.00 to 15.00	12.50 to 15.00	10.00 to 15.00
	TUBEROSES	.... to	.... to	.... to	.... to	.... to ....
	VIOLETS—ordinary	.50 to .75	.40 to .50	.... to .75	.... to .75	.50 to 1.00
	VIOLETS—fancy	1.25 to 1.50	.60 to .75	.... to 1.00	.... to 1.00	.... to 1.50

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WHOLESALE FLORISTS
AND FLORISTS' SUPPLIES.
Manufacturers of Wire Designs.
457 Milwaukee St. MILWAUKEE, WIS.
'Phone Main 874. P. O. Box 108.

Hamilton, Ont.

Trade Items.

Business has continued fairly good; the Dominion Election did not appear to affect trade. Not many carnations are coming in locally, as most of the growers plant late. E. Walker is handling a large quantity of fine stock.

Chrysanthemums in pots are selling very slowly. Those growers who have grasped the situation are cutting the blooms and selling them in loose bunches. The prediction is, a better quality of flowers will be produced next season and better prices asked. Bench culture will be more popular.

A fall of snow and a sharp freeze on the 13th inst. put a stop temporarily to outside work; milder weather again prevails, however. The Hamilton Horticultural Society met on the 19th inst. Mr. Shuttleworth, from the Ontario Agricultural College, addressed the meeting on the subject of manures. Though the membership of the society is entirely satisfactory, the attendance was small. An effort will, no doubt, be made this Winter to increase the attendance.

BEAVER.

Wholesale Cut Flowers
AND
Florists' Supplies.
C. C. POLLWORTH CO., Milwaukee, Wis.

San Francisco.

The recent flower show held under the auspices of the California State Floral Society was a big success financially, according to the report of the treasurer, which was made at a meeting of the society held November 9. It was decided to hold a rose show next May. The advisability of increasing the number of vice-presidents from one to two and the board of directors from two to four was discussed and the plan will probably be carried out.

After the business meeting O. V. Lange, of Berkeley, gave a half-hour's talk on "Flower Photography," using a number of cleverly taken pictures prepared in his own art gallery. In the case of highly tinted flowers, the speaker said, it requires most delicate shading on the part of the photographer in order to bring out a faithful reproduction of the subject.

Steven Ferreri, a flower grower, was robbed recently of $970. He kept his money in his greenhouse. A former employee is supposed to be the culprit.

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The Largest, Best Equipped, Most Centrally Located
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Wholesale Cut Flowers
CONSIGNMENTS SOLICITED.
51 and 53 Wabash Ave., CHICAGO.

All Leading Varieties of Roses and Carnations
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OFFICE AND SALESROOM,
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Headquarters for AMERICAN BEAUTIES.

CARNATION BLOOMS
Of all leading varieties now ready.
Let us figure on your wants.
CHICAGO CARNATION CO., Joliet, Illinois.
Mention the Florists' Exchange when writing.

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A COMPLETE LINE OF WIRE DESIGNS.

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RICHMOND, INDIANA.
Mention the Florists' Exchange when writing.

Carlisle, Pa.

A very successful chrysanthemum show was held here from November 13 to 15. The affair was under the auspices of the Civic Club, which is composed of the most influential people of the city. The local florists did nobly and deserve the warmest praise. The quality of everything shown was of a high order. Among the largest prize winners were George Gurgiest, gardener to F. C. Bosler, Esq.; W. S. George, gardener to Mr. J. W. Wetzel; florists, John Robbins and J. Dewall. One of the great attractions was a flower shown for a special prize; it measured over 12 inches in diameter, and was grown by W. S. George. The judges were W. S. Macklin and J. Lohan, of Harrisburg, and Mr. Byer, of Chambersburg. Their decisions gave general satisfaction. H. Y.

FIRES.

PHILADELPHIA, PA.—On November 16 fire broke out in the packing house attached to the greenhouses of John Koehler & Sons, Bridge Street, near Frankford Avenue, doing damage to the amount of $5,000. While fighting the flames Mr. Koehler was overcome and fell unconscious shortly after the excitement was over. He was carried to his residence and the physicians pronounce his condition critical. The packing house was a two-story frame building about 125 feet long.

TWO very necessary qualities in a special advertising edition: Timeliness and Circulation. Take advantage of both by mailing your advertisement early for Florists' Exchange Christmas Number, December 8.

FOREST TREES

We offer for sale the largest stock of Forest Trees in this country, Sugar, Norway, Sycamore, Silver Leaf and other Maples by the thousands. Also Lindens Poplars, Elms, Willows, Mt Ash, etc., in large quantities, as well as a general stock of other nursery products. Address

STEPHEN HOYT'S SONS, - New Canaan, Conn.

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VIOLETS

Extra strong, field-grown clumps.

California..... $4.00 per 100.
Princess of Wales..... 5.00 "

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500,000 VERBENAS

60 finest named varieties, including our new MAMMOTH WHITE MRS. McKINLEY. The finest white Verbena grown.

Perfectly healthy. Free from rust.

Rooted cutting, 60 cts. per 100; $5.00 per 1000.
Plants, $2.50 per 100; $20.00 per 1000.
Our list is the choice from millions of seedlings.
Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

Rooted Cuttings.

Beaute Poitevine, Mme. Jaulin, A. Ricard, S. A. Nutt, Double Grant, $2.00 per 100; $15.00 per 1000. Cash with Order.

J. B. SHURTLEFF, Jr., Revere, Mass.

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50,000 DAHLIA CLUMPS for Fall Delivery.

Descriptive Price List upon application. Stock up-to-date. Prices right.

IMPROVED DOUBLE FRINGED PETUNIAS

20 named varieties, strong, from 2 inch pots, $2.50 per 100; $22.50 per 1000.

HYDRANGEA OTAKSA Strong, 2½ inch pots, well-grown stock. $5 per 100; $27.50 per 1000. Satisfaction guaranteed

A. B. DAVIS & SON, Purcellville, Va.

Mention the Florists' Exchange when writing.

CYCLAMEN!

FOR IMMEDIATE SHIPMENT.

Cyclamen Persicum Splendens Giganteum, finest strain in the world, in four true colors, a splendid stock of plants, in bud or bloom, from 4 in. pots, $1.50 per doz.; $12.00 per 100. From 3 inch pots, in bud, $7.00 per 100; $65.00 per 1000.

I solicit your patronage, and guarantee satisfaction.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

EXPRESS PAID. Primroses for Christmas blooming. Chinese Primroses, 3 inch $4.00 per 100; 4 inch, $6.00 per 100. Pansy Seed, prize mixture of Bugnot, Cassier and Odier, $2.50 per ounce.

SAMUEL WHITTON, 15-17 Gray Ave., Utica, N. Y.

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PRIMROSES!

Per 100
Chinese Mixed, large flowering, fringed....$1 25

ASPARAGUS SPRENGERI, 2 in. pot. 2 50
PLUMOSUS, 2 " . 3 50

Cash, please.

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GERANIUM "AMERICA"

A QUEEN AMONG GERANIUMS.

"Plants not one foot high often have a dozen trusses at one time. One of the brightest, cheeriest varieties in the whole Geranium family."
May, 1900. EBEN E. REXFORD, in *Vick's Magazine*.

$8.00 per 100. 25 at hundred rate. Ready now.

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

100,000 Rooted Cuttings, at $12.00 per 1000. Dbl. Grant, $11.00 per 1000. Mme. Salleroi, $1.25 per 100, $10.00 per 1000. Rose Geraniums, $1.25 per 100.
Pelargonium Victor, $2.00 per 100.
Abutilons, Savitzii, trailing, and five others, $1.50 per 100.
Weeping Lantanas, $1.25 per 100.
Ageratums, Louise Bonnet, Princess Pauline, Cope's Pet, White Cap. 50 cts. per 100.
Sweet Alyssum, 60 cts. per 100.
Feverfew, Little Gem, $1.00 per 100.
Cuphea, Cigar Plant and Tricolor, 75 cts. per 1.00.
Salvia Silverspot. 50 cts. per dozen.
Double Petunias, 30 vars., 2 in pots, $2.00 per 100.
Nasturtium Nicolor, 2 in. pots, $2.00 per 100.
Lantanas, 8 vars., 2 in. pots, $2.00 per 100.
Heliotropes, 12 vars. 2 in. pots, $2.00 per 100.

Cash with order.

C. A. HARRIS & CO., Delanson, N. Y.

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SOME STOCK YOU WANT

20,000 PANSY PLANTS, to grow for bloom, 20 leaves, $1.00 per 100.
COLEUS, 10 varieties, named, 2½ in., $1.50 per 100.
20,000 ALTERNANTHERAS, bushy, 2½ in., $1.50 per 100.
SALVIA, dwarf, Clara Bedman, 2½ inch, $1.50 per 100.
SMILAX, 2½ inch, $1.50 per 100.
3000 CEDUM VARIEGATUM, 2½ inch, $1.50 per 100.
5000 CIGAR PLANT, fine, 2½ in., $1.50 per 100.
ASPARAGUS PLUMOSUS NANUS, 3 inch, $5.00 per 100.
BOSTON FERN, true, 3 inch, $5.00 per 100.
CALIFORNIA MOSS, for hanging baskets, 2½ inch, $1.50 per 100.

5 plants at 100 rates.

THE MORRIS FLORAL CO., Morris, Ill.

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GERANIUMS

ALPHONSE RICARO	LA FAVORITE
BEAUTE POITEVINE	MME. JAULIN
CENTEAURE	MISS KENDELL
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DOUBLE GEN. GRANT	MISS F. PERKINS
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GRANVILLE	MARQU'S de MONTMORT
GEN. DE BOISDEFFRE	TRUE ROSE

2½ inch pots, $2.00 per 100.

ROSES Perle, La France, Bride, and Bridesmaid, have about 1000 strong, two-year-old, from bench, $5.00 per 100; $45.00 for the 1000.

Cash with order.

R. VINCENT, JR. & SON, White Marsh, Md.

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$2.00 Per 1000

TO CLOSE OUT. (Nice Plants.)

GIANT PANSIES { Roemer's or Trimardeau.
HARDY DAISIES { Longfellow.

California Privet 18 to 24 inches, branched, $2 per 100; $15 per 1000.
Boston Ferns Runners, $1.00 per 100.
Ferns 2½ in., $2 per 100; $18 per 1000. From bench fit for 6 in., $10.00 per 100.
Carex Japonica Variegata 2 in., fine, $1 50 per 100. Cash.

BYER BROS., Chambersburg, Pa.

Mention the Florists' Exchange when writing.

100,000 GERANIUMS—ROOTED CUTTINGS.

SEND FOR LIST AND PRICES.

	Per 100
Asparagus Sprengeri, 2 in.....	$3 00
" " 2¼ in.....	4 00
Baby Primrose, 2¼ in.....	4 00
Begonia Rex, rooted cuttings.....	2 00
Cinerarias, 2¼ in.....	3 00
Snow Crest Daisy, rooted cuttings, $2.00 per 100; 2¼ in., $4.00; 3 in., $6.00.	

	Per 100
Lemon Verbena, Extra 2 and 2¼ in. at $3 00 and $4.00 per 100.	
Forget-me-not, (winter), rooted c'gs.	$2 00
" " (winter), 2 in.....	3 00
" " " 4 in.....	10 00
Violets, Farquhar, 2¼ in., free of disease.	2 50
Vinca, 2¼ in...$3.00 3 in.....	5 00
" 4 in .....10 00 5 in.....	15 00
" rooted cuttings, $10.00 per 1000..	1 25

CASH or C. O. D. Send for Descriptive Circular and prices for the best Florists' Hose Nozzle.

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

CINERARIAS

From Benary, Cannell and Sutton's prize show flowers saved, dwarf and semi-dwarf, giant flowered, finest colors and shades; 2¼-in., $2.50 per 100.

Shellroad Greenhouses, Grange P. O., Balto, Md.

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5,000 VINCA MAJOR VAR. Field-grown, full 2 to 3 ft., $6.00 per 100.
California Violet Clumps, $3.00 per 100; L. H. Campbell, $5.00, fine.
Blue and Crimson Spiræa, 2½ in., 3c.; field-grown, 6c.
Marguerites, white, 4 in., 6c.
Scott and Portia Carnations, to close, $3.00 per 100
Hydrangea Grandiflora, 3 year old, 8c. and 10c.
Double Althæas, named colors, 2½ to 3½ ft., 8c.
Cash, Please.

BENJ. CONNELL, Florist, West Grove, Pa.

Mention the Florists' Exchange when writing.

BABY PRIMROSE

About 1000 for sale, in 2½ in. pots, fine, strong plants, ready for 4 in pots, at $3.50 per 100; or will exchange for FERNS.

NICHOLAS AMOS, Crestline, Ohio.

Mention the Florists' Exchange when writing.

FERNS For dishes, etc., in 6 of the leading varieties, from 2½ in., $3.00 per 100.

PRIMULA FORBESII in Bloom from 3 in. $4 00 per 100, from 4 in., $8 00 per 100.

FORGET-ME-NOT True Winter-flowering, 3 inch, $3.00 per 100; 4 inch, 75 cts. per dozen.

PELARGONIUMS in six of best bloomers, mixed, from 3 in., $3 a 100.

JOHN G. EISELE, 20th and Ontario Sts., PHILA., PA.

Mention the Florists' Exchange when writing.

GERANIUMS ROOTED CUTTINGS

Best popular double and semi-double bedders; 5 varieties Scarlet; 5 Salmon Pink; 4 Dark Crimson; 3 Pink; 2 White, and many other choice vars., $12 a 1000.

COLEUS 10 separate colors, 65c. per 100; Grand Fancy Mixed, 50c. per 100; Grandest New Giant Leaved, $1 20 per 100
Remit with order to ship. List of stock free.

DANIEL K. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

MADAM SALLEROI

Fine plants, in 2½ in. pots, $2.50 per 100.

BOSTON FERNS

4 in., 5 in., 6 in., 7 in. pots; 10 in. and 12 in pans.

Dandy Plants for Xmas Sales.

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Mention the Florists' Exchange when writing.

AGERATUM

"STELLA GURNEY"

As necessary to your bedding stock as Coleus or Geraniums. Dwarf in growth, true blue and always in bloom.
Strong pot plants at 75 cts. per doz.; $5.00 per 100.

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Mention the Florists' Exchange when writing.

SOMETHING NEW!

TRUE SHAMROCK

(Oxalis Acetosella.) From cemetery of Down patrick in Ireland. Plants from 2½ in. pots, ready Feb 1st, $1 00 per 100; $35.00 per 1000. 250 at 1000 rate. Cash with order. Order early, as stock is limited.

J. D. Harcourt's Son, Wappingers Falls, N. Y.

Mention the Florists' Exchange when writing.

ADOLPH C. FEHR,

Florist and Seedsman,

ROSES, CARNATIONS, SMILAX, CHRYSANTHEMUMS, Etc.

220 East Main St. Greenhouses, Carlyle Road, BELLEVILLE, ILL.

Mention the Florists' Exchange when writing.

GERANIUMS

Rooted Cuttings, 38 varieties, Double and Single in separate colors, a- Ricard, Harrison, S. A. Nutt, Beaute Poitevine, Double Grant, La Favorite, Mme. Bucher, Pres. Du Bois, Single Grant, Queen of West, and others.

By mail, at $1 25 per 100; by express, $10.00 per 1000. Transplanted, extra strong plants, same varieties, by mail, $2.00 per 100; by express, $15 00 per 1000.

CASH WITH ORDER.

PETER BROWN, Lancaster, Pa.

Mention the Florists' Exchange when writing.

A Big Bargain!

FROM NOW UNTIL JANUARY 1, 1901.

COLEUS 2½ inch pots, $2.00 per 100; $15.00 per 1000. Rooted cuttings from the same at 50c. per 100; $4.00 per 1000.

Also a fine lot of

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New Chrysanthemums, etc. at Summit, New Jersey.

With the present high standard of chrysanthemums in general, a new variety must, of necessity, show distinctive merit, before a certificate is awarded it, and to bring a flower up to the requisite certificating point requires considerable skill and ability. Mr. May has been successful in having three seedlings certificated within the last few weeks, and a recent visit to his establishment enabled us to obtain a few notes relative to the respective merits of these varieties. Yanariva is a mid-season sort, of the Japanese reflexed type, of a very delicate pink color, sometimes called a flesh pink. The flower is of good size, and the foliage carried is not very heavy. This variety is a descendant from Mrs. Jerome Jones, crossed by an unnamed seedling. Flowers of it were sent to four of the committees of the Chrysanthemum Society, and a certificate obtained from three of the committees. We were informed that this variety is one of the best, and most free growers it is possible to find. Brutus is the name of a good sized flower, of a regular sunset red color. The type is Japanese reflexed. It is of the same parentage, on the maternal side, as is Yanariva. The stem and foliage are all that could be desired, and Brutus will, no doubt, became a valuable acquisition to existing red kinds. Mrs. W. B. Chamberlain is also a Japanese reflexed. The color of this variety is a light rose pink, very pleasing, and, from our point of view, the more likely to win favor with the buying public. It is a good clear shade, one that is sure to show up well under artificial light, and is absolutely free from salmon or magenta effects. The stem and foliage of this variety are well up to the standard, and the shipping qualities of the blooms are excellent. This latter remark applies equally to the two varieties previously mentioned, and these three certificated kinds will no doubt find a prominent place among our commercial chrysanthemums in 1901.

Mr. May is also a great enthusiast in the pompon section, and is continually working towards improvement in this class. A steadily increasing demand for them is noticed, and, although at the time of our visit it was too late to see the flowers at their best, we observed a few excellent varieties. Two yellows were very noticeable, one named Klondike, the other a seedling numbered 80 and a trifle darker in color than the former. A clear pink variety named Aileen is very pleasing, as also is a white variety named Lula. Miss Ada Williams is a fine white, just tinted with pink, and one of the best of the set.

Chrysanthemums, however, fill but a small portion of the numerous greenhouses here, and under the guidance of Mr. May's son, Harry, we saw the many clean, well cared for houses of roses and carnations. Of the former, the Bride and Bridesmaid are simply grand. Much of the stock has been carried over, and the length of stem and size of bloom leave nothing to be desired. Morgan and Kaiserin are also very fine. Liberty, of which there are two houses planted, are just recovering from a severe attack of spot. During convention week these two houses were the admiration of many visitors, the plants at that time being remarkably vigorous. Since then, however, black spot has appeared; but the rose seems to have great recuperative qualities, and is now rapidly outgrowing the effects of the disease. Other varieties of roses grown are Beauty, Hoste, Sunrise, Bon Silene, Golden Gate, Mrs. Robert Garrett, Lady Dorothea, Admiral Dewey and Testout.

One of the finest sights is the house of mignonette. The earliest sown bed (sown about the middle of July) is magnificent, enormous spikes being now ready for the market.

A beach of cypripediums, in another house, are also very fine; this batch, of several hundred plants, averages about 15 flowers to the plant.

Among the seedling carnations, several have decided merit; as yet they are unnamed, and can only be referred to by their numbers. No. 515 is of a light crimson color, medium size, and is a splendid grower, having a good stem; the plant is a most persistent bloomer. Two white ones, Nos. 3,125 and 4,540, flowering for the first time, are also very fine, the blooms having good stems and the plants a vigorous constitution. No. 2,960 is a clear bright scarlet, a very large flower, carried on a superb stem. This is considered an exceptionally fine variety. No. 3,456 is a good long-stemmed crimson, of medium size, and splendid habit of plant. No. 4,959 is a large kind, an absolutely pure yellow, no tracing of any other color whatsoever being found on the flower.

Other varieties grown are The Marquis, Peru, Genevieve Lord, G. H. Crane, White Cloud, Estelle, Lily Dean and Olympia. Lily Dean has a house to itself. Although other growers have been disappointed with the behavior of this variety, it is certainly producing a heavy supply of very fine blooms here, being looked upon as one of the best paying carnations on the place.

Olympia has had a house built expressly for it, which at this writing presents a perfect picture. The house is even span, 100 feet long, and 34 feet wide. Five beds or benches are used, those on the sides being quite narrow. That this variety has a great many admirers is attested by the enormous sales of the plants last Spring. It has been written about so often, that no further mention of it is needed here.

All the carnations at this place are in the finest possible condition. There has been no filling in required since the houses were planted from the field, and stem rot has not manifested itself, except in one or two instances, and among stock brought in from outside sources.

In closing we cannot refrain from adding a word upon the clean and well-kept condition of every bench and walk in the whole establishment, which reflects great credit on the foreman, S. Henshaw.

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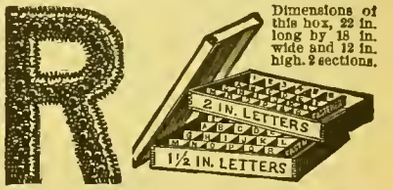

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Newport, R. I.

The attendance at our Fall show was rather light, except in the evenings, when a good many were on hand for the dancing. The weather being poor was in a measure responsible for this result. Then, on the opening night, a celebration by the Republicans over their recent victories at the polls scarcely left enough people around to guard the hall. But, as a whole, the affair was a grand success, well managed, and of the awards made we have heard no complaint. The judges were Messrs Wm. J. Stewart, Boston, Mass.; Kenneth Finlayson and Jas. Wheeler, of Brookline, Mass.

In last week's report I omitted to give the name (Beau Ideal) of Mr. Pierce's new pink carnation. And, by the way, the blooms, as far as we could see, were as fresh on the last night as they were on the first day, thus proving the value of the variety as a keeper.

Rose Queen of Edgely was much admired for its beautiful color and fragrance.

Naturally, a few errors and some omissions occurred in our hurried report. In the class for best specimen chrysanthemum plants, any other color, the honors should have been given, first to John Barr, second to Robert Laurie. In class for best specimen palm other than kentia or areca, first place was taken by Robert Laurie, second by Andrew S. Meikle.

In the class for cut blooms of chrysanthemums, 25 blooms distinct named varieties, there were three competitors—John Barr, Robert Laurie and John Ash, of Pomfret Conn., the premiums being awarded in the order named. In addition to those noted last week, special awards were made to D. T. Roy, gardener for Hon. E. S. Converse, of Malden, Mass., for general comprehensive display of chrysanthemum cut blooms, some of the Chinese and anemone varieties being much admired; to John Allan, Caswell Greenhouses, for collection of cut blooms, carnations; to Andrew S. Miekle for specimen plants, dieffenbachias; to Geo. A. Weaver Co. for display of seeds, bulbs, etc. MAC.

Lynn, Mass.

For the past few weeks trade has improved greatly. Faneral work has beea very good. Stock on the whole is looking very well. Carnations are a little soft, on account of the mild weather. Chrysanthemums are moving fairly well; there being more call for the medium size blooms. The days of very large flowers are nearly over in this city.

Smith & Dolanski went heavily into chrysanthemums this year. Sims, of Cliftondale, has a grand house of Mrs. Hayes, a fine pink, as grown by him. It commands the highest price in Boston market. His violets and carnations are also in good shape.

Roland, of Nahant, has still a very large stock of Begonia Gloire de Lorraine in excellent shape, in all sizes. His Marie Louise violets are the best the writer has seen for a long time.

Building operations are still going on. Blaney is erecting a large house for bedding stock; he intends to build a rose house next year.

Smith & Dolanski are building a house for violets.

Miller has purchased a 10-acre farm four miles from the city and intends to build and plant a small nursery.

E. A. Richards has changed his location to a more populous part of the city.

Prospects for the Winter look encouraging. J. L. M.

Birmingham, Ala.

At the recent exhibition held here Mrs. Ella Smith, 2106 First Avenue, secured the following premiums:

First prize for best collection of 50 chrysanthemums; first, for 20 white; first, for 20 yellow; second, for 10, any color; first, for best and largest collection; first, for best single plant, any color; first, for collection of foliage plants; first, for collection of ferns; first, for general collection of greenhouse plants, first, for collection of begonias; first, for designs, and first for best and most artistically arranged mantelpiece.

Wilmington, N. C.

At the chrysanthemum exhibition, held here November 17, Miss Lucy Moore was awarded premiums for handsomest display of growing plants; also for display of chrysanthemums, grown outdoors. J. H. Small & Sons, Washington, D. C., received a prize for display of cut chrysanthemums; and Mrs. H. Rehder, one for best display of cut flowers. In latter class, L. Williams, of Wilson, was a close second.

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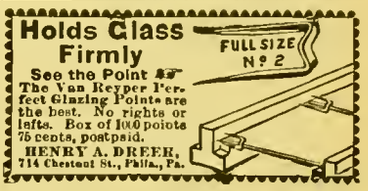

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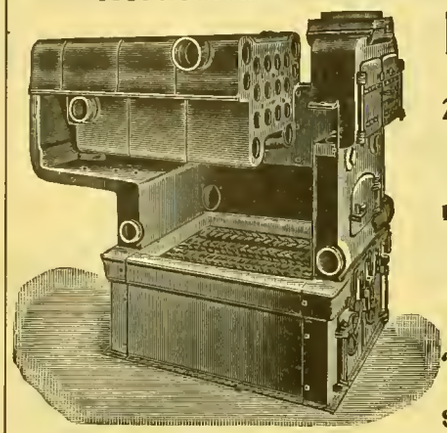

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Announce a most extraordinary Trade Sale of Valuable Palms, Ornamental and Decorative Plants,

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In addition, a select consignment of Hardy Roses and Ornamentals direct from Holland, and ten cases of Bulbs of all varieties.

Buyers will please note that as the season is growing late our sales of Palms will shortly be at an end, hence, the advisability of attending this EXTRAORDINARY SALE of Large and Small Palms is obvious.
Make particular note of the day and date, and remember this will be undoubtedly the greatest opportunity of the season.
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PEAS	ONION	CABBAGE	WATERMELON
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5000 CHINESE SACRED LILIES
$4.00 a mat of 120 bulbs.

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	Per 100
Spiræa Japonica	$3.50
Astilboides Floribunda	4.00
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London Market	$14.50
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Lilium Longiflorum, Jap., 7-9.
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Mammoth Freesias.
Single and Double Tulips.
Hyacinths, Double Named and Bedding sizes, Named Varieties.

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Alsophylla Australis (Australian Tree Ferns), 50c. pkt; Asplenium Belangeri a most beautiful fern), 50c pkt; Cobæa Scandens (blue flower), 35c. pkt., $2.50 lb.; Cobæa Scandens (white flower), 80c oz.; Coleus, superb mixture of splendid varieties, 50c pkt., 75c 1/6 oz., $10.00 oz; CENTAUREA, Large Flowering, white, Marguerite, 75c oz., $8.00 lb; Cosmos, "Giant Fancy," seperate colors, 5 c. oz; splendid mixed, 40c. oz.; Nasturtium, lg. fl., dwarf "Tom Thumb," splendid mixed, 35c lb, 10 lbs $3.00; Nasturtium, Lobb's Grand New, mixed, with very large flowers, $1.00 lb; 10 lbs. $8.00; Dahlia "Imperialis." The Lily Dahlia, 50c. pkt. $3.00 oz. Send for Trade List of Seeds.

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LILIUM LONGIFLORUM JAPAN

6 to 8 inches	$24 00 per 1000
7 to 9 "	$34 00 "
White Italian Hyacinths, per 1000 largest size	$ 8.00
Spiræa Japonica Clumps	24.00
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VERBENA GRANDIFLORA The finest strain of Improved Giant Verbenas grown, largest flowers and best colors Pkt., 80 seeds, mixed, 50 cts.

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HYACINTHS.

	100	1000
Dutch Mixed, fine bulbs	$3.00	$27.50
Miniature, equal to 2d size, named	2.00	15 00

NARCISSUS.

	100	1000
Von Sion, extra select	$1.00	$8 00
Poeticus	.30	2 00
Poeticus Ornatus	.65	7 00
Alba Plena Odorata	.60	5 00
Jonquil Campernelle	.30	2.00
All these sorts in equal mixture.	.60	5.00

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We offer for ONE WEEK following sorts:

SINGLE FORCING.	DOUBLE FORCING.
Canary Bird,	Duke of York,
Chrysolora,	Gloria Solis,
Cottage Maid,	Imp. Rubrum,
Joost v. Vondel,	La Candeur,
La Reine,	Rex Rubrorum,
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Rosamundi Huykman,	Tournesol.
Standard Royal Silver,	
Yellow Prince,	

Uniformly at 65 cts. a 100; $7 00 a 1000.
The above mixed, at 75 cts. a 100; $3.00 a 1000.

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In very finest sorts, 75 cts. a 100; $6 00 a 1000.

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1st size, Mammoth, separate or mixed. 25 cts. a 100; $1.75 a 1000.

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Single or Double, 75c. a 100; $5.00 a 1000.

IRIS.

	100	1000
Anglica	$0.60	$5 00
Hispanica	.40	3.00
Kæmpferi, extra strong, 12 for $1.25; $8.00 per 100.		

CALLA.

Spotted.....50 cts. a doz.; $3.00 a 100.

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A Late Arrival of

LILIUM LONGIFLORUM
AT HALF PRICE.

5x7		$1.50 a 100	$12.00 a 1000
7x9		2.75 a 100;	25.00 a 1000
		12	100
Lilium Auratum,	8x 9	$0 60	$4 00
" "	9x11	1.00	7.00
" Rubrum,	8x 9	60	4.00
" "	9x11	.85	6.00
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" "	9x11	85	6 00

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Finest strain of mammoth flowers, brilliant colors, white, rose, crimson, white or rose with dark eye. Separate, $1.00 a doz; $7.00 a 100.

Novelties for Easter Forcing READY NOW.

TREE PÆONIES.

In pure white, rose, red and variegated. Should be planted now in pots. Commands high prices for Easter bloom. If desired special directions will be given to insure best success. We offer fine stock, per plant, 65 cts; per dozen, $6.00; 25 plants, $10.00.

READY THIS MONTH.

Tuberous Rooted Begonias, single flowering, in white, rose, scarlet, red, yellow and orange.

	Doz.	100
1st size bulbs, 1½-2 inch diameter	$0.50	$2.75
2d " 1-1½ "	.40	2 25

Double Flowering, in separate colors—
1st size.....Dozen, 85c.; 100, $6.00
2d " 75c; 100, 5.00

Gloxinia Crassifolia Erecta, large bulbs, dozen, 5 cts; 100, $3.00. Separate colors, dozen, 6 cts; 100, $4 00.

Gladioli, early flowering Bona fide PEERLESS MIXTURE, 50 per cent. white and light, 100, $1.25; 1000, $10. 0

The favorite forcer Gladioli "MAY," large, bulbs TRUE, 100, $2 25; 1000, $20.00.
25 at 100 rates, 250 at 1000 rates.

FERNBALL

Do not delay ordering these—stock will be scarce. True long-leaved. Dozen, $4 00; 100, $30.00.



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SEEDS for December, January.
NEW CROPS

	100	1000	10,000
Asparagus Plumosus Nanus	$1.00	$9.00	$80.00
" Sprengeri	.50	4.00	30.00
Smilax.. oz 3 c; lb., $2.50	.30	2.50	20.00

Latania Borbonica.
Early forcing Sweet Pea Seed, oz., 5c.; lb., 20c. to 25c.

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Red and Pin Oaks, 10 to 14 feet
Hemlocks, 4 to 6 feet

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Nursery-grown, well furnished

NORWAY SPRUCE

3 to 4 feet	$25.00 per 100
4 to 5 feet	35.00 "
5 to 5½ feet	40.00 "

Baled, F. O. B., in lots of fifty or a hundred.

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Fine, large, stocky plants, Big Boston, Boston Market, Tennis Ball, and others. $1.00 per 1000.

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Norway and Sugar Maple and Siberian Arbor Vitæ.

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Large Shrubs

Well assorted. Send for list.

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PARSLEY Good curled extra strong, 25c. per 100; $1.50 per 1000.

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If wanted by mail, add 10c. per 100 on Cabbage, Lettuce and Cauliflower. 25c. per 100 on Parsley. Cash with order

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RHODODENDRONS,	AZALEAS,
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PÆONIES,	BLEEDING HEART,
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CLEMATIS and H. P. ROSES, in the best sorts.	

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Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas Pæonies.
Pot-grown plants for forcing,
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Shrubs, Vines and Roses

Write for price list or send your lists of wants for special prices.

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CALADIUMS

Fancy leaved, 40 named sorts.

Dry bulbs, 1½ to 2½ in., at $10.00 per 100; $90.00 per 1000
" " 1 to 1¼ " 8.00 " 70.00 "

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Best sorts, grafted on Citrus Trifoliata
Beautiful plants, bushy, 15-18 in., $30.00 per 100

PHOENIX CANARIENSIS AND TENUIS

Very Stocky.

3-4 characterized leaves,	15-18 in.,	$15.00 per 100
4-5 "	20-24 "	25.00 "
5-6 "	24-30 "	40.00 "

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Very Stocky, 3-4 characterized leaves, 15-18 in., $25.00 per 100.

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4-5 characterized leaves, 18-20 in., $25.00 per 100

BIOTA AUREA NANA

Best dwarf Biota, 12-15 in., $12.00 per 100

Not less than 50 at above rates.
Send for Price List.

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TO INSURE SAFE ARRIVAL OF PLANTS in cold weather, customers, when ordering, should give route by which plants should be shipped, and at same time notify agent in their end of line to place box in heated room until same can be called for by consignee.

Agents should be cautioned not to deliver plants except in heated wagon in freezing weather.



NEPHROLEPIS WITTBOLDII.

Strong plants from bench, ready for 3 inch pots, $1.00 each; $10.00 per Doz.; $75.00 per 100.

Kentias.

Varieties.	Size Pot.	Height Ins.	No. Leaves.	Each.	Per Doz.	Per 100
Belmoreana, 2½		8 to 9	3 to 4	$	$ 1.50	$12.00
Belmoreana, 3		10 to 12	4 to 5		2.00	15.00
Belmoreana, 3½		12 to 14	5 to 6	.25	3.00	20.00
Belmoreana, 4		14 to 16	5 to 7	.40	4.00	30.00
Belmoreana, 5		16 to 20	5 to 6	.75	7.20	60.00
" strong, 5		18 to 24	5 to 7	1.00	12.00	90.00
Belmoreana, 6		20 to 22	6 to 7	1.25	15.00	125.00
" strong, 6		26 to 28	6 to 7	1.50	18.00	180.00
Belmoreana, 7		36 to 40	6 to 7	2.25	27.00	200 00
Forsteriana, 2½		8 to 9	3 to 4		1.50	12.00
Forsteriana, 3		10 to 12	4 to 5		2.00	15.00
Forsteriana, 3½		12 to 14	5 to 6	.25	3.00	20.00
Forsteriana, 5		20 to 24	5 to 6	.75	7.20	60.00
" strong, 5		23 to 26	5 to 6	1.00	12.00	90.00
Forsteriana, 6		28 to 30	5 to 6	1.25	15.00	125.00
" strong, 6		30 to 34	6 to 7	1.50	18.00	180.00
Forsteriana, 8		44 to 50	6	3.25	39.00	300.00

Latanias.

Borbonica,	2¼		3		.60	5.00
Borbonica,	3	12	5 to 6		1.00	8.00
Borbonica,	3½	12 to 15	5 to 6	.15	1.50	12.00
Borbonica,	4	15 to 18	5 to 7	.25	3.00	20.00
Borbonica,	5	18 to 22	6 to 7	.50	5.00	35.00
Borbonica,	6	20 to 24	6 to 8	.60	6 00	50.00
Borbonica,	8	24 to 30		.75	9.00	

Variety.	Size Pot.	Height, Plants Ins.	in pot.		Per Doz.	Per 100
Areca Lutescens,	2½	5 to 6	3		$1.00	$8.00
Areca Lutescens,	3½	12 to 14	3	Ea.	2.00	15.00
Areca Lutescens,	4	15 to 18	3	$0.25	3.00	25.00

Asparagus.

Varieties.	Size pot.	Per Doz.	Per 100
Asparagus Plumosus Nanus	4 in.	$1.50	$12.00
Asparagus Sprengeri	2 in.	.50	4.00
Asparagus Sprengeri	4 in.	1.50	12.00

The several sizes of Asparagus Sprengeri are especially strong and large value.

Ferns.

Varieties.	Size pot.	Per Doz.	Per 100
Pteris Serrulata	2 in.	$0.50	$4.00
Pteris Umbrosa	2 in.	.50	4.00
Cyrtomium Falcatum	2 in.		4.00
Cyrtomium Falcatum	3 in.	1.00	8.00
Cyrtomium Falcatum	4 in.	1.50	10.00
Nephrolepis Exaltata	5 in.	2.00	15.00
Nephrolepis Bostoniensis	2 in.		4.00
Nephrolepis Bostoniensis	5 in.	3.00	
Nephrolepis Bostoniensis	6 in.	5.00	
Nephrolepis Bostoniensis	7 in.	12.00	
Nephrolepis Cordata Compacta, fine plants	6 in.	4.00	30.00
Nephrolepis Cordata Compacta, fine plants	5 in.	2.00	15.00

Miscellaneous.

	Each
Araucaria Excelsa, 4 inch	$0.50
Araucaria Excelsa, 4 inch, nice plants	.75
Araucaria Excelsa, 5 inch, nice plants	1.00
Corypha Gebanga, 3 in., 5 to 6 leaves, $3 per doz.	
Curculigo Recurvata, 4 inch	$2.00 per doz.
Curculigo Recurvata, 5 inch	$4.00 per doz.
Cyperus Alternifolius, 4 in	$1.00 per doz.
Cyperus Alternifolius, 5 in	$1.50 per doz.
Dracæna Terminalis, 3 in	$2.00 per doz.
Dracæna Terminalis, 4 in	$4.00 per doz.
Dracæna Terminalis, 5 in	$6.00 per doz.
English Ivy, strong, 4 in	$2.00 per doz.
English Ivy, strong, 5 in	$3.00 per doz.

	Pot	Height	Leaves	Each	Doz.	100
Aspidistra Lurida,	5	15-20	8-12	50c.	$6.00	
Cocos Weddeliana	3			25c.	2.00	15.00
Ficus Elastica	6	22-23	12-14	75c.	7.20	$60.00
Ficus Elastica	7	24-28	14-16		10.00	75.00
Maranta Kerchoviana	3½				2.00	
Pandanus Utilis	2½	6- 8	10-12		1.00	8.00
Pandanus Utilis	3	8-10	12-15		2.00	15.00
Pandanus Veitchii	8			$3.00	36.00	
Pandanus Veitchii	7			2.25	27.50	
Pandanus Veitchii, extra fine	6				16.00	
Peperomia Argyræa			4		2.00	
Peperonica Peltata			4		2.00	
Phœnix Reclinata	3		4- 6		1.50	10.00
Phœnix Canariensis	3		4- 6		1.50	10.00
Phœnix Reclinata	10	40-45	6- 8	8.50		Doz.
Sanseviera Java. Var.	2	in., strong plants				$0.60
Sanseviera Java. Var.	3	in., strong plants				1.20
Sanseviera Java. Var.	4	in., strong plants				2.00
Sanseviera Java. Var.	5	in.				3.00
Zingiber Officinale (Ginger Plant),	4	in.				2.00
Zingiber "	5	in.				3.00

THE GEO. WITTBOLD CO., Palms and Ferns, 1657 Buckingham Place, Chicago, Ill.

Mention this paper.

FOR CHRISTMAS DECORATION

XX and XXX CROWN BRAND HOLLY

THE BEST IN THE MARKET

Mention this paper.

Holly Trees with Berries, Aucuba Marmorata, Standard and Pyramidal Box, Cupressus, Retinospora and other Evergreens.

COLLECTION NOW ON EXHIBITION AT MY STORE.

C. H. JOOSTEN, Importer, 85 Dey Street, NEW YORK.

Now is the Time to Order Your **PALMS, Etc.,** FOR THE **HOLIDAYS** Before it is Too Cold to Ship by Freight.

ARECA LUTESCENS.

4 in. pots, 1 in a pot, 18 ins. high, strong.....$0.20
6 in. " 3 " " 20 " " ..... .50
6 in. " 3 " " 24 " " ..... .75
8 in. " 3 " " 36 to 40 ins. high, strong. 2.00
10 in. " 3 " " 48 ins. high..... 5.00

KENTIA BELMOREANA.

3 in. pots, 10 to 12 ins. high.....$0.18 to $0.20
4 in. " 14 ins. high..... .35
7 and 8 in. pots, 30 to 36 ins. high.....$2.50 to 3.00

KENTIA FORSTERIANA.

3 in. pots, 12 ins. high ..... $0.18 to $0.20
4 in. " 16 to 18 ins. high..... .35
10 in. " 40 to 45 " " 3 in a pot..... 5.00
12 in. " 60 to 75 " " strong single plants 15.00

CYCAS REVOLUTA.

6 to 10 leaves..... $1.00

LATANIA BORBONICA.

3 in. pots, 6 leaves.....$6.00 per 100; $50.00 per 1000
5 in. " 6 to 7 leaves .$4.00 per doz.; $25.00 per 100
6 in. " 7 to 8 " . 6.00 " 45.00 "

MISCELLANEOUS.

4 in. pots, Pandanus Utilis.
8 in. " " $1.25
8 in. " " Veitchii..... 0.75
8 in. " " 1.50
3 in. Dracæna Terminalis.....$ 8.00 per 100
4 in. " " ..... 15.00 "
5 in. " " $0.35
3 in. " Sanderiana.....$15.00 per 100
6 in. Aracaria Excelsa.....$0.75
6 in. Livistona Rotundifolia..... .75
3 in. Cocos Weddeliana.....$10.00 per 100

LEMUEL BALL, Wissinoming, PHILA., PA.

Mention the Florists' Exchange when writing.

ARECA LUTESCENS

3 plants, 6 inch pot, 24 to 28 inches.....$12.00 per doz.; $100.00 per 100.
3 plants, 8 inch pot, 36 inches.....$3.00 each; $36.00 per dozen.

COCOS WEDDELIANA.

1 plant, 2¼ in. pot, 8 to 10 in. high.....$15.00 per 100.
1 plant, 3 in. pot, 10 to 12 in. high..... 20.00 per 100.
1 plant, 4 in. pot, 18 in. high..... .50 each.
3 plants, 6 in. pot, 18 in. high..... 1.00 each.

KENTIA BELMOREANA.

	Per doz.	Per 100
4 in. pot, 5 to 6 leaves, 15 in. high	$4 50	$35 00
6 in. pot, 6 leaves, 24 in. high	15 00	125 00
8 in pot, 6 to 7 leaves, 30 to 32 in. high	each, $3 00	

KENTIA FORSTERIANA.

	Per doz.	Per 100 Each	Per 100 Doz.
4 in. pot, 4 to 5 leaves, 15 in. high	$4 50	$3 00	$35 00
8 in. pot, 8 leaves, 36 to 40 in. high		$3 00	$36 00
8 in. pot, 6 leaves, 48 to 50 in. high		4 00	48 00
6 in. pot, 5 leaves, 24 to 28 in. high		1 00	12 00
8 in. pot, 5 to 6 leaves, 30 in. high		1 25	15 00

All in perfect form and entirely free from insects or blemishes of any kind

All measurement from top of pot.

JOSEPH HEACOCK, - Wyncote, Pa.

Mention the Florists' Exchange when writing.

PALMS AND BOSTONS

WALTER RETZER & CO.,

2045-59 CLARENDON AVE., (N. Halstedt Street), Chicago, Ill.

Mention the Florists' Exchange when writing.

A. SPRENGERI

Extra strong plants, from 2½ in. pots, ready for 3 in.

$3.50 per 100; $30.00 per 1000.

The finest stock offered for this price.

JACKSON & PERKINS CO. NEWARK, NEW YORK.

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FINE CYCLAMEN

In 6 inch pots, as good as grown for Xmas, $6.00 per doz.

Also Strong

Boston Ferns

8 in. ¾ pots, $12.00 per doz.
Good value. Cash, or reference.

GEORGE A. RACKHAM, Detroit, Mich.
550 Van Dyke Ave.

Mention the Florists' Exchange when writing.

LATANIA PALM PLANTS

Pots	Plants to pot		Leaves	Per doz.
6 in.	1	20 to 22 in. high	6 and 7	$8 00
6 in.	2	20 to 22 "	10	9 00
6 in.	3	20 to 22 "	12 to 14	12 00
7 in.	1	2 ft. ht. & diam.	7 to 8	12 00
7 in.	2	2 " "	10 to 12	15 00
7 in.	3	2 " "	12 to 16	18 00
8 in.	1	2½ " "	8 to 9	18 00
8 in.	2	2½ " "	15	20 00
8 in.	3	2½ " "	18 to 20	24 00

Ficus Elastica, 6 in. pots, 2½ ft. high, 16 to 20 leaves, $9.00 per doz.; $65.00 per 100.

Pandanus Veitchii and Croton plants, prices on application.

CHRYSANTHEMUM STOCK PLANTS

as follows: Golden Wedding, Bonnaffon, Mrs. Robinson, White Ivory, Mrs. John Whilidin; strong clumps, 75c. per doz.; $5.00 per 100.

J. WM. COLFLESH, 53d and Woodland, W. Phila, Pa.

Mention the Florists' Exchange when writing.

ASPARAGUS PLUMOSUS

Extra fine. To clear out, 3 inch pots, $6.00 per 100; $50.00 per 1000.

CHARLES ZIMMER, West Collingswood, N. J.

Mention the Florists' Exchange when writing.

1000 KENTIA FORSTERIANA

Cool grown, 12 to 20 inches high, 4 inch pots, $15.00 to $35.00 per 100. Liberal discount for the whole lot, as I need the room for 10,000 seedlings. Cash.

H. F. ALBRIGHT, Jersey City Heights, N. J.
54 Columbia Avenue.

Mention the Florists' Exchange when writing.

Special offer of DECORATIVE PLANTS FOR THE HOLIDAYS.

Our stock of Palms this season is in exceptionally fine condition. Varieties and sizes enumerated below are such that are in stock in large quantities and of special good value. For complete list as well as for all other **SEASONABLE STOCK** see our **SPECIAL DECEMBER WHOLESALE PRICE LIST,** which was mailed to the entire trade a few days since.

ARECA LUTESCENS.

		Per Doz.	Per 100
3 in. pots,	2 plants in a pot, 12 to 15 in. high	$1 25	$10 00
4 " "	3 " " " 15 " "	3 00	25 00
5 " "	3 " " " 18 " "	4 50	35 00
6 " "	3 " " " 20 " "	9 00	75 00
6 " "	3 " " " 24 " "	12 00	100 00
8 " "	3 " " " 36 " "	$3 00 each.	
14 " "	grand bushy specimens, 7 ft.	25 00	
14 " "	" " " 8 " "	30 00	

KENTIA BELMOREANA.

		Per Doz.	Per 100
2¼ in. pots,	fine for Fern Dishes, 8 in. high	$1 50	$12 00
3 " "	4 to 5 leaves 12 " "	3 00	20 00
6 " "	6 " 24 " "	15 00	125 00
6 " "	6 to 7 " 28 " "	18 00	150 00

KENTIA FORSTERIANA.

			Per Doz.	Per 100
2¼ in. pots,	3 leaves,	8 in. high	$1 50	$12 00
3 " "	4 "	12 " "	2 50	20 00
4 " "	4 to 5 "	15 " "	4 00	30 00
6 " "	5 "	24 to 28 " "	12 00	100 00
6 " "	6 "	30 " "	15 00	125 00
6 " "	6 "	30 to 36 " "	18 00	150 00
7 " "	6 to 7 "	30 to 36 " "	$2 00 each.	
7 " "	6 to 7 "	36 to 42 " "	2 50	
9 " "	7 "	60 " "	7 50	
12 " "	7 "	6 to 7 ft. "	10 00	
12 " "	7 "	7 to 8 " "	15 00	
12 " "	7 "	8 to 9 " "	25 00	

LATANIA BORBONICA.

			Per Doz.	Per 100
3 in. pots,	5 leaves,	12 in. high	$1 00	$8 00
4 " "	5 "	12 to 15 " "	2 50	20 00
5 " "	5 "	15 " "	4 00	30 00
6 " "	5 to 6 "	15 to 18 " "	6 00	50 00
6 " "	5 to 6 "	18 to 20 " "	9 00	75 00

PANDANUS VEITCHII.

Grand plants from 6 in. pots...$1 00 each; $12 00 per doz.

ARAUCARIA EXCELSA.

4 inch pots,	6 inches high,	2 tiers	$0 40 each.
4 " "	8 " "	2 to 3 "	0 50 "
5 " "	12 " "	3 to 4 "	0 75 "
6 " "	20 to 22 " "	4 to 5 "	1 50 "

ARAUCARIA EXCELSA GLAUCA

5 inch pots,	8 inches high,	2 to 3 tiers	$0 75 each
6 " "	12 " "	3 "	1 25 "
7 " "	18 " "	4 "	1 75 "

ARAUCARIA ROBUSTA COMPACTA

5 inch pots,	10 to 12 inches high,	3 tiers	$1 25 each.
6 " "	14 to 15 " "	3 "	1 50 "
7 " "	15 " "	heavy	2 50 "

BAY TREES, Standard Shaped.

Stems	45 in. high,	crowns 24 in. in diameter	$6 00 each.
"	45 " "	30 " " "	7 50 "
"	45 " "	36 " " "	10 00 "
"	45 " "	40 " " "	12 50 "
"	45 " "	48 " " "	15 00 "

BAY TREES, Pyramidal Shaped.

5½ feet high,	34 in.	diameter at base		$7 50 each.
7 " "	36 "	" " "		10 00 "
8 " "	40 "	" " "		12 50 "
8 " "	44 "	" " "		15 00 "

FERNS.

A choice selection of mixed varieties in first-class assortmenta, suitable for Fern Dishes.

2¼ inch pots, $3 50 per 100; $30 00 per 1000.
3 " " 6 00 per 100; 50 00 per 1000.

FORCING PLANTS.

A fine stock of the following in dormant condition suitable for forcing.

AZALEA MOLLIS.

	Per Doz.	Per 100
Bushy, finely budded, 15 in. high	$5 00	$40 00

RHODODENDRON.

Bushy, finely budded, 12 to 15 in. high	$7 50
" " " 15 to 18 " "	9 00
" " " 18 to 20 " "	15 00

POT GROWN LILACS.

Fine pot grown plants of	Marie Legraye, Charles X. and Mme. Lemoine	6 00 45 00

YOUR LAST CHANCE to procure **AZALEAS** for Easter Forcing at Low Rates.

We will execute all orders for Azaleas received before December 25th at Fall Prices, and can still supply a full assortment of varieties. Fine bushy crowns well set with buds.

	Per Doz.	Per 100
10 to 12 inches in diameter	$4 50	$35 00
12 to 14 " " "	6 00	45 00
14 to 16 " " "	7 50	55 00
16 to 18 " " "	12 00	90 00
18 to 20 " " "	25 00	200 00
20 to 24 " " "	36 00	300 00

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA.

Chrysanthemum Novelties

OFFERED BY

NATHAN SMITH & SON.

IOLANTHA. In incurving pink, maturing Oct. 15th. Fine stem and foliage; height, 3½ feet; good from either bud, although second crown (about Sept. 5th) comes a few days earlier. Color a beautiful shade of soft pink. We consider this the best early pink yet produced. Certificated by C. S. A.

OMEGA. A second early yellow, the same shade as Mrs. J. J. Glessner. 7¼ inches in diameter; belongs to the V. Morel type, but having broader petals. In perfection Oct. 25th. Certificated by C. S. A.

MRS. ELMER D. SMITH. Of the many fine seedlings we have produced in the past ten years we consider this one possesses more points of excellence than any of its predecessors. A Jap. incurved of the most perfect form; full double, high rounded center; bright yellow, deeper than Golden Wedding. In the C. S. A. Cup Contest at Chicago it stood second, falling only one point behind the winner. The blooms in this exhibit were 7 inches in diameter. Stem and foliage perfect; height, scant 3 feet. This variety will rival Maj. Bonnaffon, being brighter in color, more dwarf, very similar in form, with much heavier and stronger stem. In season Nov. 1st to 10th. Four of the C. S. A. Committees gave this variety an average of 92.75 points.

Also Other Novelties and Best Standard Varieties.

WRITE FOR FULL LIST AND PRICES.

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

PRICE LIST

OF

CARNATION CUTTINGS

NOW READY.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

QUEEN LOUISE CARNATION.

This New Carnation produces the finest flowers, is perfectly healthy, and is the best white variety ever introduced.

IT BLOOMS EARLY. IT BLOOMS LATE.

IT BLOOMS ALL THE TIME.



From photograph of Queen Louise taken October 14th, 1900.

Our price list contains cuts from photographs taken every two weeks during the months of February, March, April, May, June, October and November.

No other Carnation can stand such a test.

Rooted Cuttings ready Feb. 15th. Price, $10.00 per 100; $75.00 per 1000.

Come and see it or send for circular.

J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

THE FINEST WHITE CHRYSANTHEMUM OF THE PAST TEN YEARS

Timothy Eaton

RAISED BY

MILLER & SONS, - Bracondale, Ontario

Who reserve the right to sell in Canada at prices named below.

THIS fine white variety is the largest, fullest, most perfectly formed that has ever been exhibited, and it has secured every prize for which it was entered, and the entries were numerous. It has been tested for three years, and those who have watched it claim that it is, first of all, an easy doer, and, quite as important, that it brings a full crop of perfect blooms on single stems, plants spaced 6x9 inches. No other white variety can hope to hold its own when placed against **Eaton**, nor bring so good returns to a given space.

ORDERS BOOKED NOW. DELIVERY APRIL 1, 1901.

PRICES

1 Plant, 50 Cents; 12 Plants, $5.00; 100 Plants, $30.00.

JOINT OWNERS IN THE UNITED STATES

THE E. G. HILL CO.
RICHMOND, INDIANA.

ROBT. CRAIG & SON
49th and Market Sts., PHILA., PA.

MILLER & SONS, Bracondale, Ontario, Will Sell to Canadian Customers.

Mention the Florists' Exchange when writing.

CALIFORNIA VIOLET ROOTS 1 YEAR OLD. 20,000 at $1.50 per 100 in 500 lots; $2.00 per 100 in 100 lots, or $1.50 for 50.
MRS. I. S. R. THOMSON, Florist,
191 East Main Street, Spartanburg, S. C.
Mention the Florists' Exchange when writing.

VIOLET RUNNERS
25,000 Strong Rooted Runners
Lady Campbell Violets.
From sand, $6.00 per 1000; from soil $7.50 per 1000. Samples free.
WM. SWAYNE, Kennett Square, Pa.
Mention the Florists' Exchange when writing.

SMILAX PLANTS, strong, bushy plants, 2 and 2½ in., $5 a 1000; 75 cts. a 100. CASH. Must be sold to make room. Sample free to intending buyers. Special price for larger lots.
R. KILBOURN, - - Clinton, N. Y.
Mention the Florists' Exchange when writing.

SMILAX
Large, bushy plants, ready to string, 2¼ in., $1.25 per 100; $10.00 per 1000.
MIGNONETTE Allen's Defiance, 2½ in., $2.50 per 100.
FORGET-ME-NOT Large clumps, 75 cts. per 100; $5.00 per 1000.
J. C. SCHMIDT, Bristol, Pa.
Mention the Florists' Exchange when writing.

Field-Grown Carnations
2000 ELDORADO, 2½ cts. each.
E. A. LLEWELLYN, Olean, N.Y.
Mention the Florists' Exchange when writing.

CHRYSANTHEMUM
WALTER MOLATSCH
All those not possessing this grand variety cannot afford to be without it, the finest early yellow in existence; excellent for pot and cut. Price f stock plants $4.00 per doz.
H. A. MOLATSCH, 68th St. & 8th Ave., **Brooklyn, N.Y.**
Mention the Florists' Exchange when writing.

ADOLPH C. FEHR,
Florist and Seedsman,
ROSES, CARNATIONS, SMILAX, CHRYSANTHEMUMS, Etc.
220 East Main St. Greenhouses, Carlyle Road,
BELLEVILLE, ILL.
Mention the Florists' Exchange when writing.

PINK BOUVARDIA Plants, from 4 in pots, $8.00 per 100.
CHRYSANTHEMUMS Stock Plants. Mrs. Jerome Jones, President Graham, the yellow Jones, and Maud Graham, $1.00 per dozen.
CHARLES E. MEEHAN,
Germantown, - Phila., Pa.
Mention the Florists' Exchange when writing.

Pansies Worth Raising
Again I can furnish, for immediate delivery, about 10,000 good PANSY PLANTS.
Price, $4.00 per 1000, f. o. b. express here.
Cash with order.
CHR. SOLTAU, 199 Grant Avenue, **Jersey City, N. J.**
Mention the Florists' Exchange when writing.

A NOVELTY IN PANSIES.
Pansy growers who fail to include the giant flowered **Mme. Perret** in their collections will not be "in it" next Spring. Gorgeous colorings and extra large flowers. Can be seen in bloom at my place now. Oz., $4.00; large trade pkt., 25c. Small sample free on application. All other varieties at lowest price.
BEAULIEU, Walker and Belmont Aves. **Woodhaven, N.Y.**
Mention the Florists' Exchange when writing.

PANSIES And Other **Hardy Plants**
Ready now from winter storage. Pansies, strong first-class, from seed bed, 60 cts. per 100, by mail; $4.00 per 1000, by express.
Helianthus M. Plenus, $2.00 per 100, by mail. Foxglove, Campanula, Helenium A. Superbum, Columbine, Phlox, Funkia Lancifolia, Golden Glow, Lemon Lily, Lychnis Viscaria, Iris, Delphinium, Hollyhocks, Mist, Coreopsis, Myrtle, etc., all at lowest cash prices.
Send list and get prices on stock wanted.
W. C. JENNISON, Natick, Mass.
Mention the Florists' Exchange when writing.

THE LARGEST FANCY CARNATION. READY MARCH 1st.

PROSPERITY

All Orders Filled in Strict Rotation.

PRICES FOR ROOTED CUTTINGS.

1 Plant	$0 50	50 Plants	$10 00	500 Plants	$70 00
12 Plants	5 00	100 "	16 00	750 "	101 25
25 "	8 25	250 "	37 50	1000 "	130 00

WRITE FOR FULL DESCRIPTION.

DAILLEDOUZE BROS., - Flatbush, N. Y.
Mention the Florists' Exchange when writing.

CHRYSANTHEMUMS
Stock plants of Ivory, Bonnaffon, Mrs. Perrin, 50 cts per doz. Merry Xmas, $1.00 per doz.
GERANIUMS, 2¼ inch pots..... $2.50 per 100
CUT SMILAX..... 20 cents per string.
Cash with Order.
WM KEIR, - Pikesville, Md.
Mention the Florists' Exchange when writing.

THE MAN WAS RIGHT
When he said **ETHEL CROCKER**
is absolutely the best Pink Carnation ever offered to the trade; those that are growing it are more than satisfied; every Florist should grow it next year. Fine healthy Rooted Cuttings, now ready, $4.00 per 100; $30.00 per 1000. Cash with Order.
W. W. COLES, - KOKOMO, IND.
Mention the Florists' Exchange when writing.

GENEVIEVE LORD
The greatest money-getting **PINK CARNATION** ever introduced; a descendant of Wm. Scott, but its superior in every way. A big claim; if you don't believe it, come and see it. Please note change in price of rooted cuttings for January 1st delivery and after: **$6.00 per 100; $50.00 per 1000.** Booking orders now. Deliver any time you say after January 1st, 1901.
CHRYSANTHEMUMS STOCK PLANTS.
New and old varieties. Write for prices.
H. WEBER & SONS, Oakland, Md.
Mention the Florists' Exchange when writing.

DOROTHY
Seedling pink carnation, Scott color. Commercially the best of all carnations yet introduced. Rooted cuttings, **$10.00 per 100; $75.00 per 1000.**

GENEVIEVE LORD
Rooted cuttings, **$6.00 per 100; $50.00 per 1000.**
Orders booked now for above varieties.
E. T. GRAVE, Richmond, Ind.
Mention the Florists' Exchange when writing.

ROOTED CUTTINGS
CARNATIONS.

	Per 100	Per 1000
MRS. LAWSON	$8.00	.....
ETHEL CROCKER	6.00	.....
MARQUIS	5.00	.....
GENEVIEVE LORD	5.00	.....
G. H. CRANE	2.50	$20.00
MRS. GEO. M. BRADT	2.50	20.00
EVANSTON	2.00	17.50
WHITE CLOUD	1.50	12.50
FLORA HILL	....	.....
DAYBREAK	....	.....
TRIUMPH	....	.....
JOOST	....	.....
ARMAZINDY	....	.....
TIDAL WAVE	....	.....
WM. SCOTT	1.00	8.00

ROSES.

KAISERIN	$1 50	$12.50
LA FRANCE	....	.....
METEOR	....	.....
PERLE	....	.....
BRIDESMAID	....	.....
BRIDE	....	.....
GOLDEN GATE	2.50	20.00

GEORGE REINBERG,
51 Wabash Ave., CHICAGO.

ORDERS NOW BOOKED FOR
ROOTED CUTTINGS
Of **CARNATIONS.**
CHICAGO CARNATION CO., Joliet, Illinois.
Mention the Florists' Exchange when writing.

GRALLERT & CO.
Carnation Growers,
Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.
COLMA, San Mateo Co., CAL.
Mention the Florists' Exchange when writing.

CARNATION PLANTS ALL SOLD.
Ready to book your orders for rooted cuttings of all the leading varieties for **Spring delivery.** Let me quote you prices before placing your orders.
WM. MURPHY, Wholesale Carnation Grower,
Sta. F., CINCINNATI, Ohio.
Mention the Florists' Exchange when writing.

CARNATIONS
WM. SWAYNE, Kennett Square, Pa.
Mention the Florists' Exchange when writing.

15% Discount BOOKING ORDERS OF Carnations
Rooted Cuttings of the following varieties, at 15 per cent. discount on all orders booked before January 1st.

Mrs. Thos. Lawson, $7.00 per 100; $60.00 per 1000.
Olympia, $6.00 per 100; $50.00 per 1000.
Marquis, Genevieve Lord, Estelle, Elm City, $5.00 per 100 or $40.00 per 1000.
Ethel Crocker, $4.00 per 100; $35.00 per 1000.
White Cloud, Joost, Jubilee, Flora Hill, $2.00 per 100; $15.00 per 1000.

Mrs. Geo. Bradt, G. H. Crane, America, Gold Nugget, Ferguson, L. Paul, Glacier, Sandusky, $3.00 per 100; $25.00 per 1000.

Scott, Armazindy, McGowan, Eldorado, Evanston, C. A. Dana, Meteor, Victor, $1.00 per 100; $10.00 per 1000.

DANA R. HERRON, Olean, N. Y.
Mention the Florists' Exchange when writing.

UNROOTED CARNATION CUTTINGS

	Per 100	Per 1000
Morning Glory, the coming Daybreak	$2.50	$20.00
Mrs. Bartlett (Dorner)	2.50	20.00
Genevieve Lord, light pink	1.50	10.00
E. Crocker, fine pink	1.75	12 50
Mrs. F. Joost, pink	.75	5.00
Glacier, white	1.00	7.50
Mary Wood, white	$1 00	$7.50
Gold Nugget, yellow	1.00	7.50
Gen. Maceo, maroon	1.50	12.50
Gen. Gomez, dark red	1.25	10.00
Morning Glory Rooted Cuttings,	5.00	40.00
G. H. Crane Rooted Cuttings	2.25	20.00

25 cuttings at 100 rates; 250 at 1000 rates.

PLANTS.

	Per 100
10,000 COLEUS, named, 10 vars., 2¼ in	$1.50
20,000 ALTERNANTHERAS, red pink and yellow, 2¼ in	1.50
1,000 SALVIAS, 2¼ in	1.50
3,000 SEDUM VARIEGATUM, 2¼ in	$1.50
5,000 CIGAR PLANTS, 2½ in	1.50
1,000 ASPARAGUS PLUMOSUS NANUS, 3 in	6 00
1,000 TRUE BOSTON FERNS, 3 in	5.00

THE MORRIS FLORAL CO., - Morris, Illinois.
Mention the Florists' Exchange when writing.

NEW CARNATIONS FOR 1901

LORNA (Dorner). Pure white, a decided improvement on White Cloud in size, habit, stem, form, color and continuous blooming
$10.00 per 100; $75.00 per 1000.

MERMAID (Dorner). Salmon pink, large flower, good color, early and extremely free. Stem a little weak after transplanting, but improves quickly. A good summer bloomer in the field.
$6.00 per 100; $50.00 per 1000.

ROOSEVELT (Ward). Rich brilliant scarlet, shaded maroon. Early and free. The peer of all dark Carnations.
$12.00 per 100; $100.00 per 1000.

PROSPERITY (Dailledouze). White, overlaid with pink. An exceptionally large Carnation. The winner of the Lawson Gold Medal in 1900.
$16.00 per 100; $130.00 per 1000.

IRENE (Crabb & Hunter). Commercial pink Carnation. Free and continuous bloomer. $10.00 per 100; $75.00 per 1000.

Let us Book Your Orders Now for the New Varieties. Also for the 1900 Novelties - CROCKER, LAWSON, G. LORD, MARQUIS, OLYMPIA and PERU.

WE MAKE A SPECIALTY OF ROOTED CUTTINGS.

F. DORNER & SONS CO., La Fayette, Ind.
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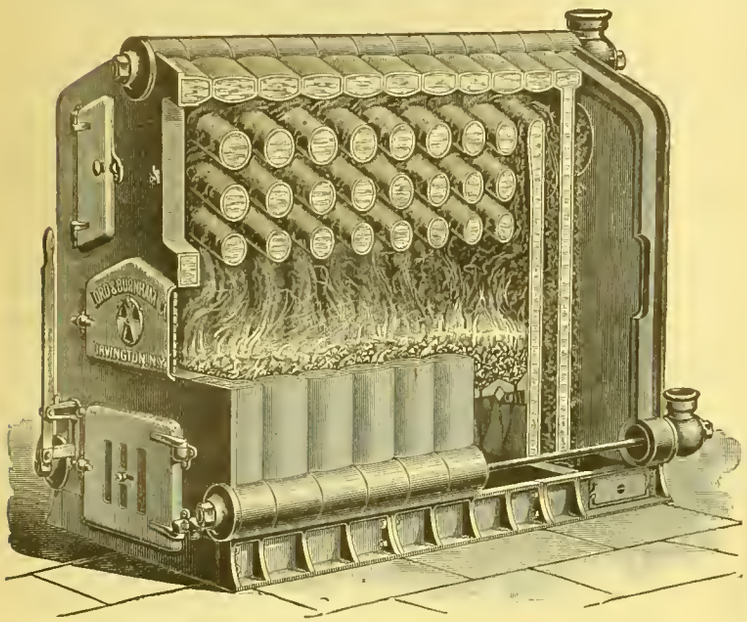
We Received the **HIGHEST AWARD** for our Sectional Heater at the Recent National Florists' Convention in New York.



NEW SECTIONAL HOT WATER HEATER.

WILL HEAT UP TO 16,500 FEET OF GLASS.

SPECIALLY ADAPTED TO LARGE RANGES.

LARGE HEATING SURFACE
PERFECT COMBUSTION
HIGHEST ECONOMY
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Also Heaters for smaller work. Catalogue of Greenhouse Heating and Ventilating Apparatus mailed from New York Office on receipt of five cents postage.

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Plans and estimates furnished on application for Heating and Ventilating Apparatus erected complete or for material only.

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GREENHOUSE GLASS

Linseed Oil, Putty, Mastica, White Lead, Etc., Etc., Glazier's and Florist's Diamond Glass Cutters, Van Reyper's Glazing Points.

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New Factory, Flushing Avenue, near Metropolitan Avenue, BROOKLYN, N. Y.

Are You Bothered with - - GREEN FLY
Is Your Greenhouse Full of - - MEALY BUG
Is Your House a Favorite Spot for - THRIPS
Are Your Choicest Plants Overrun with RED SPIDER ?

YES! Then Use

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Fumigating Compound

and in half an hour they will all be dead and your troubles ended. Guaranteed not to damage the foliage and flowers of the most tender plants. Write for full particulars to

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PERUVIAN GUANO

We have secured options on genuine **PERUVIAN GUANO** from several cargoes imported for the European trade; recent deposits on the original islands, Chinchas, Lobos, etc., and new discovered deposits; varying in ammonia from 10 to 15 per cent., and in phosphoric acid 10 to 20 per cent, with potash, lime, etc.; bright color, pungent odor; pure as imported, screened free from stones, feathers, etc., if desired. Write for samples, prices, etc., at once if interested in this importation.

Also BRAZILIAN PLANT FOOD and SCOTCH SOOT, and all fertilizing materials.

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PURE RAW BONE FLOUR

Prepared Especially for the Florists' Trade. Ground finer than flour and will give immediate results. Guaranteed free from **Acid** and absolutely **Pure.**

ALLEGHENY CITY FERTILIZER WORKS, HERR'S ISLAND, Allegheny, Pa.

Write for Sample and Price.

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IMP. LIQUID PLANT FOOD

Grows hardier stock; grows improved stock. Stock ships better; also ready earlier. Brings better customers and more profits.

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U. C. Ryerson, of Newark, Pays the Freight!

TOBACCO STEMS AND DUST

Guaranteed Extra Strong and Fresh

Stems, bales, 150 to 500 lbs., 75 cts. per 100.
Dust, packages, 25-50-100 lbs., 3cts. per lb.
U. CUTLER RYERSON, 108 Third Ave., Newark, N.J.

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STANDARD FLOWER POTS

Packed in small crates, easy to handle.

	Price per crate		Price per crate
1500 2 in. pots in crate,	$4.88	120 7 in. pots in crate,	$4.20
1500 2½ " "	5.25	60 8 " "	3.00
1500 2½ " "	6.00	48 9 " "	5.60
1000 3 " "	5.00	48 10 " "	4.80
800 3½ " "	5.80	24 11 " "	3.60
500 4 " "	4.50	24 12 " "	4.80
320 5 " "	4.51	12 14 " "	4.80
144 6 " "	316	6 16 " "	4.50

Seed pans, same price as pots. Send for price list of Cylinders for Cut Flowers, Hanging Baskets, Lawn Vases, etc. Ten per cent. off for cash with order.

Address Hilfinger Bros. Pottery, Fort Edward, N. Y

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Sulpho-Tobacco Soap

COMBINING the qualities of an absolute insect exterminator with those of a vigorous fertilizer. Recommended and in use by the foremost florists and nurserymen in the land. For Sale at the Seed Stores.

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RED STANDARD POTS

CORRECT SIZE. SUPERIOR QUALITY.
LOWEST PRICES
Write for List.

C. HENNECKE CO., MILWAUKEE, WIS.

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WHY NOT BUY RED POTS OF US?

STANDARD SIZE
Quality-No Better.
Carefully Packed In Small Crates. Easy to Handle.
PRICE LIST FREE.

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HEACOCK'S PREMIUM PALMS

CERTIFICATE OF MERIT FOR CULTURE, PENNA. HORT. SOCIETY, MARCH, 1900.
CERTIFICATE OF MERIT FOR CULTURE, PENNA. HORT. SOCIETY, NOVEMBER, 1900.

ONLY THE BEST GROWN IN THE BEST MANNER

IMMENSE STOCK free from INSECTS and DISEASE and in the BEST POSSIBLE CONDITION.
Send in Your CHRISTMAS ORD. R at Once and Avoid the RUSH and DISAPPOINTMENT of Late Orders.

ARECA LUTESCENS.

3 plants, 6 inch pot, 24 to 28 inches, $12.00 per doz.; $100.00 per 100.

3 plants, 8 in pot, 36 inch fine, $3.00 each.

COCOS WEDDELIANA.

1 plant, 3 inch pot, 12 inches high, $25.00 per 100.

3 plants, 5 inch pot, 18 inches high, $1.00 each; $100.00 per 100.

KENTIA BELMOREANA.

4 in. pot,	5 to 6 lvs,	15 in. high,	$4.50 per doz. ;	$35.00 per 100
6 "	6 lvs,	24 in. high,	15.00 "	25.00 "
8 "	6 to 7 lvs,	30 to 32 in. high,		3.00 each.

KENTIA FORSTERIANA.

4 in. pot,	4 to 5 lvs,	15 in. high,	$4.50 per doz.,	$35.00 per 100
6 "	5 lvs,	24 to 28 in. high,	$1.00 each;	12 00 per doz.
6 "	5 to 6 lvs,	30 in. high,	1.25 "	15.00 "
8 "	6 lvs,	36 to 40 in. high,	3.00 "	36.00 "

JOSEPH HEACOCK, Wyncote, Pa.

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COLEUS Crimson Vers., from 2½ inch pots, strong, 7 to 10 inch high, also some Golden Bedder, same at $2 per 100. Rooted Cuttings, 50c. per 100.
CASH WITH ORDER.
MRS. M. CAVANAUGH, Ionia, Ontario Co., N. Y.
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Grape Vines

Descriptive and Price List free.
Currants, Gooseberries and other Small Fruit Plants Extra quality. Warranted true.
T. S. HUBBARD CO., FREDONIA, N. Y.
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Clematis Paniculata

2 and 3 Years Old.

X size, per 10, $1.00; per 100, $8.00; per 1000, $75.00.
XX size, per 10, 1.25; per 100, 9.00; per 1000, 80.00.
Send your order now for Spring.

ED. BROCKMANN, Irondeqoit, N. Y.
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NATIVE RHODODENDRON

RHODODENDRON MAXIMUM, fine shapely plants, with good roots in sizes ranging from 12 inches up to 5 feet high, foliage to the ground and well branched. Every plant a specimen.
PRICES ON APPLICATION.
A. E. WOHLERT, - Altoona Pa.

ONLY 10,000 CAL. PRIVET LEFT

1½ to 3 feet, well branched.

Will close out at

$10.00 per 1000, Cash.

BYER BROS., Chambersburg, Pa.
Mention the Florists' Exchange when writing.

BOSTON FERNS

Pot.	Doz.	100	1000
2½ inch.....	$0 50	$3 00	$25.00
3 "	1.00	10.00	80.00
4 "	2.25	15 00	
5 "	4.00	30.00	
6 "	5.00	35.00	

N. CORDATA EXALTATA, fine and heavy, 4 inch, $1.75 a doz; $15.00 a 100.

Alternantheras, A. Nana yellow, P. Major red R. Nana pink, 50c. a 100, $1.00 a 1000.

Geraniums, fine assortment all the best varieties 2½ in., $2 00 a 100.

Cash with order.

A. J. BALDWIN, Newark, Ohio.
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TO CLOSE OUT

Rubbers Rubbers

2 ft., $5.00 per doz.; 3 ft., 75c. each.

Boston Fern . . . . . 3c.
Washington Fern (New) . 10c. to $1.00
Asparagus Plumosus, fine 4 inch, at $10.00 per 100.

Orders laid aside for Christmas.

Terms Cash.

F. H. KRAMER,
422 Centre Market, Washington, D. C.
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A Few Good Things You Want

KENTIA BELMOREANA and FORSTERIANA, 2½ in., 10c.; 3 in., 18c.; 4 in., 35c.; 5 in., 50c. each.
ARECA LUTESCENS, 3 in., 3 plants to pot, 18c.; 4 in., 25c. each. All cool grown, nice clean stock, and cannot be duplicated anywhere for the money.
BOSTON FERN, 3 in., $8.00; 4 in., $15.00; 5 in., $30.00 per 100.
SWORD FERN, Nephrolepis Cordata Compacta, 2½ in., $3.00 per 100.
REX BEGONIA, finest varieties, 2½ in., $4.00; 3 in., $6.00 per 100.
CAMPBELL VIOLET and VINCA VAR., 2½ in., $3.00 per 100.
PRIMULA CHINENSIS, 2 inch, $3.00; 3 inch, $4.00 per 100.
CYCLAMEN GIGANTEUM, 2½ inch, $4.00; 3 inch, $8.00 per 100.
ASPARAGUS Sprengeri and Plumosus, 2 in., $5.00; 3 in., $8.00 per 100 Cash with order.
CINERARIA, 2 inch, $2 00 per 100.
GERANIUMS, 2 inch, single Grant, $1.00 per 100; rooted Cuttings, $1.00 per 100.
GERANIUMS, 2 inch, Double Orant, Mme. Bruant, Mrs. E. G. Hill, Poitevine, Bonnat and S. A. Nutt, $3.00 per 100; Rooted Cuttings, $2.00 per 100.

GEO. M. EMMANS, Newton, N. J.
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PRIMROSES

Fine stock 4 inch pots, budding, at 10 cts.; $8.00 per 100.

Small Ferns, assorted.....$3.00 per 100.
Cryptomeria Japonica, in 4 inch pots at 75 cts.; $7 50 per dozen. CASH.

W. G. KRABER, 35 Tremont Street, New Bedford, Mass.
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FOR CHRISTMAS.

CRYPTOMERIA JAPONICA (JAPAN CEDAR) Sells well. Strong plants, 3 inch, $1.00 per doz; strong plants, 2 inch, $5.00 per 100. We also have the following small lots of plants on hand which will be sold cheap if taken at once: 500 Cinerarias, 2 inch, $1 75 per 100; 1000 Geraniums, mixed, 2 inch, $1.75 per 100; 200 Umbrella Plants, 3 inch, 8c.; 500 Asparagus Sprengeri, 2 inch, $2.25 per 100. Low express rates. Satisfaction guaranteed.

E. I RAWLINGS, Wholesale Florist, Quakertown, Pa
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FERNS IN VARIETY

For Dishes, 2¼ in., $3.00 per 100.

Cryptomeria Japonica, Japan Cedar, 2½,	per 100,	$5.00
Cyperus Alternifolius, 2½ in.....	"	2.00
" 3 in.....	"	5.00
Grevillea Robusta, 4 in	"	7.00
Cyclamen Giganteum, in bud, 3 in.....	"	7.00
" " " 4 in.....	per doz.,	1 50
I have a few 5 in.....	"	2 50
Baby Primrose, in bloom, fine plants, 3	"	.75
" " " " 4	"	1.00

Satisfaction Guaranteed. Low Express Rates.
J. S. BLOOM, - Riegelsville, Pa.
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Palm Gardens of
W. J. HESSER
Piattsmouth, Neb.,
Wholesale Grower of Palms Ferns and other Decorative Plants.
Largest stock in the West. Especially grown for the wholesale trade. Wholesale list to dealers. Send list of your wants and get special low prices.
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SPECIAL OFFER!

Cool grown, extra heavy

LATANIA BORBONICA

Out of 6 inch pots.....at $6.00 per dozen.

Give Us a Trial Order.

B. F. BARR, Lancaster, Pa.
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FERN SPORES

Of all florists' sorts, 35c. per trade pkt.; $1.00 per 1-64 oz.
List of Ferns and Fern Spores on application.
EDW. D. BROWN, Weldon, Pa.
Mention the Florists Exchange when writing

50,000 BOSTON FERNS



BOSTON FERN.

I MAKE A SPECIALTY OF

N. Exaltata Bostoniensis

Small plants, $4.00 per 100 or $30 00 per 1000. Large plants, $6 00 to $20.00 per 100. Taken from the bench.

Also in 5 inch pots, $3.00 per dozen; 6 inch pots, $6.00 per dozen; 7 inch pots, $9.00 per dozen; 8 inch pots, $1.00 and $1.50 each. Extra fine stock.

ALSO A FINE LOT OF

Kentias Belmoreana and Forsteriana, 5 inch pots, $6.00 per dozen; 6 inch pots, from $1.00 to $1.50 each; 7 inch pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 each Forsteriana, 3½ to 4 inch pots, $3.00 and $4.00 per dozen.

Chinese Primroses 5 inch pots, bud or bloom, $12.00 per 100.

Azaleas In Flower for Christmas, from 75 cts. to $2.50 each.

Asparagus Plumosus 3½ in pots, $10 a 100.

Araucaria Excelsa 20 to 24 in. high, 5 to 6 tiers, 6 inch pots, $1.50 each; larger size, $2 00 each.

Rubber Plants 20 to 32 in. high, $5 00–$9 00 a doz.

Assorted Ferns For Jardinieres, $3.50 per 100.

UNKNOWN CORRESPONDENTS WILL SEND CASH WITH ORDERS. Connected with Telephone.

WM. A. BOCK, No. Cambridge, Mass.

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Buy HOLLY But Buy It Right

THERE IS NO GUESSWORK ABOUT THE **HOLLY** YOU GET FROM **SUTHERLAND.**

Cases full, foliage green, berries abundant.
Prices as Low as the Right Quality Can be Bought.

This year our **XXX CHRISTMAS HOLLY,** delivered on time. Per case, $5.00; two cases, $9.00.

FOR SPECIAL USE In high-class trade we offer for the first time an extra fancy brand of selected **HOLLY,** all long branched, at $7.00 per case. Quantity limited. Special prices on larger lots.

READY TO QUOTE NOW ON ALL LINES OF

HOLIDAY GREENS and DECORATIVE GOODS.

English Mistletoe, Southern Smilax and Pines, Laurel, Holly and Pine Festooning and Wreaths.

CUT FLOWERS Daily receipts of High-Grade Flowers from noted special growers of **Roses, Carnations, Lily of the Valley, Violets** and **Bulbous Stock, Poinsettias, Orchids** and other fancy material.

GEORGE A. SUTHERLAND, 67 Bromfield St., Boston.
TELEPHONE, BOS ON 1270.

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PALM LEAVES
Fresh Green, Large Size, Long Stems, $6.00 a 1000.
Needle Pines, 3-4 feet, Long Leaf, $5.00 a 100.
ALL F. O. B. NEW YORK.
Cash with order. Prompt shipments. Quick deliveries.
FLORIDA NATURAL PRODUCTS CO.,
Jacksonville, Fla.

WILD SMILAX, GALAX LEAVES, FANCY FERNS, DAGGER FERNS
And all fresh green for decorating purposes. Also Prepared **Sago** and **Palm Leaves, Plants, Etc.** We guarantee the best goods that money can buy, and cheaper than any of our competitors. Prompt delivery guaranteed. Sub-contractors for Palm and Green decorations.
JOHN LASSEN & CO., 513-519 W. 25th St., New York.
Telephone, 1067 18th.

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XMAS GREENS

Laurel Roping, good and full, 4 cts. to 6 cts. per yard.
Laurel Wreaths, - - $15.00 to $20.00 per 100.

EVERYTHING IN THE GREEN LINE.

Order Early From Headquarters and Don't Get Disappointed.

HENRY M. ROBINSON & CO. 32, 34, 36 Court Square, **BOSTON, MASS.**

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Headquarters for

HOLLY. HOLLY.

All Goods Guaranteed.

C. S. HENDRICKSON

Dealer in

Virginia Holly

Maine Christmas Trees, Prince's Pine
and Imported
French and English Mistletoe

Warehouses: 308, 310, 312, 314 and 316 Greenwich St.

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Represented by J. H. G ATKINSON.

Cable Address, PRIMHEN. Telephone, 396 FRANKLIN.

Wholesale and retail at bottom prices. Special prices in carload lots. Call and see us before you place your orders, as we have the best HOLLY and MISTLETOE in the market and guarantee every case.

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NEW CROP

Galax Leaves and Leucothoe Sprays

ARE NOW READY FOR THE HOLIDAY TRADE.

Write for Prices to the Introducer

HARLAN P. KELSEY, Tremont Building, BOSTON, MASS.

SPECIAL PRICES TO THE TRADE.

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HUNT'S HOLIDAY DECORATIVE MATERIALS

HOLLY OF SUPERIOR QUALITY FOR THE FIRST CLASS TRADE.

Leucothoe Sprays, Wild Smilax, Ferns, Galax Leaves, Etc. Send for Lists.

A BIG DEMAND FOR HOLLY THIS YEAR, PARTIALLY OWING TO THE GREAT SCARCITY OF BOUQUET GREEN AND THE SUPERIOR QUALITY OF THE HOLLY. ∴ ∴ ∴ ∴

HUNT'S RIBBONS Send for Samples, Prices, Color Cards, etc., also for special prices on large orders. Send in a list of your needs and we will make up a selection of samples and quote you very low prices for the qualities shown.

REMEMBER Our line embraces all qualities, shades and widths, patterns and designs. We offer No. 16 from 85 cts. to $2.25 per bolt of 10 yds. and ranging in width from 23 to 28 lignes.

For Christmas—Hunt's Holly Berry Shade.

LARGE IMPORTATION OF FRESH IMMORTELLES AND CAPE FLOWERS

Red, White, Blue, Purple, Pink, $3.00 per doz.; $20.00 per 100. Yellow, $2.50 per 100; $18.00 per 1000.

CAPES, FAIRY FLOWERS, CHRISTMAS WIRE WORK

E. H. HUNT, Importer, Wholesaler, 76-78 WABASH AVENUE, Long Distance Phone, Central 1751. **CHICAGO, U. S. A.**

Mention the Florists' Exchange when writing.

YOUR ATTENTION IS CALLED TO OUR

SUPERB STOCK OF CHRISTMAS PLANTS

INCLUDING

GLOIRE DE LORRAINE BEGONIA
Of which we have the finest stock in America.

Specimens in pans . . . . $3.00 each.
7 in. pots . . . . . 2.00 "
6 in. " . . . . . 1.50 "

and smaller plants for basket work at 25c. and 50c. each.

AZALEAS.
In grand bloom for the Holidays.

Simon Mardner, red; **Vervæneana**, pink, and **Deutsche Perle**, white.

CYCLAMENS.
A superb lot at 75c., $1.00 and $1.50 each.

BOSTON FERNS.
In all sizes and in the finest condition.

ARAUCARIAS.
The finest stock in this country.

FICUS.
A particularly good lot of branched plants.

HARDY IVIES.
On Trellises, very well grown and shapely.

Also our usual fine stock of
PALMS, DRACÆNAS
and Decorative Plants.

Our Sterling Novelties for This Season:

Queen of Edgely
Robt. Scott
ROSES.

TIMOTHY EATON CHRYSANTHEMUM
The Greatest Chrysanthemum of the Year.

Also **Prosperity, Roosevelt, California Gold** and all the **LEADING NEW CARNATIONS.**

SEND FOR PRICE LIST.

ROBERT CRAIG & SON, Market and 49th Sts., Philadelphia.

Mention the Florists' Exchange when writing.



BOSTON FERN A SPECIALTY
20,000 Very Fine Plants at $25.00 and $20.00 per 100.
Small plants, $5.00 per 100; $40.00 per 1000.

Extra well-berried
SOLANUM (JERUSALEM CHERRY)
5 inch, at $20.00 per 100; $3.00 per dozen.

ASPARAGUS P. NANUS and SPRENGERI
For 4 inch, at $8.00 per 100.

L. H. FOSTER, 45 King Street, **Dorchester, Mass.**

Mention the Florists' Exchange when writing.

40,000
Kentias, Belmoreana and Forsteriana
Clean well grown stock in best market sizes—$35, $50, $75 and $100 per 100. See our wholesale list for sizes.

AZALEAS, Bushy Crowns well set with Buds.
10 to 12 inches in diameter.....$35 per 100 14 to 16 inches in diameter.....$50 per 100
12 to 14 inches in diameter..... 45 per 100 16 to 18 inches in diameter..... 12 per doz

ASPARAGUS PLUMOSUS NANUS.
Strong 2½ in. pots ready for shifting into 3 in...$5 per 100 Strong 3 in. pots....$8 per 100
Asparagus Sprengerii—2½ in..$5 per 100 *Asparagus Sprengerii*—3 in..$7 per 100

BOSTON FERNS.
Strong 2½ in. pot plants.....$40 per 1000 Strong 4 in. pot plants... .....$15 per 100
Strong 5 in. pot plants.....$1 per dozen

ROSES.
Strong two-year field grown. Excellent stock for forcing for Easter and Spring sales.
Crimson Ramblers—Extra strong, with canes 3 to 5 feet long.....$12 per 100 $100 per 1000.
Hybrid Perpetual—Large assortment of best forcing varieties.....$10 per 100 $90 per 1000.

Full assortment of French and Holland bulbs, Hardy Herbaceous Plants, Shrubs and Ornamental Trees.

THE STORRS & HARRISON CO., Painesville, Ohio.

Mention the Florists' Exchange when writing.

HEADQUARTERS
For Plants Now and for the Holidays,
IMPORTED DIRECT FROM THE GROWERS IN GHENT, BELGIUM AND OTHER PLACES

Having been to Belgium again myself, I am well posted on their system. As the growers there are all syndicated, I can assure you no one can obtain cheaper rates than I.

ARAUCARIAS
We are headquarters and can give you more value than any house in America can. Order quickly before stock is all gone, and while the weather is not too cold. This is a rare chance. I have only about 1000 left.
These I purchased myself and they are of my own selection during my trip to Belgium in September, and I can offer you special prices. No seedlings; raised from top cuttings only.

EXCELSA.
5 in. pots, fine thrifty plants, only 50 cts. each 5½ in. pots, 3 to 4 tiers, 12 in. high and above, 60 cts. to 70 cts.; 5½ to 6 in. pots, 3 to 4 tiers, strong, bushy plants, 75 cts. and 80 cts.; 6 in. pots, 16 in. high, $1.00; specimen plants, 6 in. pots, 5 to 6 tiers, 22 to 25 in. high, very fine, $1.75 to $2.00.

Araucaria Compacta Glauca, very fine, bushy, 6 in. pots, 18 to 25 in. across, $1.25; specimen plants, 6 to 7 in. pots, $1.50 to $2.25.

AZALEAS FOR CHRISTMAS BLOOMING.
Deutsche Perle (double pure white) and Vervæneana (pink variegated, the best of all), few flowers open and full of buds ready to open, from 50 cts. to $1.00 and $1.25.

AZALEAS Indica, large stock, my own selection while in Ghent, 10 to 12 inches, 35 cts. each.
Larger sizes, 40 cts. and 50 cts. each.
Specimen plants. Mme. Van der Cruyssen, $1 75 and $2.00 each.
Leading American varieties, such as Mme. Van der Cruyssen, Bernhard's Andrea Alba, Deutsche Perle, Empress of India, Prof. Walter, Simon Mardner, Vervæneana and others.

CORYPHA AUSTRALIS Hardiest palm of all Have 500 of them in 5 in. pots, 12 to 18 in. high, 45 cts. each.

Latania Borbonica, 6 in. pots, very fine, at the rate of $6.00 per doz.
Kentia Belmoreana, 5 in. pots, 35 cts.
Dracæna Brunnii, 5½ in. pots, 24 in. high, most favored house dracæna, 50 cts. each.
Dracæna Indivisa, specimen plants, imported, 6 in. pots, 30 to 36 in. high, 40 cts. each.

FICUS ELASTICA (Rubber plants).
Have 1500, imported last Spring:
5½ to 6 in. pots, $4.00 per doz.
Specimen plants, 6 in. pots, $5.00 per doz.

BEGONIAS SEMPERFLORENS GIGANTEUM.
Best blooming Winter Begonia, 6 in. pots, 25 cts. to 35 cts. each.
President Carnot, 5 in. pots, 25 cts. each.
Other Winter-blooming Begonias, leading varieties, 4 in. pots, 7 cts. each.

CHRYSANTHEMUM STOCK PLANTS
Merry Monarch, best early and profitable white 'mum in cultivation; strong clumps, 75 cts. per doz; $5.00 per 100.
(If pots are wanted add 2 cts. each.)

Asparagus Sprengerii, 4 in. pots, $1.20 per doz.
Chinese Primroses, bushy plants, 4 in. pots, that will bloom at Xmas, at the rate of $6.00 per 100; 5 in. pots, full of buds, $1.80 per doz.; 6 inch, large plants, $3.00 per doz.
Cyperus (Umbrella Plants), 4 in. pots, $17.00 per 100.
Large Honeysuckles, grown in 6 in. pots, 20 cts. each.
Hardy Ivies, strong plants, 3 in. pots, 7 cts. each.
Geraniums, 2½ in. pots leading varieties $2.50 per 100.

Cash with order, please. Money can be sent safely by Express or Post Office money order, registered letter, draft on Philadelphia banks, etc Goods must travel at purchaser's risk.
Mention if wanted in pots.

GODFREY ASCHMANN, 1012 ONTARIO STREET, RISING SUN, **Philadelphia, Pa.**
IMPORTER AND GROWER OF POT PLANTS.

Mention the Florists' Exchange when writing.

WHITE AZALEA INDICA

American grown, large crowns well set with buds, 8 in. pots, $4.00 and $6.00 per doz.

RUBBER PLANTS 18-21 in. high, 6 and 7 in. pots $4.00 and $8.00 per doz.

DRACAENA INDIVISA Pot-grown, 6 inch, fine, 40c. each. Cash.

C. Wm. Gotthardt, 265 Wickfield Ave., **Jersey City, N.J.**

Mention the Florists' Exchange when writing.

FERNS. FERNS.

This year our ferns are in fine shape. A good variety and fine bushy stock. 2¼ in. pots, $3.00 per 100; $28.00 per 1000.

Asparagus Plumosus Nanus, 2½ in. pots, strong, $6.00 per 100.

Asparagus Sprengeri, 2½ in. pots, strong, $4.00 per 100.

HENRY WESTON & BRO., Hempstead, N.Y.

Mention the Florists' Exchange when writing.

ASPARAGUS PLUMOSUS NANUS 2½ in., $5.00 per 100, $40.00 per 1000. 3 in., $7 per 100; $60 per 1000.

ASPARAGUS SPRENGERI, 2½ in; $3.50 per 100; $30.00 per 1000. 3 in.. $5.00 per 100; $40.00 per 1000.

FERN, PTERIS TREMULA, 2½ in., $2.50 per 100; $20.00 per 1000. 3 in., $4.50 per 100; $40.00 per 1000. Terms, cash. Address

S. ALFRED BAUR, Erie, Pa.

Successor to HENRY NIEMEYER.

Mention the Florists' Exchange when writing.

ORCHIDS

A splendid stock of established and unestablished Orchids always on hand. A number of varieties now in sheath and spike. Also Peat, Moss and Orchid baskets.

CORRESPONDENCE SOLICITED.

LAGER & HURRELL, Summit, N. J.

Mention the Florists' Exchange when writing.

PALMS and FERNS

Home Grown,
Fine, Clean Stock,
Grown Cool.

J. B. HEISS, The Exotic Nurseries, **Dayton, Ohio.**

Send for Price List.

Mention the Florists' Exchange when writing.

FINE PALMS

LATANIA BORBONICA, from 2½ in. pots $4.00 per 100; 3 in. pots, $7.00 per 100; 4 in. pots, $13.00 per 100; $2.40 per 12; 5 in. pots, $25 00 per 100; $1.50 per 12; 6 in. pots, $50.00 per 100; $7.25 per 12; from 8 in pots and larger, $2.50 each and upwards, according to size.

KENTIA Forsteriana and Belmoreana, from 2½ in. pots, $8.00 per 100; 3 in. pots, strong, $15.00 per 100; 4 in. pots, $30.00 per 100; 5 in. pots, 60.00 per 100, $8.00 per 12; 6 in. pots, $15.00 per 12, from 7 in. up at $1.75 each, and more according to size

ARECA LUTESCENS, from 2½ 3 and 4 in. pots, at $5.00, $8.00 and $20 00 per 100; 5 in. pots, $40 00 per 100, $6.00 per 12. Fine stock of larger plants from $1 50 upwards. Two fine specimen plants, about 10 ft. high, for $70 00 the pair.

COCOS WEDDELIANA, from 2½ in. pots, $10.00 per 100; 4 in. pots, $25.00 per 100.

PHŒNIX RECLINATA, 4 in. pots, $20.00 per 100; 5 in. pots, $35.00 per 100, $4.50 per 12. Larger plants from $1.00 up.

PHŒNIX RUPICOLA, 6 and 7 inch pots, $1.50 to $1.50 each.

FERNS Assorted, 2¼ in. pots, $3.00 per 100; 3, 4 and 6 in. pots at $7.00, $12.00 and $25.00 per 100; Nice large plants, from 50 cts. upwards

AZALEAS At $4.50 per 12 and upwards; fine plants in pots, including "Deutsche Perle," good for Christmas forcing.

JOHN BADER, Troy Hill, ALLEGHENY CITY, PA.

L. D Telephone, 872a.

Mention the Florists' Exchange when writing.

STUDER'S PRICE LIST,

Which please keep for future use, as I do not issue a catalogue, and this advertisement, which appears only once, contains all I have to offer. In thus saving expenses I am enabled to sell first-class stock at moderate prices. My aim is to grow the best plants possible in the smallest pots possible to save freight charges. Below I give a condensed description of my plants, for if depending on size of pots only you might be deceived. I quote here prices, the lowest possible for the quality offered, per single plant, so the small buyer will get stock as cheap as the larger one. I always add extras to help pay freight. This offer is good as long as stock lasts, which is crowding at present a bench space of over 20,000 square feet.

PALMS.	Pots.	Leaves.	High.	Each.
Kentia Belmoreana	7	7	50-in.	$3.50
" "	7	6 to 7	36	3.00
" "	7	6	24	2.50
Latania Borbonica	8	7	30	1.50
" "	8	6 to 7	24	1.25
" "	7	6	24	1.00
" "	3½	5	18	.20
Seaforthia Elegans	2 in pot	7	55	1.00
" "	1 in pot	7	50	.75
" "	1 in pot	6	40	.50
Areca Lutescens	2 in pot	5 to 7	36	.50
" "	2 in pot	5 to 7	24	.35
" "	1 in pot	4	20	.25
Corypha Australis	6	7	30	.50
Phœnix Tenuissima	6	7	30	.50
Cocos Weddeliana	4	6	20	.30
FERNS.				
Bostoniensis	10	50	36	2.00
"	8	35	80	1.00
"	6	24	30	.50
"	5	15	24	.35
Davallioides Furcans	8	35	30	1.00
" "	6	24	25	.50
Exaltata, Philippinense	6	21	24	.35
Washingtoniensis	8	18	50	1.25
DRACÆNAS.				
Lindeni & Massangeana	5	8	15	.50
Fragrans	5	10	18	.25
Terminalis	5	10	18	.25
Indivisa	6	15	24	.30

MISCELLANEOUS.	Pots.	Leaves.	High.	Each.
Dieffenbachia	5	8	18	$0.25
Crotons in mixture	5	15 to 20	20	.25
Anthurium Grande	5	5 to 6	18	.25
Pandanus Utilis	10	40	30	2.00
" "	4½	12	18	.25
Ficus Elastica	6	12	22	.35

SMALLER PALMS, FERNS, ETC.

Kentias, 3-inch, 10c.; 2-inch, 5c.; Latania Phœnix, Caryota Urens and Chamærops Excelsa, 5c. Ferns, Washingtoniensis and Dav. Furcans, 10c.; Bostoniensis, Exaltatas, also ferns for pans, and Selaginellas 4c.; Dracænas, Lindeni and Massangeana from 2½-inch, 15c.; Terminalis and Fragrans, 5c.; Indivisa, 3

PLANTS FOR JARDINIERES, FANCY BASKETS, ETC.

Maranta Zebrina, 3c.; Fittonias and Peperomias, 5c.; Tradescantias varg., 3c.; Antherieums, 5c.; Carex Japonica, 3c.; Sansevieras, 5c.

FANCY CLIMBERS AND VINES.

Stephanotis, Hoya Carnosa, Clerodendron Balfouri, Allamandas, Cissus Discolor, Jasmine grandiflora from 5 to 15 cents.

BLOOMING AND OTHER PLANTS.

Begonia Rex and blooming, var., Justicia, Hibiscus, Gardenia, Double Jasmine, Otahelte Orange (without fruits), Umbrella plants, Lemon Verbenas from 5 to 25 cents.

BEDDING PLANTS.

Geraniums, double pink, scarlet, crimson and salmon, single scarlet and salmon from 2-inch pots, 2½c.; rooted cuttings, 1½c.; assortment of 50 of the best varieties all labeled for $3.00. Verbenas, 35 best varieties in good mixture all named, 70c. per 100; $6.00 per 1000; 2c for 2-in. pot plants; Heliotrope, Ageratum, Salvia, Fuchsias, Basket plants, 1c. for rooted cuttings, 2c. for 2-in. pot plants; also Lantanas in variety.

HARDY PLANTS.

Large field-grown clumps of Rudbeckia Golden Glow, Phlox in variety. Pinks, Coreopsis, Gaillardias, Sunflowers, Aquilegia, etc., 6 cents.

LARGE FIELD-GROWN ROOTS.

Of best cut flower Dahlias, 8c.; Cannas, Pres. McKinley and Cleveland, Queen Charlotte and Ruth, a very dwarf yellow, 5c.; mixed other good kinds, 3 cents.

ROSES FIELD-GROWN.

Monthly and hybrid varieties, all popular kinds only in good mixture, 6 cents.

HARDY EVERGREENS.

For vases, window boxes, etc., dwarf and bushy, Arbor vitæ, Junipers, Norway and other spruce, Euonymus, Buxus, English Ivy and Vincas, 10 to 15 cents. Japanese maples and Maidenhair trees, 25 cents.

Cut Flowers at all seasons.

N. STUDER, ANACOSTIA, D. C.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.

1730 CAMBRIDGE ST.

ADIANTUM CUNEATUM

2½ in. pots, $4 per 100; 3½ in. pots, $5, $6, and $10 per 100.

SPRENGERI

2½ in. pots, $4 per 100.
3 in. pots, $5 per 100.

EDW. J. TAYLOR, Southport, Conn.

BALL'S PALMS, &c.

CHOICE, HARDY STOCK, Perfect in every respect.

Areca Lutescens, bushy, several plants together, 4 in at 25c.; 6 in. at 50c. and 75c.; 8 in. at $1.50; 10 in. at $4.00 and $5.00. Large bushy specimens, 14 and 16 in. pots, at $17.50 to $35.00.

Kentia Belmoreana, 3 in. at 20c. and 25c.; 4 in at 40c. and 50c.; 5 in. at 75c.; 6 in. at $1.00 and $1.25; 8 in. at $2.00.

Kentia Forsteriana, 3 in. at 20c. and 25c.; 4 in at 40c. and 50c.; 6 in. at 75c.

Latania Borbonica, 4 in. at 25c.; 6 in. at 50c. and 75c. Made up, 3 plants, 6 in. at 75c.; 8 in. at $1.00.

Livistona Rotundifolia, 4 in. at 40c.; 5 in., at 75c.

Pandanus Veitchii, 6 in. at 75c. and $1.00; 8 in at $2.00.

Cocos Weddeliana, Ficus Elastica, Dracæna Termiualis, Dracæna Sanderiana, Araucaria Excelsa, Etc., Etc.

Price List on application.

CHAS. D. BALL, Holmesburg, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

CYCLAMEN!

FOR IMMEDIATE SHIPMENT.

Cyclamen Persicum Splendens Giganteum, finest strain in the world, in four true colors, a splendid stock of plants, in bud or bloom, from 4 in. pots, $1.50 per doz; $12.00 per 100. From 3 inch pots, in bud, $7 00 per 100; $65.00 per 1000.

I solicit your patronage, and guarantee satisfaction.

PAUL MADER, East Stroudsburg, Pa.

FERNS OUR SPECIALTY.

A grand stock of MAIDEN HAIR FERNS, in 4 inch, ready for 5 inch pots, per 100, $15.00; per 1000, $140 00.

Full-grown plants, in 2¼ inch pots, ready for a shift, per 100, $4.00; per 1000, $35.00.

Fine lot of **ASSORTED FERNS,** for Jardinieres. All the best varieties, in 2¼ inch pots, per 100, $4.00; per 1000, $35.00.

An Excellent Stock of

ADIANTUM FARLEYENSE.

Over 10,000 now ready for the market.

6 inch pots	each,	$1.50;	per 1000, $140.00.
5 inch pots	"	1 00;	" " 95.00.
4 inch pots	"	.60;	" " 55.00.

Money returned if not satisfactory. Cash or C. O. D.

ANDERSON & CHRISTENSEN, Short Hills, N. J.

THESE plants have a long thrifty growth and are ready for a shift or immediate sale. They have been grown cool and can be safely shipped to any part of the country.

Boston Fern. From 2¼ inch pots, $3.00 per 100; $25.00 per 1000.

Asparagus Sprengeri. From 2¼ inch pots, $2.50 per 100; $20.00 per 1000. From 4 in. pots, $1.00 per doz., $8.00 per 100.

Asparagus P. Nanus. From 4 in. pots, $1.00 per doz., $8.00 per 100.

Asparagus Tenuissimus. Nice 2½ in. plants, $3 a 100.

Umbrella Plants. 2½ in., $2.50 per 100.

Cycas Revoluta. 7 to 10 leaves. $1.00 each.

Boston Ivy. (A. Veitchii.) Pot grown, $3.00 per 100; $25.00 per 1000.

200,000 Roses. From 2½ inch pots, $2 50 per 100; $20.00 per 1000.

Golden Gate, Crimson Rambler, La France, Striped La France, White La France, Mosella, Bride, Maid, Etoile de Lyon, Meteor, White Maman Cochet, Marechal Niel, Pink Maman Cochet, C. Soupert, Pink Soupert, The Queen, Muriel Graham, Burbank, Marie Van Houtte, Gen. Lee, Mrs. Degraw, P. Fere, Ahel Chatenay, Caroline Marniesse, Yellow Rambler, Empress of China.

Large 2-year-old H. P. Roses, well-branched, shapely plants, average 18 inches high, $1.00 per doz.; $8 00 per 100. Gen. Jacq., Dinsmore, Paul Neyron, Magna Charta, Mme. Masson, Vick's Caprice.

Cash With Order, Please.

THE JOHN A. DOYLE CO., Springfield, Ohio.

FIELD-GROWN DRACÆNAS

24 to 28 inches high, fine strong plants, $1.25 per doz.; $10.00 per 100.

175 SMILAX Extra fine, 2½ inch, at 2 cts.

S. S. PECKHAM, New Bedford, Mass.

Mention the Florists' Exchange when writing

FERNS For dishes, etc., in 6 of the leading varieties, from 2½ in., $3.00 per 100.

PRIMULA FORBESII In Bloom from 3 in. $4 00 per 100, from 4 in., $8 00 per 100.

PELARGONIUMS In six of best bloomers, mixed, from 3 in., $3 a 100.

Browallia Major, 3 inch, $4.00 per 100.

Cyperus (Umbrella Plants), 2½ inch, $2.00 per 100; 3 inch, $3.00 per 100

Cash With Order.

JOHN G. EISELE, 20th and Ontario Sts., PHILA., PA.

Mention the Florists' Exchange when writing.

FOR CHRISTMAS AND NEW YEAR.

FLOWERING PLANTS.

AZALEAS, from 50c.; 75c.; $1.00; $1 25; $1.50; $2.00; $2.50; $3 00; $4.00; $5.00 each. On band in 3 colors.

ERICA FRAGRANS, white, 50c.; 75c.; $1.00 to $5 00 each.

ERICA WILMOREANA, pink, 50c. and 75c. each.

EPACRIS, pink, new, $1.00 each.

CYCLAMEN, 35c. and 50c. each.

PRIMULA OBCONICA, $3.00 and $4.00 per dozen.

DAISIES, very large, $2.00 each.

FRUITED PLANTS.

ORANGES, 75c.; $1.00; $1.25; $1.50; $2.00 each.

PEPPERS, 35c. and 50c. each.

ARDISIA CRENULATA, 50c.; 75c.; $1.00; $1.50; $2 00 each.

JERUSALEM CHERRIES (Solanum) 25c. to $1.00 each.

BOSTON FERNS, 50c.; 75c.; $1.00; $1 50; $2.00 per pot or pan.

ARAUCARIA EXCELSA, 75c.; $1.00; $1 25; $1 50; $2.00 each.

ARAUCARIA GLAUCA, $2 to $3 each.

" **ROBUSTA COMPACTA,** $3.00 each.

FOLIAGE PLANTS.

RUBBERS, $4.00; $5.00; $6.00 per doz; very fine plants, about 2 feet high, $40.00 per 100.

LATANIAS, 3 in a pot, $1.50 each. Single, 50c to $1.50 each.

KENTIAS, all sizes, for centre pieces, from $1.50 per doz.

ASPIDISTRAS, $1.50 to $2.50 each, fine plants, variegated and green.

SMALL DRACÆNAS, $3.00 and $4.00 per dozen plants, 1 or 3 in a pot.

ASPARAGUS SPRENGERI, 50c and 75c. a pot.

Large stock of **BOXWOOD AND BAY TREES,** steady on hand.

CASH WITH ORDER, PLEASE.

When ordering, say how to ship, express or fast freight. Enclose $1.00 for packing orders up to $25.00; above that, $2.00.

A. SCHULTHEIS, P. O. Box 78, COLLEGE POINT, **QUEENS BOROUGH, N. Y.**

Mention the Florists' Exchange when writing.

AT A BARGAIN!

500 Bridesmaid Roses, 3 in., good stock, at $4 00 per 100; the 500 for $18 00 cash.

Palms, Kentia Belmoreana, 3 in., per 100, $7.00; 3 in.. per 100, $20 00.

Latania Borbonica, 3 in, per 100, $15.00.

Dracæna Sanderiana, 2 in, per doz., $1.50.

Selaginella Emmeliana, 2 in., per 100, $3.00.

Asparagus Sprengeri, fine, 2 in., per 100 $4 00

Grevillea Robusta, 3 in., per 100, $5.00.

Rex Begonias, 3 in., in 10 good varieties, per 100, $7.00.

SMILAX.

Good Stock, from Pots, at $1 25 per 100; $10 per 1000. *Satisfaction Guaranteed. Cash with order.*

GEO. L. MILLER, Newark, Ohio.

Mention the Florists' Exchange when writing.

LILIUM AURATUM.

Sizes, 8-9 and 9-11 inch on hand.

Prices on Application.

SUZUKI & IIDA, 11 Barclay St., New York.

Mention the Florists' Exchange when writing.

BULBS!! BULBS!!

EXCELSIOR PEARL TUBEROSE

and CALADIUM ESCULENTUM

All sizes, fine crop. Write for prices to

John F. Croom & Bro., Growers, Magnolia, N. C.

Mention the Florists' Exchange when writing.

HAVING DEVOTED MANY YEARS TO the careful selection and growing in our own greenhouses of

PRIMULA, PANSY

And other **Florists' Flower Seeds,** we are able to offer the very finest strains that can be produced For trade prices apply to

JAMES CARTER DUNNETT & BEALE,

Florists' Seed Specialists, High Holborn, London, Eng.

Mention the Florists' Exchange when writing.

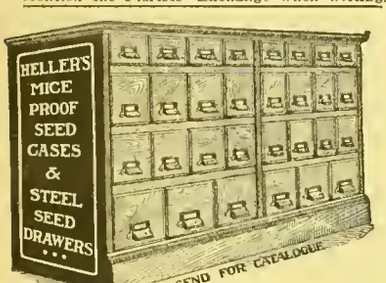
EXTRA CHOICE FLOWER SEEDS.

List free on application.

FRED. ROEMER, SEED GROWER,

Quedlinburg, Germany.

Mention the Florists' Exchange when writing.



HELLER & CO. MONTCLAIR, N.J. U.S.A.

Mention the Florists' Exchange when writing.

CALADIUMS

FANCY-LEAVED.

Ready in December a choice collection of named varieties, dry bulbs, as follows:

¾ to 1 in. diam	...$3.75 per 100;	$30.00 per 1000
Over 1 to 2 in. diam.	5.00 "	45.00 "
Over 2 to 3 in. diam.	12.00 "	

PHRYNIUM VARIEGATUM

Elegant foliage plant, green and white, dry tubers, $4.00 per 100; $25.00 per 1000.

THE JESSAMINE GARDENS, Jessamine, Fla.

Mention the Florists' Exchange when writing.

100 per 100 Sure to Germinate

Because picked on receipt of order.

MUSA ENSETE, $7.50 per 1000 seeds.

SEAFORTHIA ELEGANS, $5.00 per 1000 seeds.

PHŒNIX CANARIENSIS, $2.50 per 1000 seeds.

All Postpaid.

Our 1900 list of SEEDS mailed free.

So. California Acclimatizing Association,

Santa Barbara, Cal.

Mention the Florists' Exchange when writing.

WE NOW BOOK ORDERS

—FOR—

SPIRÆA

	Per 100
JAPONICA, large clumps,	$4 00
COMPACTA. "	4.00
ASTILBOIDES, "	4.00

TUBEROSES THE PEARL, 4 to 6 inch, per 1000, $5.00; 3 to 4 inch, $2.50 per 1000.

Net Cash With Order.

HULSEBOSCH BROS., Englewood, N. J.

Mention the Florists' Exchange when writing.

ASTER COSMOS PANSY SALVIA ZINNIA

BEANS CLOVER GRASS ONIONS PARSNIP

SEED TRADE REPORT

AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Cincinnati, O., President; F. W. BOLGIANO, First Vice-President; S. G. COURTEEN, Milwaukee, Wis., Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

Rochester, N. Y.— The firm of Briggs Brothers & Co., of Rochester, has been incorporated to deal in seeds; capital, $25,000. Directors—H. B. Hathaway, H. E. Stockbridge, and W. S. Briggs, Rochester.

The Seed Trade Outlook.—That there is a shortage of nearly all the leading varieties of vegetable seeds is generally understood, but its effect on the trade, as yet, has been but little considered. The fact of high prices being the result of short crops is one that follows the same conditions in all industries; it is simply a question of supply and demand. A shortage of seeds does not affect the consumer in the same ratio as does a scarcity of grains, fruits or any of the manufactured articles; as the cost of seed is very small in proportion to other expenses incident to the production of a crop of vegetables. He who buys seed by the packet will not pay a cent more for his supply than if the wholesale price had not advanced a particle. The cost of peas and beans, because of the advance, will be probably double what it would be in seasons of plenty, but the cost per acre will not be enhanced in proportion to the benefits to be derived from the smaller acreage that will be planted, and the economy that will be practiced in the sowing of seeds. The market gardener will sow or plant sparingly; in many instances he will not use more than half as much as when seeds are plentiful, hence cheap; and it is safe to say he will get larger crops by not overcrowding, besides considerable expense will be saved in thinning out.

Beans and peas are short, very short, particularly the latter. Many of the growers cannot fill half of their orders. One dealer told the writer he had ordered 100 bushels of a pea now in great demand, and did not get one specimen. That condition of affairs can be easily explained when the amount required for the coming season's planting is taken into consideration; and this fact is going to materially affect prices for several years to come. Some of the large growers put out 25,000 bushels of peas for seed purposes, and when peas are worth more than $3 per bushel, it means a very large capital to be invested, which will be a long time in returning.

The commission trade will suffer from high prices, in a measure. Not so much on fine seeds as upon beans and peas, which cannot be manipulated to the same extent as cabbage, turnips and carrots. On the other hand, it will gain by an increase of sales. A certain class of "inducements" will not be held out for the purpose of building up trade; 16 packets of seed for a quarter is about as bad as the 16-to-1 financial policy.

The wholesale trade should benefit from non-competition by those who take the advantage of the surplus market, buy up surpluses at a ruinous rate, and sell to the trucker at less than wholesale values. It is to be hoped, in the interest of the trade, that the large dealers will not supply the market gardeners at lower rates than they would the smaller dealers, their customers as was the case last year.

The trade has now an opportunity to do a profitable business for some years to come; the shortage along many lines will stimulate an advance on all, which can be kept up for some time, if they so will it. The Seedsmen's League, we think, is giving this matter due attention, and will undoubtedly protect the interests of its members.

LILY OF THE VALLEY

Just arrived from best European grower.

Berlin Crowns, extra selected quality, $10.00 per 1000; case of 2,000, $19.00.

Hamburg Crowns, first selected quality, $9.00 per 1000; case of 2500, $21 00

JACKSON & PERKINS CO., NEWARK, NEW YORK.

Mention the Florists' Exchange when writing

PALM SEEDS

Fresh on Hand.

Chamærops Excelsa (in 10 lb. lots at 30c.)	per lb.,		40c.
Washingtonia Robusta	"		75c.
	Per 100	1000	5000
Erythea Edulis (Brahea Edulis)	.50c.	$4.00	$15.00
Phœnix Canariensis	50c.		2.00
Phœnix Reclinata	.25c.	$2.00	8.75

GERMAIN SEED & PLANT CO., Los Angeles, Cal.

Mention the Florists' Exchange when writing

BURPEE'S SEEDS

PHILADELPHIA

WHOLESALE PRICE LIST FOR FLORISTS AND MARKET GARDENERS

Mention the Florists' Exchange when writing.

Government Seed Testing.

The following article on this subject is extracted from the Report of the Secretary of Agriculture for 1900:

As the mandate of Congress has laid upon the Department of Agriculture the work of purchasing and distributing larger amounts of seed than ever before, the duty of carrying out this task in an effective manner has become still more imperative than formerly. For several years past the Division of Botany, by my direction, has tested the seeds of the Congressional distribution to ascertain their mechanical purity and germination. The importance of these tests will be appreciated when it is known that the average mechanical purity of the seeds distributed last year was 97.3. The average germination of the same seeds was 91.4. These averages, I consider, indicate the high character of the seeds in the Congressional distribution, so far as mechanical purity and germination are concerned. It has been alleged, however, that while the seeds distributed by the Department were of highly creditable germination and mechanical purity, they were deficient in purity of stock, genuineness, or trueness to name. Tests to ascertain the validity of these allegations were therefore inaugurated. These tests show that the average purity of stock last year was 86.7 per cent. Therefore, although the extent of this defect has been greatly exaggerated by those opposed to the policy of seed distribution, there is nevertheless sufficient reason to warrant me in taking steps to effect a remedy. I have therefore established the following standard for purity of stock:

The standard of trueness to name for each variety shall be the average of the percentage of trueness to name in not less than five commercial samples of the same variety purchased under the direction of the Secretary of Agriculture in the open market from five or more reliable seed houses, and the Secretary of Agriculture shall be the sole judge of the results of the tests reported by the officer or officers charged therewith by him. Not less than one hundred plants from each lot of the seeds furnished by the contractor shall constitute a test.

The maintenance of the high standards for seeds distributed at the direction of Congress will place these seeds above reproach. There is, however, another improvement which I propose to inaugurate in the Congressional distribution. The Department has maintained for some years past a trial ground, in which it has made comparative tests of the standard varieties of vegetables, and also of many of the novelties which are placed on the market by American seedsmen. These experiments have shown that each year there are offered new varieties of established superiority, which the Department without difficulty can secure and distribute. By proper handling, these novelties can be purchased at prices little if at all higher than those of the common varieties heretofore included in the Congressional distribution. Furthermore, it will be remembered that three years ago, with the permission of Congress, I set apart from the seed appropriation a fund to be devoted to the introduction of new and valuable seeds and plants from foreign countries. The plants thus introduced have been tested by the various State experiment stations, by properly qualified private experimenters, and by the Department itself, most of our own experiments having been conducted on the Potomac Flats testing grounds, placed at our disposal two years ago by authority of Congress and by permission of the Secretary of War.

Several plants thus introduced have, as heretofore reported, demonstrated their capacity of increasing the agricultural products of our country by millions of dollars annually. Some of these seeds should be very widely distributed. It should, therefore, be the policy of the Department to introduce into the Congressional seed distribution new varieties of established superiority developed in the United States or imported from foreign countries, to distribute these varieties for one or more years until they have been sufficiently brought to the attention of the people, and then to discontinue their distribution, leaving the demand thus created to be supplied through the ordinary commercial channels. In this way the Department will be enabled to carry out the original intent of the seed-distribution law, will furnish seeds of the highest character, and will avoid the evil of competition with the regular seed trade.

* * *

It appears from the report of the Assistant Secretary on the purchase and distribution of seeds, that of the total appropriation for this purpose of $130,000 there has been expended during the fiscal year $127,654, of which $24,293.73 was for salaries of employees engaged in seed distribution and $20,000 was devoted as provided by Congress for the purchase of rare and valuable foreign seeds and plants distributed through the agency of the Section of Seed and Plant Introduction, and which have already been covered in the present report.

The records of the Seed Division show that apart from $2,120.91 expended for miscellaneous seeds, and $1,663 for vegetable and field seeds distributed to sufferers by flood in Texas, there were purchased 14,738,968 packets of seeds of all sorts, of which 13,531,469 were distributed to Senators, Representatives and Delegates in Congress, an excess over the two-thirds reserved by law for Members of Congress of 3,705,490 packets.

Seedsmen's Non-Warranty Clause.

Editor Florists' Exchange:

The wise men of the Department of Agriculture have seen a light—a bright light; they have unearthed a seed house that has discovered a difference between field seeds and vegetable seeds, so that a guarantee can be given on the former that could not be done on the latter. This is apparently what Mr. Pieters means by the following quotations:

"Northrup, King & Co., of Minneapolis, Minn., offer terms of sale that commend themselves because they cover just this point. Their terms read 'Satisfaction guaranteed. Purchasers ordering our best grades may return them at our expense, if not found entirely satisfactory on receipt and examination, and the money that has been paid for seed and freight will be promptly refunded.'

"Of course, the firm cannot make this offer for all grades of seed, but they show their confidence in the quality of their sterling brand and give a practical assurance to buyers that these seeds are good. Such terms are even more liberal than a specific guarantee, because the firm takes the chances of meeting a very critical custom and having seed returned, not because it is poor, but because the buyer thinks it ought to be better."

Now, we would like to ask how Northrup, King and Co.'s guarantee differs from that of all other seedsmen. They say if the seed is not satisfactory it can be returned at once, or on receipt, and the money will be refunded. They do not say—no seedsman can say—they will return the money if the seeds have been put to a test and found wanting. They only guarantee satisfaction so far as appearances go; and if the customers do not like the looks of the seed they can return the seed and get their money back. This is precisely what all others in the trade do who use the guarantee clause. We do not know of one that has been compelled to use or adopt that clause (which has been made necessary by unscrupulous buyers) but what gives their customers the same privilege.

We know very well that the firm named

will do just as they agree being perfectly upright in all their dealings; but no more so than others—many others. No one can be straighter than straight, and that is just what the trade, as nearly as any other class of business men, desire to be. But the taking advertisement does not by any means show a new departure in the line of guarantee.

ONE IN THE TRADE.

HEADQUARTERS FOR

LORRAINE BEGONIAS

We offer the following for immediate delivery:

BEGONIA GLOIRE DE LORRAINE

Fine strong plants from 2¼-in. pots, $15.00 per 100; 3-¼in. pots, $25.00 per 100.

Begonia Gloire de Lorraine Nana Compacta

Fine strong plants from 2¼-in. pots, $15.00 per 100; 3½-in. pots, $27.50 per 100.

We especially recommend the 3½-in. size as being exceptionally well rooted and of strong, healthy growth; almost ready for a shift to a 6-in. pot. These plants should find a ready sale at Christmas, as they will be in full flower at the time.

Fine Plants in flower, in 6-inch pans, at $1.00 each.

Begonia Caledonia, the White Lorraine

Plants from 3½-in. pots, $5.00 each.

We are the only Firm in America offering this fine new Novelty this year.

R. & J. FARQUHAR & CO., 16 & 19 South Market St., Boston, Mass.

Mention the Florists' Exchange when writing.

SURPLUS STOCK === MUST HAVE ROOM

THIS OFFER FOR ONE WEEK ONLY.

	Per 100
Baby Primrose, in flats	$2.00
" " 2 inch	3.00
" " 2¼ inch	4.00
Vinca Variegata, 2¼ inch	2.50
" " 3 inch	4.00

	Per 100
Vinca Variegata, 3½ inch	$8.00
" " 4 inch	10.00
" " 5 inch	15.00
" rooted cuttings, $10.00 per 1000	1.25

WILL EXCHANGE for Elm City and Phenomenal Fuchsia Stock Plants.

Send for List and Prices of Plants and Cuttings. **TERMS CASH or C. O. D.**

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

BEGONIA "LIGHT PINK LORRAINE."

"If at first you don't succeed, try, try, try again."

This is reply to some Florists and Gardeners who have bought **BEGONIA GLOIRE DE LORRAINE,** and same failed to develop, under the treatment given, to their entire satisfaction.

"LORRAINE" Begonias have come to stay, being the grandest flowering plant ever introduced, especially for the gay and festive Christmas-time, and "LIGHT PINK LORRAINE" is the best stayer of them all.

Listen to what Messrs. Pennock Bros., Philadelphia, Pa., said about its staying qualities last Christmas:

PHILADELPHIA, December 26, 1899.

MR. EDWIN LONSDALE:

Dear Sir—We wish to tell you how much we are pleased with the sport from Begonia Gloire de Lorraine having delicate pink flowers, which you sold us. It is of value not only for the exquisite color and largeness of its flowers, but what is of even more importance than these qualifications to the retailer is *its lasting qualities.*

In decorating our window last week two of these plants were put in among a number of the original Lorraines, and while the plants of the older Lorraines lost their flowers, some "LIGHT PINK LORRAINE" is to-day in as good shape as when put in, and in decorating yesterday they were again used

Our customers seemed to like it, for they were the first to sell, and had we known these two were in the window they could have been sold many times over.

Thinking you would be interested in knowing how well it has done with us, we are,

Yours very truly,
(Signed) PENNOCK BROS.

Fine 3 Inch pot Plants, in full bloom, $5.00 per doz.; $40.00 per 100.

EDWIN LONSDALE, Wyndmoor, Pa.

Mention the Florists' Exchange when writing.

FORCING PLANTS

AZALEA INDICA, see former issue.

SPIRÆAS.

Japonica	$3.50 per 100	Palmata Scarlet	$5.00 per 100
Compacta	4.00 "	" Elegans	5.00 "
Astilboides Floribunda	4.00 "	" Alba	5.00 "
Plumosa Alba (New)	15.00 "		

DIELYTRA SPECTABILIS (Bleeding Hart) . . . . . 5.00 "
PÆONIA OFFICINALIS rubra pl. . . . . . 8.00 "
" " **alba pleno** . . . . . 20.00 "
" **TENUIFOLIA fl. pl.** . . . . . 18.00 "

MONTHLY ROSES

Hermosa, pink	10.00 "
Agrippina, dark red	10.00 "
Clothilde Soupert	12 00 "

H. P. ROSES, low budded, leading varieties . . . . . 10.00 "
CRIMSON RAMBLER, extra strong . . . . . 15.00 "
HYDRANGEA OTAKSA, 4-6 shoots . . . . . 12.00 "

BOBBINK & ATKINS, Rutherford, N. J.

Mention the Florists' Exchange when writing.

IF YOU NEED ROSES
Send us your list for prices.
THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.

Mention the Florists' Exchange when writing.

CINERARIAS

From Benary, Cannell and Sutton's prize show flowers saved, dwarf and semi-dwarf, giant flowered, finest colors and shades; 2¼-in., $2.50 per 100. Cash with order, please.

Shellroad Greenhouses, Grange P. O., Balto., Md.

Mention the Florists' Exchange when writing.

ROSES For Spring Blooming.

The proper sorts. Clothilde Soupert, Gen. Jacqueminot, La France, Coquette des Blanches, Coquette des Alps, etc., fine 1 and 2 year field-grown plants that have never been forced, suitable for 5 inch pots, at 5c. Some extra strong, suitable for 6 and 8 in. pots, at 9c.

Large-Flowered Clematis, for forcing. Purple-White and Lavender sorts, from 5 inch pots, 18c.

Clematis Paniculata, fine 3 year plants, 10c.; fine 2 year, at 8c. Packing free for Cash. Also some sound second-hand 3 and 4 inch Pipe to offer, cheap.

W. H. SALTER, Rochester, N. Y.

Mention the Florists' Exchange when writing.

Crimson Rambler and Vinca Major Var.

Field grown Crimson Rambler, 2 yr., with lots of fibrous roots, 3½ to 4 ft., $1.50 per doz.; 50 for $6.00.

Extra strong Vinca Major variegated, $6.00 per 100; 200 for $10.00, with several shoots, from 5 and 6 in. pots

Spiræa Anthony Waterer, for Easter, 2 yr., at $1.00 per doz.; **D. Gracilis,** 2 yr., same price.

Mayflower and **Lorrillard Tomato,** plants for forcing, $2.00 per 100. Cash, please.

BENJ. CONNELL, Florist, West Grove, Pa.

Mention the Florists' Exchange when writing.

ROSE PLANTS

In varieties, from 2¼, 3 and 4 inch pots. Write for prices.

	100
Lemon Verbena, 3 in. pots	$4 00
Sansevieria Zeylanica, 3 in. pots	6.00
Asparagus Plumosus, 2½ in. pots	5 00
Asparagus Sprengeri, 2½ in. pots	4.00
Nephrolepis Cordata Compacta, 2½ in.	3.00
N. Cordata Compacta, 3 in. pots, per doz.,	6.00
Field-Grown, Scotch Hardy Pinks, at $3.50 per 100; $30.00 per 1000. 6 varieties.	

THE NATIONAL PLANT CO., Dayton, Ohio

Mention the Florists' Exchange when writing.

Snowflake Rose (see Phila. notes, page 1143, Dec. 1st issue). New, ever-blooming Polyantha white cluster, for forcing. Will be a coming white standard material for fine design work, etc. True and good, by no mistake; easy to raise, easy to propagate. Plants, 2 inch pots, $15.00 per 100; good rooted cuttings, $10.00 per 100. Sample box, by mail, contains 6 plants, 2 sizes on flower spray, $1.00. **Asparagus Sprengeri Seed,** own, fresh crop, $3.00 per 1000 seeds.

Albert Knapper, Clematist, Frankford, Phila., Pa.

Mention the Florists' Exchange when writing.

FOR EASTER

Easy to force

Cumberland Belle

New Climbing Moss Rose.

Grand companion to Crimson Rambler.

Strong, pot-grown, 6 and 7 in pots, 50 cts. each; $5.00 per doz.

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

ROSES

Strong, field-grown plants of **White** and **Pink Maman Cochet,** at $10.00 per 100. The finest roses ever introduced for summer blooming.

HARDY ENGLISH IVY

Strong plants, grown in 4 in. pots, 3 to 4 feet long, $10.00 per 100.

I. H. MOSS,
GOVANSTOWN, - BALTIMORE, MD.

Mention the Florists' Exchange when writing.

Crimson Rambler Roses

Especially adapted for **Florists' Forcing.** These plants have fibrous roots, are easily potted, and having plenty of roots, make lots of bloom. Get some and try them.

$12.00 per 100. Extra size, $15.00.

New Cannas

Write for descriptive circular of our set of 9 new **AMERICAN PEDIGREE CANNAS,** including the hybrid orchid-flowering Canna

PENNSYLVANIA

A free bloomer, with large, bright scarlet flowers.

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

Flowers for the Holidays

SUPERB | Violets, Valley, Orchids, Roses and Carnations

YOUNG & NUGENT

Wholesale Florists

Telephone, 2065 Madison Square

42 W. 28th St., NEW YORK

We Ship all over the United States Choice Selected Stock that the Finest and Best Growers Can Produce, at New York Market Prices

PRICE LIST ON APPLICATION

No Extra Charge for Packing by Expert Handlers

Mention the Florists' Exchange when writing

HART'S Consignors

Are keeping him supplied with FIRST QUALITY ROSES, CARNATIONS, VIOLETS and BULBOUS Flowers.

HART'S Customers

Can buy these and all other seasonable flowers, fresh and carefully handled, at favorable New York market prices.

Growers and Retailers will find it to their advantage to get acquainted at

M. A. HART'S

Wholesale Cut Flower Store

44 W. 29th St., NEW YORK.

CONSIGNMEMTS WELL SOLD AND RETURNS PROMPT.

Telephone, 325 MADISON SQUARE.

Mention the Florists' Exchange when writing.

W. GHORMLEY

Wholesale Florist

57 WEST 28th STREET, NEW YORK

TELEPHONE, 2200 MADISON SQUARE

I AM receiving daily the **Choicest American Beauties, Brides, Bridesmaids** and **Meteors** that come to the New York market. Also **Superb Violets** and other Seasonable Flowers, and am prepared to fill orders in any quantity. I make a specialty of shipping the choicest flowers to out-of-town customers, all orders receiving prompt attention at reasonable prices.

No Charge for Packing | Consignments Solicited

Mention the Florists' Exchange when writing.

A MAN Who Makes a Specialty of any Particular Stock is the Man to buy from. I Make a Specialty of "GREEN GOODS"

HOLLY NUFF SED!!! HOLLY

"Hand Picked" Brands. Delaware or New Jersey

FANCY VIRGINIA XXX, long branches, case $4 50
XX, well-berried, " 4 00
X, dark green, " 3.50

MISTLETOE Hand Picked and Repacked.
ENGLISH ..... ¼ case, $4.00; ½ case, $8.00; per case, $15.00
AMERICAN..... ¼ case, 2.00; ½ case, 4.00; per case, 7.50

WILD SMILAX No. 1, contains 25 lbs.....$3.50
No. 2, contains 35 lbs..... 4 50
No. 3, contains 50 lbs..... 6 00

GALAX LEAVES Brilliant Bronze or Green, $1.25 per 1000.
Cases containing 10 000, or 5,000 each kind.....per case, $10.00
Small Green Galax, for violets, "Broadway" style, $1.00 per 1000

PALM CROWNS 6 to 10 leaves, $2 50 to $3.00 per 12.

PALM LEAVES Small, $1.25 per 100; Medium, $1.50; Large, $2.00; assorted sorts, $1 50 per 100.

LEUCOTHOE SPRAYS Green, 50c. to $1 per 100 Bronze, $1 to $2 per 100

FANCY FERN Selected, $2.00 per 1000. Ordinary, $1.50.

DAGGER FERN Selected, $1.50 per 1000. Ordinary, $1.25.

IMMORTELLES Red, White, Blue....per 12, $3.00 Yellow.....per 12, 2.25

WREATHING Prince's Pine, Laurel and Hemlock, all round, 6c., 8c., 10c. per yard.

NEEDLE PINES 2½ to 3 feet, per 12, $2.00; 3½ to 5 ft.' per 12, $3.00.

RHODODENDRON FOLIAGE Fine for decorations, 2 to 3 feet, $5.00 per 100 sprays.

LAUREL Per bag, $1.50; fine for roping.

CHRISTMAS TREES 10c. to 15c. per foot high. Nursery grown, 20c. a ft. high

IVY LEAVES $3.00 per 1000; 35 cts. per 100.

GREEN SHEET MOSS Finest in the Market. $3.50 per barrel.

SPHAGNUM MOSS 10 lb. bale, $2.00, selected.

HARRY A. BUNYARD, Telephone 799-798 Madison Sq. 38 W. 28th St., N. Y. City

CHRISTMAS DEPOT, And Don't You Forget It, 46 W. 28th St.

Mention the Florists' Exchange when writing.

HOLLY-HOLLY-HOLLY

I have 200 cases of choice Holly. Will sell for $2.25 a case, strictly cash in advance; size of cases, 2x2x4 feet; well-berried and dark leaves. Also 1000 WREATHS, 16 inches, at $4.50 a 100. Write quick.

M. MATLOCK, Sussex Co. Cool Spring, Delaware.

Mention the Florists' Exchange when writing.

USE LAUREL FESTOONING for your decorations. We make toe best, nice, all round, for $4.00 per 100 yards; large, nicest made, $6.00 per 100 yards.



SEE OUR LAUREL WREATHS.

Best and Cheapest Wr ath in the Market.

BOUQUET GREEN is scarce. So we advise you to order Laurel Festooning early and be sure of your supply.

TELEGRAPH OFFICE: NEW SALEM, MASS.

Mention the Florists' Exchange when writing.

HOLLY—HOLLY
CHRISTMAS GREEN

In large or small quantities. We have both Southern and Delaware Holly. Goods A1 quality, well-berried. Price

$4 00 per case. 5 cases, $17.50.

LILY OF THE VALLEY PIPS
Ready for Delivery.

W. W. RAWSON & CO.,
12 & 13 Faneuil Hall Sq., BOSTON, MASS.

Mention the Florists' Exchange when writing.

Holly! Holly!

HIGH-GRADE GOODS

English and American Mistletoe

Laurel, Pine and Holly Wreaths

Southern Smilax
Sable Pines ∴
Magnolia Foliage
Needle Pines ∴

Pine and Laurel Festooning

ALL KINDS OF

CHRISTMAS GREENS

Order Early.
Goods Ready for Shipment After December 15.

WELCH BROS.

15 Province Street, BOSTON, MASS.

Mention the Florists' Exchange when writing.

HOLLY BRANCHES

I can supply on short notice for HOLIDAY DECORATING a few cases up to two or three cars. Only ship the Best Big Dark Green Leaves with abundance of Bright Red Berries.

Make Specialty of Furnishing Florists.

GLEN PERDUE, Salisbury, Md.

Mention the Florists' Exchange when writing.



HARDY CUT FERNS

In 1000 lots, $1 per M. Discount on larger orders. Also dealer in Sphagnum Moss, Bouquet Green, Christmas Trees, etc., etc.

L. B. BRAGUE, Hinsdale, Mass.

Mention the Florists' Exchange when writing.

Heavy Double Laurel Roping

the kind fit for Florists, running from 20 to 25 lbs. to the 25 yards, at 6c. per yard. 17 to 20 lbs. to the 25 yards, at 5c. per yard.

f. o. b. N. Y. City or Brooklyn.

Place your orders (before Dec. 15th, 1900, for delivery by Dec. 20th, 1900) with



BAKER & DICK,
PIER 9. N. Y. CITY.

Mention the Florists' Exchange when writing.

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN.

THEODORE J. SMITH, Geneva, N. Y., President; N. W. HALE, Knoxville, Tenn., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

The Pan-American authorities have decided to give, during the progress of the exposition, practical illustrations of methods for fighting insect pests infesting fruit and other trees and shrubs. Methods and paraphernalia constructed on the most approved principles will indicate the drift of scientific investigation, which must prove to be of great benefit.



Sophora Japonica, Japanese Pagoda Tree.

A shipment of 100,000 young peach trees from Georgia nurseries, bound for Cape Colony and Natal, South Africa, was made this week. The trees go largely into Natal, and a large number going to that country is consigned to Ladysmith. Cape Colony fruit growers get less than half of the shipment.

Painesville, O.—The Storrs & Harrison Company are utilizing steam power this season in breaking up the condensed bales of moss used for packing purposes. Trade is brisk with this concern; over 160 carloads of nursery stock have been dispatched from the firm's grounds since October 2 last.

Christmas Trees.—With the advent of December the minds of all of us, young and old, turn to Christmas, as preparations for it have to be commenced. The nurseryman attaches some importance to the occasion, as probably enabling him to do some business when but little else is a-going. Christmas trees are wanted, and wanted fresh. A nursery well supplied with trees need never fear the forests' products, which nowadays line the sidewalks of all large cities. Such trees are cut a good way ahead, and often drop their foliage almost as soon as housed. With the demand for evergreens for ornamental planting, the nurseryman can get a better price for his trees for this purpose than the ordinary purchaser of a Christmas tree desires to pay; but there are always some folks who prefer a good tree, fresh from the nursery, to any other, and they will pay the price for such a one. Many nurserymen have regular customers for trees, and these customers are often of an economical turn, and have their trees dug up early, before freezing up, and placed—or planted—in a box, there to remain until Christmas is over, when they are planted out, at the first favorable opportunity. A few trees boxed in this way, in anticipation of disposing of them, would, no doubt, result profitably.

The trees to be used must be bushy, with a conical outline, and well shaped. Because the branches must be fairly stiff on which to hang presents, the number of eligible trees is limited. The spruce, in its various forms, is nearly the only available kind. The Norway, white, black, Douglas and balsam leave but few others to be added. Depending on the locality from which cut, the white, black and balsam come from the mountains. Nurseries usually have Norway spruce, and lately quite a few of the Colorado form of the Douglas fir, or spruce, have been seen. For small rooms, and where not many ornaments are to go on the tree, the ordinary Arbor vitæ is a useful tree, as it fits a corner nicely, and its branches are fairly stiff. In cases where a tree is expected to be kept in the house some time, it is a good plan to dig it with a few roots attached, set it in a box, and fill in with damp soil. The soil steadies the tree as well as maintaining it in position, lessening the danger of the leaves dropping prematurely.

Outlook for the Nursery Business.—Keeping pace with all other industries, nurserymen have experienced a greatly increased demand for stock for the past two years. This demand came none too soon. Though not generally known, many large firms throughout the country had been drawing on their reserves for some time previous, so little call was there for their goods, while the expense of maintaining their establishments was practically the same as usual. To-day the demand for all kinds of stock is good. There are men now improving their grounds who were as well able to do so three years ago, but they needed the stimulus which the sight of neighbors' improving supplies afforded before going to work on their own places. Good example is catching, hence we see everywhere public and private grounds being embellished and trees and shrubs planted. The period of depression had been such a lengthy one that large quantities of first-class stock were not carried by many firms, consequently, at the present time, there is no large stock of heavy trees in the trade; but there are good supplies of a fair size. The indications for the coming year are still very good; inquiries for stock on a large scale are already being made.

Prices have not advanced greatly, the larger sales apparently satisfying most nurserymen. Still, values have increased slightly, perhaps from 10 to 25 per cent. on some articles, and with the running out of stock, which it seems probable Spring may bring, a little advance may be maintained.

There are certain trees which always sell to some extent, no matter what the state of trade may be. Maples, birches, weeping trees, flowering cherries, dogwood, Judas, beeches, sweet gum, tulip tree, magnolias, sour gum, plane, poplars, flowering peaches, oaks, laurel willow, and linden, I would particularly mention. Maples, especially Norway and sugar, are reliable and beautiful trees, adapting themselves to more situations than many others. With the poplar and the plane, they are much used in cities, and are good subjects for those who have some city trade. Weeping birch, weeping elm and all the long list of weepers are much in demand always, but near cities are seldom sold more than a tree or two at a time. It is the parks and large private places which buy by the hundred. The same may be said of many of the other trees mentioned. Magnolias, especially the Chinese section, which embraces such sorts as soulangeana, conspicua and others, can always be sold; so, also, can such noble-looking species as tripetala and macrophylla. Flowering cherries, peaches, and crabs never want customers. A large tree on one's own ground, to show its character, is sure to bring custom. Oaks have become extremely popular. The old idea concerning them of slow growth and difficulty of transplanting has given way to a better knowledge of them and their requirements, and they are now in great demand. The pin oak has given great satisfaction. There are two reasons for this: It is naturally a most lovely tree, and it transplants almost as easily as a maple. The bicolor also moves well. This is of a massive growth, with large leaves, quite unlike the pin in foliage, as it has bright green, much-divided leaves. I would name as the best sellers the pin, scarlet, red, white, bicolor and chestnut, though all large plantings take in all the hardy species.

Sophora Japonica, Japanese Pagoda Tree.

Although the Sophora japonica has been in cultivation in Europe for nearly one hundred and fifty years, it may be said to be rare in collections still. Being a Japanese tree, it may not be hardy in the colder parts of the Northern States; but in the vast territory in which it would thrive it is rarely seen. There are two reasons for this: The first is that its rather slow growth acts against its sale, and then the tree has to stand a good many years before it flowers. But when it does bloom, it creates such a glorious picture that those who see it regret they had not known of its beauty earlier. The flowers are borne in large panicles, creamy white, pea-shaped, and make a great display. Not the least of the tree's merits is the production of its flowers in late Summer—August—when hardly a tree or shrub is in bloom. In the vicinity of Philadelphia, the home of many of the earlier botanists and horticulturists, there are several fine specimens of the sophora, notably in what is now Fairmount Park. The illustration is of a tree flourishing there, quite close to Horticultural Hall, and there are extremely fine specimens at George's Hill and Belmont Mansion. As readers of THE FLORISTS' EXCHANGE will see, the tree is of well-rounded proportions. In this respect it is one of the best for certain plantings. Except for some particular purpose, these broad, round-headed trees are out of place near tall buildings, unless there are tall-growing ones between them and the building. In most cases such trees as the sophora, Norway maple, and others of like round-headed growth, are in good positions when set as single specimens on a lawn or for avenues not over wide.

Concerning the sophora, I should add that as it flowers so late in some seasons its seeds fail to mature, but, as a rule, they mature here, and seedlings are not difficult to obtain. There is a variegated and a weeping form of this tree.

JOSEPH MEEHAN.



House of Begonia Gloire de Lorraine, Grown by C. W. Ward, Cottage Gardens, Queens, N. Y.

Coal Dust as Fuel.

Carl Beers, florist, Bangor, Me., has, according to a local paper, discovered a process by which he can use coal dust as fuel in his greenhouse boilers. In order to ensure combustion, he built his chimney to a height of 70 feet. At a height of 40 feet an offset was constructed to contain his appliance, which, it is said, is an aluminum propeller, or fan, "driven by the surplus heat as it escapes through the flue." In order to prevent fusion of the metal by the heat the blades of the fan have been glazed. The points of the axes of the rod to which the fan is made fast, are composed of platinum, the bearings in which the points revolve being of hardened glass set in light steel frames. The fans, of which there are two, revolve horizontally inside the flue, and turn at the rate of 2,500 revolutions a minute, increasing the draught so that it is equal "to that produced by a Sturtevant blower with a pressure of two ounces per square foot of grate." After three years' use, the newspaper article goes on to say, "it was found apparently as perfect as when first put into motion. The bearings showed no appreciable wear and tear.

"The chimney which Mr. Beers built had to be very strong or the vibration set up by the whirling fans day and night, week after week would have shattered it in a single season. When the draught got too strong, the lower draughts under the boilers were shut to decrease it. The chimney, Mr. Beers says, was the most expensive part of the whole establishment.

"Coal dust costs $1 per ton, and coal averages $6 per ton. One ton of dust used after Mr. Beers' method does the work of two tons of ordinary coal, so that a sum equal to $5.50 per ton of the latter is saved. Mr. Beers says the chimney was expensive in the beginning, but in the first two seasons of its use it paid for itself and earned money besides. It ought to if it makes coal worth 50 cents a ton."

The same newspaper is authority for the statement that Mr. Beers has also discovered a method of mixing coal dust with "five different ingredients," whereby it "burns" twice as long and gives twice as much heat as anthracite coal." His mixture is made into lumps, pressed in egg-shaped moulds, which are capable of perfect combustion, "when put into the fire the lumps turn white like chalk, and slowly become incandescent, and remain so, at a white heat until they are entirely consumed. From one ton of the coaline, as he has named, burned under one of his boilers, not more than a pint of ashes remained in the grate after combustion had ceased."

This "coaline" is made in two sizes, egg and chestnut. A patent has been applied for.

Foreign Plant Notes.

The meeting of the Royal Horticultural Society on November 20, although held under the most unfavorable conditions as regards light and weather, was of peculiar interest to florists by reason of two very beautiful exhibits. The most striking was a large group of the new hybrid Winter-flowering begonias from the establishment of Messrs. Veitch & Son. These have been raised by hybridizing B. socotrana with tuberous-rooted varieties, and while the plant partakes, in a great measure, of the characteristics of the first-named parent, the flowers resemble the tuberous-rooted section, but are much more lasting. Mr. Heal, the clever raiser of these interesting plants, informed the writer that if they are grown in a temperature of from 55 to 60 degrees the flowers will not drop for four weeks. The plants are erect, sturdy and very floriferous; the individual flowers are from 2 to 4 inches across. Some of them are single, some semi-double, and a few quite double. They commence blooming early in November and continue until the end of February.

The following were the most noteworthy of the varieties exhibited:

ENSIGN, rich rose pink; on account of its erect habit this would be extremely valuable for florists.

WINTER CHEER, rich rose carmine, most effective color; habit of plant erect and vigorous.

WINTER PERFECTION, rose pink; flowers very large and semi-double.

MRS. JAMES H. VEITCH, brilliant rose pink, very large and beautifully formed flowers. Habit of plant rather dwarf and compact.

Cannell made a very fine display of Begonia Gloire de Lorraine, but the hybrids noted above fairly put them in the shade.

The new race is quite easy to cultivate (from cuttings only) and will doubtless become very popular on your side.

The other exhibit referred to was a new Tacsonia (T. militaris) from the establishment of Sander & Co. The flowers are very large, of good substance and of a brilliant crimson color. In a country where climbers are so much esteemed as they are in America, this plant will doubtless enjoy a great popularity. The period of its blooming is from November to May. It was rightly awarded a first-class certificate. S. B. DICKS.

Begonia Gloire de Lorraine.

Our illustration shows a house of this begonia as grown by C. W. Ward, at the Cottage Gardens, Queens, L. I. Four thousand plants were grown; and that the cultural methods adopted have been successful the picture testifies to far plainer than any word description. The chief aim has been to build up the plants slowly, so that when they are taken from the greenhouse, instead of going to pieces in a few days, they shall retain the lasting qualities which this begonia is noted for when handled at other seasons of the year.

A Private View.

There was a private exhibition of chrysanthemums at H. H. Hunnewell's estate, Wellesley, Mass., last week which attracted a good many visitors. The large plants were grouped in the greenhouses, and presented a pretty sight with a background of tall shrubs; while in the foreground were arranged a few dwarf ferns, grevilleas, browallias, etc.

Among the large chrysanthemum plants were observed many of the prize-winning varieties at the late show of the Massachusetts Horticultural Society, viz.: Mutual Friend, Louis Boehmer, Mrs. Alpheus Hardy, Georgiana Pitcher, Marion Henderson, Madame Hodgson, Onyx, Mrs. O. P. Bassett and Arethusa, the latter a seedling raised by T. D. Hatfield, the gardener. The smaller plants grown to one flower and stem also presented a fine appearance; in fact, the appearance of the whole estate reflected great credit on Mr. Hatfield.

F. J. N.

Reminiscences of the Christmas Trade in Chicago.

We may observe, at the outset, that what we are apt to look upon nowadays as the florist's harvests—viz.: Thanksgiving, Christmas, Easter, school commencements and Decoration Day—were not known to the old-time grower, nor had he, as now, a class of plants cultivated especially for cut flowers. These then deserved really the name of a by-product, the plants usually coming into bloom at regular periods of the year, and being grown on from year to year, in pots, partly as decorative material, but usable, also, to cut from as wanted. All this is now changed, and the grower who can time his big cut for the harvest, when it does come, is apt to be the winner; in other words, a ready command of flowers at the right time has the half mark of success.

The dawn of the florist's Christmas trade in this city worthy even of a mention did not appear until after 1860. Contrary to present conditions, New Year's trade was the talk of the day, and not Christmas. Again, such a thing as a cut-flower order, except for personal adornment, did not enter into the question at all. Baskets of flowers of simple design, and what we then called "bouquets," the latter usually befrilled with a paper collar, the acme of the art of the day, a sort of pyramid, perhaps, for the dinner table, were chiefly in demand. Neither basket nor bouquet had any dressing above, just a plain, flat surface. If honored by a camellia, the price was greatly enhanced; if by a rose, to use it as a bud or in the unopened state would be wasting good material. Up, say, to 1862, a $1 or $2 bouquet was a good one, a $5 basket worth talking about, and any florist who took in $25 or $50 during the holidays was on the top of the heap.

By 1864 matters had begun to change, yet how modest compared to those of later years! One of the crack florists of the day gloried over his Christmas sales of 1864 of $50.40; New Year's, $74; 1865, Christmas, $46.95; New Year's, $87.50; 1866, Christmas, $62; New Year's, $94. This was before there were any flower stores in the city. Orders were usually obtained in some down-town shop and made up and delivered from the greenhouses; $10 being considered a good order, $20 a novelty.

While there were quite a number of florists by that time, none was equipped to supply a good cut of flowers; stems then were of no moment. It is pretty safe to say that for flowers alone not more than $1,000 was taken in by all the florists as the total for holiday work up to New Year, 1867.

Before another Christmas came around, at least two florist stores had opened; pretty modest affairs, as yet. The cultivation of flower-producing plants in midwinter was gradually increasing, and cut camellias, regularly imported from Philadelphia, became great factors in all floral work. The same florist's account book for the holiday trade of 1870-71 shows that his receipts had increased to the then phenomenal sum of $969.55. There were six florists with stores now doing the cream of the work, and all the florists in the city perhaps might take in $6,000 to $8,000, all told, for the holiday trade.

By this time New Year's trade had become of no moment, and the real Christmas materials, which included greens in sundry forms, became very important factors. The sale of this stock was for a time absolutely in the hands of the florists. In 1876 a small glass box, filled with ground pine, came from the woods of Wisconsin. Its great value over any other green being discovered, three barrels were obtained the next year. By 1869 the consignment had grown to 40 barrels, f. o. b. in the woods at $3.68 per barrel; in 1876 to 150 barrels, the price reduced to $2.25. But, alas! this year the city was flooded by outside parties, and the material sold at half what it cost in the woods at first. From this on, others than retail florists began to sell at first hands, and the quantity disposed of increased enormously.

By 1882, for example, the seedsmen, J. C. Vaughan, James King, and Hiram Sibley & Co., handled 84 tons, at an average price of $4.50 per 100 pounds, the stock coming in crates instead of barrels. The same year, too, 127 cases of holly were reported. Only a few years before, the first holly was used here. Since then the supplies of both have greatly increased, greens being scarce one year and overabundant another. Two years ago they were too cheap to be profitable; this year conditions bid fair to be the other way. In some years 350 to 400 tons of greens reached the city, with the supply of holly estimated as high as 3,000 to 4,000 crates. The best florists now use but little greens, although lots of holly are disposed of. Strangely enough, laurel never was a favorite in this city. A large commission houses sell the cuts of hundreds of other growers, not only from our own vicinity, but regular shipments come from Ohio, Indiana, Michigan and other States.

It goes without saying, however, that if this city is a big receiving depot it is no less a distributing one. During shipping days for Christmas and other similar occasions, thousands of boxes go to the express offices; in fact, so important is the business to these companies that they keep wagons running to collect from florists alone—a big change from the time when a shipper himself had to deliver his consignment to the express office.

As we said before, it is not flowers alone that go to make up the florists' Christmas harvest, but a varied assortment of greens, holly, hardy ferns, red berries, wild smilax, long needle pines, palm and other leaves; in fact, anything suitable for a joyous remembrance and modern keeping of Yuletide or old Christmas, including contributions from the North and the South, differing in degree from those called for at Easter. Then plants cut a far greater figure than at Christmas, not, perhaps, that suitable subjects would not find better Christmas sales, but outside of palms, ferns, azaleas, some poinsettias, primroses and the like, really choice plants are not grown to any extent for Christmas. But, then, the uncertainty of the weather for delivery purposes at the latter period is a factor to be thought of.

Since the time we first took a hand in the struggle there has been a great change indeed. There are now between three and four hundred florists, small and large, to say nothing of outsiders, with more or less great expectations. All we can add is that we wish them all abundant success and A Merry Christmas.

EDGAR SANDERS.



Plant of Capsicum Annuum, grown by A. Schultheis, College Point, L. I.

Orchids for Christmas.

Orchids for Christmas flowering are comparatively few, yet in looking through the houses I find the following: First on the list is Cattleya Percivallana, which will simply be in its glory by Christmas; a few stray plants are commencing to bloom now. Next is Cattleya Trianæ; although with us this variety is less reliable than the preceding, flowering here mostly in January and February. A limited number, however, will be in bloom by Christmas. Some growers are successful in flowering this variety profusely at that time, and hence it must rank as a Christmas orchid. Cattleya Chocœnsis, with its sweet-scented flowers, will also be in its Christmas garb.

Of other showy orchids there are: Lælia autumnalis, now in spike and bud, and ought to be "just right." The same may be said of L. anceps. Calanthe Veitchii, with its graceful sprays, is another welcome Christmas orchid. Cypripedium insigne is a valuable standby for Christmas, and hard to beat both for durability and beauty. Oncidium varicosum; established old plants of this variety are hard to hold back for Christmas; they are generally over by the middle of November. If, however, plants are imported late, say in August, fixed up, and put in a light place close to the glass, a great number, if not all, will flower, and be valuable additions to the short list of Christmas orchids.

Besides those enumerated above there are, of course, varieties that will "drop in" unexpectedly just at the right time; but all of those mentioned are, more or less, most reliable varieties for flowering at Christmas.

JOHN E. LAGER.

Summit, N. J.

Capsicum Annuum.

A little over a year ago Louis Schmutz, of Flatbush, N. Y., put on the market a little plant with pepper like fruit of many colors, ranging from white, light blue and purple, to bright scarlet.

The plants proved very taking, and this season they have been cultivated more extensively. Our illustration shows a plant grown by A. Schultheis, of College Point, L. I. This pepper is not a new thing by any means, but is rather to be classed among the oldest plants in cultivation. Its revival as a decorative subject seems to have been taken up on both sides of the Atlantic during the past year or so. We recently saw a plant in the store of a Jersey druggist that had been brought to him as a curiosity from Southampton, England, and the week following we noticed a wagonload offered for sale by a street vendor in Brooklyn.

Mr. Schultheis has grown the plant extensively this season, and has certainly done it well; the major portion have measured two feet or more through, being also well covered with the many-colored fruits.

Packing and Shipping Cut Flowers.

Read before the Chicago Florists' Club by Walter S. Heffron, Nov. 1, 1900.

In attempting to instruct how to place cut stock on a wholesale market in as perfect condition as possible, some few generalities will apply with equal force to all localities and conditions.

The shipping box is an important and much neglected feature; on its suitability much depends. The proper dimensions are not arbitrary, and are wholly dependent on the class and variety of the stock to be shipped. Great depth, breadth and excessive length and weight are to be avoided. Depth, because of pressure from weight on the lower part of contents, also because of greater liability of stock heating in transit. Width, because of unwieldiness. The various express companies, as a rule, have at the several points of transfer but a single employee to handle the packages, and even where there are several employees, rarely more than one attends to the same package. A box that is overly wide is a constant source of temptation. Nine times out of ten it will be on edge, with more or less disastrous results to the contents. Weight speaks for itself. Excessive length is open to the same general objection that attaches to great width, with the added drawback that, for all stock save particularly long stemmed, there is increased difficulty in properly securing it from shifting. Safe proportions for a shipping box, in my estimation, would be one ranging from six to ten inches in depth, never exceeding 18 inches in width, and three times the length of stems of stock packed in it. The proportions are for average general stock, roses, carnations, etc., and would not hold good for extra short or long, the exception proving the rule.

The box should have a fastening reasonably secure, but one that can be unfastened on arrival easily, quickly, and without damage to box or contents. Nails or screws should never be employed, save, possibly on special shipments, where, for good reasons, the regular box is not used. There is no necessity of attempting to make a burglar-proof box. The smallest loss a grower has is that of pilfering in transit and a fastening that provides for a reasonable amount of delay in opening will safeguard that contingency. A tight fitting lid with one of the several good hasp devices or metal catches is excellent. Nothing excels a heavy sash cord or light rope of good quality. Straps are a nuisance, as the strain soon puts the hole in the wrong place for the tongue of the buckle and either the strap is soon ruined and worthless from efforts to remedy this trouble or the cover is never tight enough to prevent the air from having too easy entrance.

The shipping box should always be lined with paper. Several thicknesses should be used. The paper not only acts as a cushion, equalizing the jar, but the dead air spaces so formed are the best non-conductors that could possibly be provided. Many growers use a lining during severe weather to keep out the cold. Is it not just as essential to prevent the penetration of heat? One is as destructive in its effects as the other; the remedy is the same. Nothing is better for this purpose than the ordinary newspaper.

In placing several layers of stock in the same box, always be careful to have them carefully separated, and so separated that they can be removed at destination without destroying the layer as originally packed. Many use tissue or wax paper for this purpose. Each of these is unfit. Wax paper draws the tissue and ruins the color, fragrance and texture of many kinds of flowers, and wax and tissue alike are so soaked by the moisture and drainage from foliage and stem above and below, that they almost invariably give way with the weight of the layer. The result is one jumbled mass. Manila or newspaper in several thicknesses is the best, as these materials have strength enough to stand considerable strain, and, being porous, they quickly absorb any surplus moisture, retaining same for a long period, providing a tempering of the enclosed air, very beneficial on a long or hot trip.

In placing flowers in the box, care should be taken to put the deepest colored stock, where substance of flower is equal, in the bottom of the box grading upward, the lightest colored or white on top as colored stock will show the effects of weight and crushing less freely.

I will not go into the question of proper cutting and bunching. That is a local question and depends on the outlet. Some markets want carnations 50 to the bunch, some 25; some bulb stock in dozens; others, again, in quarter hundreds, some heads even, some stems, and so on. These are all important points, but I presume them to be known to the shipper.

All flowers, after cutting and before packing should be placed in water long enough to ensure the stem having absorbed sufficient water to keep the flower fresh until arrival at destination and some hours after.

Pots and jars that are used for that purpose must be kept clean, and if practicable, should never be used for any other purpose. Many flowers have been ruined from having absorbed oil and various chemicals through the water in which they were placed.

Particularly during hot weather do not freshly recut stems before packing except where necessary to facilitate packing. The pores at the point where the stem is severed have partly closed, retaining the water. If recut, the stem will drain, and the flower be deprived and wilt.

Lilies, chrysanthemums and other large petaled flowers are better under done than over, on the hardening off side. The petals of such flowers, if full of water and chilled, at each jar and move are apt to crack or bruise; if soft, and even inclined to wilt, they will yield to movement and pressure, will show no trace of bruise or crack afterward, and will straighten up under proper treatment in a short time. Many more flowers can be packed in the same space, saving time, trouble, and expressage.

Stems of most annuals and perennials and other soft wooded blooms should be cleaned of bottom foliage before being sent to market. Many become offensive within a few hours after being placed in water, and the chance of sale is thereby lessened and the price lowered. Many, after reaching that stage, are so permeated with the odor that even if the stem be cleaned the flower or upper foliage retains so great a part of the smell that notwithstanding the bloom is perfect, it has gone past the selling stage. This should not be done, however, excepting for above stated reason, unless it is to remove unsightly foliage, as many flowers absorb water nearly, if not quite, as readily through the leaf as through the stem.

The use of highly colored twines in tying bunched stock should be avoided. The dye nearly always runs when the bunch is in water, and the dye strikes in. The customer then insists that the flowers are old when the contrary is the case. Take valley, as an example. I have seen many dollars' worth of value taken off a shipment from this alone. The stems at bottom being bleached nearly white from forcing, are also soft, and the dye from a blue, green or yellow string will run in the stem like ink in a blotter. On the contrary, some flowers should always be tied with string to match the stem in color, that is, of course, where the bunch goes to the customer as originally tied.

Violets, valley, most bulb stock and any easily wilting flower should have a quantity of moist tissue paper wrapped around and over the ends of stems. Smilax is better sprinkled and should always be rolled singly. Asparagus plumosus and Sprengeri will ship best and keep better afterward if kept perfectly dry.

A safe rule is never to sprinkle any flower for shipment. The foliage only should be freshened, and that, in the majority of cases, but sparingly. The only exception to this, that comes to mind at present, is the poinsettia, and that which we call a flower is really not the flower at all, simply highly colored foliage surrounding the flower proper, and which retains all its leaf characteristics.





Views of Interior of Store of S. Feast & Sons, Baltimore.

A Local Horticultural Society.

At a recent meeting of the State Board of Horticulture, in Denver Col., Harry C. Harris gave a very interesting sketch of the inauguration and development of the El Paso County Horticultural Society, an association devoted principally to floricultural matters. He spoke of the efforts made to interest the school children, and the gratifying success attending this work; also of the endeavors looking toward the improvement of home grounds, by the offering of prizes. Mr. Harris concluded his remarks as follows:

Our prize list and expenses of the second year were over one thousand dollars (a gain over the first year of ten hundred per cent). The success of this work is not entirely dependent upon the money represented by the show schedule. There are always those in your cities who are ready to furnish this when they are sure of getting "a straight deal," as they themselves express it; but the first requisite must be an inexhaustible supply of nerve, or determination not to allow anything to frustrate the aim in view. As was published recently, "One of the noble qualities of man is in letting himself be pushed into enterprises not remunerative."

In societies of this class it occurs to me the first thing to do is to interest the public by showing that the management is not in the interest of any clique or circle. This can be done by the work among the children; by requesting the public officials—such as the county commissioners or the mayors of the cities—to appoint some members of committees, or select children for places of prominence; and by enlisting the enthusiasm of the newspaper people, and they are the first ready to help. To show that we were not working for self interest, children prettily dressed, sold flowers during the exhibition of this season, in aid of the India Famine Fund; and at the close of the exhibition the exhibits were sold for the local Day Nursery.

Amateur growers and managers can more easily interest the general public than can the commercial man; and the organization is the stronger for having a large membership of amateur growers, as they have leisure and interest in such work.

A public organization of this kind—if to be permanent—must have a perfect system of books and vouchers, and have them audited by a public committee at the close of each year; thus inspiring confidence in the management, and this is the foundation stone.

A Baltimore Florist's Store.

Our illustrations are reproduced from photographs of interior views of the new store of Samuel Feast & Sons, corner North Charles and Pleasant Streets, on the occasion of their recent formal opening. The store is the first one in this town, especially fitted up and decorated for the special purpose. Messrs. Feast spared no cost in the arrangements, and accomplished a happy combination of convenience and artistic effects. The ornamentation of the store affects the imperial style, which lends itself so advantageously to plant and floral decorations. Notable among the fine decorative plants used was the graceful Cocos plumosus, a plant which deserves much greater popularity than it enjoys at present. In every detail, in fact, the store presents features for imitation, which it would be difficult to describe briefly. Other florists speak about making similar improvements, among them E. A. Seidewitz, who plans the rebuilding of his business house on Lexington Street. T. E.



The Chrysanthemum.

Full blown you beam,
And glint and gleam—
Each petal's like a fishbone,
And at the foot-
Ball match you're put
On Arabella's wishbone.
'Tis there you shine
And never pine
While panting like the grampus
Each player glides
And slips and slides
And bumps along the campus.
Chrysanthemum! Chrysanthemum!
You are the whiskered bloom
That blows apace
And lights with grace
Thanksgiving's pensive gloom.

You lightly bob
And glow and throb
Athwart the flowered damask,
And thrill to hear
Fair Guinivere
For turkey or for ham ask.
You charm the board
Whose gobbler lord
Begilds our tairy vision,
And see the gay
Bird tucked away
With swiftness and precision.
Chrysanthemum! Chrysanthemum!
To-day your happy fate
It is to be
From sea to sea
The turkey's running mate.

Chrysanthemum,
To stay you've come,
Your glory fate can stop not;
From morn till night
All feel the light
That glimmers on your topknot.
All swear by you,
For it's as true
As that we all are living,
With you away
Thanksgiving Day
Would hardly be Thanksgiving.
Chrysanthemum! Chrysanthemum!
You're here, and ever may
It be your fate
To make elate
And gild Thanksgiving Day.
—CHICAGO TIMES-HERALD.

Review of Chrysanthemum Market.

New York.

In reviewing the market conditions of the present and comparing them with those of last year, we feel assured that during this season the demand for chrysanthemums has been just as good, if not better than that experienced one year ago. Early varieties, especially, sold better this year. The fact that they were eight or ten days later than usual may have had something to do with this, for when the early kinds come into direct competition with good field-grown asters, as was the case in 1899, such early flowers must necessarily suffer on the market. This year, however, outdoor flowers were practically done when the first chrysanthemums were ready for sale, consequently better prices were realized than it was possible to obtain one year ago.

While we believe that the supply has not been so heavy as usual this year, it has been quite evident that the percentage of what are called fancy blooms has been greater in proportion, and the immense gluts of the inferior grades that have usually been experienced, were not so noticeable; though, of course, there have been occasions this season when the supply was in excess of the demand.

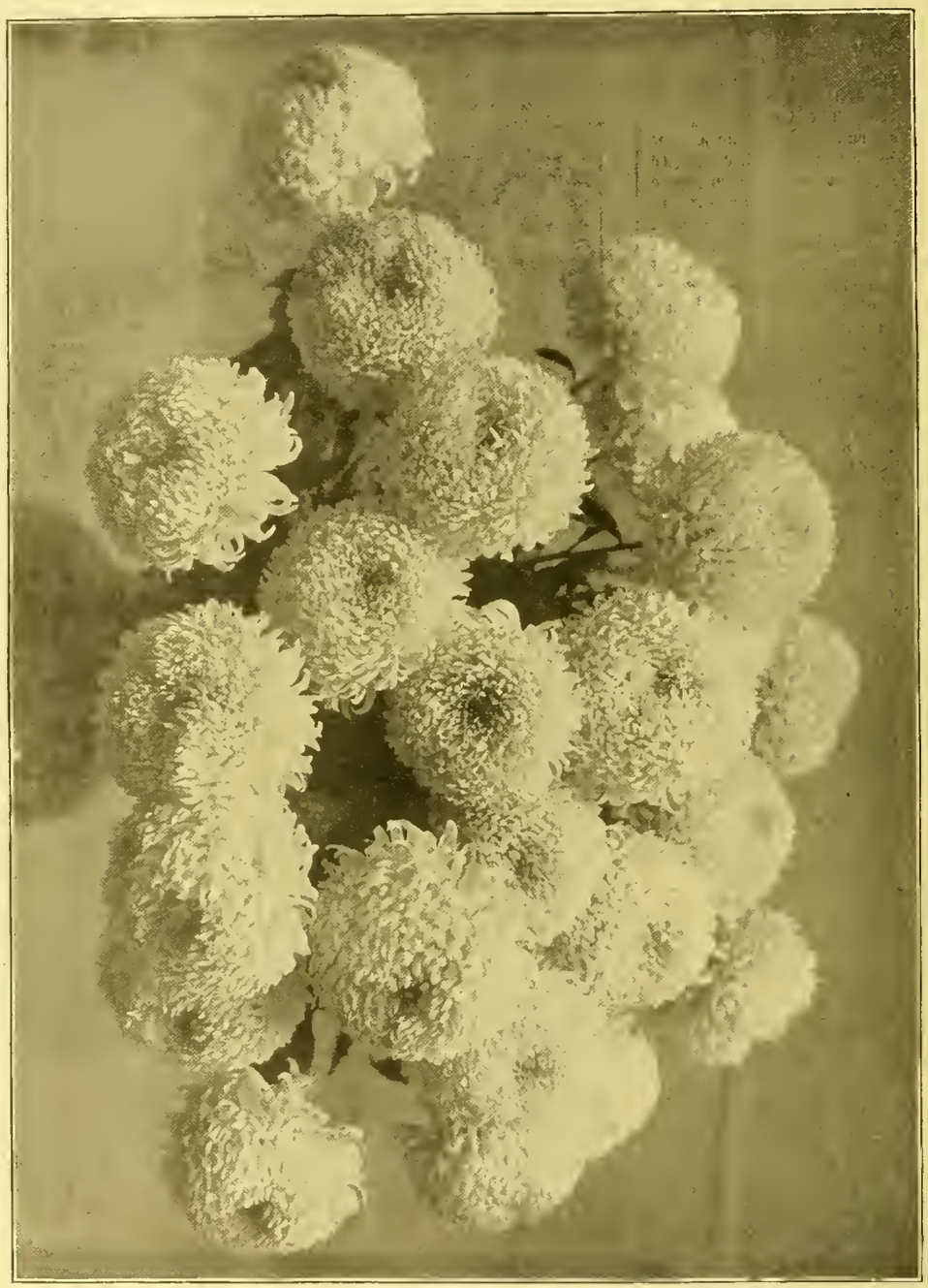
As to the varieties that have found the most favor. There was nothing new among the early ones; Mme. Gastellier was the first to reach the market, being received by September 18—ten days later than last year. This was the only variety in the market for about a week, when Mme. Bergmann began to arrive, followed closely by that earliest pink variety, Marquis de Montmort. These three sorts held sway until the week ending October 6, and may be said to have sold satisfactorily. When Montmort were good the flowers realized $3 a dozen; and the other two varieties named sold equally well, according to their size.

During the week ending October 20 the better kinds began to arrive; these were Glory of the Pacific, Polly Rose, Midge, Sunshine, Yellow Monarch, White Monarch and Mutual Friend. The two Monarchs will probably not be grown much another year; they are not firm enough to be satisfactory, and can well be dropped from the list. Polly Rose, the white Glory of the Pacific, remains a prime favorite.

In the week following, the new yellow, Walter Molatsch appeared. This variety is an acquisition in its class. The flowers coming large, and having fine stem and foliage, made this kind at once a favorite yellow. It realized fancy prices.

Maud Dean was the leader in pink and Mrs. Jerome Jones in white. Only a few Wm. H. Chadwick came to this market, and they were very fine; more of this variety will no doubt be seen another season.

The end of this week saw the last of the large fancy blooms, and for Thanksgiving the chrysanthemums in the market were mostly of the grades that brought from $2.50 per dozen down to 75c. This holiday about winds up the demand for chrysanthemums so far as the New York market is concerned, though the late white, Yanoma, will be seen in limited quantities until the middle of December.



New Chrysanthemum Timothy Eaton, as Shown at New York; Winner of C. S. A. Trophy at Chicago.

Reproduced by Courtesy of *American Gardening*.

By the beginning of November, and owing probably to the summer-like weather experienced, the market was at its fullest for the season, and, as all other flowers were also plentiful at that time, prices for the poorer grades of chrysanthemums shrunk considerably. Select blooms, however, kept up fairly well in value. The best varieties coming in at this time were Viviand-Morel, Mrs. H. Robinson, Mrs. Trenor L. Park and Bonnaffon. Following close upon these were many other varieties, the cream of which were Modesto, Mrs. H. Weeks, Col. D. Appleton, President Smith, Golden Wedding and Pennsylvania. Of red varieties the best were G. W. Childs, Intensity and Black Hawk.

During the week ending November 24

As to varieties that will be discarded, besides the two Monarchs, we think the white Bonnaffon will share the same fate; this latter variety is apt to be too small, and comes in at a time when better whites are on the market.

Of the seedlings that have been shown before the C. S. A. committee in this city, a terra cotta red, Japanese reflexed variety, named Brutus, is one that should find a place in all collections. Being ready for the market at the beginning of November, and having good stem and foliage, will give it a front position among the red kinds. Yanariva, a very pale pink variety, of the same type is, we believe, not decided enough in color and failed to be certificated by this committee. Mrs. W. B. Chamberlain, of the same type, and a beautiful pink color, will no doubt prove a favorite, and should become one of our standard varieties. A bright crimson variety named Malcolm Lamont, Japanese reflexed, coming in about the middle of November, is a good one; but whether it will prove better than Intensity is a question. An unnamed variety, number 19, is a clear yellow, of the Japanese incurved type; a fine large flower, but was weak in the stem when shown. If this fault is not a constitutional one, the variety will make a good commercial sort.

There has been but one competitive exhibition in this city, and judging from the quality of the exhibits and the number of people that attended, we cannot believe that the popularity of the flower show with the general public is on the wane. The exhibition mentioned was held in the Berkeley Lyceum, under the auspices of the American Institute. The hall was crowded with admirers each evening; the attendance during the day, however, being not so good.

The 12 best varieties shown were: Major Bonnaffon, Jeannie Falconer, W. H. Chadwick, Solar Queen, Mutual Friend, Mrs. T. L. Park, Chenon de Leche, G. J. Warren, Frank Hardy, Golden Wedding, Mayflower and Merza.

The best six kinds were Chenon de Leche, Major Bonnaffon, Madame Deis, Golden Wedding, Helen Bloodgood and Merza. For vase of yellow, Col. D. Ap-

pleton and Golden Wedding are about the best. The best white was Timothy Eaton; best pink, Viviand-Morel; best vase of red or crimson, Mrs. Bigelow or Intensity. For the best six specimen plants, Rustique, G. W. Childs, Garden Queen, Minerva, Mrs. Peabody, Miss Georgiana Pitcher. The best three plants George W. Childs, Garden Queen and Minerva.

The best single plant we have seen was George W. Childs, and for single stem plants grown in six-inch pots, the best kinds were: Pembroke, Rustique, Silver Cloud, Mrs. H. Robinson, Mrs. H. Weeks, Major Bonnaffon, Goldmine, Soucie and Viviand-Morel.

The pompon varieties are not likely to become popular as commercial flowers, because in the market where blooms are sold by the dozen or hundred, size counts more than any other point. The retailer who grows part of his own stock, however, would find a beach of pompons as profitable as the large blooms; and the flowers could be used on many occasions when other stock is short, and where it would be impossible to use the larger chrysanthemums.

If the C. S. A. would formulate a scale for certificating pompons, the trade in general would get more interested in them, and the class of growers cited would cultivate the pompon varieties, as these would certainly add to the class of flowers grown for bouquet work, such as bouvardia, stevia, heliotrope, etc.

S. B.

A Grower's View.

In reviewing our market, which is New York, so far as we could see, the supply was about the same as last year, while the demand was better. This was particularly the case in the early part of the season, owing to the poor quality of the roses which were being sent in at that time. Our prices were better than those of last year, which was probably due, more than anything else, to the fact that the flowers were better. Yellow was the color that was asked for most in the early part of the season, and a batch of Sunderbruch which we had at that time brought handsome prices. Perhaps our experience differs from the general run of growers, as we try to grow nothing but the very highest grade. We find that New York will pay a good price for almost any variety, providing it is up to the exhibition standard in size, foliage and stem.

What we consider the best varieties to grow are here given:

YELLOW—October Sunshine, Sunderbruch, Trenor L. Park, Appleton and Golden Wedding.

WHITE—Robinson, Frank Hardy (if you can get it good), Merza and Mrs. Jerome Jones.

PINK—Morel, Perrin, Maud Dean.

A variety we used to grow well, but which is going back all round this section, is Mayflower. The flower is nothing to what it should be, compared with the stem.

Pennsylvania we shall drop. We cannot make this variety produce good foliage.

Of the new varieties of the year Colonel D. Appleton is easily the best, though the introducers might have told us that this variety does best on the late bud. White Bonnaffon is a well-shaped flower, but far too small for present-day requirements. Very few of this year's introductions will be heard of again, I imagine.

With regard to our exhibition, so far as the chrysanthemums alone were concerned, the show was better than any previously held, with an attendance about the same as last year. For exhibition varieties our choice is as follows:

Twelve kinds—Jennie Falconer, Colonel D. Appleton, Golden Wedding, G. J. Warren, Mme. Carnot, Jerome Jones, Madam Deis, Frank Hardy, W. H. Chadwick, T. Carrington, Chenon de Leche, Viviand-Morel.

Six kinds—Chenon de Leche, Warren, H. J. Jones, Appleton, Morel, Deis; vase of yellow, Appleton or Golden Wedding; white, Merza; pink, Morel: vase of red, H. J. Jones, if size is the chief desideratum; vase of brown, Rustique.

Six specimen plants—Lincoln, Ivory, Silver Cloud, Mrs. H. Weeks, Iora and Red Warrior. Twelve single stems in 6-inch pots—Bonnaffon, Robinson, Merza, Morel, Perrin, Chenon de Leche, Jerome Jones, Weeks, Appleton, T. L. Park, Minerva and Golden Wedding.

As regards pompons, we are not of those who believe that these small-flowered types are going to be popular. It is all very nice to say they are artistic, beautiful, etc., every word of which is true; but the American public loves the big flower best; and I am afraid I agree with them. Pompons are a handsome feature outside when the frost keeps off till late, as it did this year; and for the purpose of making an outside display they are certainly valuable. Little Pet, yellow; La Purite, white; and Magnificus, white, are best known to me.

As regards a revised classification, I would not like to express any opinion. The chrysanthemum has been crossed and recrossed until the types are merged into each other, and what is a good Japanese variety on the crown bud may be a true incurved on the terminal. It will take a Solomon these days to definitely determine the status of some of our varieties.

What I would like to see, above all things, is the National Chrysanthemum Society having a big boom. It makes the chrysanthemum lover feel good to read of the splendid shows given in England and France by the national societies there. Can we not go and do likewise?

C. TOTTY.

BEST TWELVE VARIETIES OF CUT BLOOMS—Viviand-Morel, Mrs. F. Perrin and Inter Ocean, pink; Eureka, Mrs. J. W. Lewis and Mrs. Jerome Jones, white; Modesto, Peter Kay, Pennsylvania and Major Bonnaffon, yellow; Kate Broomhead, bronze yellow, and John Shrimpton, red.

BEST SIX KINDS—Any of the above might be named, or if other varieties are required, I give three more: Lady Hanham, Mme. Carnot, and Chas. Davis.

BEST VASE OF YELLOW—Modesto, first choice; Peter Kay, second.

BEST VASE OF WHITE—Eureka, first choice; Mrs. J. Jones, second.

BEST VASE OF PINK—Viviand-Morel, first choice; Mrs. F. Perrin, second.

BEST VASE OF RED—John Shrimpton.

BEST VASE OF BRONZE—Kate Broomhead.

Best six specimen plants, three specimen plants, one specimen plant, I would cover, by listing ten plants rather than as called for. These are: Louis Boehmer, Peter Kay, Lady Isabel, Mutual Friend, The Bard, Kate Broomhead, Red Warrior, Mrs. F. A. Constable, Mrs. E. B. Freeman, Mrs. J. G. Breer and Silver Cloud.

As regards pompon varieties, I think there is a desire to increase the cultivation of these chrysanthemums next year. There is a steady demand for them, which, though not heavy as yet, would undoubtedly reach goodly proportions were the grower to pay more attention to this type. To show how little attention is paid to them, it need only be mentioned that where pompons are grown at commercial places, there are few instances where the name of any of the varieties is known.

F. J. NORTON.

Elmira, N. Y.

For 12 exhibition blooms I would name the following: Col. D. Appleton, Fee du Champseur, Pennsylvania, Chito, Maud Dean, Wm. H. Chadwick, Mayflower, Rustique, Mrs. F. A. Constable, Merza, Goldmine, Eclipse.

Twelve commercial—Ivory (white and pink), Col. D. Appleton, Pennsylvania, Bonnaffon, Hicks-Arnold, John K. Shaw, Helen Bloodgood, Maud Dean, Clara Goodman, Lucie Faure, Wm. H. Chadwick and Eclipse.

Six varieties for exhibition—Col. Appleton, Maud Dean, Wm. H. Chadwick, Eclipse, Mayflower and Pennsylvania.

Six commercial varieties—Col. Appleton, Maud Dean, Wm. H. Chadwick, Eclipse, Bonnaffon and Ivory.

Best vase of yellow, Col. Appleton; best vase of white, Wm. H. Chadwick; best vase of pink, Helen Bloodgood; best vase of red, Geo. W. Childs; best vase of bronze, Bronze Beauty.

Six specimen plants—Ivory, Mrs. S. T. Murdock, Miss Georgiana Pitcher, The Bard, Golden Trophy, Hicks-Arnold.

Three specimen plants—The Ivorys, The Bard and Miss G. Pitcher.

One specimen plant—The Bard.

Twelve single stem plants in 6 inch pots—Bonnaffon, Golden Trophy, Queen, John K. Shaw, Minerva, Pennsylvania, Jennie Falconer (Peter Kay), Mrs. F. A. Constable, Iora, Col. D. Appleton, Goldmine and Viviand-Morel.

Mrs. Weeks, although a beautiful white, is "too touchy" for commercial use. Autumn Glory drops its petals. Black Hawk damps and burns, but is a beautiful cut flower, the handsomest red for decorative effect. Shilowa is inferior to Black Hawk. Xeno is too dull in its lavender pink shade. Lavender Queen is much better. Cullingfordil is the most profitable red to grow; there being no loss from damping or burning, and the color is always good. Hicks-Arnold is still the best selling bronze.

Pompons will grow in favor with the amateur, but are of little use commercially.

A revised classification of chrysanthemums would be useful, but I doubt if it could be successfully accomplished by American methods.

G. P. R.



Partial View of the Exhibition of the Pennsylvania Horticultural Society, Philadelphia.

Boston.

It would seem that the supply this season was heavier than before, there being some additional growers of chrysanthemums for the market this year, while all the old growers planted just as many, if not more, than in past years. Then, again, more of the growers turned out really first-class stock than in other seasons. The demand for this flower seemed to have increased proportionately, for though there was a time, at the height of the season, as is usual, when chrysanthemums went "hard," the demand held up very well under an increased supply. Prices, too, the past season have kept to the standard of other years, though there was a tendency through the season to a little falling off on values of really fancy grades, due, no doubt, to the increased supply of these grades.

Among the varieties in greatest demand were the following:

EARLY—Bergmann and Fitzwygram, white; Marion Henderson, yellow; Montmort and Glory of the Pacific, pink.

MID SEASON—Ivory, white; Gold Lode and J. E. Lager, yellow; Mrs. Perrin, pink, and John Shrimpton, red.

LATER—Mrs. Jerome Jones, Wanamaker, white; Rieman, yellow; Maud Dean, pink, and Cullingfordil, red.

The annual exhibition of chrysanthemums given by the Massachusetts Horticultural Society seemed to be as popular as ever. In regard to naming the best of exhibition varieties for certain purposes, I will follow, to a great extent, the prize list of the Massachusetts Horticultural Society at its recent show.

St. Joseph, Mo.

The chrysanthemum supply and demand are and have been so far this season about equal to those of last year; if any difference, the demand is lighter, at least not so steady, owing, perhaps, to warm weather holding on so late, and to the very dull, cloudy, rainy, sloppy days experienced the past two weeks. We think probably election had also something to do with the state of trade. As to varieties, we have not seen anything new worthy of special note. Regarding colors and demand, we find that there are very few calls for anything except white, pink and yellow, white leading, the others about equal. Odd colors are not wanted. We also find less call for very large flowers, except for football players and their rooters.

K.

Indianapolis.

The supply of chrysanthemums for this season has been somewhat excessive, but taking the unfavorable weather into consideration, the election excitement and the general dullness of trade during November, the result should be called satisfactory. The prices ranged from 50c. to $1 a dozen, the latter price being for the very best; $2 and $3 were asked for good average flowers. There has been no difference in prices from those of the last two years. There seemed to be an overabundance of cheap flowers all through the season, the warm weather bringing them on the market fast, many good blooms being weakened and partly spoiled from being too soft.

The best sellers in this vicinity were for EARLY WHITE AND PINK:—Fitzwygram, because early, otherwise not satisfactory; Bergmann, doubtful; Monrovia; Midge; Willowbrook; Ivory, white and pink, good; Glory of the Pacific, good; Mrs. Robinson, good; Georgienne Bramhall, very good; George S. Kalb; Mrs. O. P. Bassett, good; Mrs. H. Weeks and Autumn Glory, good.

MIDSEASON:—Bonnaffon, A1; Mary Hill, good; Henry Hurrell; Golden Wedding, good; Merza; W. H. Chadwick, good; Mayflower, good; Mrs. Perrin, doubtful; Viviand-Morel, good; Orizaba; Evangeline, very good; Lavender Queen; Francis B. Hayes, A1; Black Hawk; Solar Queen; Geo. W. Childs; Quito, good pot plant; Eda Prass, doubtful; Mdlle. Lucie Faure; Garden Queen; Helen Bloodgood; Pres. W. R. Smith; White Swan, Pluma, promising; Modesto; White Bonnaffon, promising, and Denominantion.

LATE:—Niveus, Merry Christmas, Goldmine, good; Yanoma, H. W. Rieman, good; Mrs. Murdock, good; Snowball, Xeno; Mrs. Jerome Jones, good; Superba, good, and W. H. Lincoln.

In seedlings and sports nothing of importance was noticed, excepting seedling Nellie, a fine white, shown by H. W. Rieman. He has a few other seedlings which are promising. John Hartje will introduce a sport of H. W. Rieman, yellow, which seems very good.

The annual trade exhibit, open to the public, was well attended. The general opinion of the merchants and others interested seems to be that a big exhibition could again be held, showing that chrysanthemum shows, if started in the right way, and for the interest of the retailer and the public, with the assistance of the wholesaler, could be made a go.

As to exhibition varieties in this vicinity much cannot be said, as most of the kinds grown are for profit only; however, some of the older varieties are still good and showy, such as Bonnaffon, Georgienne Bramhall, O. P. Bassett, Autumn Glory, Golden Wedding, Mayflower, Viviand-Morel, Solar Queen, Goldmine, and others.

In commercial varieties we would mention for best vase of red, George W. Childs; bronze, Autumn Glory; pink, Mrs. Murdock; white, Mrs. Robinson; yellow, Bonnaffon.

Very few plants were raised in this vicinity. More attention should be paid to this branch, and the best varieties for this purpose specially advertised. Many more good plants of larger sizes would have been sold at paying prices. Single stem plants are no good for retail trade; plants in pots from 6 inch to 10 inch, sell best. Among the few plants raised here may be mentioned Bonnaffon, white and yellow; Mrs. Perrin; Ivory, white and pink; George W. Childs; Quito, and others.

Pompon varieties have not found favor in this city and vicinity; no effort will be made by many to raise this class.

The present system of classification seems all right and acceptable. The distinction between the different classes should be more closely followed. We would suggest that the Society take up the matter of encouraging an annual exhibition in different cities, from year to year, under the Society's auspices.

While the florists, as a rule, claim that there is no money in chrysanthemums, there are as many plants raised as ever. There is nothing to take the place of them; they will always be in demand, and are beautiful in pure colors. The weather was against them this season; in good frosty weather they make their debut. Early ones, while needed, are not profitable to the retailer.

W. B.

Cincinnati.

As to a comparison of supply and demand with previous years, I will say that in this locality fewer chrysanthemums have been grown. But, from a wholesaler's standpoint, I have handled more good flowers, sold them at better prices, and sold out closer, none having to go to waste, than in any season since I have been in the business. Of course, these blooms were nearly all shipped from other localities adjacent to Cincinnati.

The first to arrive was White Fitzwygram, about October 6; these sold at 15c. each, and were followed a few days later by Yellow Fitzwygram, which realized the same figure. For very early I have seen nothing better than this variety when well done; and while not a large flower, it is much more graceful than Bergmann, Kate Brown or any of this class. Following close upon these came Glory of the Pacific. I do not like it; but there is no commercial sort on the market that will take its place for early pink, if it can be grown so as to retain its color. Mrs. Robinson is the one to grow for all classes. Its good qualities are too well known to dwell on; so I will pass along to that grand old variety, Ivory. You all know it; you all grow it (or ought to); you all sell it. It is what might be called an intermediate. Then along down the line come such sorts as Perrin, Bonnaffon, Golden Wedding, Wanamaker, Maud Dean, Mrs. Jerome Jones, President Wm. R. Smith, Lincoln, Mayflower and Viviand-Morel. All these varieties are money-makers for the growers, the wholesalers and the retailers. They are kinds that must not be discarded until it has been proven that they have been superseded by something better, and, personally, I have not seen such yet.

The wholesale prices on all of the above-named varieties have been from 75c. to $2 per dozen, according to quality. The bad sellers are, as a general thing, those of every color other than white, pink and yellow, and these colors must be in their true form. There is only a very limited quantity of anything else that will pay.

To name all of the bad sorts would fill a Webster's dictionary; and right here I would say that the time has arrived for the great heads of the Chrysanthemum Society to get together and revise, for the benefit of the chrysanthemum growers and sellers in the United States and, in fact, the world (as America leads everything), a list of such varieties as are known to be a success financially—for money talks. The exhibition sorts will do for a few to grow, but not for the masses.

Now as to the seedlings—those it has been my pleasure to see for 1900. The first, and one I think all growers should make a note of, is Iolantha, a fine early pink, incurved, larger and better made than Mrs. Perrin, good stem (about four feet) and foliage, ready to cut about October 15. This variety is the property of Nathan Smith & Son, Adrian, Mich. Yanariva, flesh pink, built not unlike Viviand-Morel, stem a little weak, foliage good; will make a good commercial sort. It is the property of John N. May, Summit, N. J. Nellie: this is an easy name and stands for a cream white Japanese incurved, with grand, stiff stem and fine foliage. There is a place for Nellie. She is the property of Henry Rieman, Indianapolis, Ind. Arab, a bronze of medium size, incurved, good in stem and foliage; and if you want a bronze, this one is all right. It is owned by Theodore Bock, Hamilton, O. Mary Hill (the name you will all remember, and if you have ever seen this flower it would also be fixed in your memory) is an improved Perrin, but better in every way. It is owned by the E. G. Hill Co. Malcolm Lamont is a deep red, and where red is wanted this one is all right. The variety is also owned by the E. G. Hill Co.; its great fault is that the petals drop very easily. Mrs. Elmer D. Smith, yellow, on the order of Bonnaffon, no better, but the foliage is handsomer, is the property of Nathan Smith & Son, Adrian, Mich.

The seedlings I have just described are the best I have seen of the 1900 lot. They may be hard to grow and it may be that only the introducers can grow them; that, of course, remains to be seen.

Regarding exhibitions, the Cincinnati Florists' Society holds monthly shows during the Fall, Winter and Spring months. At these exhibitions cash prizes are offered, or equivalents, and no charge is made for admission. Cincinnati has long since given up the show business where an admission had to be paid to meet the expenses. At the Flower Market which we have here, one may see a flower show any Saturday afternoon, free of charge. The only way a floral exhibition can be made a success in this or any other city is to donate the surplus to charity, for the benefit of the poor and needy. This reaches all creeds; all work to make such an exhibition a success, and the business man will readily put up a guarantee fund, which you could not possibly get by any other pretext.

Speaking of pompon varieties, Diana and Belle Poitevine are the only money-makers. These two are white, and are much sought after for funeral work. The colored sorts do not sell in this market.

It is a mistaken idea to say that the Queen of Autumn has lost any of her charms, for when she appears all associates step to the rear and wait until her season is past.

E. G. GILLETT.



Fig. 2. Cut Chrysanthemum Flowers, Selected Promiscuously at Montreal Flower Show

St. Louis.

We cannot give much information that would be considered valuable, from the simple fact that this city has no growers who make any special effort in chrysanthemum culture. The quantity grown was fully as large as that of last year; in quality the flowers were no better, possibly not as good on the average. Prices ruled lower than in any previous year; those selling best being the medium-priced ones, like Ivory. Proper values for very high grade stock were hard to obtain. The best sellers were Ivory, Dalskov, Robinson, Bassett, Mrs. Glessner, for early; Golden Wedding, Modesto, Niveus, Mayflower, Appleton, Mrs. Perrin, Storm King, F. Pullman, V. Morel, Maud Dean, Major Bonnaffon and Mrs. J. Jones.

Among the poorest sellers were Glory of the Pacific, H. Sunderbruch, Mrs. Wildin, and reds and bronzes generally.

There were no pompons grown or offered for sale here, consequently they are little known in this locality, but I think they will come into favor.

A late Fall, we think, is responsible for the poorer sale this year, as outside stock was with us during the early part of the chrysanthemum season. There seems a better demand, now that the period is nearly over.

C. C. S.

Chrysanthemum Society of America.

Following are the reports of the committees judging seedlings and sports:

NOVEMBER 24.

CHICAGO.—Chestnut Hill, yellow, was exhibited by John N. May, Summit, N. J., which scored 88 points, commercial scale.

The variety exhibited by John N. May at Philadelphia, November 17, under No. 112, has been named Zampa.

EDWIN LONSDALE, Secretary.

Wyndmoor, Pa.

Detroit.

Although chrysanthemums came in late this year and we have had but very little favorable weather, the flowers seem to be as popular as ever with the flower-buying public. In white, George S. Kalb and Bergmann, Ivory, Reverie, Mrs. Jerome Jones, Toler, Chadwick, Western King and Arline were the best sellers here. In yellow, Bonnaffon, Golden Wedding, Yellow Jerome Jones, and Capt. Gridley. In pink, Murdock, Erminilda, Xeno and Helen Bloodgood seemed to be the favorites, with but very little demand either for pompon varieties or pot plants.

Our city has held no show for 10 years or more, but the matter is being agitated pretty strongly in our club, and all indications point to the holding of an exhibition in Detroit next Fall, after which I shall be able to tell your readers more about shows. RAG.

Oakland, Md.

The demand for chrysanthemums was better this year than in several years past. The supply was not equal to the demand, particularly of early varieties and first grade stock in general. Prices proved higher than last year—about 15 to 20 per cent.

For an uninterrupted succession of blooms from October 1st to January 1st we depend on not less than fifty varieties. White leads in demand, with yellow and pink following in the order named. The demand for red, bronze and other intermediate shades is small compared to that for the first three colors mentioned. Among the bad sellers we would include quite a few new ones of this year, but do not always consider one year's trial sufficient grounds to condemn a variety. Of the older sorts we will discard Mrs. Perrin, Mrs. O. P. Bassett, Solar Queen, Shillowa, White Flyer, Autumn Glory, Sunstone, Golden Trophy and Admiral Dewey (on account of being outclassed by other yellows of same date), the rest on account of unpopular color.

Our aim is to make a specialty of commercial varieties rather than exhibition varieties, although many combine both qualities. For exhibition we would name for best vase of yellow, Golden Wedding; white, Mrs. H. Weeks; pink, Maud Dean; red, G. W. Childs, and bronze, Bruant.

Of this year's introductions, from one season's experience, we would select the following as most promising: R. H. Pearson, Goldmine, yellow; White Bonnaffon, white; Superba, Lavender Queen, Orizaba, pink; Intensity, red; John Pockett, old gold, and Lady Anglesley, bronze. H. WEBER & SONS.

Newton Highlands, Mass.

The following varieties are largely grown and form the bulk of the crop sent to Boston market:

WHITE.—Lady Fitzwygram, Mme. F. Bergmann, Mrs. H. Robinson, Ivory, Mutual Friend, Minnie Wanamaker, Mrs. Jerome Jones.

YELLOW.—Marion Henderson, Gold Lode, Mrs. O. P. Bassett, Major Bonnaffon and H. W. Rieman.

PINK.—Glory of the Pacific, Pink Ivory, Mrs. Perrin, Maud Dean, F. B. Hayes, Mrs. S. T. Murdock

RED.—John Shrimpton, Cullingfordii, E. M. Bigelow.

The only variety which has obtained a certificate from the C. S. A. this season, originating in this locality, is Peerless, a white seedling in the way of Mme. Bergmann, but much larger.

In regard to the annual chrysanthemum show of the Massachusetts Horticultural Society, I think there was no appreciable difference between this year and recent years, either in interest or popularity.

As to exhibition varieties I made no complete list, but the following varieties figured largely in twenty-fives, twelves and sixes, viz.: Autumn Glory, Australie, Belle of Castlewood, Buff Globe, Good Gracious, Frank Hardy, Charles Davis, Lady Hanham, Morel, Dorothy Spaulding, Eugene Dailledouze, Eureka, Evangeline, Golden Gate, Golden Wedding, John Shrimpton, Marguerite Jeffords, Miss Georgienne Bramhall, Miss Georgiana Pitcher, Mme. Carnot, Yellow Carnot, Mme. F. Perrin, Modesto, Mrs. George West, Mrs. H. Weeks, Mrs. J. Peabody, Mrs. George A. Magee, Pennsylvania, Philadelphia, Peter Kay, Rustique, Silver Cloud, Mrs. Jerome Jones, Mrs. Barr, Mrs. J. Lewis, Mrs. Potter Palmer, Bruant, Mrs. F. A. Constable, Mayflower and Yellow Mayflower.

Varieties grown for best vase of yellow, Modesto, Peter Kay; white, Eureka, Mrs. Jerome Jones, Mrs. Bown; pink, Vivland-Morel; red, John Shrimpton; bronze, Kate Broomhead.

In specimen plants, the varieties included the following, viz.: Peter Kay, Mutual Friend, Louis Boehmer, The Bard, Mrs. F. A. Constable, Mrs. J. G. Breer, Red Warrior, Silver Cloud, Mrs. E. B. Freeman, Mrs. H. Weeks, Lady Hanham, Georgiana Pitcher, Marion Henderson, Golden Trophy, Black Hawk, Savannah, Georgienne Bramhall, Arethusa, Lady Isabel, Shellowa, Edith Smith, Kate Broomhead, Mrs. Lewis, Monoglian Prince.

Very few pompon varieties are exhibited at Boston, and probably these will remain in the background until some special effort is made in the way of prizes to bring them into prominence again.

Mount Greenwood, Ill.

I have not found the extra early varieties profitable, and so have paid little attention to those in the market this year. They bring fair prices up to the time the first large ones appear, after which they are slaughtered.

Soleil d'Octobre was our first yellow and paid well. This was followed by Yellow Queen, always a standard with us, Bonnaffon, Col. D. Appleton, perhaps the best of all yellows, then Yellow Jones and Golden Wedding.

In pinks there is room for several more good varieties; in fact, they are sadly needed. Pink Ivory (a good seller whether it comes pink or white), Perrin and Xeno were all we grew. Perrin is fine, but lacking in size. Xeno is excellent on late buds, but a washy color if the bud is taken too early.

In whites we have Ivory, White Bonnaffon, Jerome Jones and Wm. H. Chadwick. White Bonnaffon is fine, but

Springfield, Mass.

The chrysanthemum season this year held out unusually well; the New England festival—Thanksgiving—which is not complete without flowers, finished them up. It is generally agreed that those most satisfactory with our growers are some of the older sorts. For early, nothing takes the place of Ivory and Glory of the Pacific; for later, white, Minnie Wanamaker, The Queen and Mrs. Robinson are the favorites. While some will drop the two latter, others will retain The Queen at least. The best pink variety is Vivland Morel. Maud Dean is also in good favor. Golden Wedding, Major Bonnaffon and Georgiana Pitcher are the favorites in yellow. All these are for a home market, as none of our growers ship.

Prices have held about as last year, although it is thought that the flowers have been better. No seedlings or new varieties have originated in this locality.



Fig. 1. Specimen Plants Exhibited at Montreal Flower Show.

As to the present classification I think the chief difficulty with it is that the average grower will not take the trouble to investigate it, and make himself familiar with the characteristic points. If a revision were to be made I think it would be well to do away with all but the incurved, Japanese, anemone-flowered, and the pompon varieties, placing all which have a smooth and spherical outline in the incurved class, and all others which do not belong to the two latter classes, in the Japanese. The greatest objection to this would be that many beautiful forms would be lost sight of, particularly the best forms of the old Chinese incurved class. Whatever classification is made, no strict rules can be laid down as to certain varieties belonging to this or that class, but each variety should be considered in a general way to belong to the class to which it most nearly approaches; and in selecting varieties to compete in any class flowers of these varieties should be selected which most nearly approach the type established for this class. It is a well-known fact that many varieties assume different forms under different conditions, and a variety of this sort should be shown under the class, the type of which the individual flower in hand most nearly approaches, and not necessarily under the class in which the variety may usually be catalogued.

A. H. F.

I fancy will require more care in growing than some other varieties.

Among the new ones we were much pleased with Mrs. Elmer D. Smith, and think it likely to make a fine commercial variety. Timothy J. Eaton is a fine bold flower, of good color and great substance. As shown here, however, the blooms were not fully enough developed so that we could be sure the defective Wanamaker center was cured.

Yanariva is a beautiful color.

The attendance at the flower show this Fall was not so good as last year. Possibly this was due to the fact that the show was not so good.

There are no present indications that the pompon varieties will be in evidence in this market in the near future.

As a result of the crossing and recrossing and general mixing up which has been going on so actively among the large flowered varieties for years past, we have a large number of intermediate types. It seems to me that a close system of classification is impossible, and so far as the commercial grower is concerned, the commonly used descriptive words of the catalogues seem all that is needed.

The growing of chrysanthemums for cut blooms for this market has come to the point where there is little profit, except under special conditions.

W. N. RUDD.

The local horticultural society did not hold its usual exhibition this year, but several of the florists gave public receptions that were well attended.

Pompons are not much in evidence, but there is a growing feeling that they will have a prominent place in the near future.

G.

Exhibits at Montreal Show.

Illustration No. 1 shows a group of plants in not larger than 10-inch pots (with one special specimen in the center background) which was awarded second place in the challenge vase competition. The plant of Ivory at the left of the photograph was awarded a certificate as being the best plant in 10-inch pot in the show. The center plant in the foreground is a beautiful pink variety, with thread-like petals, called Autumn Queen—an ideal variety for pot culture. No. 2 shows a few of the specimen blooms, photographed the third day of the show, picked at random from the exhibits. The sixth bloom from the left in the group in the foreground, Madame Carnot, was awarded a certificate as being the best—not the biggest—bloom in the show. As exhibited this specimen measured 21 inches over the crown. Intensity, a magnificent crimson, is shown above and a trifle to the left. B.

Providence, R. I.

The demand for chrysanthemums in Providence and vicinity was ahead of all previous years. The people still want good blooms, that is, not too large, but such flowers as we get from two to three from one plant. About $2 per dozen retail suits the majority of buyers, while a few are willing to pay $3 to $4 for fancy stock.

Marquis de Montmort is still the leader in early pink with Merry Monarch for white. A few days later come Marion Henderson and Harry A. Parr, a new yellow of merit. For an early mid-season there is nothing to compare to the white and yellow Robinson.

Bonnaffon, Mrs. Park and Peter Kay, yellow; Ivory, Mrs. Crawford, Wanamaker, Western King and Fee du Chrysanthemum for white, are our best for mid season. Mrs Perrin, though small, sells well for its color. In late we have nothing that sells as well as Mrs. Jerome Jones, white; its yellow sport sells equally good. Maud Adams, Mrs. E. Buettner and Rieman are also excellent late yellows, and for a late pink we grow Mrs. Murdock; Merry Christmas is also a very valuable variety. In our opinion, Col. D. Appleton leads the list in new varieties, color, size of bloom, stem being all right.

FARQUHAR MACRAE.

Ottawa.

Chrysanthemums in this locality were more largely grown this year than formerly, but none too largely, as the successive crops have all been used, except those in houses planted especially for Christmas, which in this locality is a profitable feature of the Christmas cut-flower trade. The stock grown around Ottawa is not fancy or showy, but good medium-sized flowers. These the season through have sold from $1 to $2 per dozen, which has been the price for the last two seasons; some choice flowers have sold at $3 and a small sample of Timothy Eaton at 50c. each. But the most salable flowers here are those that can be retailed at $1.20 and $1.50.

The demand this year has been ahead of last year, and often the retailer has had to go out of town for a supply.

The varieties generally grown are (early) Mrs. Bergmann, Ivory and Mrs. Robinson for white; Marion Henderson and Lager for yellow, and Miss Dalskov and Glory of the Pacific for pink. Mid-season, white, Mrs. Weeks, Niveus, Mrs. Peabody, the Queen and Western King; yellow, Modesto, Bonnaffon, G. Pitcher, Pennsylvania, Chalfant and H. Hurrell; pink, Helen Bloodgood, Viviand-Morel and Mrs. Perrin. For the late crop, white, Mrs. J. Jones, Wanamaker, W. H. Chadwick and Merry Christmas; yellow, Lincoln, H. W. Rieman and Golden Wedding; pink, Maud Dean.

Among the varieties that have been unsatisfactory this year are Bonnaffon, not from loss of favor by the public, but that with nearly all growers in this neighborhood the plants have failed to show bud. Among newer introductions Pennsylvania promises to be one of the very best commercial sorts.

No show here this year, but at the extensive store shows interest in the flower has been as great as ever.

There are no pompon varieties grown here. E.

Montreal.

This chrysanthemum season has on the whole been a decided commercial success. The majority of retailers report an increase of sales, with a slight corresponding increase in the prices obtained. The demand has been almost wholly confined to good flowers, any inferior stock being of little value. One of the local growers has this year again found an excellent demand for flowers grown three to a stem. A few varieties, such as Glory of the Pacific, Rose Owen, Ivory and Pennsylvania, when carefully grown, are extremely effective this way, and retail readily at $1 to $1.50 per dozen flowers. With one or perhaps two exceptions, local retailers have had to rely, to a large extent, on Western flowers; but these have been plentiful and good, and no difficulty has been experienced in getting all the stock required. Excepting those mentioned above, the demand has been almost exclusively for large flowers, and for these $2 to $2.50 per dozen has been about the average price obtained. Plants, even in the smaller sizes, have proved very indifferent sellers, and it looks at present as if chrysanthemum plants of any description will have to be discarded as a commercial failure.

The varieties most in demand for cut flowers are:

EARLY.—Fitzwygram, Bergmann, Glory of the Pacific, and Polly Rose.

MIDSEASON.—Ivory, Pennsylvania, Viviand-Morel, Golden Wedding, Rose Owen, Mrs. Perrin and Charles Davis.

LATE.—Mrs. Jerome Jones, Niveus, Helen Bloodgood, and Bonnaffon.

Commercially, very few of this year's varieties have been grown; but two of these that can be relied on to find a place in future years, are Col. D. Appleton and Lavender Queen.

The annual exhibition this, as in former years, was a financial failure. Everything feasible that has been suggested to arouse popular appreciation has been tried, but public indifference is still in the ascendant, and I am afraid there is at present little hope for a change.

There are so very many varieties grown for exhibition purposes locally, and each grower is a stanch believer in his particular favorites, that it is an absolute impossibility to pick out any 12 varieties as the best. Any 12 of these varieties will give satisfaction: White, Mme. Carnot, Mrs. Weeks, Mrs. F. A. Constable; yellow, Golden Wedding, Col. D. Appleton, Minerva; Col. W. B. Smith, bronzy yellow; yellow, Mme. Carnot or Australian Gold; pink, Viviand-Morel, Iora, George A. Magee; crimson, Intensity, Black Hawk; Mrs. George West, plum color; Leonidas, claret; The Barrington, maroon, silver reverse.

Six varieties, white, Madame Carnot; yellow, Col. D. Appleton or Golden Wedding; pink, Viviand-Morel; crimson, Intensity or Black Hawk; bronze, Col. Smith.

Vase of yellow, Col. D. Appleton or Golden Wedding; white, Madame Carnot; pink, Viviand-Morel or Autumn Glory; crimson, Intensity or Black Hawk; bronze, Col. W. B. Smith or Marguerite Jeffords.

Private growers have tried nearly all the new varieties, and the following can be confidently recommended: Col. D. Appleton, Goldmine, Intensity, Lavender Queen, Souci, Orizaba, Idavan, Rustique and Nesota.

For specimen plants, the following are most suitable for six specimens: White, Mrs. Weeks, Ivory; yellow, Harry Hurrell; pink, Mrs. Perrin, Autumn Queen; crimson, Shrimpton or Childs.

Three specimen plants, Mrs. Henry Weeks, Harry Hurrel, Autumn, Queen or Mrs. Perrin. One specimen, Mrs. Weeks, or Ivory.

The pompon varieties are little grown and have been little thought of here until the recent revival. Three of the best local growers announce their intention of giving this section an extended trial next year. B.

Awards at Montreal Show.

GROUPS OF PLANTS.

Chrysanthemums and foliage plants, arranged for effect—F. C. Smith, gardener to Sir William Van Horne, first; W. J. Wilshire, gardener to Mr. R. B. Angus, second; A. Pinoteau, city gardener, third; R. W. Whitney, gardener to Mr. H. S. Mussen, fourth.

Chrysanthemums only—William Whitmag, gardener to Mr. Thomas Peck, first; J. Pidduck, Mount Royal Park, second; A. Pinoteau, third; William C. Hall, florist, fourth.

CHRYSANTHEMUM PLANTS.

Six specimen plants, distinct varieties—C. A. Smith, gardener to Mr. T. A. Dawes, Lachine, first, and challenge cup; W. G. Pascoe, gardener to Mr. Robert Reford, second; G. A. Robinson, gardener to Mr. A. Joyce, third.



Vase of Chrysanthemum Col. D. Appleton, Exhibited by A. L. Marshall at Mt. Kisco, (N. Y.) Show.

Three specimen plants, distinct varieties—G. Pascoe, first; C. A. Smith, second; F. Bennett, gardener to Mr. Joseph Bennett, Lachine, third.

One specimen plant—C. A. Smith, first; G. A. Robinson, second.

Twelve plants—G. A. Robinson.

Six plants—G. A. Robinson, first; C. A. Smith second.

Twelve plants—J. Pidduck, first.

Certificate of merit for best chrysanthemum plant in show—W. G. Pascoe.

MISCELLANEOUS PLANTS.

One hundred mixed ferns—Wilshire Bros., florists, first; John Eddy & Sons, florists, second; P. McKeons & Son, florists, third; W. C. Hall, fourth.

Fifty mixed ferns—Joseph Bennett, florist, first; John Eddy & Sons, second; W. G. Pascoe, third.

Twenty-five ferns—Wilshire Bros., first; Joseph Bennett, second.

Three specimen ferns—F. C. Smith, first.

One specimen fern—W. J. Wilshire, first; F. C. Smith, second; W. Alcock, gardener to Mrs. Hugh McLennan, third.

Fern or ferns, in hanging basket or pot, not larger than 15 inches diameter—W. J. Wilshire, first; W. Whiteman, second; John Eddy & Sons, third.

One specimen tree fern—W. J. Wilshire, first; John Walsh, gardener to Mrs. W. W. Ogilvie, second; F. C. Smith, third; G. Pascoe, fourth.

Six palms—F. C. Smith, first; W. H. Horobin, gardener to Mr. R. G. Reid, second.

Three palms—F. C. Smith, first; John Walsh, second; R. W. Whitings, third.

One specimen palm—John Walsh, first; F. C. Smith, second; Joseph Bennett, third; R. W. Whiting, fourth.

Six orchids—F. C. Smith, first.

Three orchids—W. J. Wilshire, first; R. W. Whiting, second.

One orchid—F. C. Smith, first; R. W. Whiting, second.

One epiphyllum—J. Walsh, first; W. Alcock, second.

Six Primula sinensis—W. J. Wilshire, first; C. A. Smith, second; W. G. Pascoe, third.

Six Solanum capsicastrum—C. A. Smith, first; Joseph Bennett, second; W. Alcock, third.

Two specimen pots, callas—George Robinson, first; John Walsh, second.

One specimen pot Ruellia—W. J. Wilshire, first; John Walsh, second.

One Asparagus Sprengerii, basket or pot—John Walsh, first; W. C. Hall, second.

One begonia, Oloire de Lorraine, basket or pot—F. C. Smith, first and certificate of merit; P. McKenna & Son, second.

One Acalypha Sanderii—Geo. Robinson, first; F. C. Smith, second; John Walsh, third.

Six zonal geraniums—R. W. Whiting, first.

Three flowering begonias, distinct varieties—R. W. Whiting, first.

CUT CHRYSANTHEMUMS.

Twelve blooms—W. J. Wilshire, first, and challenge cup; Thomas McHugh, gardener to the Forest and Stream Club, second; C. A. Smith, third; G. A. Robinson, fourth.

Six blooms—T. McHugh, first; C. A. Smith, second; W. J. Wilshire, third.

Three blooms, white—Thomas McHugh, first; W. H. Horobin, second.

Three blooms, yellow—Thomas McHugh, first; Fred. Bennett, second; C. A. Smith, third.

Three blooms, pink—Thomas McHugh, first; W. J. Wilshire, second; C. A. Smith, third.

Three blooms, red or crimson—W. H. Horobin, first; Thomas McHugh, second.

Certificate of merit for best and largest bloom in show—Thomas McHugh, for variety Mme. Carnot.

ROSES AND CARNATIONS.

Twelve Sunset or Perle—W. H. Horobin, second.

Twenty-five white carnations—P. McKenna & Son, first; G. A. Robinson, second.

Twenty-five carnations, light pink—P. McKeona & Son, first.

Twenty-five carnations, dark pink—P. McKenna & Son, first.

Twenty-five yellow carnations—P. McKenna & Son, first.

Mantel decoration—Wilshire Bros., first; Joseph Bennett, second.

Vase of chrysanthemums, arranged for effect, and foliage allowed—Wilshire Bros., first; P. McKenna & Son, second; Joseph Bennett, third.

Pan of foliage plants suitable for table, pan not to exceed 10 inches—Wilshire Bros., first; John Eddy & Sons, second; G. A. Robinson, third; W. C. Hall, fourth; W. Alcock, fifth.

Basket of chrysanthemums, basket not to exceed 20 inches—Joseph Bennett, first.

Basket of flowers—Wilshire Bros, first.

Funeral design, wreath, frame not to exceed 24 inches—Wilshire Bros., first; John Eddy & Sons, second; Joseph Bennett, third.

Funeral design, wreath of chrysanthemums, frame not to exceed 24 inches—Joseph Bennett, first; Wilshire Bros. and John Eddy & Sons, equal, second; P. McKenna & Son, third.

Adrian, Mich.

Supply and demand have been the same as usual, with prices about 10 per cent. lower. There was no special call for certain varieties in early and mid-season stock; pink and white sold best.

In late varieties Goldmine and Nagoya sold best in yellow; William H. Chadwick and White Bonnaffon in white, and Lavender Queen and Xeno in pink, respectively.

Of the new varieties of last season Walter Molatsch and Monrovia are valuable additions to the early yellows; Primo, early white, is also very good. Orizaba is a very fine mid-season pink and Col. D. Appleton is the best mid-season yellow introduced since the arrival of Modesto. In the late section White Bonnaffon, white; Goldmine, yellow; Lavender Queen and Superba, pink; and Intensity, crimson, have all shown up well.

We have received C. S. A. certificates on the following varieties: Iolantha, Omega, Mrs. Ritson and Mrs. Elmer D. Smith. The latter is an extra fine variety, and we think will supersede Major Bonnaffon.

For best 12 kinds of cut blooms as exhibition varieties, the following are the best with us: Merza, Orizaba, Col. D. Appleton, Idavan, Bruant, Chito, Rustique, Iora, Mrs. F. A. Constable, Lady Hanham, Lady Anglesey, V. Morel and Modesto.

Best six cut blooms, Merza, Col. D. Appleton, Rustique, Orizaba, Idavan and Bruant.

Best vase of yellow, Col. D. Appleton; white, Merza; pink, Orizaba; red, Shilowa; bronze, Rustique.

Pompons are not largely grown here and are used only on special occasions.

We think it practically impossible to make a revised classification of chrysanthemums in this country, as the types have been so intercrossed that two men equally versed would disagree on many varieties. NATHAN SMITH & SON.

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FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO. LTD.

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00.
Payable in advance. The date on the address label indicates when subscription expires.

CHANGES OF ADDRESS.

When notifying the publishers to send the paper to a new address, give both old and new addresses.

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Shipping Tags and Labels.

Daniel B. Long, Buffalo, N. Y., sends us this week tag and label ideas in three-color work, one a Meteor rose, the other a geranium, both very striking and serviceable to those shippers, specialists in these lines.

Culinary Topics, a new magazine published in Boston, is offering prizes for articles on floral subjects, and announces that such articles will be published throughout the year.

Fall Shows of 1900.

The reports received from the various centers at which exhibitions have been held during the season just past, indicate that the Fall shows this year have been generally satisfactory, both from an exhibition standpoint and financially, our Canadian friends being among the exceptions so far as the paying qualities of the exhibitions are concerned. This general result, largely due to the improvement in the quality of the stock shown, and the greater publicity given the undertakings by the daily press, is all the more gratifying when are taken into consideration the various factors that militate against success which have had to be contended with, among them the presidential election, always a disturbing element so far as attendance is concerned; the inclemency of the weather, and the fact that the parks in the large cities where exhibitions have been given also have provided free flower shows for the delectation of the public. It has been observed that in places where exhibitions have been held with a free admission, the people have attended in overwhelmingly large numbers, proving conclusively that the flower show is still as popular as ever, and offering a suggestion that the price charged for admission may have had something to do with the restricted attendances which have heretofore characterized some of the flower show ventures.

In several instances it has been noted, with regret, that the trade has shown less inclination than formerly to put up exhibits, and that, too, in the face of the great inducements offered by the premium lists. This condition is one that is hard of explanation. The florist's trade is by far the greatest beneficiary from the flower show, and it would seem that every effort put forth to provide such, would receive the unstinted indorsement and support of the commercial grower. In later years, however, the very laudable endeavors of the leading horticultural societies to furnish floral exhibitions have not had accorded them the assistance from the trade which they ought and do assuredly merit. Too many of our growers have been content to allow the private gardener and the amateur to assume the burden of making the necessary display, while the commercial man has sat quietly by and drawn his share of the accruing benefits, believing that it "pays" him better to make a private show at his greenhouses with consequent less trouble and expense. We do not think there is any justification either for this belief, or the apathy to the general flower shows that it begets. Every man at all interested in his business should also be interested in the exhibitions occurring in his district to the extent of lending them his willing support. No greater evil can befall the florist trade than that the commercial grower should hold aloof from the flower show.

The beginning of a new century will be a good time for the trade to turn over a new leaf in this respect, and we hope that the shows of 1901, cordially supported by professional growers and amateurs, will set an example the like of which has heretofore never been witnessed. To this end, in some one of our large cities, the Chrysanthemum Society of America will, it is believed, afford every encouragement.

The inquiry has lately been made by some of the less optimistic, as to whether flower shows are not on the wane, and if societies are not more useful as a means for holding meetings for the discussion of horticultural and agricultural matters, rather than in promoting exhibitions. The first part of this question is, we believe, fully answered in the negative by the results attending the majority of the exhibitions this Fall, while Professor Bailey in his "Cyclopedia of Horticulture," furnishes a reply to the second query in this wise: "A leading value of an exhibition is to maintain a society. The annual or periodical show keeps alive interest in the society and thereby enables the society to extend its beneficent work." In other words, the creation of an exhibition gives all of the members something to do and prevents the society, or club, from falling into that innocuous desuetude, which the discussion of horticultural and agricultural matters, purely and simply, sooner or later, will plunge it. The horticultural society or florists' club that flourishes the most is the one that works the hardest; the one that sets itself a task, the accomplishment of which necessitates the earnest endeavor of every member; and as flower shows tend to this consummation they are to be encouraged. We would also refer our readers to some good advice on this subject appearing on page 1177, this issue, under the heading of "A Local Horticultural Society."

Spot Disease of the Violet.

We have been favored with a copy of the Bulletin on this subject, mentioned in last week's issue, page 1146, from which we make the following extracts. Mr. Dorsett says:

The conditions favoring the development and spread of the fungus may be considered under two heads, viz., natural conditions and artificial conditions. Among natural conditions those of the damp, warm, cloudy weather of the summer season are the most difficult to modify or control.

Conditions of this nature are almost invariably present during the months of August and September. The days are long and usually hot and dry, followed, as a rule, by cool, moist nights. The plants at this time are subjected to extreme changes, viz., from the hot, dry atmosphere during the day, which frequently causes them to become wilted and remain so for several hours, to the cool, moist atmosphere of the night, which causes them to become excessively turgid. Conditions of this kind induce a rapid, weak, soft, or succulent growth of the plants which is particularly subject to disease and at the same time favors the germination and development of the spores of the fungus. It is at this season of the year, as a rule, that the spot disease is most abundant and destructive. This is the time for great vigilance, and every condition influencing plant growth must be made as favorable as possible to a hardy, healthy growth which will be able to withstand the attacks of disease. The grower who is able to accomplish this and tide his plants over this critical period of their growth in a comparatively healthy condition is fortunate, and, as a rule, has little to fear from the disease during the remainder of the season.

Artificial conditions include those wholly or in part under the control of the grower. They are too often neglected, resulting, as a rule, in disease and consequent loss and discouragement. They may be enumerated as follows:

(1) Not keeping the houses or frames clean, fresh and sweet by frequently repairing and painting them and by removing and destroying rubbish of all kinds as soon as it appears.

(2) Not keeping the plants clean and in the best possible growing condition at all times.

(3) Not selecting stock from strong, vigorous plants that have been entirely free from disease.

(4) Not being careful to select only strong, vigorous, healthy stock from the cutting bed for planting in the spring.

(5) Not giving the proper attention to the selection and preparation of the soil, to the date and method of planting, and to the care and cultivation of the plants during the growing season.

(6) Not giving due consideration to the several varieties and their adaptability to the soil and location in which they are to be grown.

While the susceptibility of the plant to disease depends largely upon the way in which it has been grown, still, as a whole, some varieties are more susceptible than others; Marie Louise, for example, even under conditions most favorable to growth, is more subject to injury from spot than is Lady Hume Campbell. The former variety can be grown to perfection only under the most favorable conditions, but when thus grown it has no equal for size, color and excellency of flower. The hardier, more resistant and more prolific variety Campbell stands next to Marie Louise in quality of flowers, lacking only the deep rich color of the latter. The single varieties are, as a rule, more resistant than the double, though occasionally they are seriously affected.

Regarding preventive measures the following information is supplied:

So far as we are aware there is at present no effective remedy for this disease when it has gained a foothold. The principal fungicides in common use for the prevention and check of plant diseases have frequently been tried for this trouble, but with varying results. The experiments of the Division in spraying violets with some of the more important of these, among them Bordeaux mixture and ammoniacal solution of copper carbonate, seem to show that they possess little or no value in preventing the disease, while on the other hand they render the foliage worthless for bunching with the flowers, and thus occasion considerable loss and inconvenience. From the writer's experience and that of many others it would seem that the solution of this problem of controlling the disease lies in preventing it by giving careful attention to the production of vigorous, healthy, plant growth rather than in attempting to check the trouble after it has once gained a foothold.

The successful growing of violets free from disease and the production of flowers of the best quality are governed by a number of factors which must be kept in mind. The principal rules which should govern the grower are the following:

(1) Study carefully the behavior of the plants under the varying conditions surrounding them. Endeavor by modifying these conditions, when necessary, to secure plants of ideal development. Set the standard of excellence high and be satisfied with nothing short of its attainment.

(2) Grow the plants during the entire season where they can be given the conditions necessary for making a vigorous, healthy growth, and where they can be protected at all times from conditions likely to induce disease.

(3) Keep the houses or frames clean, sweet and in perfect condition for growing healthy plants, by repairing and painting them when necessary, and by removing and destroying all rubbish likely to harbor vermin or disease.

(4) Propagate only from healthy, vigorous stock of known parentage at the season most favorable to the plants.

(5) Select each spring none but perfectly healthy, vigorous plants from the rooted cuttings for planting into the houses or frames. Old plants are sometimes carried over, and occasionally yield a large crop of flowers. They are not as reliable as the young plants, however, and are much more liable to all kinds of disease. The best growers rarely use them if it is possible to secure strong, healthy young plants for spring or early summer planting.

(6) Keep the plants clean of yellow, dead or dying leaves, being careful to destroy them after removing them from the plants.

(7) Keep the plants free from insects and other animal pests.

(8) Give careful attention to ventilating, heating and shading the houses or frames and to watering, cleaning and cultivating the plants.

(9) Renew the soil in the beds each season before setting in the young plants by removing from eight to twelve inches of the surface soil and replacing it with that freshly prepared.

(10) Set the young plants early in the spring in the beds where they are to remain during the season, so that they may get well established before the hot, dry weather of summer makes its appearance.

Careful attention given to the above directions for a number of years will, it is believed, result in the production of a strain of plants that are not only practically disease resistant, but are also ideal as regards regularity and symmetry of growth, length and strength of flower stems, and yield, size, substance and quality of flowers produced.

A New Shipping Device.

E. H. Callahan & Co., 9 North Moore Street, New York, are introducing a triangular mail and express tube, on which they have applied for a patent. It is made of corrugated pasteboard, the corrugations running around the triangle, making the tube very strong. The boards are furnished flat, scored where two of the angles will come; the third angle is made by joining the edges with a gummed paper flap. Extension paper ends are also furnished which can be turned back inside the tube to prevent any loose contents from slipping out.

Florists' Supplies in New York for the Holidays.

While the demand for made-up baskets of plants during the holiday season is increasing year by year, it is a noticeable fact that there is less reaching out after new styles in baskets than formerly, and that retailers generally rely more upon the manner in which the baskets are filled than upon any novelty in the basket itself. The birch bark baskets are to be used more than any other kind this Christmas, and they are to be had in various shapes, also with different colored trimmings. Those finished in the dark green lufia are undoubtedly the best trimmed of any. The lufia gives such a moss-like effect that, combined with the bark, it reminds one at once of natural wood that has become partly overgrown with moss. This basket is made in many different shapes, and can be filled with plants of any color, being sure to look well.

The hamper shape is the most suitable where low-growing plants are desired; while for taller effects the round basket, with a high handle, is to be preferred. One style of the high-handled, round basket has been made, with lufia arranged around the edge so that were the handles only missing it would pass easily as a corset model. Whether or not the makers had this aim in view we do not know. The basket will, for this very reason, no doubt, find but a limited demand.

As regards other goods, judging from the stock seen, the quality of the holly this season is all right. S. J. Limprecht, 119 West 30th Street, has contracted for an unusually large number of cases of guaranteed quality, and from present indications there will be no advance on last year's prices. Mr. Limprecht also expects to have a good supply of ground pine, though shipments thus far have been smaller than half of the quantity ordered, owing to early snow falling and stopping the operations of the pickers. On this article there will probably be an advance in price.

Bronze galax leaves are coming in in fine condition now.

Reports on the supply of domestic mistletoe are to the effect that a choice crop may be expected.

Besides the natural green business, Mr. Limprecht carries a full line of florists' supplies.

H. A. Bunyard has added an annex for the handling of his extensive business in all kinds of greens by temporarily taking the vacant store at 46 West 28th Street. Green and bronze galax leaves, cut ferns, holly, wild smilax, and all available green stocks are always on hand, and with the additional space at command he will be enabled to handle with ease an immense holiday trade.

Sigmund Geller, 108 West 28th Street, has a very complete line of baskets, covering all the newest designs, and an immense stock of immortelles. A recent importation of French baskets in various colors proved about the quickest sellers on record.

Reed & Keller, 102 West 25th Street, have three floors filled to overflowing with supplies, and by next Spring expect to occupy the whole building in which they are located, for the manufacture and display of their goods. In addition to the three floors, they have a cold storage warehouse located across the street for their green goods. In wire work they have a complete line. Among their new designs are several forms of casket crosses, some being made with short supports, so that they can be filled solid with flowers and stand upon the casket without marring their beauty. Another of their latest devices is the extension circular canopy. This is a creation that can be made any height up to 10 or 12 feet. A large circle stands on a pedestal. Around the circle are placed, at intervals, 14 cornucopia glasses, in which bouquets of flowers can be put. When these cornucopias are filled and the circle and pedestal draped with vines a beautiful setting either for church or parlor decoration is the result. Baskets of every description are on hand here, among them some pretty effects in birch bark, bound with willow; while for pot covers, some daluty effects are produced in lufia.

L. J. Kreshover has opened a branch store at 173 Greenwich Street, where a full line of florists' supplies, holly and other greens are on hand for the holidays.

C. S. Hendrickson, 315 Washington Street, Cleary & Co., J. C. Vaughan, Wm. Elliott & Sons and Stumpp & Walter Co., will all have supplies of holly. A. Rolker & Sons have a full line of immortelles, baskets, jardinieres, etc.

Emil Steffens' specialty is wire designs, and he has always a full supply.

New York.

The Market.

The inclement weather experienced in the beginning of the week had a very depressing effect on the cut-flower business. Added to this, stock has become much more plentiful, and prices necessarily have dropped on the ordinary grades of both roses and carnations, as well as for bulbous stock, such as Roman hyacinths and Paper White narcissus. The quality of American Beauty is not as good as it was, and while some so-called specials go at 35c. each, others, that are strictly special, bring 50c. Bride and Bridesmaid have been quite a drug; many have been carried over and ultimately sold in job lots for funeral work at ruinous prices. Liberty roses, while not very plentiful, are seen in various stages of perfection. Some flowers have realized as high as 20c. each, others only 4c. There has also been a fair supply of good Meteor, which has met with good demand.

Chrysanthemums play but an unimportant part in the cut-flower business of this city after Thanksgiving, and although a limited quantity is still coming in, no fancy prices are obtained.

Violets, while not in very heavy supply, have, owing to the disagreeable weather, accumulated in the hands of the dealers; and such stock is now being handled by the street venders. When this is the case it is a sure indication that violets have got down to 50c. or less.

There is a limited quantity of lily of the valley, for which $5 can be realized; for a greater supply, however, it is difficult to obtain $2.50 and $3.

Roman hyacinths are a drug at present, and fail to clear out even when offered at $1.50 and $2 per 100. Paper White narcissus are in the same condition; many more are coming in than the wants of the trade warrant; $2 per 100 is the highest figure asked for narcissus.

Carnations have become much too plentiful for the demand, and quantities of the ordinary kinds have been sold as low as 50c. per 100.

Among the retailers there is a general feeling that the coming Christmas will see the biggest business on record. Plants have, however, come to be such an important feature for this holiday, that whether this prophecy (if it comes true) will pertain much to cut flowers or not, cannot be determined until Christmas is over.

Jottings.

The regular monthly meeting of the New York Florists' Club will be held Monday evening, December 10, in the rooms, corner 27th Street and Broadway. The election of officers for the ensuing year will take place, and a report from the committees on the proposed flower show for 1901 will be presented.

The last sales in the auction rooms for this season will probably be held on Friday, the 14th inst.

Visitors in town this week were H. H. Battles, Philadelphia, Pa., and W. R. Smith and W. F. Gude, of Washington, D. C., who were here attending the banquet of the St. Andrew's Society at Delmonico's on Friday, November 30.

The regular meeting of the American Institute, horticultural section, occurs Wednesday next, at 2 p. m., at the Berkeley Lyceum. Orchids will be the subject discussed. At 4 p. m. will be held, in the same building, the meeting of the Horticultural Society of New York, when Dr. Britton will talk on the subject of "Botanical Gardens and Museums Abroad."

On Thursday next, December 13, the New York Florists' bowling team will play a return match with the Flatbush boys on the latter's alleys. Monday being the day of the Florists' Club meeting, the bowlers will meet in the afternoon of that day.

John N. May was in Boston a few days this week on a business trip.

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Roses	A. Beauty, fancy—special	35.00 to 50.00
	" extra	20.00 to 30.00
	" No. 1	10.00 to 15.00
	" Culls & ordinary	6.00 to 10.00
	Bride, 'Maid, fancy—spc'l	8.00 to 10.00
	" extra	4.00 to 6.00
	" No. 1	2.00 to 4.00
	" No. 2	1.00 to 2.00
	K. A. Victoria	3.00 to 10.00
	La France	..... to .....
	Liberty	4.00 to 20.00
	Meteor	4.00 to 10.00
	Papa Gontier	..... to .....
	Perle	2.00 to 5.00
Adiantum		.50 to .75
Asparagus		25.00 to 35.00
Callas		8.00 to 10.00
Chrysanthemums		2.00 to 6.00
	" fancy	8.00 to 15.00
Daisies		.50 to .75
Lilies		12.00 to 15.00

Carnations	Inf'r grades, all colors	.50 to .75
	Standard Varieties: White	.50 to 2.00
	Pink	.50 to 2.00
	Red	.50 to 2.00
	Yel. & Var	.50 to 2.00
	*Fancy—(*The highest grades of standard var.) White	2.00 to 4.00
	Pink	2.00 to 4.00
	Red	2.00 to 4.00
	Yel. & Var	2.00 to 6.00
	Novelties	4.00 to 10.00
Lily of the Valley		2.50 to 4.00
Mignonette—ordinary		2.00 to 4.00
	" fancy	6.00 to 8.00
Narcissus Paper White		..... to 2.00
Orchids—		
	Cattleyas	35.00 to 60.00
	Cypripediums	..... to 12.00
	Dendrobium formosum	15.00 to 25.00
Roman Hyacinths		1.50 to 2.00
Smilax		8.00 to 10.00
Violets—ordinary		.35 to .75
	" fancy	1.00 to 2.00

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	Name and Varieties	Boston Dec. 6, 1900	Philadelphia Dec. 6, 1900	Baltimore Dec. 5, 1900	Buffalo Dec. 5, 1900	Toronto Dec. 3, 1900
Roses	A. Beauty, fancy—special	35.00 to 50.00	40.00 to 60.00	.... to	35.00 to 40.00	.... to ....
	" extra	20.00 to 25.00	35.00 to 40.00	.... to	20.00 to 25.00	.... to 25.00
	" No. 1	12.50 to 16.00	15.00 to 35.00	25.00 to 35.00	10.00 to 15.00	15.00 to 20.00
	" Culls & ordinary	6.00 to 10.00	6.00 to 20.00	6.00 to 12.00	.... to	.... to ....
	Bride, 'Maid, fancy—spc'l	12.50 to 14.00	10.00 to 15.00	.... to	.... to	.... to ....
	" extra	8.00 to 10.00	6.00 to 12.00	.... to	7.00 to 8.00	.... to 8.00
	" No. 1	.... to 6.00	4.00 to 10.00	5.00 to 6.00	5.00 to 7.00	.... to ....
	" No. 2	2.00 to 5.00	2.00 to 6.00	3.00 to 4.00	3.00 to 4.00	2.00 to ....
	K. A. Victoria	4.00 to 12.50	8.00 to 10.00	.... to 8.00	4.00 to 8.00	.... to ....
	La France	.... to	.... to	3.00 to 5.00	.... to	.... to ....
	Liberty	.... to	8.00 to 25.00	3.00 to 6.00	.... to	3.00 to 10.00
	Meteor	3.00 to 8.00	2.00 to 10.00	3.00 to 5.00	4.00 to 8.00	2.00 to 3.00
	Papa Gontier	.... to	.... to	3.00 to 4.00	.... to	.... to ....
	Perle	.... to	4.00 to 7.00	3.00 to 5.00	3.00 to 5.00	2.00 to 5.00
	ORCHIDS—Cattleyas	.... to	.... to 50.00	.... to	.... to	25.00 to 30.00
	Cypripediums	.... to	15.00 to 20.00	.... to	.... to	10.00 to 12.00
	Deodroblum formosum	.... to	25.00 to 30.00	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	1.00 to 1.50	.50 to 2.00	1.00 to 1.25	1.00 to 1.25	.60 to 1.00
	Standard Varieties White	2.00 to 2.50	1.50 to 4.00	1.50 to 1.75	1.50 to 2.00	1.00 to 2.50
	Standard Varieties Pink	2.00 to 2.50	1.50 to 4.00	1.50 to 1.75	1.50 to 2.00	1.00 to 2.50
	Standard Varieties Red	2.00 to 2.50	1.50 to 4.00	1.50 to 1.75	1.50 to 2.00	1.00 to 2.50
	Standard Varieties Yel.&Var.	2.00 to 2.50	1.50 to 4.00	.... to	1.50 to 2.00	2.00 to 3.00
	"Fancy—White	2.50 to 3.00	2.50 to 6.00	2.00 to 3.00	2.50 to 3.00	.... to ....
	("The highest grades of standard var) Pink	2.50 to 3.00	2.50 to 6.00	2.00 to 3.00	2.50 to 3.00	.... to ....
	("The highest grades of standard var) Red	2.50 to 3.00	2.50 to 6.00	2.00 to 3.00	2.50 to 3.00	.... to ....
	("The highest grades of standard var) Yel.&Var.	2.50 to 3.00	3.00 to 5.00	2.00 to 3.00	2.50 to 3.00	.... to ....
	Novelties	3.50 to 4.00	4.00 to 5.00	.... to	.... to	.... to ....
	Adiantum	.75 to 1.00	.75 to 1.00	.... to 1.00	.75 to 1.25	.... to .50
	Asparagus	25.00 to 50.00	35.00 to 50.00	15.00 to 75.00	50.00 to 60.00	30.00 to 50.00
	Callas	.... to	8.00 to 10.00	6.00 to 10.00	10.00 to 15.00	5.00 to 8.00
	Chrysanthemums	6.00 to 12.50	.... to	3.00 to 8.00	5.00 to 6.00	2.00 to 4.00
	" Fancy	12.50 to 16.00	.... to	10.00 to 18.00	15.00 to 30.00	6.00 to 20.00
	Daisies	.... to	.... to	.... to	.... to	.... to ....
	Lilies	8.00 to 12.50	.... to	.... to	.... to	.... to ....
	Lily of the Valley	2.00 to 4.00	2.00 to 5.00	.... to	3.00 to 4.00	2.00 to 4.00
	Mignonette—ordinary	1.50 to 2.00	3.00 to 5.00	1.00 to 2.00	.... to	2.00 to 4.00
	" fancy	3.00 to 4.00	.... to	.... to	.... to	.... to ....
	Narcissus	1.00 to 1.50	3.00 to 4.00	.... to	3.00 to 4.00	2.00 to 4.00
	Smilax	.... to	12.00 to 20.00	10.00 to 25.00	12.00 to 15.00	.... to 25.00
	Violets—ordinary	.... to .75	.50 to .75	.50 to .75	1.00 to 1.25	.60 to 1.00
	" fancy	1.00 to 1.25	1.00 to 1.50	.... to	1.50 to 2.00	1.00 to 1.50

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Review of Chrysanthemum Market.

(Continued).

Baltimore.

The chrysanthemum season has been satisfactory; the demand was steady and, this year, as good as ever before. Prices have ruled about 20 per cent. lower than last year; but the cause of this may be found in the inferior quality, or better, perhaps, the smaller size of the flowers offered for sale; $2.50 to $3 was a fair average retail price obtained this year.

While in a small measure the chrysanthemums may have taken the place of roses and carnations, they certainly have created a market for themselves and have become an established, regular source of income to many growers. Prominent market gardeners hold that the chrysanthemum season is about as profitable as the bedding-plant trade in Spring, and from a cultivator's standpoint, chrysanthemums are found to be the best crop to be combined with bedding-plant growing. The only men who may find reason for complaint are the rose and carnation growers. But our market has always shown a decided falling off in the supply of these flowers with the advent of the cloudy November days, so that other resources are actually necessary to meet the demands of the opening season; and, on the other hand, the rose growers and carnationists can make good what little loss in sales they do experience through the chrysanthemums, by strengthening their plants for a better Christmas crop.

Chrysanthemums are used nearly exclusively for decorating, i. e., they are not worn any more by either ladies or gentlemen, but every household has its vase or vases filled with the flowers, and they form the predominating element in church and house decorations, as well as in funeral work.

Incurved, medium-sized flowers sell the best. In color white leads, and then follow pink and yellow, while for decorating only one color is generally used. The majority of chrysanthemums are sold in collections by the dozen, and then a red or crimson flower is generally added, more as a curiosity than for the sake of its color.

Early chrysanthemums are the most profitable; as the market gets filled the prices gradually decrease, but there is an appreciable reaction of prices again toward the end of the season. Thanksgiving Day is the banner day for chrysanthemums.

Willowbrook is the favorite early white, with Bergmann second. Lady Harriet is now the popular early pink. In yellow Fitzwygram, Robert Halliday and Harry Parr are the pioneers. The leaders in different colors are:

WHITE—Robinson, Arline, Ivory, Queen, Mrs. Jerome Jones, Mayflower, Niveus.

PINK—Viviand-Morel, Shaw, Mrs. Perrin, Maud Dean, President Smith, Ivory, Jones, Mrs. Jenkins.

YELLOW—Bonnaffon, Georgiana Pitcher, Bramhall, Modesto, Mrs. Trenor L. Park, Golden Wedding.

RED—G. W. Childs.

A new Baltimore seedling of merit is Joseph W. Cook (John Cook), an early pure white, reflexed, especially recommendable as a pot plant.

Our last exhibition, free to the public, was a success in attracting a great number of visitors; but it was necessarily a small show in comparison with former efforts. The Baltimore public in general is undoubtedly devoted to flowers; still they have been reluctant to pay the admission fees charged at the preceding shows, and this has led the club to discontinue the regular exhibitions. It is, of course, difficult to analyze public sentiment; but with an enthusiastic flower-loving public, which our Baltimore people are, the indifference toward supporting the regular exhibitions cannot but indicate that the people are not satisfied with the bargain they make in paying the gate money. And why? Probably because they can admire the same fine flowers in the stores or on the market stalls, etc., and even though a greater quantity is brought together in an exhibition hall, the opportunity of examining the individual blooms there is not better than that afforded by a walk through the markets or along Charles Street. And, in fact, has not the object of the chrysanthemum shows been attained anyhow? With us, the Queen of Autumn enjoys a popularity which it would be difficult to further increase; the shows have been held to make the public appreciate the merits of the flowers; the people have learned the lesson willingly and well; they paid for it and feel that they can keep *au fait* now without incurring any further expense. And perhaps they feel, too, that in the bargain they made at the gates of the show, the florist got all the profit—they paid for the advertisement which made them flower buyers.

Nowadays, the retailers in every branch of business go to extraordinary expense to attract the public's attention, and are glad to have an opportunity to show to their customers what they want to sell, free of charge. For the shows which we have held we cannot claim any higher standard than that of a good retail trade exhibit; indeed, we had no other aim in view than to create a market for our produce.

This is probably the cause of the bad success of our late shows. The public has for more than ten years been invited again and again, to practically the same systematically staged collection of fine plants and flowers. Since the successful inauguration of the chrysanthemum shows in this city the showmen have not introduced anything of special moment to stimulate the interest of the public, while the store and market men have made great efforts to show the public, not only as fine flowers and plants in their places of business as the showmen desire to exhibit for money, but their daily varying displays are generally arranged in artistic and original designs.

The shows of the old style have outlived themselves; the public do not patronize them so freely any more, because they are out of date; not because the public are tired of going to shows. We have to aim higher, as everybody advances around us; we have to show progress in our exhibition. We have exhibited the individual plant and flower for a score of years, all the time the grower has given examples of his skill; but nowadays the grower is not in touch with the public any more. Progress has developed matters differently; there are the wholesale dealer and retailer between him and the public. Let the man in daily intercourse with the public take the lead in exhibitions now; let us show the best we can raise and arrange it to produce the best possible effect, let us show the public the many forms and ways in which the product of the gardener's skill may be enjoyed; let it henceforth be an exhibition of "ornamental horticulture" of floral art, an exposition of what the combined efforts of all the special branches of our profession can create.

On such a broader basis, the landscape gardener and floral artist will find a field to execute works of art which are beyond the scope of the ordinary business; such a show would attract the public and stimulate interest in horticulture; at the same time it would help to elevate our profession socially. Our shows would not be behind the up-to-date flower-store decorations and perhaps be successful financially again, as they were years ago when they were something new.

T. E.

Hamilton, Ohio.

I find that the supply of chrysanthemums this year has been about the same as last year, and the sales have averaged as good as those in 1899. With me, first-class flowers brought $3 per dozen, with a few dozens of Chadwick and Eclipse, 1898, bringing $4 and $5. Small flowers from pots and three to a plant ran from 50 cents to $1.50 per dozen. The early demand for small flowers was limited on account of outdoor stock, but that did not affect the better grades. I am not so much in favor of the very earliest. My experience has been that varieties like Robinson, etc., are early enough.

In pot plants, well-grown, six-inch stock sell well, and a fair supply of eight-inch and ten-inch pot plants can be handled at a fair price; six-inch bringing here 35 cents each; eight-inch, 50 cents to 75 cents; ten-inch, from $1 to $2 each.

I grow a very limited variety, and will name them here in succession of merit. Fred Walz, pink; Ivory, white; L. Canning, white; Georgiana Pitcher, A. H. Fewkes, W. H. Lincoln, Bonnaffon, yellow; Casco, claret, and Louis Boehmer, magenta. There are other varieties which can be used, but I hold close to the foregoing kinds. The most of the six-inch plants I sell for All Soul's Day; these must be fairly early, but a good many of the ones mentioned come early enough. All of the varieties I use for the larger sizes, and find, for ten-inch, none are better than Fred Walz, Ivory and Casco.

Now as to cut flowers I find the best sellers are in white, Mrs. Robinson, Adula, Mrs. F. A. Constable, White Swan and Wm. H. Chadwick; for smaller flowers the best paying ones are Ivory, Robinson, Adula and Chadwick, and, if well done, Mrs. Jerome Jones will yet remain in this list of exclusives; but I think Chadwick pays me better.

In yellows I start with R. Hooper Pearsen, Georgiana Pitcher, Golden Wedding and Eclipse, 1898, as well as the early Mrs. O. P. Bassett. All of these do well in their season.

For pink, I have Adele for first, closely followed by John K. Shaw, Viviand-Morel, Mme. Felix Perrin, Mrs. S. Murdock and Xeno. The best of them are Shaw, Murdock and Xeno, but all sell very well, except Perrin, which must be handled quick, when at its best. Of other colors I cannot say much; none of them is in a hurry to get away from me. I grow a few for variety of Mrs. Geo. West, Geo. W. Childs, H. J. Jones; a few bronze, such as Colonel Smith, Marguerite Joffords, and a good supply of Henry Nanz, the yellow bronze sport of Mrs. Jerome Jones.

I grow a good many more; among them Bonnaffon, Lincoln, Walter Molatsch, Mrs. H. Weeks, Evangeline, Queen of Plumes and others which seem to sell in certain localities; but I simply speak of my best sellers.

Of the new varieties of last spring, I have tried Water Molatsch, yellow, which has not done much for me; R. Hooper Pearson, rather a fine color; Superba, a clean rose lavender pink, rather a nice color, but a little insufficient in foliage. White Bonnaffon did not grow with me worth a cent; Pluma has excellent points except color, which is weak and rather easy touched by dampness. H. J. Jones is high in color, red, but that is all. I believe Goldmine can do good work, though the petals are not heavy enough to suit me; but it is worth another trial. Colonel Appleton I did not try. I neglected to order it in time.

Of the new seedlings I have seen very few, and those I did see did not impress me much. I think it was a little bit of an off year.

The shows have been very limited in number, except club shows, in these parts, and they did not bring out very much competition.

The show in Chicago I did not see; neither did I make a display there, being one of those who promised to do so and did not keep my promise. I will say that if the gentlemen in Chicago get promises for a liberal display, they ought not to cut their premium list in two after they obtain these promises. I believe that if a first-class show is desired, we ought to be willing to give first-class premiums and plenty of them, so that a man can make his expenses. The fact is, the glory in Chicago don't count for much in Hamilton, financially, and that, finally, is the main point.



Exhibit of James Wolfe, Waco, Texas, at Show of Texas State Floral Society.

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Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Chicago Dec. 5, '00	St. Louis Dec. 3, '00	Cincinnati Dec. 4, '00	Milwaukee Dec. 3, '00	Pittsburg Dec. 3, '00
Roses	A. Beauty, fancy—special	40.00 to 45.00	30.00 to 40.00	25.00 to 35.00	25.00 to 35.00	35.00 to 50.00
	" extra	30.00 to 35.00	20.00 to 25.00	20.00 to 25.00	18.00 to 20.00	20.00 to 30.00
	" No. 1	10.00 to 15.00	10.00 to 15.00	15.00 to 20.00	10.00 to 15.00	10.00 to 15.00
	" Culls & ordinary	5.00 to 8.00	4.00 to 8.0	5.00 to 8.00	4.00 to 8.00	.... to ....
	Bride, Maid, fancy-spec'l	6.00 to 7.00	.... to 8.00	.... to 6.00	.... to 6.00	8.00 to 10.00
	" extra	4.00 to 5.00	6.00 to 7.00	.... to 5.00	.... to 4.00	6.00 to 8.00
	" No. 1	2.00 to 3.00	.... to 5.00	.... to 4.00	.... to 3.00	5.00 to 6.00
	" No. 2	.... to 1.00	3.00 to 4.00	.... to 2.00	.... to 2.00	2.00 to 3.00
	K. A. Victoria	4.00 to 7.00	3.00 to 6.00	.... to	4.00 to 6.00	4.00 to 10.00
	Liberty	6.00 to 10.00	.... to	.... to	4.00 to 8.00	4.00 to 12.00
	Meteor	3.00 to 6.00	3.00 to 6.00	2.00 to 6.00	4.00 to 6.00	3.00 to 10.00
	Perle	3.00 to 5.00	3.00 to 5.00	2.00 to 4.00	3.00 to 5.00	3.00 to 6.00
	Orchids—Cattleyas	.... to	.... to	.... to	.... to	.... to ....
	Cypripediums	.... to 15.00	.... to	.... to	.... to	.... to ....
Carnations	Standard Varieties: Inf'r grades, all colors	1.00 to 1.25	to 1.00	.... to	.... to 1.50	.... to ....
	Standard Varieties: White	1.25 to 1.50	1.50 to 2.00	.... to 2.00	.... to 1.50	1.50 to 2.00
	Standard Varieties: Pink	1.50 to 2.00	1.50 to 2.00	.... to 2.00	.... to 1.50	1.50 to 2.00
	Standard Varieties: Red	1.50 to 2.00	1.50 to 2.00	.... to 2.00	.... to 1.50	1.50 to 2.00
	Standard Varieties: Yel. & Var.	1.50 to 2.00	1.50 to 2.00	.... to 2.00	.... to 1.50	1.50 to 2.00
	"Fancy"—White	2.00 to 3.00	2.50 to 3.00	.... to 3.00	2.00 to 4.00	2.50 to 3.00
	("The highest grades of standard var)—Pink	2.00 to 4.00	2.50 to 3.00	.... to 3.00	2.00 to 4.00	2.50 to 3.00
	("The highest grades of standard var)—Red	2.00 to 4.00	2.50 to 3.00	.... to 3.00	2.00 to 4.00	2.50 to 3.00
	("The highest grades of standard var)—Yel. & Var.	2.00 to 4.00	2.50 to 3.00	.... to 3.00	2.00 to 4.00	2.50 to 3.00
	Novelties	.... to	.... to	.... to	2.00 to 4.00	.... to ....
	Adiantum	.75 to 1.00	.... to 1.00	.... to 1.00	.... to .75	.75 to 1.00
	Asparagus	50.00 to 60.00	.... to	.... to	.... to	25.00 to 75.00
	Callas	10.00 to 12.00	.... to	.... to 10.00	.... to 12.50	.... to ....
	Chrysanthemums	5.00 to 10.00	5.00 to 8.00	5.00 to 8.00	5.00 to 10.00	10.00 to 15.00
	" Fancy	12.00 to 25.00	15.00 to 20.00	15.00 to 20.00	.... to	20.00 to 25.00
	Daisies	.75 to 1.00	.... to	.... to	.... to .75	.... to ....
	Lily of the Valley	4.00 to 5.00	4.00 to 5.00	.... to 4.00	.... to 5.00	2.00 to 5.00
	Mignonette—ordinary	2.00 to 6.00	.... to	.... to ..	.... to	2 00 to 4.00
	Narcissus	3.00 to 4.00	.... to 3.00	.... to 4.00	.... to	3.00 to 4.00
	Smilax	10.00 to 12.00	.... to 15.00	.... to 15.00	.... to 12.50	10.00 to 15.00
	Violets—ordinary	.... to .75	.60 to .75	.... to .75	.... to 1.00	.50 to 1.00
	Violets—fancy	1.00 to 1.50	.... to 1.00	.... to 1.00	1.50 to 2.00	.... to 1.50

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For myself I have given my people here notice for the last three years, through the daily papers, that I will have a free show all through the season, and that every one is welcome, and the plan works well with me. I get plenty of visitors and through them make good sales.

As far as the classification is concerned, I will say that in my opinion it is a very important question. At the present time there are no proper lines drawn, and it is nothing but a mix up. Why does not the Chrysanthemum Society of America take up the matter and appoint a committee to revise the different classes on strictly comprehensible lines? Have we not in that society men fully competent to do this work? Men like G. P. Rawson, Elmer D. Smith, E. G. Hill, John May and others.

Gentlemen, it is a knotty affair, I admit; but it would make your name shine out with renewed lustre for all time.

Before closing I will add that there is plenty of room for growing good flowers at fair prices, and there is plenty of room to improve on the varieties we have. We may increase the size yet, if we want to, but I think color is at present the main point to work for, anyway, outside of yellow and white; and a far finer finish is in sight for all colors. I really think that we ought to be able to produce flowers of twelve inches in diameter and twelve inches deep; and, as far as color is concerned, can we not get as high as we are in carnations, if we try? All we require is the will; nature will do the rest, if we work her in the right direction. If we do not accomplish it all at once there are generations to come who can take up the work where we leave off.

THEO. BOCK.

Newport, R. I.

Regarding the chrysanthemum season in Newport, as far as I can learn the demand for cut flowers was fully equal to past years with no change in prices. The early varieties sold best; among these were Independence, Mrs. H. Robinson, J. E. Lager and Marion Henderson, followed later by Mrs. Weeks, Peter Kay, Major Bonnaffon and Vivand-Morel; and still later by Mrs. Jerome Jones, Eugene Dailledouze and Maud Dean. The whites and yellows were most in demand, pink coming next, and only a few calls for red; John Shrimpton being the variety most commonly grown of the latter color.

Minerva, which has been quite commonly grown as a yellow, is being given up on account of its poor shipping qualities; on the other hand, L. Canning and Joseph H. White in white, although not up to the present standard in size, are still grown for their good shipping and keeping qualities.

The exhibition held by the Horticultural Society was as popular as ever, yet the stormy weather somewhat affected the attendance. The membership of the society continues to increase, being drawn chiefly from the ranks of those not directly interested in the trade.

As regards cut flowers, I would name as best twelve: White, Eureka, Mrs. Weeks, Jerome Jones, Frank Hardy; yellow, Colonel Appleton, Peter Kay, Golden Wedding, Pennsylvania, Major Bonnaffon; pink, Viviand-Morel, Maud Dean; red, John Shrimpton.

Had a longer list been called for some of the following would have been named: Rustique, Inter-Ocean, Charles Davis, W. H. Chadwick, Kate Broomhead, Mrs. Trenor L. Park, Mrs. George West, Australie, Western King, M. Jeffords, Mrs. Carrington, Oakland, Shenandoah.

Best vase of yellow, Colonel Appleton; white, Eureka; pink, Viviand-Morel; red, John Shrimpton; bronze, Rustique.

I don't think that there is much chance of pompons becoming popular here for some time to come—the rage is for something big; and yet a plant of the Japanese anemone flowered variety, Garza, was much admired while the show was in progress.

The chrysanthemum rust, which made its appearance in many places here last season, does not appear to have made much headway. One grower has found that by carefully cutting away all old growths after the plants are through blooming, and using Bordeaux mixture liberally, that the young shoots then rooted have been perfectly clear of the disease; but that the same stock plants, when propagated by division, have, upon the approach of warm weather, invariably shown the disease, necessitating the destruction of the lot.

MAC.



New Chrysanthemum, Mrs. W. B. Chamberlain.



New Pompon Chrysanthemums. Grown by John N. May, Summit, N. J. (See Descriptive Text).

Toronto.

The chrysanthemum has been as popular as ever here, so far as I am able to judge. Several of the growers say the flowers have not sold so freely as formerly, but a close inquiry proves that there were considerably more grown this year than ever before; and as the great bulk was sold, and none of the retailers will own to having thrown many away, also that prices were as good as in previous years, I think the chrysanthemum has quite held its own.

The earliest variety seen here was, I think, Marquis de Montmort, which was offered very early in October; followed by Marion Henderson, Yellow Queen, and Bergmann. All of these early varieties sold well at good prices. After Bergmann came many sorts, and prices for a time were low; but all through the season good specimen blooms brought fairly remunerative figures. An immense quantity of Ivory, both pink and white, was offered, but good, well-finished flowers generally sold well. Mid-season varieties that appeared to find most favor were Mrs. Jerome Jones, Mrs. Weeks, Major Bonnaffon, Modesto, Mrs. Perrin, and Viviand-Morel. The later varieties were Ladysmith, Golden Wedding, and Toronto. Miller & Sons' fine new sort, Timothy Eaton, has been sold by the departmental store after whose proprietor the flower is named. The blooms were quite an attraction. This is a fine bold flower that lasts well.

George Hollis, to whose patient work we owe this and several other fine varieties, exhibited another, on the same style, at the last meeting of the Gardeners and Florists' Association. It was awarded the society's certificate of merit, and well deserved it. The stem and foliage are all that could be desired, and the flower is as good and as big as the biggest.

But few pompons were grown here, and those offered were small plants and not of the best varieties. I believe that a few good, well-grown plants of choice varieties of pompons would sell well here, but my opinion is not shared by many of our retailers.

Plants were not much in demand. Good cut flowers would always bring the grower more money than would the blooms on the plants.

T. M.

St. Paul.

The chrysanthemum has been rather disappointing to the growers in this vicinity this season. While the supply has been fully equal to that of former years, the quality has not been as good, and this has somewhat curtailed the demand.

Fitzwygram was the first to bloom, but on account of its poor flowers is hardly worth considering. Mme. Bergmann came next with blooms fully equal to those of former years, and entitling it to be classed as a first-class, No. 1, early sort. Yellow Queen was very disappointing and not worthy of further trial. Yellow Monarch was of medium quality, but hardly up to the standard of former years.

The most disappointing variety of all this year is Mrs. H. Robinson, which had such abnormally weak necks that not one flower in 20 stood erect, while the petals dropped very soon after cutting. Mrs. H. Weeks presented a nicely formed large bloom, but the petals fell as soon as the stem was stirred. Western King was also very disappointing, as it fell to pieces very quickly on being handled. Australian Gold, while somewhat better than the last named, was second class. I almost forgot to mention Maud Dean, that splendid standard pink which seems to thrive and is first class in all places and at all times, under adverse circumstances and in well-favored conditions. This year has been no exception, and this variety, as usual, has been first class.

Ivory, the old favorite, was as good as usual, flower of good substance and of fine lasting quality.

If there is one chrysanthemum which stands out preëminently the best, and which can always be relied upon for good blooms, that one is Major Bonnaffon. It is and always has been in this section of perfect form, large size, majestic appearance, a peer among its fellows. If you can only grow one variety, that one should be Bonnaffon.

Golden Wedding has been very fine; flowers of immense size and good substance, stems long and very firm and stiff. Pennsylvania has exhibited all the fine qualities promised at its introduction. Philadelphia has been perfect. W.

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" Perles	"	3 00 to 4 00
" our selection	"	3 00 to 5 00
" Good seconds	"	3 00 to 4 00
Carnations, extra select	"	2 00 to 3 00
" Good quality	"	1 50 to 2 00
" Our selection	"	1 00 to 1 50
Chrysanthemums, extra select	"	20 00 to 25 00
" good quality	"	10 00 to 15 00
" short stems	"	6 00 to 8 00
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" single	"	50 to 1 00
Valley, extra select	"	4 00 to 5 00
Stevia	"	1 50
Bouvardia	"	2 00 to 3 00
Mignonette	"	3 00 to 5 00
Marguerites	"	60 to 1 00
Paper Whites	"	3 00
Romans	"	3 00 to 4 00

DECORATIVE STOCK.

Ferns, Adiantum	per 100,	$0 50 to $1 00
" common fancy	"	20
" "	per 1000,	1 50
Ivy Leaves, fancy	per 100, 50c.	" 4 00
Galax Leaves, fancy	" 15c.	" 1 25
Leucothoe Sprays	" 75c.	" 6 00
Smilax, extra select	per doz.,	$2 00 to 3 00
" choice ordinary	per 100,	12 50 to 15 00
Asparagus Plumosus, select strings	per doz.,	6 00 to 8 00

CUT FLOWER PRICES—Continued.

Asparagus Plumosus, sprays	per bunch,	$0 50 to $0 75
" Sprengerii	per doz. sprays,	25 to 75
Wild Smilax, No. 1 contains 15 lbs.	per case,	2 00
" No. 2 " 20 lbs.	"	2 50
" No. 3 " 25 lbs.	"	3 00
" No. 4 " 35 lbs.	"	4 00
" No. 5 " 40 lbs.	"	5 00
" No. 6 " 50 lbs.	"	6 00

Prices subject to change without notice.

POINSETTIAS FOR CHRISTMAS.

Extra select, longest stems, largest flowers	per doz.,	$4 00 to $5 00
Extra select, fancy stock		3 00 to 3 50
Good grade		2 00 to 2 50
Ordinary and smaller flowers		1 00 to 1 50
Extra select, fancy stock	per 100,	25 00

Order now and secure finest stock at right prices. You cannot afford to be without Poinsettias for Christmas trade.

XMAS GOODS—All Kinds.

We are booking orders on all the following goods for immediate and later delivery. We guarantee our prices as low as any reputable house:

Select Delaware Holly	per case,	$4 50
" " "	5 cases,	20 00
Bouquet Green, scarce. Write or telegraph for prices.		
Bouquet Green Wreathing, per 100 yds.,	$4 00 to	5 00

Holly Wreaths, Green Wreaths, Mistletoe, Wild Smilax, Xmas Trees, Needle Pines.

Cape Flowers, white	per lb.,	1 00
" " all colors	"	1 50
Immortelles, yellow	per doz. bunches,	2 25
" all other colors	" "	2 50

Place orders early with us, and receive the best stock in the market.

SUPPLIES, Etc., Etc.

Sphagnum, burlap bales, each, $1; 6 for		$5 00
" wire pressed, " 75c.; 6 for		4 00
Tobacco Stems, fresh	200 lbs. for	1 50
Preserved Cycas Leaves, assorted, 24 inches and up	per 100,	15 00
Cape Flowers, white	per lb.,	1 00
" " colored	"	1 50
Tissue Paper, manilla	per ream,	50
" " white	"	1 00
Wax Paper, manilla	"	1 40
" " white	"	2 00
Doves, first quality, each $1; per doz.,		10 00
" second " " 85c.;	"	9 00
Rubber Aprons	each, $1.50; "	15 00

Full stock of **all Supplies,** including Ribbons, Tin Foil, Toothpicks, Baskets, Wheat Sheaves, Bouquet Pins, Immortelles, Flower Vases, Jardinieres, Artificial Palms, etc.

SEND FOR COMPLETE CATALOGUE.

FLORISTS' RIBBONS

FOR CHRISTMAS TRADE.

Some of the colors we supply are: American Beauty, Bridesmaid, Meteor, Holly-Berry, Lavender, White, Cream, Purple, Green, Yellow, Orange, Lilac, Pink, Violet, Black, and all the different shades of bedding colors. Send us your order now. You cannot duplicate this quality of Ribbons for less than 20% higher prices.

No. 2	No. 5	No. 7	No. 9	No. 12	No. 16	No. 22	No. 30	No. 40	No. 60
25c	45c	60c	75c	90c	$1.10	$1.30	$1.65	$1.75	$2.00

The prices quoted are for ten-yard bolts.

McKELLAR & WINTERSON, 45-47-49 Wabash Ave., Chicago, Ill.

Mention the Florists' Exchange when writing.

PLANT CULTURE

A two hundred page book, of inestimable value to all, for only $1.00.

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P. O. Box 1697, New York.

Delaware HOLLY

Of the best grade, from the swamps, with bright green foliage and well berried. Orders will now be received for shipments, which will go forward freshly packed, at the proper time. For prices and terms address

ALEX. PULLEN, Milford Nurseries, **Milford, Del.**

Holly AND Decorative Greens

By ordering your Holly of us you save $3.00 on every case as we do our own packing. Come direct from woods and prices the lowest. **Red Seal Holly,** dark green leaves, well berried, $4.75 case. **Laurel Roping** heavy tied, 3 cts. yard. **Holly Wreaths,** on wire, $5.00 a 100. Write for special prices on large orders. Terms cash.

A. K SAVACOOL, Lewes, Del.

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Stop Walking the Floor

You won't be disappointed if you place your orders for **SOUTHERN WILD SMILAX** with

Caldwell the Woodsman Co., Evergreen, Alabama,

or their Agents—L. J. Krebhover, New York; J. B. Deamud, Chicago; M. Bice & Co., Philadelphia; Vail Seed Co., Indianapolis. Our advice—wire your orders and go "sleep in peace." N. B.—We also sell some HOLLY.

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8,000,000 HARDY CUT FERNS!

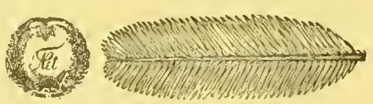


Now at 75c per 1000. Fancy and Dagger. CHRISTMAS TREES by the carload or in small lots. SPHAGNUM MOSS, 50 cts. per bbl. BOUQUET GREEN, $5 per 100. LAUREL ROPING, 4c. per yard. Cash with all orders. Orders by mail or dispatch promptly attended to.

THOMAS COLLINS, Hinsdale, Mass.

Mention the Florists' Exchange when writing.

POINTS ARE PRICES — QUALITY

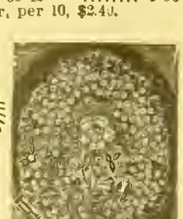


SAGO LEAVES.

	Per 10		Per 15
6–12 inch	$0 40	24–30 inch	$0 80
12–18 "	55	30–36 "	1 20
18–24 "	70	36–42 "	1 60

42 inch and over, per 10, $2.40.





No. 7200 PALMS.

	Lvs.	Hgt.	Doz.
7204	3	24in.	$2.10
7204a	3	36 "	3.60
7200	5	36 "	6.40
7201	6	40 "	7.20
7201a	10	40 "	ea 1.80

Metal Wreaths, From 25 cents up.

PALM TREES.

	Lvs.	Hgt.	Ea.		
7206	9	7 ft.	$3.50	Natural Palm Leaves,	Prepared 100
7208	16	9 "	4.50	Medium size	$6.00
7209	24	10 "	6.00	Large size	10.00

FRANK NETSCHERT,

CHICAGO:	NEW YORK:
187 S. Clark Street.	7 Barclay Street

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ABOUT HABITS.

The advertising habit is the best habit a business man can have.—*Printers' Ink.*

IF YOU ARE SHORT OF

Any Sort of Decorative Evergreens

For the Holidays, SEND TO US.

We have plenty of everything on hand, and can fill your order at short notice, but the quicker the better.

DUNNE & CO., 54 West 30th Street, NEW YORK

Telephone, 1700 Madison Square.

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WHERE TO BUY HOLLY

Place your order with PULLEN. Place it now for the very best grade of bright green foliage, well berried, fresh from the swamps.

Holly Wreaths. Only first-class materials used—fresh green leaves plentifully clustered with berries. In ordering be sure and state sizes wanted and number of berry clusters desired on each. Goods shipped at proper time or on your order, carefully packed. Prices are most reasonably low.

Nursery Stock. All varieties of fruit—Peach, Pear, Apple, Plum, Cherry, Apricot, Quince—every one warranted true to name. Have an extra fine block of Japanese Plum.

Plants. Can furnish anything you wish in plants.

☞ Goods are the best. Prices are low.

Write for Particulars. **W. W. PULLEN, Nurseryman and Fruit Grower, MILFORD, Del.**

Mention the Florists' Exchange when writing.

H. Lincoln has produced perfect flowers of its type. It would be hard to improve on this variety. For a red, John Shrimpton has been first class in every particular. In the less common sorts, Yanoma and Kate Leach have both been disappointing. Viviand-Morel has fully maintained its reputation for being a first-class pink. Mrs. Jerome Jones has done well, and is, commercially speaking, a most profitable sort.

To briefly name the best sellers in the order of their blooming I would submit the following list: Mme. Bergmann, Mand Dean, Ivory, Major Bonnaffon, Golden Wedding, Viviand-Morel, Pennsylvania and Philadelphia.

There have been no exhibitions held here and the chrysanthemum show question seems with us as dead as in the wilds of Africa. At the same time, the buying public appreciate a good thing and know it when they see it, and there is an ever-increasing demand for good chrysanthemums. Prices have not averaged as high as in former years, though first-class stock has sold at nearly the same rates.

To the long-continued warm weather the growers attribute the poorer quality of stock. The plants were overforced and produced soft, sappy stems, ripening up late, and much of the substance which should have gone to the blossom went to the stalk instead. The cooler weather had a good effect on the later varieties, as nearly all of them were of good form and substance. VERITAS.

Louisville, Ky.

The supply of chrysanthemums during the past season has equalled all previous years, and the quality has been as good. The demand has not been as great as in previous years, being more for small and medium-sized flowers than for the extra large blossoms.

At the individual shows given by several of the local florists the attendance was not as good as in previous years, but several counter attractions at the same time may have been the cause of this.

Regarding the future of pompon varieties I cannot speak, as not enough have been shown to give a proper verdict. The present season has demonstrated that the future demand for chrysanthemums will not be for the extra large blossom, but for well-shaped, good-colored medium-sized flowers. J. S.

Seedlings Certificated by C. S. A.

IOLANTHA, a Japanese incurved pink, exhibited by Nathan Smith & Son, Adrian, Mich., October 20. Its extreme earliness was taken into consideration by the Boston committee in granting the certificate. Scored 85 points at Boston and Cincinnati.

PEERLESS, a white Japanese variety, exhibited by George Hollis, South Weymouth, Mass., October 27. Scored 85 points at Boston.

OMEGA, a yellow reflexed Japanese variety, exhibited by Nathan Smith & Son, October 27. Scored 87 points at Chicago.

JOSEPH W. COOK, exhibited by John Cook, Baltimore, a blush white Japanese reflexed variety, November 3. Scored 89 points at Philadelphia.

D. JOSEPHINE, a bright yellow incurved Japanese, exhibited November 3 by William Kleinheinz, gardener to P. A. B. Widener, Esq., Ogontz, Pa. Scored 89 points at Philadelphia.

BRUTUS, Japanese reflexed variety, terra cotta red, exhibited by John N. May, Summit, N. J. Scored 87 points at New York November 3.

YANARIVA, a flesh pink Japanese variety, exhibited by John N. May November 10. Scored 86 points at Cincinnati, 93 points at Boston, 86 points at Philadelphia.

NELLIE, a creamy white Japanese incurved, exhibited by H. W. Rieman, Indianapolis, November 10. Scored 87 points at Cincinnati.

MRS. ELMER D. SMITH, exhibited by Nathan Smith & Son, November 10, a yellow Japanese incurved variety. Scored 93 points at Chicago; exhibited on November 17, the same variety scored 90 points at Philadelphia; 94 points at Boston; 93 points at Cincinnati.

No. 19, a bright yellow Japanese incurved variety, exhibited by H. A. Molatsch, Brooklyn, N. Y., November 17. Scored 87 points at New York.

MALCOLM LAMONT, crimson, reflexed, exhibited by E. G. Hill & Co., Richmond, Ind., November 17. Scored 85 points at New York; 90 points at Philadelphia; 85 points at Cincinnati.

MRS. W. B. CHAMBERLAIN, light pink reflexed Japanese, exhibited by John N. May November 17. Scored 85 points at New York; 88 points at Boston.

TIMOTHY EATON, white, Japanese incurved, exhibited by Miller & Sons, Bracondale, Ont., November 17. Scored 92 points at Philadelphia; won C. S. A. trophy at Chicago flower show.

MARY HILL, a pink incurved variety; exhibited by E. G. Hill & Co., November 17. Scored 89 points at Cincinnati.

CHESTNUT HILL, a yellow Japanese incurved, exhibited by John N. May November 24. Scored 85 points at Philadelphia; 88 points at Boston; 86 points at Cincinnati; 88 points at Chicago.

All of the foregoing varieties have been certificated under the Society's commercial scale.

The unanimity of the scoring by the various committees in cases where certificates have been awarded at different points, is most remarkable, testifying to the practicability of the scale employed, and also to the ability of the judges in the matter of its interpretation, as well as to the conscientious work performed. In only one case does there seem to have been any great diversity of opinion, and that shows a difference of seven points, all the other decisions being astonishingly close.

LADY ROBERTS.—This variety is the result of a cross between Minnie Wanamaker and Mrs. John H. Starin, and was raised by a Toronto grower. It seems to be almost identical with the variety Timothy Eaton; in fact, several large Canadian growers, who have seen both varieties growing, and have been able to watch them, consider Lady Roberts superior to the latter variety. Lady Roberts was recently exhibited before the Gardeners and Florists' Association of Toronto, and was certificated by that body. It is likely to prove a valuable acquisition.

The stock has been purchased by the F. R. Pierson Co., of Tarrytown, N. Y., who, as announced last week, have also acquired a large block of the stock of Timothy Eaton.



New Chrysanthemum, Zampa.



New Chrysanthemum, Mrs Elmer D. Smith.

New Chrysanthemums.

CHESTNUT HILL, clear bright yellow, of excellent form and substance. A Thanksgiving variety which can be shipped any reasonable distance with absolute certainty of reaching its destination in A1 condition. Flat petals reflex and incurved. A seedling from W. H. Lincoln, with equal constitution, but better form; 3 feet; terminal bud. Season November 25 to December 10. Certificated in Philadelphia in 1899; first prize in Philadelphia for best six yellow seedling 1900; and C. S. A. certificates at Boston, Chicago, Cincinnati and Philadelphia.

ZAMPA, old gold reverse, bright strawberry red; lower petals tubular, balance flat reflex, but full to center. An acquisition for exhibition purposes, with extra good stem and foliage. Average height, 3 feet. Terminal buds; season 5th to 15th November. C. S. A. certificate.

MRS. W. B. CHAMBERLAIN, a bold, handsome pink, with long ray petals drooping, the balance reflex and incurved, making it a very artistic flower, 4½ feet, good stem and foliage; terminal. Season 10th to 20th of November.

COLLECTION OF POMPONS.

(1) Lula, a lovely pure white, globular form.

(2) Gallia, a bold, handsome flower, deep pink; clean, healthy grower.

(3) Quinola, exhibited as No. 80, deep orange yellow; a bold, handsome flower, and one of the very best of this class.

(4) Miss Ada Williams, blush, shaded white, slightly laced with violet; a lovely thing; good size, spherical form.

(5) Klondike, the most brilliant yellow of the whole family; medium size and an extra fine variety in every way.

(6) Aileen, deep lilac pink, close, compact form, of medium size; free of ruts.

These were grown by John N. May, of Summit, N. J., to whom we are indebted for the photographs and descriptions.

Springfield, Mass.

The letter of Edgar A. Higgins about sweet peas at the Pan-American exhibition at Buffalo next year, printed in last week's issue, meets with the approval of some of the sweet pea growers in this locality. Buffalo is 500 miles from this place, but cannot the plan be carried out? Let us have the views of others interested.

The annual meeting of the Hampden County Horticultural Society comes December 12. G.

Latest Facts About New Carnations

Read by Albert M. Herr, Secretary of the American Carnation Society, before the Philadelphia Florists' Club, Dec. 4, 1900.

December 1, with many growers, is the beginning of the carnation season, and even where the grower is willing to have his season begin September 1, he will find many varieties refusing to do work at that date, not getting down to



New Chrysanthemum Omega.

actual business before now. Very often these lagging varieties are those of the preceding season's introduction. This fact makes it hard to give an intelligent opinion as to the merits of the "newer carnations" to-night, and is my apology for the shortcomings of this paper.

The introduction of carnation novelties has been so fast and furious that all of our varieties are "new carnations." We do not learn how to handle a variety, so as to get the best results



Chrysanthemum Mrs. Ritson.
White sport from Viviand-Morel.

from it, before another of the same color is introduced, and has so many points of superiority over the old one that the latter is discarded for the new, and another season or two of experimental growing started. It is this everlasting change that is responsible for a goodly portion of our failures.

Another source of failure with respect to novelties the season after their introduction is the pernicious habit of holding the delivery of cuttings until a late date in the winter or spring, instead of taking what good cuttings the plants produce right along and filling orders when stock is wanted. By holding all orders until a late date there are a number of deteriorating influences that are bound to have a decided effect on a portion of the stock sent out. If there is any demand for the variety worth talking about, orders will have to be filled, either with cuttings that have been rooted for some time and held over until the date named for delivery, or they will be filled from stock propagated later even than the already late date named. Another evil of this system, and the greatest of all, is the necessity of having an immense supply of cuttings for this special date, and if there is not a good stock of them rooted early there is danger of taking cuttings that should not be used, and taking so many from the plants at one time that these are weakened for subsequent propagating purposes. Carnations are not boxes of hardware, that can be manufactured and stored away for future delivery. The cuttings should be taken at that stage of their growth when they will make the best plants for next Winter, and the buyer should have them direct from the cutting bench as soon as they are rooted, if he so desires. His method of handling them after they are rooted and the introducer's may be entirely opposite, and it is more likely that he will know how to get the best results in his soil than the introducer of the variety. When this is more fully recognized there will be fewer failures with novelties.

As to last season's introductions, in order to do no one an injustice, I have secured opinions from a few different localities, and will give them as received, omitting only the name of the writer.

Starting with Boston, a letter dated November 22, says: "So far Ethel Crocker and Genevieve Lord have proved the best. The Marquis, Lippincott and Peru are not very promising, so far. Olympia, up to date, is not very free."

From New York I have two letters, dated November 15. One states: "Up to date the only sort satisfactory is Genevieve Lord. Crocker is a great disappointment, and so are all the others we have tried." The other letter says: "Lawson is, to date, the best of any of the novelties; Lord is also showing up well. Early in the season Crocker made a magnificent showing of growth and plant and set of buds; up to three weeks ago it was the finest bench of carnations on the place, with the exception of an unintroduced novelty It then commenced to stem rot, and over half the plants are gone. Those surviving are good plants; and what few flowers we get are as fine as one could wish. The Marquis made good growth in the field, but lifted poorly. It has proved late, decidedly short stemmed and, as far as we can judge, will be at its best during February and March."

From Chicago, November 14, comes the following: "We place Lawson at the head of the list. Olympia is very satisfactory, but we are undecided as as to whether it will displace Bradt. The Marquis has not, as yet, done well; it is late in flowering, but from present indications it will give a lot of blooms from Christmas on."

Maryland, November 17, gives the following: "Genevieve Lord is leading them all. Lawson is next, although with its short stems it has as yet brought little money. The Marquis follows with fine growth, but with flowers very scarce and few expected before Christmas. Crocker would be ahead of the Marquis were all the blooms good; a great many are streaked and of bad color. We believe this will disappear later. The variety blooms early and is comparatively free. Estelle. Olympia, Riley, Morning Glory look fairly well, but we see nothing in their favor worthy of special mention."

Pittsburg, November 15, says: "Bertram Lippincott is very free, and a healthy grower, splendid. Olympia is not doing much yet. Lawson is picking up nicely. Crocker is doing well; it is a free grower. The Marquis is healthy, a free bloomer and a good grower."

From Indiana, November 19 (not Hill), comes the following: "Ethel Crocker leads in pink, with Lord a second. Lawson and The Marquis show great promise for later in the season. Olympia did not make heavy growth in the field, but is doing nicely in the house. Peru is now coming in and looks like a continuous bloomer."

California (not Sievers) states: "Mrs. Lawson is O. K., with the exception of short stems for such large flowers. Estelle is a very good scarlet; will grow plenty of it next year. Olympia very good, but rather single. Crocker is best of all for Winter. Lord could be larger. Peru is lacking in form and does not keep."



Vase of Cut Blooms Chrysanthemums.
Exhibited by Hugh Graham, at Phila. Show.

My own observation of novelties is rather limited. What I have seen of Lawson would incline me to the belief that it will be a good carnation handled differently from what it has been this season. There is something lacking, and I think it is knowledge as to its habits, a knowledge that will be attained this Winter, and will no doubt place the variety with the standard sorts. The Marquis is apparently a late bloomer, and therefore a great disappointment at this time; it is to be hoped that its behavior later will make up for this early disappointment. Crocker is with me, and, as far as I have been able to learn, with all of my customers a decided success. Without wishing to boast or detract from any other variety, I want to say that I have plants of Crocker that will make from the date of their planting in up to January 1 as many as eighteen flowers per plant by actual count, and that out of the thousands of flowers I have cut up to this time I have had practically none that could be called seconds, either from lack of color, size or form. The failures with this variety that have come to my notice are nearly all with growers who feed their carnations pretty heavily, and this Crocker will not stand. Overfeeding will make it grow too strong, and the flowers will come off color and often bursted, or of poor shape. This may not apply to every soil, but it certainly does to mine. To get results that will place Crocker on its true merits, the plants should be of a good size in the field by August 20, or even earlier, and then housed into fairly rich soil, giving them nothing excepting good treatment as to watering and temperature, with possibly a little lime or good bone added to the soil some time during the Winter, when flowers are at a low ebb, as this addition of extra fertilizer will affect the plants at once both as to the number of flowers produced and their quality. In a few weeks, however, the effect will be worn off sufficient to get them back to their natural conditions, and this one application should keep them going for the balance of the season.

Next to Crocker in earliness, and a little ahead of it in point of productive-



New Chrysanthemum Chestnut Hill.

ness, is Genevieve Lord. The flowers are not nearly so large as those of Crocker and a portion of them come off color, the same as the blooms of old Grace Wilder used to do; but this latter trait can, I think, be eliminated by selection. Olympia, with me and as far as I have seen it, is ahead of Bradt in point of productiveness, and will no doubt become a standard sort. Peru is, up to date, lacking in form, has some bacteria and lots of rust; but it is pure white, and very productive, so that it may prove better than it looks. Elm City, a white that few growers have tried, is a model in form, full of petals, flowers almost as large as those of Flora Hill, and has up to date produced more blooms per plant than any other variety, with no sign of cessation; so that I think it will prove a stayer.

There is an almost universal complaint of stem rot from many sections, and the novelties all seem to be affected with an undue proportion of it. This matter will be brought up at the next meeting of the American Carnation Society and fully discussed, in the hopes of getting some information. We Lancaster growers have practically no trouble in this direction. Whether this is owing to the pure moral and religious atmosphere of our county, or the fact that we nearly all plant into solid beds instead of benches, or is simply a case of good luck, I am unable to say.

There are a number of new candidates that will be bidding for favor this season, all of which will be forcibly brought to our notice at the coming show of the Carnation Society. The usual number of seedlings are being now tried for their second and third year, and those growers who are wise will endeavor to have some of the flowers in good shape for the show in Baltimore next February. Baltimore will be the Mecca for all carnation men then, and the citizens of that city are waiting for us with the wide-open arms of true Southern hospitality.

Before closing I want to say that it is not always wise to give up the old varieties for the new, until you are sure of the new being the best. I saw at Henry Rohrer's place, in Lancaster, the variety Lily Dean, that left nothing to be desired in the shape of a striped sort; White Cloud, that seemed to lack nothing of being the ideal white; Crane, that filled the bill entirely for a scarlet, and Triumph, that will net him more money per square foot than any of the new pinks. From what I understand Dailledouze Bros. are as well off, with several houses of Scott, as if each plant were a share of Standard Oil stock; all of which goes to show that there is quite as much in the grower as in the variety, and that no judgment should be passed on a novelty until it is properly grown; then if it falls short it can be truthfully condemned.

We carnation growers are usually too positive in our opinions. As the years progress we will some day look back to the beginning of the century, and wonder how we could have had any positiveness at all with the varieties and methods then in vogue.

Nephrolepis Wittboldii.

Our illustration shows a bench of stock plants of the new Chicago fern—Nephrolepis Wittboldii—quite a sight. This fern is absolutely distinct from the Boston fern, and unlike any other. It is increased almost as readily as the latter. Its fronds are far more majestic, so much so, that we will not be at all surprised to find the fern, one day, grown extensively for its fronds alone, for decorative purposes. Plenty of these fronds on the stock plants in the benches are from two feet to 30 inches in length, and nine inches wide in the center; stout enough to hold themselves fairly erect, with an easy, gentle curve. Another noticeable feature is that in the unfolding of each individual frond, it perfects itself to the very tip, which is a rare thing, with most of the nephrolepis.

The Wittbold Co. report that they are well satisfied with the sale of this fern, and will surely continue its propagation on a larger scale than ever. Ess.

Firms Who Are Building.

ST. PETER, MINN.—T. Kloss is building an extension to his greenhouse.

SOUTH HADLEY, MASS.—Joseph Beach is building an addition to his greenhouse.

Decorative Evergreens for Christmas.

And as then all the summer trees are seen,
So bright and green,
The holly leaves their fadeless hues display
Less bright than they;
But when the bare and wintry woods we see,
What then so cheerful as the holly tree?
SOUTHEY.

"Christmas comes but once a year, and when it comes it brings good cheer," none the less to the woodsman whose product has its only inning at this the Christmas tide. A "green" Christmas is not so profitable to the "green goods" man; though perchance he is more able to procure the long list of evergreens now in use. He is in the business to sell, however, and not to buy; he leaves this to practical and withal sentimental customers; for what is the custom of decorations, but that of practice and sentiment as in use at this time of the year! There is scarcely a business more susceptible to the elements than his. Snow is his worst enemy before he procures his stock, and his best friend afterward for what is more pleasing to the eye than a bit of green, a holly sprig, when snow is flying and the crisp snow-covered ground crackles under foot? It is like a beacon light to the mariner, and carries you back to old times and all that Christmas means; it knits you to the past and drives away your sophistries.

The custom of employing holly and other decorative evergreens at Christmas dates from earliest records and is of considerable antiquity; it has been regarded as a survival of the usages of the Roman Saturnalia, or the old Teutonic practice of embellishing the homes with evergreens as a refuge for the sylvan spirits from the Winter elements. At any rate, the custom has grown to enormous proportions and is steadily growing. It has practically become a business by itself—a source of revenue to the backwoodsmen, the railroads and so ad infinitum.

As New York leads in all things horticultural, so undoubtedly she leads in the quantity of decorative evergreens, encompassing every variety used, and being the nearest and largest port, is the biggest importer of mistletoe. One has only to "travel over the town" to gain an idea of the magnitude of this industry, which lasts scarcely a month, is here to-day and gone to-morrow. On West Street, one would imagine himself transferred to the woods and forests of Maine; on Washington Street, to the swamps of Virginia, Delaware and New Jersey, or to the orchards of Normandy and England. Yet, as in the course of events and business the natural trend is uptown.

Of all other evergreens, holly takes precedence. It is not many years since a few armfuls sufficed for the demand, most of the supply coming from Staten Island and southern Jersey. Now the Southern steamship docks and railroad freight depots are piled mountain high with the familiar 2 x 2 x 4 cases of holly from half a dozen States, including Delaware, Virginia, Maryland, and even Alabama.

It would not be well to go into statistics, as at best they are erroneous and misleading. A word to the packers and shippers, however. Good holly will always command a good price in New York; the poor stock usually finds its way to the dump pile. Two years ago more than 3,000 cases were left on the docks. One could get holly for paying the freight. Now the railroad companies force the consignor to pay freight in advance; hence less holly and better holly; so that last year the day before Christmas holly realized $6 per case, with just enough to go round at that. Of course this applies to holly shipped in on commission, and shipped to be sold at the market price controlled by supply and demand and the quality of the stock, which can readily be understood not of the best, as the "cream" is usually picked up by the big dealers, who either buy or guarantee a certain price, less charges.

That is one of the practical sides of the holly question. It may interest some to know that there are many popular superstitions connected with it. By some it is deemed unlucky to introduce holly to the house before Christmas eve. (Here, Thanksgiving practically opens the holly market, and it can be seen in all the florists' stores on that date.) It is also cherished by some after hanging in the sanctuary; and in Germany a well-berried piece hung in the doorway was considered a protection against thunder. Here, in "God's own country," it is an evidence of good cheer and good fellowship; and the humblest home will secure the smallest piece. Christmas without holly or mistletoe would be like Christmas without turkey.

In popularity, outside of its practicability, mistletoe might come first with some, at least a good second, with its ancient superstitions and customs. Botanists call it Viscum album. The American variety is well known, and comes chiefly from the Southern States, and, usually, packed in barrels, soap boxes, shoe boxes, and crates of assorted sizes, besides the imported stock from England and the orchards of Normandy. This latter is almost an unknown quantity; and the man who invents a way to get it here in perfect condition should be awarded the "Victoria Cross" or the "Cross of the Legion of Honor." Who has not heard of the song "Under the Mistletoe Bough," made immortal by Thomas Haynes Bayly, and of the story connected with it and attending legends? In ancient English history we read of the Druids cutting the mistletoe from the oak trees with a "golden hook," and in mythology of Balder, the Scandinavian Apollo, killed by an arrow made from mistletoe wood, given to the blind god Hoder by Loki, after which the sacred bough was placed under the care of Frigi, never again to be used as an instrument of evil. And so the mistletoe is consecrated to earth, the empire of Loki, and is suspended overhead, so that all who pass beneath should kiss, as an assurance that the bough is no longer an instrument of mischief; each berry represents a kiss, hence the demand for well-berried mistletoe being so persistent, yea, insatiable.

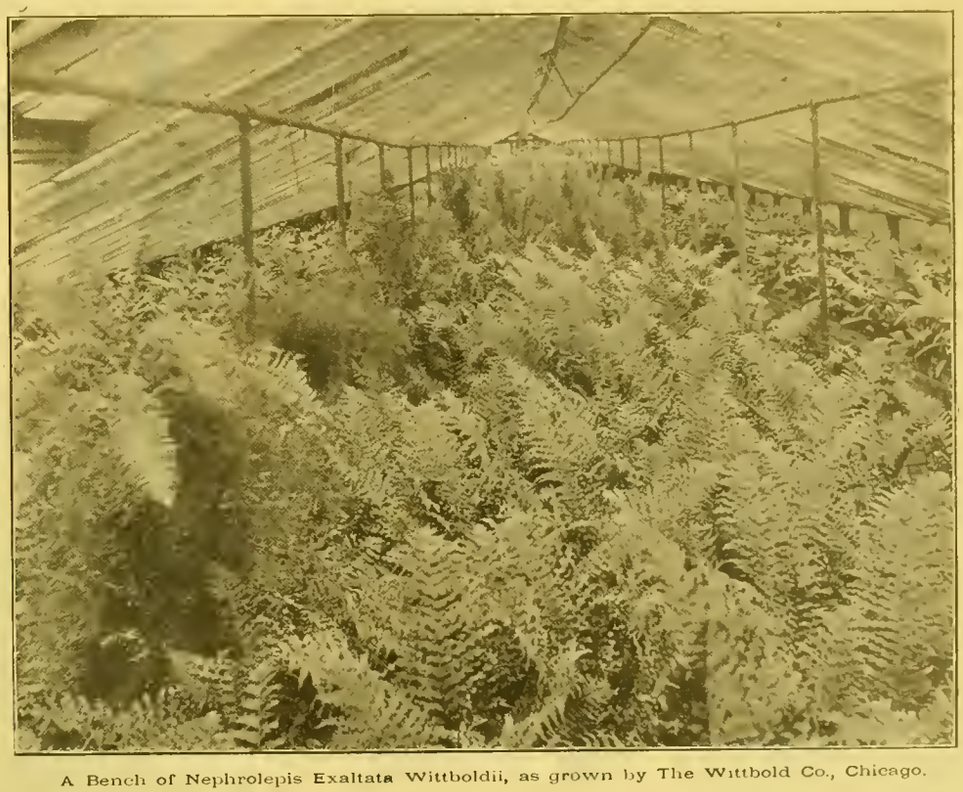
As to the many other kinds of evergreens and their uses, all are well known. Prince's pine, gathered by "Lo, the poor Indian," is also indigenous to many States; but it is apparent this year that the early crop of snow, where it doth grow, will make this pine the scarcest of "green goods" this season. For roping and wreaths Prince's pine is indispensable. Then there are hemlock and laurel, the "running" ground pine, each of which has its niche to fill.

And, thanks to "Caldwell, the woodsman," we have the Southern wild smilax, from Alabama, and the beautiful berried ilex; the former without a peer in its grace and fret-like appearance. From Florida we have palmetto leaves and crowns, needle pines and gray moss, sometimes called Spanish moss; pepper berries from California; rhododendron foliage from little Rhody (no pun intended); and Christmas trees from the Adirondacks and Maine.

There are other evergreens and other red-berried plants, but they are in too small quantities to mention.

From now on, to relieve us from our worries, we will, like Mohammed, have the mountain and the scent of the forest brought to our doors; and so, a merry and prosperous Christmas to all.

HARRY A. BUNYARD.



A Bench of Nephrolepis Exaltata Wittboldii, as grown by The Wittbold Co., Chicago.

FRANKLIN, N. H.—C. V. Kimball has leased the Franklin greenhouses of Kelly Brothers.

TOLEDO, O.—Chas. R. Rodey has embarked in the florist business at 1823 Adams Street.

WARREN, O.—Frank H. Adgate, for the past eight years in the employ of J. A. Fuller, has resigned to take a one-half interest in the business of J. H. Adgate the florist.

Cleveland, O.

Trade Notes.

An unausually large amount of decorative work is on hand; funeral orders come in freely, which, with a brisk movement in cut flowers, quite consume the greater part of the present offerings of the growers.

Carnations seem to be scarce and growers find no difficulty in placing their entire product; rates on the best grades reached as high as $2; $1.50 is the general price on ordinary, and inferior stock does not bring over $1 to $1.25 per 100. Roses show a slight advance in values and are not over-abundant, the dull weather of the past several days having retarded their development. Best stock that for a few weeks back has been quoted at $5 per 100 is now bringing $6; the more common grades remain the same as previously quoted. Violets are in short supply. J. M. Gasser Co. offer the best stock in these seen here this season, and the blooms are extra large and of fine color. On account of the extra size and general fine quality, $1.50 per 100 is asked. These retail at $3 and $4 per 100. Paper White narcissus and Romans are offered in small quantities, but no established price as yet on them. Wholesale flower dealers at late moment report trade good and a complete cleaning up of all cut-flower stock.

Notes.

Several very brilliant window decorations among retail stores deserve mention. Smith & Fetters' window is very attractive with a well-arranged display of wheat, corn, pumpkins and choice fruit. C. M. Wagner, Erie Street, has also adopted a similar style of window display.

The window of J. M. Gasser Co.'s upper store Thanksgiving was neat, simple and attractive. It represented a football field, with goal posts at either side of the window, trimmed in the colors of two local college teams. The football in the center of the window was most suggestive of the idea of the decorator—Mr. Jones.

Ella Grant Wilson handled an extensive decoration at the Colonial Club on Wednesday of last week. The decoration was doae in white chrysanthemums, wild smilax and dogwood.

Death of a Young Florist.

Matt F. Wilhelm, 18 years old, son of M. A. Wilhelm, a retired Cleveland florist, was found dead in bed in his room at his hotel in Lorain, Ohio, on Sunday afternoon, 2d inst. Death was caused by hemorrhage. The remains were brought to Cleveland on Monday and taken to the family residence on Pearl Street, where the funeral was held on Wednesday. Burial occurred in Riverside Cemetery.

Mr. Wilhelm is prominent among the Cleveland florists, having been in the business here for many years. Since the death of his wife and daughter, about two years ago, he has been living a retired life, and his two sons, C. B. and Matt F., succeeded him. He took up his residence in Lorain a few months ago, and in September last the sons opened a branch store there, the young man who just died being in charge. He was an energetic, promising young fellow, and was held in high esteem by all who knew him.

Dennis Bros., cut flower dealers, with headquarters at Pittsburg, have succeeded to the business formerly operated by C. G. Stehr, who has left the city.

Smith & Fetters will occupy on the 15th inst. the storeroom at 150 Euclid Avenue, immediately adjoining their store, in connection with their present quarters.

G. A. T.

CHILLICOTHE, O.—Louis Elsoss has purchased the McKellar greenhouses here.

ALLSTON, MASS.—Miss Sarah W. Story has opened a florist's store on Cambridge Street.

WANTED—BOUQUET GREEN AND running pine, 500 pounds each; advise with price. Melrose Floral Co., Harrisburg, Pa.

Chrysanthemum STOCK PLANTS

Bonnaffon, Mrs. Jerome Jones, C. H. Pierce, Pink and White Ivory, Rose Owen, Glory of Pacific and Yanoma 50 cents per dozen.

Will take Viviand-Morel, J. E. Lager and M. Montmort in exchange.

J. & W. LEACH, 1010 De Bevoise Ave., L. I. City, N. Y.

Mention the Florists' Exchange when writing.

BUY YOUR FLOWERS DIRECT FROM THE GROWERS

BASSETT & WASHBURN

Growers of Extra Choice BEAUTIES, TEA ROSES, FANCY CARNATIONS, BULB STOCK, ASPARAGUS SPRENGERI, SMILAX.

Send us your name to be placed on our mailing list and we will send you a copy of our Florists' Price List every issue.

Store: 76 Wabash Ave., CHICAGO, ILL. | BASSETT & WASHBURN | Greenhouses: HINSDALE, ILL.

Mention the Florists' Exchange when writing.

FERNS.

Fine bushy plants, from 2 inch pots, of

Cyrtomium Falcatum, Onychium Japonicum, Pteris Cretica Albo Lineata, Pteris Adiantoides, Aspidium Tenuemense, at $3.00 per 100, assorted.

These are bright, clean stock and just right for small fern dishes.

Ardisia Crenulata 10 fruit, 50c., 75c. and $1.00 each. Fine stock, 10 to 12 in. pots, ready for a shift, at 5c. Seedling Ferns, Cyrtomium Falcatum, strong plants, only about 3,000 left 50c. per 100; $4.00 per 1000, by express, to close them out.

CASH, PLEASE.

HANFORD'S FLORAL HALL,

L. D. Telephone 152-3. NORWALK, CONN.

Mention the Florists' Exchange when writing.

GERANIUMS

Rooted Cuttings sold out.

A few thousand of QUEEN OF WEST, extra strong, left; second lot will be ready first of February.

Send for Price List.

PETER BROWN, - Lancaster, Pa.

Mention the Florists' Exchange when writing.

THE LAWSON CARNATION

Is rapidly demonstrating its **commercial value** all over the country. My stock is in **excellent condition, healthy** and **vigorous**. Rooted cuttings ready **now** or for **later delivery.**

Price, per 100, $7.00; per 1000, $60.00.

Terms strictly cash from unknown parties.

The demand will be heavy. Send all orders direct to

PETER FISHER, - Ellis, Mass.

NO AGENTS.

Mention the Florists' Exchange when writing.

"IRENE"

THE COMING

COMMERCIAL PINK CARNATION

$1.50 per doz.; $10.00 per 100; $75.00 per 1000.

CRABB & HUNTER, Grand Rapids, Mich.

Mention the Florists' Exchange when writing.

25,000

Double Fringed Petunias

ROOTED CUTTINGS.

20 best sorts, embracing all colors, labeled true to name. A large proportion of white and light colors. Our stock is strong, thrifty and well rooted, and the color and size of bloom can't be beat. Price, $1.00 per 100, postpaid; $10.00 per 1000, or 3000 for $25.00, by express.

20,000 strong, stocky plants, 2 inch pots, $2.50 per 100; $22.50 per 1000.

Satisfaction Guaranteed.

A. B. DAVIS & SON, Purcellville, Va.

Near Washington, D.C.

Mention the Florists' Exchange when writing.

ASPARAGUS PLUMOSUS

Good stock, in 3 inch pots, $8.00 per 100; $70.00 per 1000.

2 inch pots, suitable for Ferneries, $5.00 per 100; $45.00 per 1000.

C. W. COX, 2d and Bristol Sts., Phila., Pa.

Mention the Florists' Exchange when writing.



NOW IS THE TIME

TO STOCK UP WITH

Kift's Adjustable Vase Holders

AND NEW

FAIRY VASE STANDS

VERY NOVEL AND SALABLE.

RUBBER CAPPED TUBES Useful to the Decorator in many ways.

Send for Illustrated Circular.

JOS. KIFT & SON, 1725 Chestnut Street, PHILA., PA.

Mention the Florists' Exchange when writing.

CULINARY TOPICS The new Household Magazine, offers in its first number $35.00 in Prizes for the best letter on the subject of

"Why Dinner Tables Should be Decorated with Flowers."

It also contains an article on "FLOWERS IN THE DINING ROOM," which is calculated to make householders and housewives patronize the florists more. Similar articles from the pens of leading writers on household subjects will be published throughout the year. These articles will be sure to benefit the florists' business.

You should read these essays and try to make others read them because of this self-evident fact.

If you mail or hand copies of the magazines containing these articles to present or prospective customers, with your card, it would be sure to prove effective and welcome advertising.

A single copy costs 10 cents; a Yearly Subscription, $1.00; 100 copies, $10.00, which would be a very appropriate Christmas gift to your patrons.

CULINARY TOPICS CO., 14 Oliver St., Boston, Mass.

Mention the Florists' Exchange when writing.

CYCLAMEN

Good Plants in Bud and Bloom.

4 inch pots . . . . . $2.00 to $3.00 per dozen.

5 inch pots . . . . . $4.00; $5.00 and $6.00 per dozen.

6 inch pots . . . . . $7.50; $9.00 and $12.00 per dozen.

C. W. COX, 2d and Bristol Sts., Phila., Pa.

Mention the Florists' Exchange when writing.

SEED—**PANSIES**—PLANTS

The Jennings Strain.

Fine plants, medium size, by mail, 60 cts. per 100 $4.00 per 1000 by express. Fine stocky plants, in bud and bloom, $1.00 per 100; $10.00 per 1000.

PANSY SEED, finest mixed, $1.00 per pkt. of 3000 seeds; $5.00 per oz. CASH WITH ORDER.

E. B. JENNINGS, Lock Box 254, Southport, Conn.

Grower of the finest Pansies.

Mention the Florists' Exchange when writing.

PALMS

Ferns, Asparagus, etc.

Write for Wholesale Price List.

EMERSON C. McFADDEN, Short Hills, N. J.

U. S. EXOTIC NURSERIES.

Mention the Florists' Exchange when writing.

OPEN AT SIX EVERY MORNING

Cut Flower Exchange

404-412 East 34th St.

Near the Ferry

NEW YORK

WE DO NO SHIPPING BUSINESS

Mention the Florists' Exchange when writing.

REPORT OF THE JUDGES

APPOINTED BY THE

Philadelphia Florists' Club to Judge Our

GRAND NEW ROSE

QUEEN OF EDGELY

PINK AMERICAN BEAUTY.

"We are convinced that this variety is a valuable addition to the list of forcing roses, being in every respect, except color, the exact counterpart of the American Beauty. The color is a beautiful bright pink, which is good, even in the full flowers. The fragrance is also as fine as that of Beauty, and the exhibited blooms showed remarkable vigor."

(Signed) ROBERT KIFT,
WM. MUNRO,
JOS. HEACOCK.

N. B.—Two of the above Judges received first prizes for American Beauties at the Rose Show of American Rose Society, New York, March 27, 1900.

For Terms and Particulars, Apply to

R. CRAIG & SON, Eastern Agents,
49th & Market Sts., PHILA., PA.

E. G. HILL & CO., Western Agts.,
RICHMOND, INDIANA.

The Floral Exchange,
INC.
335 N. 6th St., PHILA., PA.

Mention the Florists' Exchange when writing.



BEGONIA—GLOIRE DE LORRAINE.

We are Headquarters for

BEGONIA

Gloire de Lorraine

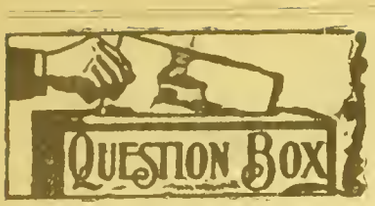
THE FINEST XMAS PLANT IN EXISTENCE

Let us send you a sample dozen of our ONE DOLLAR SIZE for your Xmas trade, or better yet, if you have calls for more expensive plants order a full line of samples, 75 cts., $1.00, $1.50, $2.00, $2.50 and $3.50 each, ranging in size from 5 inch pots to 8 inch pans. Our $1.00 size are splendid value and are very useful for table decorations combined with Adiantum Farleyense or Cuneatum. We have 3000 splendid plants and can make fine selection of shapely specimens where orders are sent in early.

THE COTTAGE GARDENS

QUEENS, LONG ISLAND

Mention the Florists' Exchange when writing.



(244) **Leaves of Pandanus Off Color.**—F. A.—The Pandanus Veitchii are suffering from being grown under too heavy shading, and probably a high temperature, with poor ventilation.

(245) **Carnations and Roses in Same House.**—Roses require a higher temperature and a more moist atmosphere than do carnations; and to grow both in one house would not be practicable. A good plan would be to put a sash partition across the middle of the house, thus making two separate houses; then roses could be put in one half and carnations in the other.

(246) **Poinsettias.**—Cut the stems in the latter part of the day, put them immediately into a deep vessel containing water and keep them in a cool room over night. It is necessary when cutting the poinsettia to place it in water immediately; if this be not done the leaves and bracts soon wilt and seldom revive.

(247) **Red Spider.**—The best cure for red spider is a strong force of water direct from the hose pipe; persistent syringing will keep down the pest. Maintaining a moist atmosphere by dampening the paths and underneath the benches will also prove a great help in keeping the spider away.

(248) **Size of Chrysanthemums Timothy Eaton and Col. Appleton.**—At the Chicago show the variety Timothy Eaton measured 13½ inches over all and was 6 inches deep. As no official measurements were taken at the last exhibition (so far as we know) we are unable to tell their exact size, but Col. D. Appleton has a record of 19 inches over the flower from stem to stem, and 22 inches in circumference.

(249) **Worms in Benches.**—F. A.—The worm in question is a hard-skinned creature, and is difficult to dispose of. It generally gets into the soil through the medium of half-decayed vegetable matter, and when once in the wooden benches the cracks in the wood afford the pest a secure hiding place. Whitewashing the wood work, inside and out, with fresh slacked lime, and repeated waterings of the soil with lime water, will, if faithfully persisted in, eradicate the insect.

(250) **Wants Daffodils for Christmas.**—Kindly inform me when would be the proper time to bring in my daffodils for forcing. I have them planted in flats, and would like to get them in the market for cut flowers as soon as possible. I did not receive the bulbs until late this year. I planted them in boxes September 15, and placed the boxes outside, covering them with manure. Some of the plants are up about half an inch and others are just commencing to sprout. Could I bring them in by Christmas or the first of the year? They have had 10 weeks in which to make roots.
SUBSCRIBER.

—The daffodils can certainly not be had in flower for Christmas; but if plenty of bottom heat is at command, they might possibly be got in for New Year's. We would not advise attempting to have them in for New Year's, however, under the circumstances. If, as stated, the bulbs have been covered with manure, the heat therefrom might have induced an unnatural growth, with probably very little root growth. If that be so, the bulbs would flower very indifferently if put into heat now. We would remove the manure and apply a covering of a few inches of soil; then let the bulbs remain where they are until the beginning of January, when they can be brought in, a few at a time, say once a week, for forcing.

(251) **Spot on Scott Carnations.**—I have two benches of Scott carnation badly affected with spot. While the plants are vigorous, some of the foliage is spotted, and more than two-thirds of a heavy crop of buds are also badly spotted. Soil and condition of the affected benches are the same as afforded for all the rest, which are perfect. There are no pipes under the affected benches, and since the disease showed, the plants have been kept much on the dry side. The soil is of light texture, with plenty of thoroughly rotted horse manure through it. A light dressing of lime and wood ashes was given when the disease first appeared.—J. C. R.

—From the description and sample sent, the plants have a very bad attack of spot. Over-watering, poor drainage, lack of ventilation and excessive heat are the chief causes for its appearance. Sometimes the conditions prevailing outside during the plant's sojourn in the field will start the disease, and when planted in the house a little oversight will cause it to spread very rapidly. After some years of experimenting with various remedies for spot, we have discarded them all. Now we try to assist nature in a more matter-of-fact way. The only reliable cure is to pick off all affected leaves close to the stem and burn them. Give plenty of ventilation; this is absolutely essential, especially in mild and damp weather. A pipe or two on each house, with the ventilators open wide enough to keep the temperature down to 60 degrees during the day, and in such weather a little air on all night will be very beneficial. In keeping the plants on the dry side, do not make the mistake of allowing them to get very dry at the bottom of the bench. A liberal coat of soot will be more beneficial than the lime and wood ashes at this time, as it contains nothing to harm a sick plant, and is one of the best-known remedies for sick foliage of any kind. It is scarcely necessary to add that plants in this condition should never be sprayed.
WM. WEBER.

(252) **Heating Problems.**—Please say what size flow pipe it will take to heat a house 26 x 100 feet; also how many 1¼-inch return pipes it will take to heat the house to 60 degrees in cold weather.—WM. T. STEWART.

—The question does not state whether steam or hot water is to be used, nor is the amount of glass in the walls given. If the roof has about the usual pitch and there is no glass in the walls, the house can be heated to 60 degrees in zero weather, with one 2½-inch flow and 12 1¼-inch returns, if steam is used, or with one 4-inch flow and 18 1¼ inch returns, with hot water. A better distribution of the heat from the flow pipe can be secured if three 2½-inch, or five 2-inch pipes are used instead of one 4-inch.—L. R. TAFT.

What size of pipe would you recommend for heating with hot water, a house 150 feet long, 20 feet wide, and located 100 feet from the boiler. I mean what size of main feed pipe, and returns to connect house with boiler.—GEO. B. MANTER.

—A good deal depends upon the height of the coils above the heater, as well as the temperature desired in the house. For 50 degrees a 4-inch pipe would answer, provided the lowest part of the coils is five feet above the top of the heater, while for 60 degrees, it would be better to use 5-inch pipes for both flow and return, unless the flow pipes are overhead in the houses, or the difference in level is more than five feet.—L. R. TAFT.

I have two greenhouses that I wish to heat with hot water. One is even span 17 x 16 feet, with three feet of glass in the side walls, and the other is a three-quarter span house, 43 x 13 feet, also with three feet of glass in the walls. What heater should I use and how should the house be piped? The temperature seldom goes below eight degrees F.—H.

—The use to which the houses are put is not stated, but if the narrow house is for roses, and the even span house for carnations or other plants that require about 50 degrees, the following plan is suggested: The houses will require about 350 square feet of radiation, but it will be well to select a boiler rated for about 500 feet. Almost any of the manufacturers of boilers whose advertisements appear in this paper, can supply what you need. About ten 2-inch pipes will be required in the narrow house, and eight in the other. Of these two could be flows and the others returns. The drawing shows the houses in the shape of an L, with the boiler at the end of the narrow house, and a door near the lower corner of the L. One of the flows can be carried overhead on the posts that support the ridge of the narrow house to the farther end, where it can connect with a coil of four pipes, which can pass around the even span house, and along the south side of the other house, to the west end where a 2-inch pipe can connect it with the heater. The other flow pipe can be carried on the purlin posts in the middle of the north side of the narrow house to the east end, and there connect with a coil of four 2-inch pipes, which can run along the north wall to the heater.—L. R. TAFT.

Which is the better way to have pipes in a greenhouse for growing carnations—under the benches or on a side wall; and how many runs of 2-inch pipe are necessary for hot water to heat two houses, 75 x 12 and 8½ to ridge? Is it safe to build greenhouses of third quality, double thick American glass, 12 x 24, because I can get such glass cheap?—SUBSCRIBER.

—If there is no glass in the side walls the houses can be heated with six 2-inch pipes, using one flow and two returns on each side. In houses 20 feet or more in width, such as are commonly used for carnations, it is well to have most of the pipes on the side walls, although one or two may be under each of the benches, but for a 12-foot house, which is probably arranged with a walk in the center and benches on each side, it will be as well to have the pipes under the benches. A serious objection to placing the pipes under benches used for carnations is that, unless care is taken in watering, the soil at the roots becomes dry. The danger will be lessened if there is a wide space between the bench and the wall and the bench is open in front, so that the warm air can pass out into the house. In the case under consideration, if the width of the walk permits, the flow pipes could be carried in the walk, on the bench legs, and the returns underneath, and at least a foot below the bottom of the bench. Ordinarily it is not best to use anything below second quality glass, but if the house is to be used for carnations, it would be less objectionable than for most other crops to use a lower grade, and the difference in price might lead to its selection. It would also be desirable to use glass 16 inches wide.—L. R. TAFT.

I am heating greenhouses with steam, but want to change to hot water. I have a stationary engine boiler. The highest point in pipe is in the flow, eight inches from ridge-pole. Would it work all right to put the expansion tank on the outside of the houses above ridge-pole?

Which is the best variety of lettuce for forcing?—F. C. M.

—It is not advisable to place the expansion tank above the roof of the greenhouse, as it is likely to freeze. If, however, it is not possible to place the tank in the boiler house so that it will be above the level of the flow pipe, or if the flow pipe cannot be readily lowered, it is possible to have the tank above the roof as proposed. The tank should be well packed to prevent loss of heat, and a half-inch pipe should run from the tank to one of the return pipes, in addition to the pipe from the tank to the highest part of the flow pipe. If arranged in this way the circulation of the water through the tank will prevent its freezing.

Grand Rapids lettuce is the best variety for forcing, as it matures quickly, and with little danger from rot and similar troubles. In most Western markets it sells as well or better than the cabbage or heading varieties. In Eastern cities the demand is for a head lettuce, and good results can be secured with some of the strains of Boston Market or White-seeded Tennisball. Belmont is one of the best.—L. R. TAFT.

I am having built a palm house, 50 feet x 40 feet; 26 feet in height; also two small greenhouses, each 50 feet long and 26 feet wide. How many lines of 4-inch pipe will it take to heat them in zero weather, the palm house to 60 degrees, greenhouses, 50 to 55 degrees? Will a 2-inch pipe be large enough to carry the heat direct from boiler to palm house, so that we could heat it without heating the greenhouses?—G. J.

—A sketch accompanying the letter shows the two small greenhouses placed end to end, with an octagonal palm house at the end farthest from the boiler house, but as the height of the walls is not given, it is not possible to give a very definite answer to the questions. If 4-inch cast iron pipe is used, the number of linear feet required for the palm house for a temperature of 60 degrees is about one-third the number of square feet of exposed glass surface, while for 55 degrees, in the other houses, the linear feet of pipe should be one-fourth the square feet of glass. Thus, if there are 3,600 square feet of glass in the palm house, 1,200 linear feet of pipe will be required, and if the other houses have 1,400 feet of glass, they will require 350 linear feet of pipe each. Instead of one 2-inch supply being sufficient for the palm house, two 4-inch should be used, with returns of the same size. These should run through the small houses, one on either side, and the pipes in the palm house should be arranged in two coils, each running half way around the house, with a flow and return pipe connecting with the boiler. In addition to the pipes which lead to the palm house the small greenhouses will need a flow and return pipe on each side. Instead of using 4-inch cast iron pipe, it will be better to use 3-inch wrought iron pipe for the flows and returns and 2-inch pipe for the coils. In the palm house the flows should be carried near the eaves around to the farther end, and there connect with the coils, which should contain one-half as many feet of 2-inch pipe as there are square feet of glass in the house.—L. R. TAFT.

BRIEFS FOR BUSY FLORISTS.

PRIMULAS for Christmas sales should be showing the flowers well by this time. If they seem at all backward run the house a few degrees warmer at night to help them along. A cheap and attractive centre piece for the table can be made by putting three or four primula plants together into a large pan; this can be done after they are in bloom without injuring them in any way, so that pans of mixed colors may be made up if desired.

COLEUS.—The stock plants of coleus must not be neglected while the houses are crowded with flowering plants for the holidays. If they happen to be young plants that were rooted in the fall, they should either be potted, or planted in flats, and be kept growing. If this is not done, or should they be checked in their growth by too low a temperature, they will be in but poor condition for yielding cuttings later on.

PELARGONIUMS.—If not already done the old plants need shaking out of the pots, the most of the soil removed from the roots, and the plants repotted. Use a good rich soil in which to pot them, and after the first watering a light syringing daily will be all the water required until the plants break into new growth.

HYDRANGEAS FOR EASTER.—If there is room under a centre bench that is not absolutely dark, hydrangeas may be put there and will, if sprayed occasionally, break into growth gradually. Of course, they must not remain under the bench after the leaf buds begin to open, but must be put into the full light, otherwise, spindly shoots only will result.

BOUVARDIA on the benches is now showing flowers freely, and if syringing is not kept up rigorously red spider will soon play havoc with the foliage, especially on the plants along the edges of the bed. Look out for mealy bug, also; bouvardia is a special favorite of this pest, and if the plants are at all crowded the bug might get a good start before being noticed.

CARNATIONS.—It is a mistake to run up the temperature of the houses to force a few extra flowers for Christmas; any extra blooms thus gained are probably lost twice over in value before the season is over. If any forcing is resorted to, it should be done very gradually, and when to be discontinued the same methods should be adopted. Raise the temperature two or three degrees only at a time, and through the day give plenty of air on all favorable occasions.

Parties interested in the cultivation of ginseng (Aralia quinquefolia) can obtain reliable information as to its culture, preparation for market and other useful points, on application to Harlan P. Kelsey, Tremont Building, Boston, Mass., who has just issued a very instructive illustrated circular on the subject.

TOBACCO STEMS
"Good Strong Kind."
60 CTS. PER 100 LBS.
BALES WEIGH 500 LBS.
TOBACCO DUST
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Fine or Coarse to Your Order.
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NATIONAL FLORISTS' BOARD OF TRADE

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Philadelphia.

Club Meeting.

The meeting on Tuesday last was only fairly attended, owing, no doubt, to the inclement weather. A. M. Herr read an interesting paper on carnations, which was greatly appreciated, and will be found in full in this issue. In reply to a question as to early benching of carnations, Mr. Herr said he had obtained good results from this plan, and would even plant in the houses earlier next season. He would aim to have well-established plants in pots to put out in the field in Spring, and would take them up to plant in the houses by August 1. In answer to another question as to best time to cut carnation blooms, and in what condition they should be cut and how to ship, he said that he could not answer this to be quoted as an authority in the matter, but would give his own method, which was to cut the blooms in the early morning, put them in water and ship by 5 p. m. He always cut the flowers before they were fully developed. In doing this he only consulted his own convenience, as he shipped at 5 p. m. daily, and believed the flowers carried better if held in water from six to eight hours, and as he shipped quite a distance he cut before the flower was fully open, tying in bunches of 25 and wrapping some wet moss around the stems.

Robert Kift thought the retailers preferred flowers not fully open. Wm. K. Harris said when he grew carnations, he always found fully open flowers brought most money. John Burton said then it is evident that the retailer likes undeveloped flowers, as they are cheaper.

The exhibits of the evening consisted of a vase of Queen of Edgely rose from The Floral Exchange Co.; a vase of Robert Scott rose from Robert Scott & Sons; vase of red carnation John Habermehl, from John Kahn; vase of white carnation Elm City from A. M. Herr; vase of white carnation Queen Louise from J. L. Dillon and two vases of chrysanthemums from Nathan Smith & Son of the varieties Xeno, pink; Goldmine, yellow; Superba, pink; Lavender Queen, pink tinted with lavender; White Bonnaffon, white, and Nagoya, yellow.

As the next meeting night will be New Year's the meeting will be held on the second Tuesday.

The essay for next meeting will be "The Best Ferns for Commercial Use, and Why," by Chas. W. Cox.

A ladies' night will be the event for the fourth Wednesday of January the 23d, when suitable trophies will be provided for prizes for the ladies, and a short program of singing, etc., arranged, with ample refreshments.

Growers.

The establishment of Robert Craig & Son never looked better at this time of year than it does now. First on the list is a house full of a grand lot of plants of Begonia Gloire de Lorraine; there are 2,000 in the house—a sight now worth going a long way to see, being one mass of pink flowers; the plants, from 5-inch pots up to 12-inch pans are all good. These have been grown open to the sun all the time, and cool, about 50 degrees at night, so that they are in good condition for the stores. Next we see a house full of Cyclamen gigauteum, just right for the holiday trade—strong plants with abundance of bloom. Azaleas are an important feature; a large quantity will be ready for the Christmas trade. The method used here was to start the plants by plunging them in a hot bed until the buds were well advanced, then moving them to a cooler house. By this plan all the principal varieties will be in flower. Usually, Simon Mardner and Deutsche Perle were the principal ones for Christmas; now, in addition, there will be Vervaeneana and Van-der-Cruyssen. Some of the latter are very large plants. There is also a lot of very good rubbers, in branched plants; 24 to 36 inches above the pot. Boston fern is one of the principal features, there being a large stock from 6-inch up, which are selling fast. These are all well done and are of good color. Araucarias are very numerous here this year; a strong, stocky lot of plants mostly A. compacta and A. glauca, with a few A. excelsa. In palms the principal stock for the holidays is a well-grown lot of livistona, which ought to move rapidly. Most of the Pandanus Veitchii are planted out in benches, this method being adopted to not only produce good plants, but to produce stock more freely, and the results are excellent. Plants are growing splendidly and throwing out quantities of suckers.

A. Blanc is devoting his greenhouses mostly to plants for catalogue trade of interest to florists. He has a grand lot of Asparagus Sprengerii, just right to plant out or grow on in pots. The cactus plants are also being worked up, the demand having increased the past year.

When Alfred Dimmock leaves for England on Saturday, December 15, to go home to spend a merry Christmas, he will take with him a box containing flowers of the new rose, Queen of Edgely. These are to be sent by The Floral Exchange, growers and owners of this new acquisition, to be exhibited in England.

DAVID RUST.

Omaha.

Thanksgiving business in Omaha was very brisk, but not quite up to that of last year. There was a shortage of everything in this vicinity, owing to 15 days of dark weather, something Omaha does not have very often.

The chrysanthemum season seemed to the writer very short this year, probably for no other reason than that the demand was so good from the time the flower made its appearance to Thanksgiving Day. The demand for roses is equal to the supply, except at times when Meteor falls short. Golden Gate seems to take the flower buyers' fancy more now than earlier in the season, the color being a little more pronounced. This locality has never seen such a scarcity of violets; the few that do come in are of the Princess of Wales and the Marie Louise varieties. In carnations there is also a shortage which has been felt for the last month. Daybreak seems to be the leader, with Jubilee next. Crane has not amounted to much as yet.

Omaha had to content herself this year by hearing and reading of other cities' chrysanthemum shows. But our city, since it has gone Republican, will be in line with others in the future.

J. H. B.

Baltimore.

Retail Notes.

The gay season was formally opened by the Monday german at Lehmann's Hall, last week. Black Bros. decorated the hall. Wild smilax and chrysanthemums were the predominating elements in the decoration; the treatment of crystal chandeliers being a very successful combination of asparagus and chrysanthemums. The ladies carried armfuls of flowers, American Beauties being the decided favorites. Some valley and a few orchids were also seen.

The aspect of the retail trade has changed altogether and a busy season seems to be opened.

Feast & Sons had a beautiful home wedding decoration at the Jenkins residence, on Charles street.

Wm. J. Halliday decorated the house for the marriage of Miss Gary, at which President McKinley and party from Washington were present.

Halliday Bros. had a pretty church wedding at the Grace Protestant Episcopal Church.

The skill of the Patterson park artists and the treasures of the greenhouses there were displayed at a church wedding of a niece of the park president.

CUT FLOWERS FOR CHRISTMAS

Beauties, Maids, Brides, Meteor, Carnations, Roman Hyacinths, Narcissus, Valley, Violets, both single and double. Also Asparagus Plumosus, Smilax and Adiantum. Choice stock, carefully selected and packed. Good shipping facilities.

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NO TRASH.

CHAS. H. RICKSECKER, Linville, N. C.

Mention the Florists' Exchange when writing.

F. O. B. at Prices Annexed.

CHRISTMAS TREES

Nursery-grown, well-furnished

NORWAY SPRUCE

From 3 to 35 feet high.

3 to 4 feet	$15 00	per 100
4 " 5 "	18.00	"
5 " 6 "	20.00	"
6 " 8 "	25.00	"
8 " 10 "	35.00	"
10 " 12 "	40.00	"
12 " 15 "	50.00	"

Lowest prices on **Laurel-leaved Willows, Sycamore** and **Silver,** or **Soft Maples,** in America.

Oaks, Oriental Plane, Norway, Sugar and other **Maples, Magnolias, Nut Trees, Evergreen Trees, Specimen California Privet, Etc.** SEND FOR CATALOGUE.

CHAS. B. HORNOR & SON, Mount Holly, Burlington Co., **N. J.**

Mention the Florists' Exchange when writing

Grand Rapids.

Trade Notes.

The extremely variable weather has had a depressing effect on home trade. Shipping business has been steady and satisfactory. Carnations were scarce all the week. Thanksgiving prices went into effect Monday. Roses were about equal to the demand, except Beauty, which are nearly always scarce. The demand for violets was far in excess of the supply; the quality was good to fair. The plants have hardly got accustomed to changeable weather yet, and will bloom better when settled cold days come. The chrysanthemum crop was ample for all demands, and there will be good chrysanthemums here for a couple of weeks yet. Paper Whites were in small supply and helped to add variety to the list of flowers. Carnations at retail brought 50c. to 75c. per dozen, Irene being in the latter class with fancies. Roses were fine, and sold for $1 to $1.50 per dozen. Beauty, $2 for shorts to $5 per dozen for extra long.

Friday morning we had a visit from Messrs Klagge and James Taylor, of Mt. Clemens, who made a tour of the greenhouses here. Crabb & Hunter's violets and carnations, especially Irene, were greatly admired. The stock at the establishment of the Burton Floral Co., particularly polasettias, was well thought of. The plants of Wm. Rattray, Henry Smith, Chadwick and Eli Cross were also on our visitors' itinerary. They expressed themselves highly satisfied with what they saw.

G. F. C.

Hartford, Conn.

Thanksgiving trade was far ahead of last year's and everything was sold out clean, stock being short of the demand. Colored chrysanthemums were most called for and yellows were the best sellers; they went at from $1 to $2 a dozen. Carnations and violets were both very scarce; the former sold at from 35c. to 50c. a dozen, and the latter at from $1 to $2 a hundred. Paper Whites, Romans and stevia sold well when everything else was gone. There was not much call for potted plants.

J. F. C.

HOLLY DARK GREEN, WELL BERRIED

50 lbs., net weight, per case, $2.50.
25 lbs., " " " 1.50.

WILD SMILAX Per 60 lb. case.....$2.00 Per 30 lb. case..... 1.50

LONG NEEDLE PINES Assorted sizes, 2½ to 4½ ft. high, per dozen, $1.20; per 50, $4.00; per 100, $7.00.

R. A. LEE, Evergreen, Ala.

Mention the Florists' Exchange when writing

GALAX LEAVES

Red and Green Galax, 45c. per 1000.

Leucothoe Sprays, $2.50 PER 1000.

Cash with first order. Seven years' experience. Special price to wholesalers.

J. N. PRITCHARD, ELK PARK, N. C.

Mention the Florists' Exchange when writing.

SHIREMANSTOWN, PA.—During the past season John F. Rupp has added two greenhouses to "The Home of Primroses;" enlarged the packing and storage shed; put up complete waterworks run by a gasoline engine, for the greenhouses, hotbeds, cold frames, and gardens. The entire greenhouse plant has been gone over with white, light yellow and dark brown paint. Four of the houses have cement walks and two paved brick, both forms making very satisfactory walks. The stock at present is in fine shape; the primroses for growing seed are in the best possible condition.



Insertion will be given in this column to all communications free from animus, but the opinions expressed do not necessarily reflect our own.

Pruning Evergreen Hedges.

Editor Florists' Exchange.

I am sorry to see in your number of November 17 that Mr. Meehan feels that I have stepped on his corns by saying that he was "wide of the mark" with respect to his statement on the pruning of evergreen hedges. When I read in his article that "pruning should not be deferred until the approach of cold weather, and the work should not be done later than a month at least in advance of freezing weather," I thought he meant by these words the latter part of September and October; but now since reading his reply I see August and the first part of September were meant. It was also not known to me that May (when it can be seen if the branches are alive or not), was called in this country "early Spring"! but Mr. Meehan says that our articles are in harmony, so that this must be so. What I formerly understood by "early Spring" was when the frost leaves us, and Nature shows signs of life again. But conifers do not start so early; and as it is necessary that the dead branches must be distinguished from the living ones, I thought, in my simplicity, that Mr. Meehan was about a month too early with his Spriag praniag.

And when I said that hedges should be pruned in August or September, I did not do so out of pure consideration for those poor tender braaches that had been overshadowed by others. Generally in places where the braaches are so crowded, there are they plentiful, so that when some do succumb to exposure to the cold, there are enough left to fill the gaps. But September is the best month for the growth of conifers, and when a hedge is pruned in August the plants grow out very soon, and the hedge becomes natural again in a couple of weeks; on the contrary, if the hedge is pruned in October, the time for growing is passed; even if the tender branches have time to harden up, the hedge remains stiff and ugly during the seven months of the year before the branches can grow out again, looking all this time like a man's hair the first week after a short pompadour hair cut, or the pelt of a sheep newly from the hands of the clipper or shearer.

When a marksman misses the center by a few inches he is wide of the mark; and when the hunter pulls the trigger only a second too early, or a second too late, he misses the game; so Mr. Meehan must not feel badly when I say he is wide of the mark as, I think he has missed the proper time for pruning evergreen hedges by a whole month. I never doabted Mr. Meehan's good intentions; but missing the mark is never done intentionally. P. OUWERKERK.

Hardiness of the Hardy Orange.

Editor Florists' Exchange.

In No. 45 of THE FLORISTS' EXCHANGE I find the following very interesting explanation of the reason why the hardy orange (Citrus trifoliata) should be hardier in Philadelphia than in Maryland: "It is very well understood that it is the hot Winter's sun that determines the hardiness or otherwise of certain plants, and the further south one goes, the less hardy are other things as well, if hard freezings occur at night."

I suppose by the above it is to be understood that the rapid thawing of the plants by the hot Winter's sun, after they have been exposed to severe night frosts, is the immediate cause of the destruction of the plants. Now this theory, though it may have many adherents, especially among practical men, is not at all unanimously upheld. Your correspondent has not had the advantage of seeing positive proof of it, nor found any records of scientific experiments which could establish it beyond doubt. On the other hand, it has been conclusively shown that a plant, or part of a plant, that has actually been frozen—that is, of which the cell sap has undergone the changes characteristic of freezing, is absolutely dead—and thus if a plant has been exposed to so severe a cold that it has been frozen, the effect of rapid or slow thawing could produce no difference, as the plant was destroyed before.

But leaving aside the question of the immediate cause of death by freezing, the relative degree of hardiness of a given plant depends unquestionably on how thoroughly its wood is ripened. It increases with the exposure to the sunlight and its intensity, and is in a measure regulated by the supply of moisture in as far as it shortens or prolongs the season of growth.

Leaving out of the discussion plants which are in especially sheltered positions, Citrus trifoliata has wintered well in this neighborhood only on high, well-drained, fully exposed land. On lower land it nearly always suffers a severe freezing back, and therefore cannot be classed as hardy in this locality.

Now, considering that the orange withstands the rigors of our Winters on high, open land, and always suffers on lower localities, it is difficult to apply the theory above quoted, for the intensity of the sun is the same in the two localities, which are only a few miles distant from one another. I may add that the plants cultivated in this neighborhood have all, or nearly all, been raised from seed grown in this locality.

T. E.

Hawthorns.

Editor Florists' Exchange:

To prevent the borer, take building paper a foot wide, wrap it loosely around (for 10-inch high) the hawthorn and 2 inches under ground The eggs of the borer will be laid about 6 inches above the surface of the ground upon the brown building (or sheathing) paper, and when the young are hatched out, they will have the paper instead of the hawthorn to bore into. Result—dead borers, whether on hawthorns, peaches or apricots.

One other impediment to the hawthorn. Some parties calling themselves gardeners trim up the stem of the hawthorn as jackasses do the lemon. Now, the hawthorn and the lemon do not want a naked trunk exposed to the sun. The remedy for a trunk-exposed hawthorn is evergreens, planted to shade the stem of the hawthorn from the sun. If stone (rockwork) is laid on the ground around the roots, the hawthorn or the lemon will thrive. The hawthorn as a lawn ornament, and the lemon as a fruit bearer are impatient of the knife. L. C. K. BAILEY CO.

Stamford, Conn.

Dahlia Helen Gould.

Editor Florists' Exchange:

In your issue of November 17, O. B. Coomes, Jr., takes exception to my letter in your number of the 3d. The imagination, evasion and misconstruction lie entirely with Mr. Coomes. I will admit that I am not very old myself, but I grew, the past year, three hundred thousand dahlia plants, devoting my entire attention to them. Mr. Coomes claims to have grown 2,000; so if the past year only was my first, I would have had as much experience as Mr. Coomes in 150 years; and I suppose that we have grown annually as many plants of Uncertainty as Mr. Coomes grows of all kinds combined. This is taking it from his own statement that he grows 2,000 a year.

The American Dahlia Society did not overstep its bounds, because every one of the judges knew the dahlia thoroughly, had grown it for years, and knew of this light variation. They therefore passed upon what they knew from long years of experience.

In regard to our purchasing the variation now called Helen Gould under the name of Mary Eustace, I will say that I can substantiate this statement. For several years there were very few deeply variegated flowers, and we easily could have selected these if we had eliminated the plants bearing the dark flowers. However, when we found the plants with the light flowers were so much weaker than the other stock, we stopped making this selection. If Mr. Coomes will remember, in his letter he stated there was some variation, and I don't think he would care to come out flatly and say that even during the past season there was no tendency to revert.

In my letter of the 3d, I state, "It is a well-known fact among dahlia growers that all fancy varieties will vary and sport, the latter permanently, but the former is an essential part and characteristic of the variety." Mr. Coomes says: "I agree with him there, for if he takes Floral Park Jewel, the many colored flowers on one plant characterizes the variety; but when he takes Helen Gould, the light-colored blossoms characterize it as a variety entirely different from the former." Now this statement would not mislead the experienced dahlia grower, but it is absolutely misleading to those not acquainted with the dahlia Uncertainty. The two are not entirely distinct varieties, because they are one and the same. The light flower is as much a part of Uncertainty as the dark or intermediate ones. You can go into any plot of Uncertainty (Floral Park Jewel), and select at least one-quarter of the number in either plants or flowers similar to those Mr. Coomes calls Helen Gould. In our own fields nearly one-half are light, owing to the fact that, in past years, we had the light strains. Helen Gould is therefore nothing more or less than the light flower of Uncertainty (Floral Park Jewel), and it is therefore physically impossible for them to be two distinct varieties.

Mr. Coomes' remark about my trying to belittle the price of Helen Gould is really amusing. What I said I repeat. I do not get my information from one trade paper, nor from one florist, but I get absolutely correct information at all times; and I never make a statement simply for the pleasure of making it. I will therefore quote the following from the American Florist, from the Philadelphia notes in issue of September 29, page 289: "Peacock of Atco is sending in some nice dahlias which differ in price, according to variety and excellence, from $1 to $5 per hundred." On October 6, page 317: "Asters are done, but there are dahlias coming to take their place." Issue of October 20, page 379: "Cosmos is now in full flower and sells for 25 cents to 75 cents per hundred; dahlias bring from $1 to $4 for the same quantity."

We had severe frost on October 19, but the following week we continued to get flowers, which were somewhat protected, although not at their best, and, in competition with chrysanthemums we received $2 per hundred for all we had. The same paper in its issue of October 27, says: "Cosmos and dahlias are still with us, but are not now the factor."

I do not believe in belittling a noble race to exalt a single individual, and that is why I took exception to Mr. Coomes' remarks about prices. Our average price for good dahlias was $2 to $3 per 100. If Mr. Coomes wants further facts we will be glad to supply them, even if he wishes to know who bought dahlias at the prices quoted above. L. K. PEACOCK.

Pan-American Progress.

The month of November, just closed, has been one of the worst for outside work that we ever remember, and somewhat retarded the finishing up of the ground work around the buildings. All of these are about under cover and the staff work and plaster are also about completed. The interior finishing and decoration will go on constantly until completion.

Between snow storms and rain the Horticultural Department managed to get in all the bulbs. Of hyacinths, tulips, narcissus, Spanish iris and other kinds, there are upward of 200,000 planted in the various beds in that portion of the grounds known as the Music Gardens. There are upward of 150 beds, and, with few excetions, these are filled with Spring flowering bulbs, the exhibits of many different firms. These beds are of all sizes, ranging from a surface of 100 square feet to that of 8,000 square feet. This portion of the grounds, entered immediately from the Elmwood gate, consists of some 15 to 20 acres, and is practically finished. It must present a most beautiful appearance in the Spring. Those few not occupied with bulbs will be filled with pansies. There are about twenty-five beds reserved for pansies, which will be planted as soon as the ground is in condition to work in the Spring. A few are occupied with hybrid perpetual roses, so that during the month of May this part of the grounds will be most attractive. A large quantity of herbaceous plants has been planted in several long borders, also in this part of the grounds.

The Department of Works has also planted about a quarter of a million bulbs. Two long borders on each side of the Cascades, each about 500 feet in length by 15 feet in width, are planted in geometrical designs with a great variety of hyacinths and tulips. The large beds destined for Summer blooming plants have also been filled with bulbs. These must make a most brilliant show in the early days of the Exposition.

With all the inclement weather a great deal of planting has been done in the neighborhood of the island on the banks of the Eastern Canal, and in that portion of the grounds occupied by the Foreign and State Buildings. The last piece of structural iron was put on the Electric Tower within a few days, making a total height of 385 feet. Looking from the Esplanade over the Cascades and Grand Basin the Electric Tower, with the grand architecture of the Transportation Building on the left, the Manufacturers' Building on the right, the Horticulture Building to the west, and the Government Building to the east, with many smaller buildings in view, will afford a most imposing sight.

The large consignment of palms, dracænas, oranges, etc., from California, has been carefully housed in extensive wooden buildings with sufficient light for their welfare. As there are to be thousands of feet of boxes filled with flowers and drooping and climbing plants, and also hundreds of vases to adorn the grounds, the propagating at the greenhouses is going on very lively. With all these and the immense amount of carpet bedding that the plans call for, an enormous quantity of plants will have to be ready by the first of June. All who have seen the Horticulture Building, the exterior of which is about completed, pronounce it the most handsome structure for the purpose that has ever been provided at any exposition; and it certainly is a beauty. The two large conservatories leading from it to the Mines and Graphic Arts Buildings are being glazed and will, by the first of the year, be heated with steam. They are large and commodious structures, and admirably adapted to the welfare of growing plants.

All visitors are charmed with the coloring of the buildings. There is a variation in all of them, but they are a most beautiful combination of tints and harmony.

WILLIAM SCOTT.

A Forecast of the Next Century.

The following statements are given in the *Ladies' Home Journal* as being based on the opinion of scientific men who have studied the subject:

Strawberries as large as apples will be eaten by our great-great-grandchildren for their Christmas dinners a hundred years hence. Raspberries and blackberries will be as large; one will suffice for the fruit course of each person. Strawberries and cranberries will be grown upon tall bushes. Cranberries, gooseberries and currants will be as large as oranges. One canteloupe will supply an entire family. Melons, cherries, grapes, plums, apples, pears, peaches and all berries will be seedless. Figs will be cultivated over the entire United States. Peas and beans will be as large as beets are to-day. Sugar cane will produce twice as much sugar as the sugar beet now does. Cane will once more be the chief source of our sugar supply. The milk-weed will have been developed into a rubber plant. Cheap native rubber will be harvested by machinery all over this country. Plants will be made proof against disease microbes just as readily as man is to-day against small-pox. The soil will be kept enriched by plants which take their nutrition from the air and give fertility to the earth.

Roses will be as large as cabbage heads. Violets will grow to the size of orchids. A pansy will be as large in diameter as a sunflower. A century ago the pansy measured but half an inch across its face. There will be black, blue and green roses. It will be possible to grow any flower in any color, and to transfer the perfume of a scented flower to another which is odorless. Then may the pansy be given the perfume of the violet.

CATALOGUES RECEIVED.

E. H. HUNT, Chicago.—Price List of Decorative Greens, Christmas Goods, etc.

RUDOLF KIRCHER, Wandsbek-Hamburg.—Price List of Seeds and Plants, 1901.

W. H. MUNGER & CO., Geneva, O.—Trade List of Novelties in Fuchsias, Geraniums, etc.

SOUTHERN CALIFORNIA ACCLIMATIZING ASSOCIATION, Santa Barbara, Cal.—Price List of seeds.

PHILIP HEILIG Franklin, Pa.—Wholesale Price List of Roses and Chrysanthemums. Illustrated.

HERBE & WILLE, Naples, Italy.—General Catalogue of Seeds; also List of Novelties for 1901. Illustrated.

..VERY APPROPRIATE CHRISTMAS PRESENTS..

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WANTED TO BUY SURPLUS STOCK of all kinds of plants Send description and lowest cash price. First-class stock wanted only. B. F. Barr, Lancaster, Pa.

WANTED—CARNATIONS, VIOLETS, Valley, and Bulbous Stock. Whatever good stock you have in the line of cut flowers, write us. We are the headquarters for the Brooklyn trade. All payments made weekly. Hicks & Crawbuck, Wholesale Commission Florists, 108 Livingston Street, Brooklyn.

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FOR SALE—Greenhouse property for $3200, worth $5000; established 11 years, the only florist near cemetery 6 greenhouses, 8000 sq. ft. glass, in good order, stocked, heated by hot water; mushroom cellar. 20 miles from New York 2 minutes from station. Size of land, 295x270 ft. (24 valuable building lots). For particulars, address B. G., care Florists' Exchange.

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NOTICE!

Is herewith given that we have transferred our business from

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FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

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Mention the Florists' Exchange when writing.

Buffalo.

Trade News.

Along retail lines, matters are running smoothly, with trade rather moderate in extent. The weather has hardly been conducive to good transient trade. Among retailers "coming-out" parties for débutantes have resulted in some fair business, and some functions coming off about the holidays promise some activity then.

Flowers are fairly plentiful; roses probably in the lead, regarding both supply and quality. Violets now are seen that may be called good, but are not so plentiful. Chrysanthemums are practically finished.

J. H. Rebstock and Palmer & Son are showing well-grown Harrisii blooms. The former now supplements a window display with a lot of single camellias that attract attention. S. A. Anderson recently made and packed up a bride's bouquet of valley so skillfully that its occasioned use four days later at Waco, Texas, whither it was carried, was favorably reported on as regards the condition of the blooms.

Here and There.

It is reported that S. J. Rebstock has recently erected two growing houses on Cayuga Street, in Williamsville, a suburb ten miles distant from town.

Wm. Scott had a specimen display of cut blooms of Timothy Eaton chrysanthemum, which called forth unusual admiration.

Our visitors included E. Ruhlman, Lockport, N. Y., and E. A. Butler, of Niagara Falls. The latter reports a recently improved retail business. VIDI.

St. Louis.

The Market.

Business the past week with some has been excellent; with others only fair. Thanksgiving trade was a little better than the average. Prices ruled about the same as last year, with a good supply of flowers to meet the demands. The only stock that went high was violets; they were held at $1.25 per 100 for California, and the retailers refused to take hold of them.

Prices of the leading stocks are as follows: Beauty, in fair supply, at $2 to $4 per dozen; other roses being 4c. to 6c., with demand and supply about equal; carnations have been a little scarce, and now fetch 2c. to 3c. In chrysanthemums little is to be had but the remnants, and they are not very good. Violets are still in short supply, and sell at 5c.

Notes.

John M. Hudson, who has been in business, wholesale and retail, several times, will try it gain this week, by opening up at 1212 Olive Street.

Mr. Rolker, of New York, is in town, with the agency of a large Boskoop and other foreign houses for the sale of the choicest shrubs, decorative plants and novelties. He is trying to get the Western people interested in this class of stock, and we truly hope he may succeed.

Mrs. C. A. Kuehn is reported quite ill.

The store men are now on the lookout for and buying up their Christmas stock in the line of azaleas, poinsettias, and such things. An extra good trade this season is expected. C. C. S.

Hamilton, Ont.

Trade for the past week has been very satisfactory; some trouble was experienced in getting enough stock. Roses are not very plentiful after two weeks of dull weather; the quality seems to keep up, however. Good stock has brought $1 per dozen. Carnations have sold at 40c. to 50c. per dozen. Violets are very scarce.

Miss Townsend has been receiving some first-class roses. Sones is sending in some very good chrysanthemums in pots; they are about the only marketable pot-grown stock that has come in this Fall.

The wind storm of November 23 destroyed some ventilators and other glass at Webster Bros., and with one or two others of the growers. The snow fall here was exceptionally light, and the ground is quite clear again.

Thos. Kilvington, the King Street florist, has proved a very efficient member of the Park Commission. Considerable tree planting has been done this Fall, under the direction of the Commissioners. The North End Park is soon to be graded and improved. The city of Ottawa appointed a florist to a similar position and has been, I believe, well pleased with the result.

BEAVER.



West Hoboken, N. J.—Following are the scores made by the North Hudson Florists' Bowling Club November 21:

	1	2	3	4
M. Hansen	153	133	170	173
W. Hillebrecht	128	121	120	104
O Grundman	124	104	102	110
L. Hansen	131	150	118	169
Geo. K gge	141	162	132	155
George Brown	206	145	149	178
C. Schupp	116	81	92	107

Chicago.—In the League contest with the Laurels, November 19, the Florists tied in the first game, but lost in the other two. The following are the Florists' scores:

	1	2	3
G. Stollery	159	156	178
F. Stollery	159	157	152
Hauswirth	158	149	143
Degnan	169	175	158
Balluff	180	204	183
Totals	825	881	811

New York.—On Monday evening, November 26, there was a large attendance at the alleys. The following are the scores:

	1	2	3
A. S. Burns	161	162	163
L Hafner	173	180	150
W. H. Siebrecht	134	139	152
F. Lentz	143	158	168
T. J. Lang	211	155	206
F. Lescher	150	147	143
C Schenck	125	103	121
P. O'Mara	101	149	136
A. Herrington	113	..	..
John N. May	153	..	..
W. A. Duckham	95	..	..
J. I. Donlan	131	146	..
F. H. Traendly	148	159	..
W. J. Stewart	125	103	..

St. Louis.—Following are the scores made November 25:

	1	2	3
C A. Kuehn	179	163	168
J. J. Beneke	72	120	184
Fred Weber	143	159	157
C. C. Sanders	127	152	114
J. W. Kunz	146	161	134
W. Adels	113	194	159
T. Miller	100	67	91
F. Ellis	..	122	101
M. Rolkoff	..	82	92

West Hoboken, N. J.—The scores made by the North Hudson Florists' Club, November 28, were as follows:

	1	2	3
M. Hansen	159	187	145
G. Kogge	133	151	162
W. Hillebrecht	107	111	198
O. Grundman	148	182	103
A. Schupp	107	112	102
L. Hansen	135	157	178
C. Menne	123	123	152
H. Bauman	130	113	190
J. Birnie	102	195	198

John Birnie won the prize, a turkey.

FLATBUSH VS. NEW YORK.

On Monday night last a friendly match was rolled between these two clubs and resulted in the New Yorkers winning three straight games. The match was played on the New York alleys. Following are the scores:

NEW YORK.

	1	2	3
T. J. Lang	206	229	175
T. Roebra	139	151	135
P O'Mara	133	173	138
W. H Siebrecht	114	113	125
L Hafner	176	165	166
A. S. Burns	114	170	126
Totals	882	941	662

FLATBUSH.

	1	2	3
A. Zeller	171	169	176
H. Dailledouze	142	186	142
L Schmutz	133	134	155
C. Wocker	119	109	115
E. Dailledouze	120	143	149
P. Riley	138	156	181
Totals	783	846	848

While the match was in progress, side alleys were used by those not taking part in the contest, and the following scores resulted:

J. Donaldson	138	151
A. Lescher	151	222
W. J. Elliot	146	136
W. J. Stewart	117	..
J. H. Taylor	117	89
F. Lentz	157	204
J. Thielmann	162	138
J. I. Donlan	107	128
A. Merrit	79	96
J. Lang	73	..
A. Von Asch	163	..
F. H. Traendly	158	150

Chicago.

Thanksgiving Trade.

The early part of the week, when shipping stock was wanted, the supply in certain lines was insufficient, and prices kept stiff; by Wednesday, however, values gave way, except on strictly fancy stock. Everything got cleared off, notwithstanding that a vast quantity was thrown on the market, especially of chrysanthemums, of which probably 60,000 to 70,000 were disposed of during the four days. Very good flowers realized $1.50 to $2 down to 75c. and $1.

In roses, Beauty held their own, except extra long-stemmed stock, which lagged a little at $5 per dozen. Mediums went at from $2.50 to $3.50. Extra select tea roses held fairly well at $7 to $8, and do so yet, but the vast proportion went at $3 to $6; some below these figures. In carnations, fancies touched $4, more being sold at $3; good standards fetched $2, common sorts $1 to $1.50.

The present week opened up without much change, crops evidently being somewhat off, and quite cloudy weather not helping matters. Bridesmaid roses are coming in of better color.

The supply of violets is limited, and it is difficult to realize over $1.50 for the best. Romans and Paper Whites are in supply sufficient for the demand, being rather draggy at $3 to $4.

In green goods, smilax is coming in liberally, with no extra demand. Asparagus strings are scarcer, except A. Sprengeri, which is now a good seller, being also extensively grown. Hardy ferns have now reached $1.25 per 1,000; also galax leaves.

Among Christmas greens lycopodium is provokingly scarce. Wholesalers have made advance sales which it is impossible to fill except at a loss. It is not expected that these conditions can now change for the better. This does not affect the large dealers so much as the small retailers doing business in the suburbs.

Holly begins to arrive, and, so far, is well berried. This would be a good year to try laurel again, which is usually a poor-selling article here. Wild smilax will also, no doubt, be benefited by the scarcity of lycopodium, and so should the cheaper Southern holly, which is often sent here in great quantities and sold very cheaply.

Ilex verticellata, that found such a good demand last Christmas, is already seen around, but it's too early yet to say whether it will sell as well as last year. Some California pepper tree berries are also in evidence.

Round About.

The "Chicago Carnation Co.," mentioned last week as having been incorporated, is so far an enigma. The firm has nothing to do with the Chicago Carnation Co. of Joliet. The three incorporators named are not known florists.

S. Angel opened a new retail florist's store at 2358 Indiana Avenue on December 1.

Nathan Smith & Son sent to the city last week Lavender Queen, Chadwick, Nagoya, Goldmine and White Bonnaffon, besides hosts of other chrysanthemums.

All the parks have had good shows of chrysanthemums this Fall, and on Sundays and holidays the conservatories were greatly crowded by the masses, night as well as day exhibitions being provided, the former by electric light.

F. J. Foster, of St. Louis, was a visitor Monday.

We learn this (Tuesday) morning that Mrs. C. L. Washburn is a very sick woman. Another consultation of doctors is to be held. All sympathize with the afflicted lady and her family.

Ess.

Toronto.

Trade Items.

Business during the past week was very good, with generally plenty of stock. There has been a shortage in some lines, especially Beauty and violets.

The social season has opened well, and there is every prospect of a very good period. Roman hyacinths and Paper White narcissus are coming in freely. Chrysanthemums are becoming scarcer, but there are still some fine Golden Wedding, Toronto, and other good kinds offered, and I think there will be some good flowers until Christmas. The demand for violets is lively. Valley is coming in, and the demand is fairly good.

Some fine cyclamen are to be seen around. From what I observed I think there will be some well-flowered azaleas in for Christmas. T. M.

Montreal.

Trade Notes.

We are now in the midst of a term of the most depressing weather, a dreary mixture of snow, rain and slush. Flowers of all sorts are scarce; those obtainable are of a decidedly inferior quality. Chrysanthemums are largely finished; of those left, Gold Trophy, Niveus and Bonnaffon are the only cheerful-looking ones. Roses are very scarce locally, and the indications are that they will continue so for some time yet. Carnations are fairly plentiful, but in common with everything else, show the want of sunshine. Violets at present are unobtainable. Paper Whites and Romans are good, and just now form a welcome addition. Outside supplies seem to be suffering from the same trouble as local stock, and many are the complaints and deep the grumblings at the prices charged for such inferior stock as is being sent to the retailers from outside points. Retail trade is now fairly satisfactory.

Lachine Horticultural Society.

This society has entered another busy year and intends adding to the $100 balance over all expenses—the result of its initial year's work. A juvenile section has been added, with a 25c. entrance fee. Plants will be distributed free to members, and prizes awarded for best exhibited specimens at the Fall exhibitions. Public monthly meetings are arranged for the balance of the Winter at which papers on horticultural subjects will be read by competent men. At the last executive meeting a silver tea service was presented to the energetic secretary-treasurer, C. A. Smith, in recognition of his services the past year. In future the gentleman occupying this office will receive 10 per cent. of the gross receipts for his work. The first annual dinner will be held on the 15th inst. Several men of more than local reputation have signified their intention to be present. B.

Louisville, Ky.

During the past week the supply of good roses, carnations and violets has not equaled the demand. Chrysanthemums have held up well, the late flowers being very good. Thanksgiving trade was very satisfactory, especially the sale of chrysanthemums for the football games. J. S.

NEW MARGUERITE A Great Novelty for 1900.

A cross between the yellow and white, is a constant bloomer, flowers 4 to 5 inches in diameter; fine for cut flowers, will keep for two weeks after being cut. Center half yellow, outer half pure white. Makes a fine pot plant. Will send, free by mail, 12 plants for $1.25; 6 plants, 75 cts. Order now if you want it.

S. LENTON, Long Beach, Cal.

Mention the Florists' Exchange when writing.

MADAM SALLEROI

Fine plants, in 2½ in. pots, $2.50 per 100.

BOSTON FERNS

4 in., 5 in., 6 in., 7 in. pots; 10 in. and 12 in. pans.

Dandy Plants for Xmas Sales.

MARK AITKEN, Springfield, Mass

Mention the Florists' Exchange when writing.

500,000 VERBENAS

60 finest named varieties, including our new MAMMOTH WHITE MRS. McKINLEY. The finest white Verbena grown.

Perfectly healthy. Free from rust.

Rooted cutting, 60 cts. per 100; $5.00 per 1000. Plants, $2 50 per 100; $20.00 per 1000. Our list is the choice from millions of seedlings. Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

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GERANIUMS ROOTED CUTTINGS

Best popular double and semi-double bedders; 5 varieties Scarlet; 5 Salmon Pink; 4 Dark Crimson; 3 Pink; 2 White, and many other choice vars., $12 a 1000.

COLEUS 10 separate colors, 65c. per 100; Grand Fancy Mixed, 50c. per 100; Grandest New Giant Leaved, $1.20 per 100. Remit with order to ship. List of stock free.

DANIEL K. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

SOMETHING NEW!

TRUE SHAMROCK

(Oxalis Ascetosella.) From cemetery of Down patrick in Ireland. Plants from 2½ in. pots, ready Feb 1st., $14.0 per 100; $35.00 per 1000. 250 at 1000 rate. Cash with order. Order early, as stock is limited.

J. D. Harcourt's Son, Wappingers Falls, N. Y.

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SPECIAL CASH SALE!

	Per 100
2000 CHINESE PRIMROSES, 2 in pots	$1 00
1000 CINERARIAS, 2 in. pots	2 00
1000 ASPARAGUS SPRENGERI	2 00
1000 ASPARAGUS PLUMOSUS	3 50
10,000 GERANIUMS, my selection	3 00

JOS. H. CUNNINGHAM, Delaware, O.

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AGERATUM

"STELLA GURNEY"

As necessary to your bedding stock as Coleus or Geraniums. Dwarf in growth, true blue and always in bloom.

Strong pot plants at 75 cts. per doz.; $5.00 per 100.

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GERANIUM "AMERICA"

A QUEEN AMONG GERANIUMS.

Color, from purest white to deepest rose. Dwarfness, just right; Floriferousness, astonishing. Strong plants, $8 00 per 100; 25 at 100 rate.

READY NOW.

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For Immediate Shipment.

Alphonse Ricard,	Beaute Poitevine,
John Doyle,	Griffith,
Bruantii,	Gloire de France,
Double Grant,	Mme. Jaulin,
Single Grant,	La Favorite,
S. A. Nutt,	F. Perkins.

From 2½ in. pots, $3.00 per 100; $25.00 per 1000. I solicit your patronage and guarantee satisfaction.

PAUL MADER, East Stroudsburg, Pa.

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To the Trade.

2000 ENGLISH IVIES

Strong plants, from 4 in. pots, $15.00 per 100

A No. 1 SCOTT CARNATIONS $5.00 per 100.

SELAGINELLA From 3½ inch pots, $5.00 per 100.

64 SASHES 3 feet by 6 feet, 7 inch by 9 inch glass, good for frames making a house 10 feet by 100 feet; $65.00 for the lot.

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A Big Bargain!

FROM NOW UNTIL JANUARY 1, 1901.

COLEUS 2½ inch pots, $2.00 per 100; $15.00 per 1000. Rooted cuttings from the same at 50c. per 100; $4.00 per 1000.

Also a fine lot of

GERANIUMS in 2½ inch pots, at least 100,000, at $3 00 per 100; or $25.00 per 1000. Is composed of the following varieties:

S. A. Nutt, F. Perkins, Poiteviue, La Favorite, Bruantii, E. G. Hill, Wm. Pfitzer and several other leading varieties.

CASH MUST ACCOMPANY ALL ORDERS.

J. E. FELTHOUSEN, Schenectady, N. Y.

Mention the Florists' Exchange when writing.

MADAM SALLEROI

Geraniums, rooted cuttings, $1.25 per 100, $10.00 per 1000. Rose Geraniums, $1.25 per 100.

Pelargonium Victor, $2.00 per 100.

Abutilons, Savitzii, trailing, and five others, $1.50 per 100.

Weeping Lantanas, $1.25 per 100.

Ageratums, Louise Bonnet, Princess Pauline, Cope's Pet, White Cap. 50 cts. per 100.

Ageratum, Stella Gurney, $2 00 per 100.

Sweet Alyssum, 60 cts per 100.

Feverfew, Little Gem, $1.00 per 100.

Cupheas, Cigar Plant and Tricolor, 75 cts. per 100.

Salvia Silverspot, 50 cts. per dozen.

Double Petunias, 30 vars., 2 in pots, $2.00 per 100.

Mmettia Bicolor, 2 in pots, $2.00 per 100.

Lantanas, 8 vars., 2 in. pots $2.00 per 100.

Heliotropes, 12 vars., 2 in. pots, $2.00 per 100.

Cash with order.

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CINERARIAS

A Superior Strain, 2¼ inch, $2.00 per 100.

CYCLAMEN PERSICUM GIGANTEUM, 4 inch, in Bud and Bloom, $1 25 per doz.

CHINESE PRIMULA, 4 inch, in Bud and Bloom, $1.00 per doz.

WHITTON & SONS, Wholesale Florists,

City and Green Streets, UTICA, N. Y.

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ALPHONSE RICARD	L'AUBE
BEAUTE POITEVINE	MME. JAULIN
CENTEAURE	MRS. E. G. HILL
COUNTESSdeHARCOURT	MISS KENDELL
DOUBLE GEN. GRANT	MME. BRUANT
GILLIAN M. GILL	MISS F. PERKINS
GRANVILLE	MME. BARNEY
GEN. DE BOISDEFFRE	MARQUIS de MONTMORT
LA FAVORITE	MR BRUANT
LA CID	TRUE ROSE

2½ inch pots, $2.00 per 100.

Alyssum, Giant Double; Lantanas, 10 named varieties; Coleus, 15 named varieties; Hardy Ivy; Ageratum, Stella Gurney and Dwarf White; Salvia Bonfire, 2½ inch pots, $2 00 a 100.

Asparagus Plumosus Nanus 4 in. pots, $10 a 100

Cash with order.

R. VINCENT, JR. & SON, White Marsh, Md.

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EXPRESS PREPAID on all Rooted Cuttings.



Verbenas ready Dec. 5th. 40 best mammoth vars. 60c. per 100, $5 per 1000.

Alternantheras, Red and Yellow, 60c. per 100; $5. per 1000.

Ageratums, 4 best vars.; 60-75c. per 100; $5 to $6 per 1000.

Heliotropes, 10 best varieties, $1 per 100; $8 per 1000.

Daisies, 2 best var. $1.40 a 100, $8 00 a 1000.

Send for our new list; it will save you money. Write for prices on larger lots.

C. HUMFELD, Clay Center, Kansas.

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ROOTED CUTTINGS

By Mail. Per 100

Double Fringed Petunias, 50 varieties, Dreer's, Henderson's and Giant of California	$1 25
Petunia Grandiflora, single	1 25
Strobilanthes Dyerianus	1 25
Ageratum, Princess Pauline, Blue Perfection and Blanche	75
Cuphea (Segar Plants)	75
Fuchsias, 20 varieties	1 25
Ivy Geraniums, 12 varieties	1 50
Gazania Splendens	1 50
Abutilons, 4 varieties	1 50
Heliotropes, 18 varieties, transplanted into soil and sure to grow	1 00

Cyclamen Giganteum

4 colors, 4 inch pots, $8.00 per 100; 5 inch pots, $5.00 per 100. Choicest strain, finely marbled, well set and in splendid condition.

Mimra Germanium, 3 inch, $3 00 per 100.

Cyperus Alternifolius, 3 in., fine, 5 to 8 stems, $5.00 per 100.

Not less than 5 of a variety to rooted cuttings. Cash with order, please.

GEORGE J. HUGHES, Berlin, N. J.

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VERBENAS

UNEQUALLED VARIETIES, VIGOROUS STOCK.

	100	1000
Best Mammoths, strong pot plants	$3 00	$25.00
" " rooted cuttings	1.00	8.00
Older " " "	.75	6.00
" " strong pot plants	2.50	20.00

ROOTED GERANIUMS CUTTINGS

Double and Single, and Ivy Leaf Varieties. Fine collection $2 00 per 100; $15 00 per 1000. Strong pot plants 3 00 " 25.00 "

CYCLAMEN GIGANTEUM

From 3 inch pots in bud $8 00 per 100.
" 3½ " " " 10.00 "

MISCELLANEOUS.

	100	1000
Ageratum, Cope's Pet and White Cap	$1.00	$8 00
" P Pauline and Stella Gurney	1.25	10.00
Coleus, best bedding and fancy sorts	1.00	8.00
Cuphea, Platycentera	1.25	10.00
Fuchsia, double and single	2 00	15 00
Feverfew	1.50	12 00
Heliotrope, light and dark	1.25	10.00
Impatiens Sultani	2 00	
Ivy, German	1.50	
Moon Vines, true white	2 00	15.00
Salvias, Splendens, Bedman, etc	1 25	10.00
Smilax, strong plants	2.50	20.00

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing.

Boston.

Trade Notes.

Business is now somewhat quiet again after the rush of Thanksgiving Day. Friday and Saturday last stock was very short, and the values reached on Thursday were maintained on what little was obtainable; but good bright weather Saturday and Sunday improved the supply on Monday, and prices began to totter at once. Since then, however, the weather has changed to dull days with rain or snow; the supply has not increased materially and the prices of Monday, which were lower than those of Wednesday and Thursday last week, have held out up to present writing (Wednesday, December 5).

In roses American Beauty do fairly well, the extra grades going at $6 per dozen, with smaller sizes down to $1 per dozen and less. Bride and Bridesmaid have improved in quality, but as yet are hardly up to the standard for this season generally. Kaiserin are not as good as Bride, and Carnot of good quality are scarce, selling well at $12.50 to $16 for extra stock. Red roses are short.

Carnations are now more plentiful. Fancy grades of ordinary varieties make $2.50 and $3 per 100, a few special fancies reaching $4; but the general run is from $2 to $2.50, with poorer grades at $1 and $1.50 per 100.

Chrysanthemums were pretty well cut out last week. There are still, however, a few good flowers on the market, which range in price from $1 to $1.50 per dozen, except for fancy and special grades, the former making $1.75 and $2 for fine stock, and the specials, which must be extra fine, as high as $2.50 per dozen.

Violets continue short and good stock sells without trouble at good figures. A few extras make $1.25, but this class of stock is scarce. Valley is in good supply, and does well at from $3 to $4 per 100. Harrisii lilies find more or less of a steady demand at $8 to $12.50 per 100. Paper Whites and Romans are becoming very plentiful. Mignonette of good quality sells well at $2.50 to $3 per 100.

Round About.

R. & J. Farquhar & Co. are now busy fitting up their new store on South Market Street. They have taken a whole building, comprising six large floors, which will increase their space greatly. The ground floor is nearly ready and will be devoted to the every-day needs of their customers, while the offices will occupy no little part of the second floor. The third and fourth floors will be devoted to flower and vegetable seeds, and the fifth to grass seeds; while the upper one will be found useful for the heavy line of supplies always carried.

N. F. McCarthy and William F. Malloy have been gone for about ten days on a trip South, in the vicinity of Norfolk, Va.

Freeman & Fletcher, of Auburndale, have opened a retail store at 212 Moody Street, Waltham, Mass.

Sutherland is receiving daily shipments of some very fine fancy carnations and extra fine Camphell violets.

Welch Bros. are handling some high-grade roses. Beauty, Bride, and Bridesmaid are excellent.

Elisha N. Peirce, of E. N. Peirce & Sons, was elected alderman at the city election in Waltham on Tuesday of last week.

The sixth annual reunion of the employees of Joseph Breck & Sons, which was held on Tuesday evening at the American House, took the form of a dinner and dance. The employers were represented by E. L. Hatch, the general manager, and Archibald Smith, manager of the seed department. After the dinner and the subsequent speech-making, dancing was indulged in, the floor being under the direction of Albert Wearner. About 150 persons were present.

Wm. A. Bock will have a fine lot of azaleas and Chinese primroses in flower for the Christmas trade, besides his usual large collection of palms, ferns, etc. The Boston fern is in excellent condition.

Henry M. Robinson & Co. are now very busy preparing for the holiday business in greens, and anticipate a larger and finer stock of all kinds of goods than ever before offered in their line.

E. N. Peirce & Sons will have a fine lot of azaleas in flower for Christmas. They are now bringing in some Simon Mardner, dark pink, and Denteche Perle, white, which are finely flowered for this season.

Thomas Roland's Gloire de Lorraine begonias are very fine, and together with a nice lot of cyclamen in five-inch pots and six-inch pans, should prove good sellers for Christmas. F. J. N.

CYPRESS



Green House Material

Hot Bed Sash. Red Cedar Posts.

Write for circulars or estimate.

LOCKLAND LUMBER CO.,
LOCKLAND, OHIO.

Mention the Florists' Exchange when writing.

Newport, R. I.

Officers Elected.

The election of officers by the Newport Horticultural Society took place on the 28th ult. About sixty members were present. The annual reports read show the society to be in a highly prosperous condition, with a total membership of 230. The prospect for effective work is good. It was voted to change the nights for meetings from the second and fourth Wednesday evenings in each month to the first and third Wednesday. Votes of thanks were passed to the retiring officers.

The society is to be congratulated on its choice of officers and committees. Richard Gardner, the new president, is well entitled to the honor, being one of the six gentlemen who founded the society 11 years ago. He has held the office of treasurer for the past ten years. Andrew K. McMahon, the new treasurer, has also been identified with the society almost from its inception.

Officers elected were: President, Richard Gardner; first vice-president, Charles D. Stark; second vice-president, Louis Ziegler; recording secretary, Thomas Fieldhouse; financial secretary, Andrew S. Meikle; treasurer, Andrew K. McMahon. Executive Committee—Richard Gardner, Thomas Fieldhouse, Andrew S. Meikle, Andrew K. McMahon, Robert Laurie, Jas. McLeish, Robert Johnston, Arthur Griffin, Bruce Butterton, Jas. Boyd, Benjamin F. Tanner and Charles D. Stark. Auditing Committee—Thatcher Bowler, W. H. Wolcott and Louis Shantsler.

Rose Sports.

One of our gardeners has a pink sport from the rose Liberty, also a pink sport from American Beauty. The latter is almost identical with the Queen of Edgely. MAC.

Orange, N. J.

The regular meeting of the New Jersey Floricultural Society occurred Wednesday, December 5. The annual election of officers resulted as follows: President, John Hayes; vice-president, Diederich Kindsgrab; secretary, George Smith; treasurer, Malcolm MacRorie. John McGowan and David Christie were elected to active membership, and Austin Colgate was made an associate member. The annual dinner will occur the second week in January, the exact date to be fixed by the Executive Committee.

J. B. D.

Worcester, Mass.

The annual meeting of the Worcester County Agricultural Society was held at Horticultural Hall, Tuesday, November 27. Henry S. Stockwell, of Sutton, was elected president, E. P. Curtis and F. L. Chamberlain, vice-presidents. This society is in a flourishing condition. It owns 46 acres, well fitted up for fairs, with all bills paid, and $45,000 surplus. There will probably be a large fair held September, 1901.

There has been no chrysanthemum show held here this Fall. Some fine flowers have been grown, and found a ready sale. J.

NEW TAGS Long's AND LABELS

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METEOR ROSE DESIGNED FOR FLOWERS.
GERANIUM IN FLOWER; FOR PLANTS.

NATURAL EFFECTS IN NATURAL COLORS.

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Effective in appearance to a degree that is surprising, and cheap enough for any one.
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Cincinnati.

Trade News.

Thanksgiving trade was all that we could desire, plenty of stock and of very good quality. Prices were not advanced much. The outlook for Christmas in some lines is good; especially is this true of bulbous stock, Paper White narcissus, Roman hyacinths, and lily of the valley; also violets. Carnations will be a little scarce, as will roses. At this writing the latter are coming in lively, and I am afraid that by the time we want them for Christmas they will be hard to obtain. Chrysanthemums are still in evidence, and the best fetch $1.75 per dozen.

Jottings.

Thomas Windram left December 8 for a few weeks' hunting in Indian Territory.

R. Witterstaetter is busy getting his carnations in shape for the coming shows.

The first carnation meeting of the Cincinnati Florists' Society occurs Saturday, December 8. We look for a fine display.

Thrips seems to be getting in its work on Ethel Crocker in this section and is telling badly on the plants. Genevieve Lord is looking fine and will be right for the holidays. This variety is certainly doing all the introducers said it would.

Fred Gear has given notice of his removal to his new store at 1113 Vine Street on or about February 1.

Martin Renkauf, of Bayersdorfer & Co., Philadelphia, was here this week.

E. G. GILLETT.

NOW IS THE TIME TO BUY

CANE STAKES

8 to 10 feet long,
$5.00 per 1000; 5000 for $20.00.
We are headquarters for Galvanized and Dowel Stakes.

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WHOLESALE PRICE LIST OF SEEDS, BULBS &c. ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS

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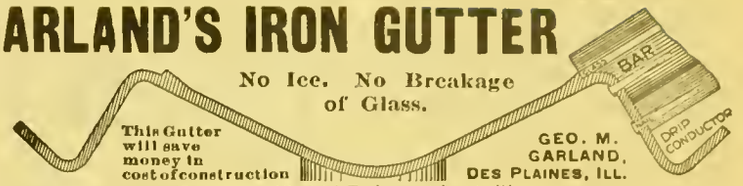
GARLAND'S IRON GUTTER



No Ice. No Breakage of Glass.

This Gutter will save money in cost of construction

GEO. M. GARLAND, DES PLAINES, ILL.

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INVESTIGATE FOR YOURSELF.

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Steam and Hot Water **HEATING**

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ANY LENGTH UP TO 32 FEET OR LONGER



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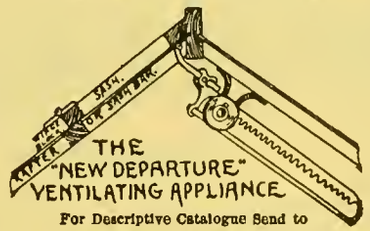
GOOD SASH LIFT

For a Very Little Money Get



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Standard Ventilating Machine

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STRENGTH, DURABILITY and NEATNESS.

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Mention this paper.

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Lehman's Wagon Heaters

Will protect Plants from freezing in the coldest weather at the cost of one-half cent per hour.

NO DANGER OF FIRE.

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NO ODOR. NO SMOKE. NO DIRT.



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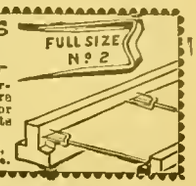

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Umbrella Plants, 3 in. pots, $5.00 per 100
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For DEEP WOOD BOWLS

FOR MANUFACTURING
RUSTIC HANGING BASKETS
INQUIRE OF
EDWIN B. EASTMAN, Mfr., Littleville, Mass., or of
H. KORNARRENS, 111 Murray St., N. Y. City.
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MAKE PERFECT WREATHS
BY USING
Meyer Green Silkaline
JOHN C. MEYER & CO., 84 Kingston St., Boston, Mass
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SIGMUND GELLER,

Importer, Jobber and Manufacturer of
FLORISTS' SUPPLIES
Telephone, 1747 A, Madison Square.
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CHRISTMAS

Don't Wait! Don't Stop!
Send NOW to

H. BAYERSDORFER & CO.

50, 52, 54, 56 N. Fourth St., PHILADELPHIA

Your orders for **CHRISTMAS. UNEXCELLED selections, always original. Stock bright** and **fresh.** Too numerous to enumerate or mention here. **METAL DESIGNS**—Wreaths, Pillows, Gates Ajar, Harps, Lyres, etc. **IMMORTELLES.** Fine large **CAPE FLOWERS,** white and all colors. Our well-known **WHEAT SHEAVES,** unsurpassed as to quality and workmanship. **CYCAS LEAVES, CYCAS WREATHS, ARTIFICIAL FLOWERS,** crystallized wax, etc., etc.

Absolute Satisfaction is Our Motto

As the **oldest, largest** and **most experienced** house in our line, we have our **REPUTATION.**

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Fresh Crop.
All Colors.

Cape Flowers, Moss Wreaths, Metal Wreaths, Best selected **Holly** and **Bouquet Green, Southern Smilax, Palm Leaves, Needle Pines.** Prompt attention to all orders. Reasonable prices.

L. J. KRESHOVER, 112 W. 27th St., or 173 Greenwich St., New York.
Telephone, 597 Madison Square.
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IMPORTER AND DEALER IN
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Telephone, 1837 Madison Square.
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TRIANGULAR



STRENGTH. DURABILITY.
LIGHTNESS. POSTAGE SAVER.

The Triangular Tube is the result of a large and varied experience in the manufacture and sale of devices for mailing and expressing. It is adapted for enclosing Plants and Cuttings, Cut Flowers, Bulbs, and for an infinite variety of uses.
This Tube is made to any size required, and a variety of styles.
It can be shipped flat, with flap gummed ready for sealing; occupying very little space, and convenient for addressing.
Furnished with or without extension paper ends for tucking in. Making a secure package, easy of examination. Ordinarily paper ends are not required; the triangle **holds** the contents much firmer than the round tube. In using this device there is **absolute** security against injury, both in **transit** and in **removal** of contents. It is **positively** many times stronger than **any** other device on the market. **A trial is all we ask.**

E. H. CALLAHAN & CO., 9 North Moore St., New York.
Manufacturers of **Mailing devices made from Corrugated Board.**
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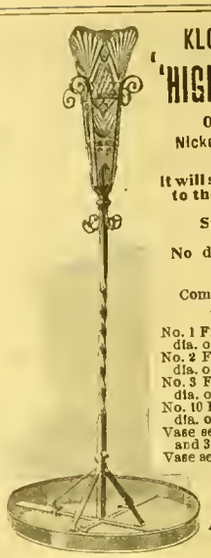

KLOKNER'S PATENT
"HIGH VASE FLAT"
Oxidized Copper, Nickel, or Brass Finish.

It will show up your flowers to their best advantage.

Speaks for itself.

No decorator should be without it.

Complete with glass vase.

Prices	Each
No. 1 Frame 25 in. high, dia. of pan, 11¾ in.	$4.00
No. 2 Frame 27 in. high, dia. of pan, 13 in.	4.25
No. 3 Frame 30 in. high, dia. of pan, 13¾ in.	4.50
No. 10 Frame 61 in. high, dia. of pan, 20 in.	10.00
Vase separate to No. 1, 2, and 3	.50
Vase separate to No. 10	1.00

ADDRESS
A. KLOKNER,
MILWAUKEE, WIS.
Mention the Florists' Exchange when writing.

CLEARY & CO.,

Horticultural Auctioneers,
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GEORGE RIPPERGER,
SHEEP MANURE

I have now on hand a large quantity of A1 SHEEP MANURE.
Send for PRICE LIST and SAMPLE
Best Fertilizer for Top Dressing.
Office, 207 Academy St., Factory, Seventh St., LONG ISLAND CITY.
Mention the Florists' Exchange when writing

PALM FIBRE

Large consignment just received.
PRICE ON APPLICATION.
SUZUKI & IIDA, 11 Barclay St., New York.
Mention the Florists' Exchange when writing.

FRUIT AND FLOWER PLATES

Seed Packets and Supplies of all kinds for
NURSERYMEN, FLORISTS and SEEDSMEN
SEND FOR PRICE LIST.
Stock Cuts, 10c. per square inch. Engraving by all processes. Printing and lithographing.
Illustrated Catalogues a Specialty.
VREDENBURG & CO., - Rochester, N. Y.
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The Jennings Improved Pans

For vaporizing Tobacco Water and Tobacco Extracts.
Made for any sized steam pipe.
Write for price, also circular.
JENNINGS BROS., Olney, Phila., Pa.
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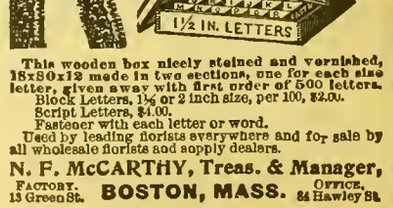
BOSTON FLORIST LETTER CO.

Manufacturers of FLORISTS' LETTERS.



Dimensions of this box, 22 in. long by 18 in. wide and 12 in. high. 2 sections.

This wooden box nicely stained and varnished, 18x30x12 made in two sections, one for each size letter, given away with first order of 500 letters.
Block Letters, 1½ or 2 inch size, per 100, $2.00.
Script Letters, $4.00.
Fastener with each letter or word.
Used by leading florists everywhere and for sale by all wholesale florists and supply dealers.
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FACTORY, 13 Green St. BOSTON, MASS. OFFICE, 84 Hawley St.
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THE FLORISTS' EXCHANGE

We are a straight shoot and aim to grow into a vigorous plant.

A WEEKLY MEDIUM OF INTERCHANGE FOR FLORISTS, NURSERYMEN, SEEDSMEN AND THE TRADE IN GENERAL.

Vol. XII. No. 50. NEW YORK, DECEMBER 15, 1900. One Dollar Per Year.

HAVING SECURED A LARGE BLOCK OF .....THE STOCK OF.....

The Sensational New Chrysanthemum

TIMOTHY EATON

We are now ready to book orders for it for Spring delivery. There is sure to be a big demand for it. **Every one will want it.** In order to ensure earliest deliveries **order at once.** Orders filled strictly in rotation as received, beginning April 1st, 1901.

50 cts. each. $5.00 per doz. $30.00 per 100.

Last Season we sent out **COL. D. APPLETON**

which has proved to be the finest yellow chrysanthemum ever introduced. We are now booking orders for this for Spring delivery at **$8.00 per 100.**

Let us book your order at once, while you have the matter in mind, for such quantity as you can use. Plants will be forwarded as soon as Spring propagations are ready.

F. R. PIERSON CO., Tarrytown-on-Hudson, N.Y.

Mention the Florists' Exchange when writing.

POT-GROWN SHRUBS
FOR EARLY FORCING.

First large shipment just to hand, in perfect condition and ready for forcing on. Most of them will flower in 21 to 24 days in a high temperature.

LILACS { **MARY LEGRAYE,** pure white flowers. **CHARLES X,** Dark Lilac. **MME. LEMOINE,** Double White Lilac.

Each, large plants, many branches and buds, 6 inch pots, 75 cts. each; $6.00 per doz.; $45.00 per 100.

DEUTZIA { **LEMOINE,** considered superior to Gracilis and forces equally well. **GRACILIS,** well known white flowering shrub.

Each, extra fine pot-grown plants, 6 in. pots, 25c. ea.; $2.50 per doz.; $17.50 per 100.

HYDRANGEA HORTENSIS.

CYANOCLADA, good forcing variety. **TRICOLOR,** variegated foliage.
Each, large bushy plant, with 8 to 12 buds ready for 10 inch pots, 50 cts. each; $5.00 per doz.; $40.00 per 100.

LOW BUDDED H. P. ROSES.

2-YEAR-OLD SELECTED PLANTS, all the leading varieties, now ready for delivery. Bundle of 10 plants for $1.25; $11.00 per 100.

Hybrid Tea and Other Dormant Roses.

LOW BUDDED. TWO-YEAR-OLD.

CLOTHILDE SOUPERT, PRESIDENT CARNOT, MALMAISON, GLOIRE LYONNAISE, $1.75 for 10; $13.00 per 100.
HERMOSA, GLOIRE DE DIJON, $1.50 for 10; $13.00 per 100.

LILY OF THE VALLEY PIPS, best grades, 2-yr-old, $10.00 per 1000.

CLUCAS & BODDINGTON CO.,

342 West 14th Street, New York City.
Telephone, 461 18th.
Importers, Exporters and Growers' Agts. of SEEDS, BULBS and PLANTS.

Mention the Florists' Exchange when writing

FOR CHRISTMAS

Asparagus Plumosus Nanus

Cut Strings, 50 cts.

8 to 10 feet long.

W. H. ELLIOTT, Brighton, Mass.

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Christmas Specialty

Begonia--Gloire de Lorraine

The Leading Christmas Plant of the Century.

In all sizes—5 in. and 6 in. pots and 6 in. and 8 in. pans. 75 cts., $1 00, $1.50, $2.00, and $3.00 Each.

All fine specimen plants covered with bloom.

Our Special $1.00 size in 5 inch pots, of which we have several thousands, is being largely used for decorative purposes with general satisfaction. Combined with Adiantum Farleyense or Cuneatum, it produces a brilliant, warm, rich color effect secured by no other decorative scheme.

Remember, we have two large houses filled with specimen plants of Lorraine, and can fill all orders promptly.

See our Advt. on Page 1197, last issue.

THE COTTAGE GARDENS, QUEENS, L. I.

Mention the Florists' Exchange when writing.

SOMETHING FELL
LISTEN



SPIRÆA JAPONICA—Cases, 225 clumps, $5. COMPACTA MULTIFLORA. Cases, 200 clumps, $7.00.

LILY OF THE VALLEY
3-YEAR-OLD PIPS—1000, $10.00.
PERFECTION PIPS—1000, $14.00.

HOLLY, Red Berried Excellent condition Case, $4.00.

WILD SMILAX 25 lbs. to case, $5.00.

IMMORTELLES

	Dozen
Red	$3 00
Purple	3 00
White	3 00
Yellow	2 50

WILLIAM ELLIOTT & SONS, NEW YORK.

Mention the Florists' Exchange when writing.

HOLLY

We guarantee every case of Holly we send out to be well-berried and green. If our Holly is not all we claim it to be your money will be refunded. Our prices are:

Per Case, $5; per 2 Cases, $9; per 5 Cases or More, $4 per Case.

Immortelles Red, pink, purple, white, blue, orange and berry. Red, 30c. per bunch; $3 00 per dozen bunches. Yellow, $2.50 per dozen.

Violet Handkerchiefs White, 75c. per dozen.

Bundle Moss 90c. per dozen; $9.00 per gross

Cape Flowers 2d quality, 75c. per lb; 1st quality, $1.00 per lb.; extra quality, $1.25 per lb. Colored, $1.50 per lb. (Samples of Cape Flowers mailed free.)

Milk Weeds (or Pompons). White, per 100, 90c.; per 1000, $7.00. Colored, per 100, $1.25; per 1000, $12.00.

Tinfoil Plain, per 5 lbs., 60c.; per 25 lbs., $2 50. Violet Fancy, per lb., 50c.

Florists' Wire, Chenille, Toothpicks, Hartford and Maiden Hair Ferns, Galax Leaves, Wild Smilax, Sheaves, Doves, Vases, etc.

STUMPP & WALTER CO., 50 Barclay St., New York.

Mention the Florists' Exchange when writing.

CYCLAMEN PERSICUM!

Giant, Williams' fine mixed. 100 seed, 50c.; ¼ oz., $3.

PANSY Madame Perret, as usual; Cecile Davy, trade pkt., 25c.; oz., $4.00; the twentieth century pansies.

FORCING RADISH. lb., 50 cents.

CAULIFLOWER, Erfurt best Danish, seed, oz, $2 50.

BEAULIEU, Walker and Belmont Aves. **Woodhaven, N. Y.**

Mention the Florists' Exchange when writing

CALADIUMS
FANCY-LEAVED.

Ready in December a choice collection of named varieties, dry bulbs, as follows:

¾ to 1 in. diam ....$3.75 per 100; $30.00 per 1000
Over 1 to 2 in. diam. 5.00 " 45.00 "
Over 2 to 3 in. diam. 12.00 "

PHRYNIUM VARIEGATUM
Elegant foliage plant, green and white, dry tubers, $4.00 per 100; $25.00 per 1000.

THE JESSAMINE GARDENS, Jessamine, Fla.

Mention the Florists' Exchange when writing.

ESTABLISHED 1802

THORBURN'S SEEDS

SURPLUS AT REDUCED PRICES.

LILIUM LONGIFLORUM JAPAN
6 to 8 inches ..... $24.00 per 1000
7 to 9 " ..... $34.00 "

LILY OF THE VALLEY PIPS
Largest and finest in the world.
Either Berlin or Hamburg, $10.00 per 1000.
In case lots (3000 in case), 9.00 per 1000.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

Mention the Florists' Exchange when writing.

EXTRA CHOICE FLOWER SEEDS.
List free on application.
FRED. ROEMER, SEED GROWER,
Quedlinghurg, Germany.

Mention the Florists' Exchange when writing.

PALM SEEDS
Fresh on Hand.

	Per 100	1000	5000
Chamærops Excelsa (in 10 lb. lots at 30c.) per lb.,			40c.
Washingtonia Robusta		"	75c.
Erythea Edulis (Brahea Edulis)	.50c.	$4.00	$18 00
Phœnix Canariensis	50c.	2 00	
Phœnix Reclinata	.25c.	$2.00	8.75

GERMAIN SEED & PLANT CO., Los Angeles, Cal.

Mention the Florists' Exchange when writing

WE HAVE SURPLUS

PEAS	ONION	CABBAGE	WATERMELON
BEANS	CARROT	CAULIFLOWER	MUSKMELON
CORN	LETTUCE	EGG PLANT	CUCUMBER
TOMATO	SPINACH	CELERY	PUMPKIN
OKRA	PEPPER	ENDIVE	SQUASH

SEND US A LIST OF YOUR NEEDS.

I. H. THOMPSON SEED CO., Houston, Texas.

OLD STOCK MUST GO THIS WEEK

NARCISSUS.
In mixture of finest forcing sorts, Polyanthus, single, double, and Trumpets, 50 cts. per 100; $4.00 per 1000.

TULIPS.
Single Cryselors, Duke v. Thol, rose and yellow, Cottage Maid, D. de Parme, Joost v. Vondel, La Reine, Mon Tresor, Rose Gris de Lin, Standard Silver, Pottebakker, yellow, Rose Huykman, Yellow Prince, finest Parrots, 60 cts. per 100; $5 00 per 1000, ANY SORT. Double Duke of York, Gloria Solis, Imp. Rubrum, La Candeur, Rose Blanche, any sort, 60c. per 100; $5.00 per 1000. 10,000, our choice of these sorts, single or double, $45.00. This is a chance.

ANEMONE, single, double or fulgens, 50 cts. per 100; $4.00 per 1000.

CALLA, SPOTTED, 50 cts. per doz.; $3.00 per 100.

MAKE A BID ON
LILIUM LONGIFLORUM 5-7 and 7-9. No reasonable offer refused this week. We want to close out.

CYCLAMEN PERSICUM GIGANTEUM—
In 6 separate sorts, 12, $1.00; 100, $7.00.
All bulbs, 25 at 100; 250 at 1000 rates.

....READY NOW....

TREE PÆONIES In pure white, rose, red and variegated. Should be planted now in pots. Command high prices for Easter bloom. If desired special directions will be given to insure best success. We offer fine stock, per plant, 65 cts.; per doz., $6.00; 25 plants, $10 00.

TUBEROUS ROOTED BEGONIAS, single flowering, in white, rose, scarlet, red, yellow and orange.	Doz.	100
1st size bulbs, 1½-2 inch diameter	$0.50	$2 25
2d " " 1-1½ " "	.40	2.25
Double flowering, in separate colors—		
1st size	.75	5.00
2d "	.60	4.50

GLOXINIA CRASSIFOLIA ERECTA—
Large bulbs ..... doz., 50 cts.; 100, $3.00
Separate colors ..... doz., 50 " 100, 4.00

GLADIOLI, early growing Bone fide Peerless Mixture, 50 per cent. white and light, 100, $1.25; 1000, $10.00.

The favorite forcer Gladioli "May," large bulbs, true, 100, $2 25; 1000, $20.00. 25 at 100, 250 at 1000 rates.

SEASONABLE SEEDS—December-January. FRESH CROPS.

ASPARAGUS PLUMOSUS NANUS— 100 seeds, $1.00; 1000 seeds, $9.00; 10,000 seeds, $80.00.

ASPARAGUS SPRENGERI— 100 seeds, 50 cts.; 1000 seeds, $4.00; 10,000 seeds, $30.00.

SMILAX, pkt., 10 cts.; oz., 30 cts.; lb., $2.00.

LATANIA BORBONICA— 100 seeds, 40 cts.; 1000 seeds, $2.50; 10,000 seeds, $20.00.

SWEET PEA SEED Earliest standard forcing sorts, your choice, oz., 5 cts.; lb., 25 cts.

STOCKS, Large flowering dwarf, white, rose, blood red, light and dark blue, yellow, pkt., 10 cts.; oz., 25 cts; lb., $3.00.

PETUNIA, Single Calif. Giant, fringed, pkt., 25 cts. to 50 cts. Double large fringed, pkt., 50 cts to $1.00.

PANSY, Giant Exhibition, in separate colors or sorts, 1000 seeds, 25 cts; 5000 seeds, $1.00.

VERBENA MAMMOTH. California grown, pkt., 25 cts.; oz., $1.50.

AZALEA INDICA, extra fine standard sorts, 8-10, per 12, $3.00; 10-12, per 12, $4.50; 12-14, per 12, $6.00; 14-16, per 12, $7.50.

VALLEYS, XXX, per 100, $1.25; per 1000, $10.00

H. H. BERGER & CO., Established 1878. **47 Barclay St., New York.**

Mention the Florists' Exchange when writing.

WE NOW BOOK ORDERS
—FOR—

		Per 100
SPIRÆA	JAPONICA, large clumps,	$4.00
	COMPACTA, "	4.00
	ASTILBOIDES, "	4.00

TUBEROSES THE PEARL, 4 to 6 inch, per 1000, $5.00; 3 to 4 inch, $2.50 per 1000.

Net Cash With Order.

HULSEBOSCH BROS., Englewood, N. J.

Mention the Florists' Exchange when writing

100 per 100 Sure to Germinate

Because picked on receipt of order.

MUSA ENSETE, $7.50 per 1000 seeds.

SEAFORTHIA ELEGANS, $5.00 per 1000 seeds.

PHŒNIX CANARIENSIS, $2.50 per 1000 seeds.

All Postpaid.

Our 1900 list of SEEDS mailed free.

So. California Acclimatizing Association, Santa Barbara, Cal.

Mention the Florists' Exchange when writing.

1901 Specialties . . . .

Asters Daybreak, Purity and Branching Comet...

Cabbage Novelty . . .

20th Century Earlier than the Wakefield, as solid as Danish Ballhead. Write for prices and description. Half-tone cuts for catalogue purposes.

JAMES VICK'S SONS, ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

LAST CALL BARGAINS Must Be Sold

HYACINTHS Extra fine, to name, $65.00 per 1000 Best, in separate colors, $35.00 per 1000

10,000 CROCUS
In separate colors, $1.50 per 1000.

5000 CHINESE SACRED LILIES
$4.00 a mat of 120 bulbs.

JUST RECEIVED
A fine lot of
Crimson Rambler, H. P. Roses, Lilacs, Clematis, Deutzia, Hydrangea.
Write for prices to

F. W. O. SCHMITZ, Jersey City, N. J.

Mention the Florists' Exchange when writing.

XXX SEEDS

VERBENA GRANDIFLORA. The finest strain of Improved Giant Verbenas grown; largest flowers and best colors. Pkt., 800 seeds, mixed, 50 cts.

CYCLAMEN GIGANTEUM. The finest Giant-Flowering Varieties, mixed. 200 seeds, $1.00; half pkt., 50 cts.

PETUNIA DOUBLE FRINGED. The largest and finest Double Fringed and Mottled Petunias to be had. Trade pkt., 50 cts.

PHLOX DRUM. PUMILA COMPACTA. New, very dwarf, perfect beauties; grand for pots; compact and unique; nothing finer in Phloxes yet offered. Trade pkt., 20 cts.

CHINESE PRIMROSE. Finest strain grown, large flowering fringed; fifteen varieties' single and double, mixed. 500 seeds, $1.00; half pkt., 50 cts.

PANSY, FINEST GIANTS. The very choicest Mammoth Varieties, mixed. 3500 seeds, $1.00; half pkt., 50 cts.

CHOICE EXTRAS ADDED TO EVERY ORDER. CASH.

The Home of Primroses, **JOHN F. RUPP, Shiremanstown, Pa.**

Mention the Florists' Exchange when writing.

SPECIAL OFFER OF FERNS AND PALMS

MAIDEN HAIR FERNS (Cunnatum), fine stock, in 3 inch pots, at $8.00 per 100; 4½ inch pots, $10.00 per 100.

ASPARAGUS PLUMOSUS NANUS, fine thrifty plants, 3 in. pots, at $1.00 per doz.; $7.00 per 100.

ASPARAGUS SPRENGERI, 3 in. pots, at $6.00 per 100.

PHŒNIX CANARIENSIS, 3 ft. high, at $3.00 each.

PHŒNIX RECLINATA, 2 ft. high, at $1.50 each.

CYCAS REVOLUTA (Sago), 50c., 75c. and $1.00 each.

OTAHEITE ORANGE, choice plants, in 6 inch pots, at 75c. each.

JOHNSON & STOKES, Seedsmen, 217-219 Market St., PHILA., PA.

Mention the Florists' Exchange when writing.

MANETTI STOCKS $12.00 PER 1000.

Special Prices Given for Larger Quantity.

Russell's Cottage, Tennessee Belle, Felicite Perpetue, Very Strong. $5.00 per 100.

Send for Price List of Young Nursery Stock for Transplanting. **THE ELIZABETH NURSERY CO., Elizabeth, N. J.**

Mention the Florists' Exchange when writing.



AMERICAN SEED TRADE ASSOCIATION.

ALBERT McCULLOUGH, Cincinnati, O., President; F. W. BOLGIANO, First Vice-President; S. G. COURTEEN, Milwaukee, Wis., Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. BOX 1697, New York.

Hamilton, Ont.—Notice has been given of the formation of the Robert Evans Seed Company, Limited, with a capital of $50,000, head office in Hamilton, to take over the stock in trade, good-will and assets of the late firm of Robert Evans & Co., of Hamilton. The provisional directors of the new company are Richard C. Steele and Sylvester E. Briggs, the well-known seedsmen of Toronto, and James W. Hogg, of Hamilton.

Des Moines, Ia.—The employees of the Iowa Seed Company gave a party to the employees of the company's greenhouses and former employees December 1. A large gathering was present. The evening was pleasantly passed in listening to music rendered by Miss Madge Howell, songs by Mrs. Reinson and a recitation by Miss McNall. Toasts were extended by Messrs. Page, manager of the company; Reinson, foreman of the greenhouses; J. N. Albright, bookkeeper. John Hurtzneil, father of the president of the company, favored the assembly with a short story of his farm life when he was a young man in the old country.

A Valuable Iris.

The veteran Peter Barr sends us from Australia a newspaper clipping regarding a new iris, Painted Lady, exhibited at a flower show in Tatura, N. S. W., by Miss Love. Mr. Barr gives a description of the flower in the following terms: "An expert gave it as his opinion that no iris of so much refined beauty had ever before been seen in this or any other country. It belongs to the group commonly known as German iris. The flower is pure white and consists of three upright standards and three falls. Each of these petals are veined all over with rich rosy red. The pitcloid stigmas from under which runs the primrose beard are of the purest white; up the center of each runs a rosy red beam, terminating in a feathery, club-like knob. He estimates the value of the stock of this truly beautiful iris at £50, and congratulates Miss Love in having raised an iris worthy of world-wide fame."

Import and Export Statistics.

The dutiable imports of plants, trees, shrubs and vines amounted to $165,437 in October, 1900, against $121,349 in the same month of last year.

The free imports of seeds amounted in October, 1900, to $107,278, against $60,718, the value of the imports of October, 1899.

The dutiable imports of seed amounted to $40.159 in October, 1900, against $50,432 in October of the previous year.

The exports of seeds to other countries amounted to $1,591,430, in October, 1900, against $1,746,663, in the same month of 1899.

The countries to which the United States exported seeds were the United Kingdom, which received shipments to the value of $417,306 in October, 1900, against $514,359 in the same month of 1899.

Shipments to France amounted to $86,022 in October, 1900, against $67,782 in the same month last year.

Germany imported seed from the United States in October, 1900, to the value of $328,434, against $343,457 in October, 1899.

Exports to other European countries amounted to $650,725 in October, 1900, against $335,736 in October, 1899.

British North America received exports to the amount of $95,544 in October, 1900, against $481,287 in the same month of 1899.

European Notes.

In spite of the fact that rain has fallen for twenty-one days during November, your readers will learn with surprise that the watercourses are still comparatively dry, for the total rainfall in northern Europe has been less than two inches. Practically the same conditions prevail over the whole western section and the greater part of the midland, but it is only between Rome and Naples that floods have appeared. From every quarter comes the cry "we need sun." Capsicums, egg plants, the second crops of dwarf beans, with many other late ripening articles, are still green and full of moisture. The one sharp frost already reported arrested growth, but did not ripen, and the warm moisture makes matters worse. England has had only 25 hours of bright sunshine in 30 days, and many other parts of Europe have suffered almost as much, so that practical seedsmen on your side can easily understand any delays in delivery.

The absence of frost enables us to continue the work of transplanting turnips, rutabagas and mangels with fair success. Contrary to expectation, the plants of the latter are in much better condition than either of the two first named. Many lots of turnip are very sickly, particularly the yellow-fleshed varieties.

The demand for seeds continues exceptionally good, but supplies are lacking. An exception occurs in connection with the Giant Zittauer onion, of which the crop has proved a large one.

Market seeds show very little change except a sharp rise in the value of both white and brown mustard. The recent flutter in Alsyke clover has subsided and prices have dropped below the former level. In bird seeds a complete failure in the Indian crop of Inga (Rudbeckia) is reported, and only one very small parcel is left over from last year.

EUROPEAN SEEDS.

Worthy of Emulation.

Dean Alvord, the projector of Prospect Park South, Brooklyn, N. Y., has offered a series of cash prizes, aggregating $500, open to competition by the people of Brooklyn, with respect to the decoration of their home grounds. The division of the several prizes offered is as follows:

1. One hundred dollars for the grounds of detached residence showing greatest improvement between now and time of award, June 15, 1901.

2. One hundred dollars for the grounds of house standing in block showing greatest improvement between now and time of award, June 15, 1901.

3. Fifty dollars for best-kept plot 20 x 100 feet of house in block.

4. Fifty dollars for best-kept plot over 20 x 100 feet of house in block.

5. Fifty dollars for best-kept detached plot.

6. Fifty dollars for best window garden.

7. Fifty dollars for best back yard.

8. Fifty dollars for best method of concealing clothes poles from view.

The judges to be chosen will be among Brooklyn's representative citizens and will be qualified for their work.

The names and addresses of all those desiring to compete, giving the prizes for which they enter, should be sent to Mr. Alvord on or before February 1, 1901.

LILIUM AURATUM.

Sizes, 8-9 and 9-11 inch on hand.

Prices on Application.

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Mention the Florists' Exchange when writing.



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SEEDS FOR FORCING

TOMATOES, { Best of All, Lorillard, Frogmore Selected.

CUCUMBERS. MELONS.

SURE CROP MUSHROOM SPAWN, $8 per 100 lbs.

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CALLA BULBS DELIVERED.

1 to 1¼ inches,	$3.00 per 100;	$25 00 per 1000.	
¾ to 1 "	2 00 " "	17.00 " "	
⅝ to ¾ "	1.35 " "	11 50 " "	
Sets 1½ to 2"	0 60 " "	5.00 " "	

MRS. THEODOSIA B. SHEPHERD,

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SPECIAL OFFER!

BELOW WE OFFER SOME TEMPTING BARGAINS. TAKE ADVANTAGE OF THEM. THEY ARE MONEY-MAKERS.

Narcissus

	Per 100	1000
Von Sion	$0.80	$7.50
" Extra	1.25	12.00
Incomparable	.55	5.00
Alba Plena Odorata	.60	5.50
Paper White	.50	4.50
Grand Soliel d'Or	1.10	10.00
Gloriosa	1.20	10.50
Grand Monarch	1.10	10.50
Poeticus	.30	2.75
" Ornatus	.75	7.00
Single Mixed	.50	4.75
Freesia Refracta Alba, ⅝	.15	1.00
Allium Neapolitanum	.25	2.00
Spiræa Japonica	2.50	
" **Compacta Multiflora**	3.25	
" **Astilboides**	3.50	
Lilium Candidum	2.00	
Crocus, Blue, White, Striped	.15	1.25
Lily Valley, extra, 3-year, Berlin	1.10	10.00
Hamburg, 3-year	.90	8.75

Chinese Sacred Lily, basket (30), $1.00.

Fish Globes and Gold Fish at special low prices for Holidays. Write us.

Tin Foil, $8 50 per 100 lbs.

Hyacinths

	Per 100
Miniature Red, White and Blue	$1.25
White Roman, 12-15	1.00
Blue Roman	1.00
Named varieties, Blue and Red only	3.50
Red, White, Blue, colors separate, single or double	2.00

Tulips

SINGLE

	Per 100	1000
Artus	$0.55	$5.00
Belle Alliance	.90	8.00
Couleur Cardinal	1.25	11.00
Duc de Parma	.50	4.75
Joost Von Vondel	.90	8.00
La Reine	.90	8.50
Pottebakker, white	1.00	9.00
" scarlet	.80	7.50
Standard Silver	1.00	9.00
Vemillion Brilliant	1.75	16.00
Choice Mixed	.50	4.00

DOUBLE

Gloria Solis	.70	6 50
La Candeur	.70	6.50
Tournesol, red and yellow	1.25	12.00
Yellow Rose	.80	7.50
Choice Mixed	.55	4.50

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Subscribe before the New Year commences.

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Crimson, Yellow, White and Pink Ramblers; Magna Charter, Ulrich Brunner, Paul Neyron.
HARDY NURSERY STOCK.
HIRAM T. JONES, Union County Nurseries, **Elizabeth, N. J.**
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F. & F. NURSERIES SPRINGFIELD, NEW JERSEY.
Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.
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EAGLE PLUM EVERBEARING. Bears from June 17th to Aug. 28th—10 weeks. Neverfailing. Has borne 28 years in succession.
NEW HARDY EVERGREEN Nothing else like it. Handsomest ever offered.
Write for Descriptions and Prices of both the Above.
BAKER BROS., - FT. WORTH, TEXAS.
Mention the Florists' Exchange when writing.

ANDORRA NURSERIES
Red and Pin Oaks, 10 to 14 feet
Hemlocks, 4 to 6 feet
TRANSPLANTED SPECIMEN TREES.
WILLIAM WARNER HARPER, Prop., Chestnut Hill, Philadelphia, Pa.
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VEGETABLE PLANTS
CABBAGE A. Succession, Flat Dutch, Jersey and Charleston Wakefield, 15c. per 100; $1.00 per 1000; $8.50 per 10,000
LETTUCE Grand Rapids, Curled Simpson, Boston Market and other varieties, 15c. per 100; $1.00 per 1000; $8.50 per 10,000.
PARSLEY Good curled extra strong, 25c. per 100; $1.50 per 1000.
CAULIFLOWER H. Snowball, 35c. per 100; $2.50 per 1000.
If wanted by mail, add 10c. per 100 on Cabbage, Lettuce and Cauliflower 25c. per 100 on Parsley. Cash with order
R. VINCENT, JR. & SON, White Marsh, Md.
Mention the Florists' Exchange when writing.

HYDRANGEA OTAKSA
Magnificent Strong Stock, with 4 to 7 branches.
Price, $10.00 per 100; $85.00 per 1000.
Send for our wholesale Price List of Roses, Clematis, Shrubs, Trees, etc., etc.
Our representative, Mr. J. Austin Shaw, is now in New York, address 271 Broadway. We shall be pleased to have him call upon prospective purchasers of any stock in our line.
JACKSON & PERKINS CO., Newark, New York
Mention the Florists' Exchange when writing.

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1123 Summit Ave., Jersey City, N. J.
Just received from our Holland Nurseries
RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM,
PÆONIES, BLEEDING HEART,
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.
PRICES MODERATE.
Mention the Florists' Exchange when writing.
COMMERCIAL VIOLET CULTURE
PRICE, $1 50.

TREES. TREES.
Norway and Sugar Maple and Siberian Arbor Vitæ.
WM. J. CHINNICK, - Trenton, N. J.
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LETTUCE PLANTS
Fine, large, stocky plants, Big Boston, Boston Market, Tennis Ball, and others, $1.00 per 1000.
J. C. SCHMIDT, Bristol, Pa.
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NATIVE RHODODENDRON
RHODODENDRON MAXIMUM, fine shapely plants, with good roots in sizes ranging from 12 inches up to 5 feet high, foliage to the ground and well branched. Every plant a specimen.
PRICES ON APPLICATION.
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Our Descriptive Catalog of American seeds is just out. Ask for it.
Our Folder, "How to Make Tree Seeds Grow," free with every order.
PINEHURST NURSERIES, Pinehurst, N.C.
Otto Katzenstein, Mgr.
Mention the Florists' Exchange when writing.

KOSTER & CO.
Hollandia Nurseries, - BOSKOOP, HOLLAND.
Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Pæonies.
Pot-grown plants for forcing, Rhododendrons, H. P. Roses, etc.
No Agents. Catalogue free on demand. No Agents
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FRUIT and ORNAMENTAL TREES,
Shrubs, Vines and Roses
Write for price list or send your lists of wants for special prices.
W. & T. SMITH CO., Geneva, N. Y.
Mention the Florists' Exchange when writing.

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN.

THEODORE J. SMITH, Geneva, N. Y., President; N. W. HALE, Knoxville, Tenn., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

Thomas Schreiner, a well-known horticulturist of Troy township, Venango County, Pa., died December 6.

Plainfield, N. J.—W. H. Forestel has, says the New York Herald, received word that he is an heir to part of a fortune of $5,000,000, left in Australia by a bachelor granduncle who died several years ago.

Rochester, N. Y.—George Ellwanger, of Ellwanger & Barry, celebrated his eighty-fourth birthday on December 2 last by giving a dinner at the Genesee Valley Club, to the trustees of the Reynolds Library. At the dinner an original and exquisite poem, entitled "The Vespers of the Flowers," was read by Joseph O'Connor, literary editor of the *Post Express*.

Sowing Acorns, Hickories, etc.—The quickened demand for most all kinds of nursery stock has caused a perceptible diminution of many varieties, and in many nurseries propagation is the order of the day. In this line seed sowing occupies a prominent place, and just now the falling acorns, hickories and walnuts suggest a few lines concerning them. Acorns are of two kinds, one section requiring immediate sowing, the other sowing either in Autumn or Spring. In the first section are the white chestnut, chinquapin, obtusiloba, virens and rock chestnut. In the Northern States these drop from the trees in October, and as soon as they reach damp ground start to sprout. If gathered from the ground before they sprout they may be kept a short time, but only for a few weeks.

The rest of the sorts, as well as walnuts, hickories and sweet chestnuts, may be sown either in Autumn or Spring. If kept till Spring they must be in some building, so protected that they will not only not lose weight by drying, but rather gain it by absorption. There is no better way than to place them in barrels, mixed with fine, almost dry soil. From this material they will take up a little moisture, and when Spring comes will be in good condition for sowing. Treated in this way, full success usually follows.

Hardy Chrysanthemums.—The exhibits of hardy chrysanthemums seen at the various shows held in this vicinity this Fall have comprised altogether the pompon class. While these are undoubtedly the hardiest sorts, are they the only ones hardy? Is it generally known that many of the large flowered ones are hardy? At least, it is the case here. In many of the yards in Philadelphia Gloriosum has been familiar for years, and in my own garden, in a border along the base of a high board fence, Maud Dean and Mrs. Murdock have flourished for several years. The garden is well sheltered, otherwise the plants take the weather as it comes. I am sure many other sorts besides these would do as well.

Even if not as hardy as the pompons, almost any of the large flowering kinds would survive if covered with a few forest leaves, and what more beautiful sight could there be than that made by a collection of these plants in the Fall? As many sorts flower much earlier than others, it is better to select these for outdoor culture, to have the benefit of the flowers ere frost catches them. If the plants were grown where customers could see them, it is more than probable a great many would be called for for permanent planting.

Hardy Evergreen Fern.—Hardy ferns have been in great requisition of late, keeping pace with the general demand for all kinds of plants which the last year or two has witnessed. It is not my purpose now to mention a general list of these ferns, but observing today a fine specimen of the marginal shield fern, Aspidium marginale, leads me to call attention to it as certainly the best of the evergreen ferns of this vicinity. There are other evergreen species, notably Aspidium spinulosum, A. acrostichoides, and A. pinnatifidum, and Polypodium vulgare and the wulking fern, with a few others, but superior to all rises A. marginale. Good specimens of this species will have fronds two feet in length, all rising from a central circle, and waving gracefully outward, forming a nest, which would as well entitle it to the name "bird's nest" fern as the one which now claims it. The home of this fern is on moist, rocky places. Hereabouts it is rarely found on the level ground, but usually on rocks, in ravines, where the rotting leaves and moisture sustain it. Just now this fern is much in evidence in its native retreats, its handsome, large, green fronds rising from the lately fallen leaves of the forest trees. As many creeping or low-growing evergreens, such as Chimaphila maculata, Mitchella repens, Goodyera pubescens, Pyrola secunda and others, are well under the leaves, this noble fern is the only green-foliaged plant to be seen in many places. It adapts itself readily to garden culture when in suitable situations.

Outlook for the Nursery Business.—Continuing my remarks on the prospects of the nursery business, I will now speak of shrubs. The call for these has been even greater than that for trees. Landscape gardeners and park superintendents use them in such large quantities that hundreds and even thousands of one kind are often purchased by a single customer. As with trees, it is not altogether the slight advance in price that increases the dollars. It is the larger sales that does it. While the old favorites among shrubs, such as weigelas, mock oranges, spiræas, golden bells and the like are much called for, as they always will be, there is a marked increased demand for native shrubs of all kinds, including sorts by no means abundant in most collections. Of these there are the various azaleas, Baccharis halimifolia, Cænothus americanus, Comptonia asplenifolia, the different dogwoods, hazel, hawthorns in several species, Dirca palustris, Fothergilla alnifolia, witch hazel, hydrangeas, wax myrtle, Pyrus arbutifolia, the several sumachs, wild roses, Stuartia pentagyna, vaccinium and viburnums, to say nothing of the more common natives, such as the sweet shrub and the white fringe.

These shrubs are sold in small sizes. Well rooted, two years from cuttings, answers often, as growth is rapid and freights are low on such stock.

The nurseryman or florist who has a good local trade wants better stock than this for his customers. That of about three feet, young and fairly bushy, is the kind. This class of stock generally has to stand by itself, and it must make some appearance at once.

New places will take the well-known shrubs first, as they should do, for the fact of their being well known guarantees them merit. There is much more call for shrubs for Summer and Fall display than before. There are sorts to fill such requirements. If not flowers, there is fruit or foliage. The carefully gotten-up retail catalogues of the large nursery firms give almost all the desired informa-

CALIFORNIA PRIVET
A LARGE STOCK OF ONE YEAR OLD:

	Per 100	1000
12 to 15 inches, two or more branches	$1 50	$10 00
15 to 20 inches, three or more branches	1 75	12 00
18 to 24 inches, good	2 00	15 00

All No. 1 stock, well packed.
Also Small Fruit Plants, Fruit Trees, etc.
CHAS. BLACK, Hightstown, N. J.

Large Shrubs
Well assorted. Send for list.
SAMUEL C. MOON, Morrisville, Pa.
BUCKS CO.
Mention the Florists' Exchange when writing

HEADQUARTERS FOR FORCING PLANTS
REFER TO PREVIOUS ISSUES FOR PRICES AND KINDS.
BOBBINK & ATKINS, Rutherford, N. J.
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FOR CHRISTMAS DECORATION
XX and XXX CROWN BRAND HOLLY
THE BEST IN THE MARKET
Mention this paper.

Holly Trees with Berries, Aucuba Marmorata, Standard and Pyramidal Box, Cupressus, Retinospora and other Evergreens.
COLLECTION NOW ON EXHIBITION AT MY STORE.
C. H. JOOSTEN, Importer, 85 Dey Street, NEW YORK.

tion on these points, and it should not be difficult for one who has the planting of grounds to set out kinds from which interesting features will be displayed from one or the other the whole season through. Some there are, such as Pyrus arbutifolia, Photinia villosa, the various hawthorns and many viburnums, which give both handsome flowers in Spring and bright berries in the Fall. There is nothing like a few good specimens in one's own grounds to show customers what you recommend. Every day brings to the nurseryman those who are about to plant shrubs for the first time. But very few of these intending purchasers know one shrub from another. To be able to show a good specimen of what your salable plants represent, or even a photograph of them, will help make a sale. The sale of shrubs has been heavy this Autumn, and the indications are that Spring will find the nurseryman exceedingly busy.

Pruning Evergreen Hedges.

Editor Florists' Exchange.

I notice Mr. Ouwerkerk's answer in regard to the pruning of evergreen hedges. As many of your readers may forget what my advice was to which Mr. Onwerkerk evidently desires to object, may I ask you to kindly reprint it? This is it: "Inquiries are frequently made as to the proper time to prune evergreen hedges. The work of pruning should never be deferred till the approach of cold weather. The clipping of outside branches exposes the inner and weaker ones, which from their confined position have not been able to perfect themselves, and sudden exposure to freezing weather injures them. This is often seen when two evergreens are growing close together. Remove one of them and plant it apart, and where the branches had interlaced, injury will occur should sudden cold come. Pruning late in the season acts in the same way. The work should not be done later than a month at least in advance of freezing weather. Early Spring is a good time to prune an uneven evergreen hedge or one getting too large. But do not prune below live foliage, as it is difficult to induce evergreens to break afresh from old wood. This and another pruning in midsummer is usually sufficient, though where bushiness is much desired two Summer prunings may be given."

I may say now that I entirely stand by the advice there given. In reply to my article, Mr. Onwerkerk wrote you that my "remarks were wide of the mark," but after reading what he had to say I failed to see wherein he advised anything to the contrary. He now writes again, and I submit that he still fails to show any difference. In fact, he admits that he failed to see that August and September were meant by me, as he now does, in reference to the late Summer pruning. As to whether early Spring starts in April or May, it depends altogether on what place one has in mind. Last season the Rochester nurserymen would have been glad had it started at the close of March, instead of near the first of May. In this connection I was speaking of uneven hedges, or those of large size which required cutting back. As a matter of fact, our hedges require but little pruning at that time, having been properly pruned in late Summer.

Mr. Ouwerkerk tells us in his latest communication of one or two things he did not know, and I would suggest to him in all kindness that there are quite a number of things he does not know. For instance, he has spoken twice of waiting in Spring till growth starts, in order to see what *dead branches* to cut out of the hedge before pruning it. Will he excuse me suggesting further that the one who has a lot of dead branches to cut out of a hedge does not know how to prune it? Our gardeners do not expect nor do they find dead branches to cut out.

I would call his attention to his contradiction of himself in regard to the sudden exposure of weak inside shoots to cold. In his first letter he says: "Warm or cold weather has not much to do with it." In his last, "some do succumb to exposure to the cold." A great many do, Mr. Ouwerkerk.

I may also, for the benefit of your readers, refer to what Mr. Ouwerkerk says of the arborvitæ, viz., that it "can be cut at any length, as the old wood breaks easily." I would warn those having arborvitæ hedges not to be misled by this. The plants will break afresh, it is true, but it will be years before a good appearance will be made.

JOSEPH MEEHAN.

Indianapolis.

Trade for Thanksgiving was not altogether satisfactory. Business all through the month was slow and inactive. Chrysanthemums were plentiful, but mostly of poor quality. Prices ranged somewhat lower than last year. Shipped stock was not up to prices demanded. Carnations sold well; roses also, while violets were scarce, and more could have been disposed of. Good chrysanthemum plants could not be had; there seemed to be a demand for good, large plants.

The regular monthly meeting of the Florists' Association was held at the residence of Wm. Langstaff by invitation. Unfortunately the weather was very unfavorable for a large attendance. After the business of the meeting, those present were entertained in royal style by the host. Arrangements were made for the January meeting. A special committee was appointed to arrange for an extensive display of flowers and plants at the Horticultural Rooms in the State House. The committee was also instructed to have some kind of an entertainment in the evening.

Henry Geiger has started in the retail florist business at 39th and Cornelius Streets, with one house, 100x20 feet, shed and office.

The prospects for a good holiday trade are promising; stock generally is in good condition.

A movement is on foot among the principal retail merchants along several squares to make a uniform decoration along the streets; probably arches of green, with colored electric lights. The daily papers are also urging everybody to decorate. W. B.

New Brighton, Pa.

W. H. Elverson Pottery Co. has purchased from the Pittsburg Clay Mfg., Co. that portion of their business comprising flower pots, vases, hanging baskets, etc.

Toledo, O.

George F. Dixon has been removed to the infirmary suffering from sore throat and rheumatism. He came here about seven years ago from New York, and was employed by his uncle, C. N. Dixon.



Laurel Festooning,
Best in the market, 5 to 6c. per yard.
Telegraph Office: New Salem, Mass.
P. O. MILLINGTON, MASS
Mention the Florists' Exchange when writing.

VAUGHAN'S
XXX HOLLY
Every case reinspected by us. The highest standard for a dozen years. **TRY IT** for profit. New York or Chicago. Write or wire.
MISTLETOE, Very Choice, 25 lbs., $5.00

GALAX LEAVES For latest prices green and bronze Galax Leaves and Leucothoe, address the introducer, HARLAN P. KELSEY, Tremont Bldg., BOSTON, MASS.


HEADQUARTERS FOR
XMAS GREENS
LAUREL ROPING, good and full, 4 cts. to 6 cts. per yd.
LAUREL WREATHS, - $15.00 to $20.00 per 100.
EVERYTHING IN THE GREEN LINE.
Order Early from Headquarters and Don't Get Disappointed.
HENRY M. ROBINSON & CO. 32, 34, 36 Court Square, BOSTON, MASS.
Mention the Florists' Exchange when writing.

BABY CHRISTMAS TREES
Nursery-grown, well furnished
NORWAY SPRUCE
3 to 4 feet.....$25 00 per 100
4 to 5 feet..... 35.00 "
5 to 5½ feet..... 40.00 "
Baled, F. O. B., in lots of fifty or a hundred.
THE WM. H. MOON CO., Glenwood Nurseries, MORRISVILLE, PA.
Mention the Florists' Exchange when writing.

WILD SMILAX, GALAX LEAVES, FANCY FERNS, DAGGER FERNS
And all fresh green for decorating purposes. Also Prepared Sage and Palm Leaves, Plants, Etc. We guarantee the best goods that money can buy, and cheaper than any of our competitors. Prompt delivery guaranteed. Sub-contractors for Palm and Green decorations.
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Telephone, 1067 18th.


PALM LEAVES
Fresh Green, Large Size, Long Stems, $6.00 a 1000.
Needle Pines, 3-4 feet, Long Leaf, $5.00 a 100.
ALL F. O. B. NEW YORK.
Cash with order. Prompt shipments. Quick deliveries.
FLORIDA NATURAL PRODUCTS CO., Jacksonville, Fla.

SELECTED
GALAX LEAVES
No Trash.
CHAS. H. RICKSECKER, - Linville, N. C.
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GALAX LEAVES
Red and Green Galax, 45c. per 1000.
Leucothoe Sprays, $2.50 PER 1000.
Cash with first order. Seven years' experience. Special price to wholesalers.
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Stop Walking the Floor
You won't be disappointed if you place your orders for SOUTHERN WILD SMILAX with
Caldwell the Woodsman Co., Evergreen, Alabama,
or their agents—L. J. Krebhover, New York, J. B. Deamud Chicago; M. Bice & Co., Philadelphia; Vail Seed Co., Indianapolis. Our advice—wire your orders and go "sleep in peace." N. B.—We also sell some HOLLY.
Mention the Florists' Exchange when writing.

Delaware HOLLY
Of the best grade, from the swamps with bright green foliage and well berried. Orders will now be received for shipments, which will go forward freshly packed, at the proper time. For prices and terms address
ALEX. PULLEN, Milford Nurseries, Milford, Del.
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THE FLORISTS' EXCHANGE, $1.00 A YEAR.
Subscribe before the New Year commences.

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Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent, also Second-hand Materials.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED.

FLORIST, experienced, wishes position around New York, private or commercial. Florist, 524 10th Ave., New York

FLORIST, 28, wants posit on, good on carnations and spring stuff, vicinity of New York preferred. M. D 34 Pike St., New York.

SITUATION wanted by florist, German, 26, single, 12 years' experience in Europe and America at commercial and private places. C. G., care Florists' Exchange.

FIRST-CLASS maker-up and decorator wants change of situation; at present employed by a Fifth avenue florist; can produce best of references. C. E., care Florists' Exchange

FLORIST, maker-up and decorator wants change of situation, in city store or commercial place; can produce references. Pearson, 1892 Second Ave., New York

SITUATION wanted, experienced fruit and vegetable grower and florist; knowledge of caring for extensive growing and greenhouses, German, 28, references, private or commercial. Please state wages and particulars. C. H., care Florists' Exchange

SITUATION wanted for now or later by working foreman in commercial place, all-round man, German, 31 years of age, married, awarded several first prizes; can take full charge, good decorator. State particulars, wages, etc. Address A. Bieschke, 283 Classon Ave., Brooklyn, N. Y.

AN all-around, thorough and competent greenhouseman wants to change his present situation; well up in cut flowers and bedding plants; middle aged; married; German. Address B. W., care Florists' Exchange.

HELP WANTED.

WANTED—Florist, experienced in growing roses, carnations, violets, chrysanthemums and bedding plants; state wages and references. A. E. Fanchar, Binghamton, N. Y.

PARTNER—Wanted a first-class Seedsman with $8000 to $10,000, to buy a half interest in a first-class, well-established business. For particulars apply to C. D., care Florists' Exchange.

WANTED—A good rose grower as working foreman on a commercial place, must have some knowledge of carnations; good references required; married man preferred; wages $50 per month. Address C. J., care Florists' Exchange.

WANTED—Lady florist, with thorough knowledge of high-class floral work; must be Protestant and not over 30 years old. German or German-American ladies in good circumstances write at once. C. F., care Florists' Exchange

WANTED—EXPERIENCED ROSE grower; section man. Address S. J. Reuter, Westerly, R. I.

WANTED—ASSISTANT WITH good general experience in the seed, bulb and plant trade. Full particulars, references and wages expected to C. K., care Florists' Exchange.

MISCELLANEOUS WANTS.

WANTED to rent, place of from 5,000 to 10,000 feet of glass in good condition; vicinity New York City. Alfred H. Walker, Queens, N. Y.

WANTED to buy on easy terms or to lease with the privilege of buying a small retail florist business from 3,000 to 5,000 square feet of glass. Address B. Z., care Florists' Exchange.

Chicago.

State of Trade.

Business is somewhat uncertain, and hardly what it should be for the time of year; nor is it quite up to the standard of last year at this period. Prices are fairly well maintained at quotation rates.

In roses, Beauty are now good, and owing to increased plantings there is plenty of stock around. Meteor are none too plentiful. We want another good Winter red rose, a niche which Liberty, so far, does not fill, although later better things are expected of it. Fancy Bride and Bridesmaid as usual sell first.

The carnation market opened up this week with white the scarcest. The very best high-grade stock is not in yet, especially that with good long stems. The new varieties, perhaps owing to too weak cuttings, are not up to expectations.

Violets are far from plentiful, especially fancy stock. It is probable that much of this is sent direct to the largest retailers, hence does not appear in the open market.

Chrysanthemums are still in evidence. Fancy flowers, however, are now about over; the best bring $2 to $2.50. Chrysanthemums will hang on in this market until Christmas, but the demand is slower.

Poinsettias are showing up as Christmas approaches.

Club Meeting.

The regular meeting on December 7 was fairly well attended, as it was known that rose culture would be the topic discussed. George Collins, foreman for Peter Reinberg, talked about their new style of planting American Beauty, in the center benches only, while Paul Kopanka, with George Reinberg, treated the subject more generally. Both papers will be found in another column.

A communication from the Galveston florists was read, thanking the club for the money sent.

W. N. Rudd reported on the banquet held during the show week. Thanks in connection therewith were extended to E. C. Amling, M. Barker, O. P. Bassett, O. J. Freedman, J. B. Deamud, James Hartshorne, E. H. Hunt, Kennicott Bros. Co., A. Lange, McKellar & Winterson, George and Peter Reinberg, J. D. Thompson, Wieland & Risch, E. Wienhoeber and Wietor Bros. for contributions toward entertaining visiting florists.

A. G. Prince has closed the city salesroom of the Hinsdale Rose Co. and hereafter will act in the capacity of manager at the Hinsdale plant. The entire products of the two establishments of the Hinsdale Rose Co. and the large establishment of Henry Payne will henceforth be consigned to E. H. Hunt on commission.

Round About.

Joseph Reeves has opened a retail flower store at 55th Street and Washington Avenue.

E. G. Hill was in the city the past week with exhibits of the new roses Queen of Edgely, Marquis de Litta and Robert Scott. George Hoppe, of Hoppe & Lemke, was also here with two seedling roses from Testout and Bridesmaid, color pink, suggesting Carnot in make-up.

E. R. Tauch has withdrawn from the Harms Park Floral Co. The business will be continued under the old title by A. B. Everett and Louis Gregor.

We are happy to state that Mrs. C. L. Washburn is gaining in strength and has been removed to her home at Hinsdale.

Charles Wiffin, Desplaines, has added to his plant a new carnation house, 16 by 144 feet.

At Vaughan's seed store are seen some neat plants of the charming evergreen Biota aurea nana, also splendid specimens of Begonia Gloire de Lorraine.

The George Witthold Co. have a canopy decoration over the sidewalk in front of their Clark Street store, which Paul Blome looks after.

Fred Breitmeyer, of Detroit, and George L. Stiles, of Oklahoma, were visitors.

ESS.

MISCELLANEOUS WANTS.

WANTED—nursery foreman; a superintendent for one of the largest American nurseries, mainly ornamental; must be competent to handle labor and cultivation with great skill, and have a knowledge of trees, shrubs, etc., and most economic methods in nursery work; only a man of the highest ability wanted, and such a man can receive fine inducements. Address "Nursery," P. O. Box 2718, New York City.

WANTED—CARNATIONS, VIOLETS, Valley, and Bulbous Stock. Whatever good stock you have in the line of cut flowers, write us. We are the headquarters for the Brooklyn trade. All payments made weekly. Hicks & Crawbuck, Wholesale Commission Florists, 108 Livingston Street, Brooklyn.

BUSINESS OPPORTUNITIES.

FOUR greenhouses well stocked with pinks, smilax and plants; 16 miles from New York, bargain to the right man for cash. Address B. Y., care Florists' Exchange

FOR SALE or rent, two greenhouses, with or without residence, within six squares of Court House, no competition in cut flower growing; best chance in Ohio for right man. Address Mrs. M. E. Hover, Bellefontaine, Ohio.

FOR SALE—Greenhouse establishment of 40,000 feet of glass, 16 miles from Chicago, 75 trains a day on four railroads; houses built in 1891, heated by low-pressure steam, plant in perfect order; water supply from river; 5 houses of roses, 6 of carnations, 9 of miscellaneous stock, all in A1 condition. Thirteen acres fine land, or less if wanted, so located that side track can be put in cheaply. One and a half acres of peonies, some evergreens and shrubs. Terms reasonable. Correspondence and inspection invited. Address A. B., care Edgar Sanderson, 1639 Belmont Ave., Chicago, Ill.

POTTERY FOR SALE—A SACRIFICE—at Westside Ave., N. J., three miles from New York on C.R.R. of N.J. Especially adapted to making flower pots. Good local market and shipping facilities. C. Robotham, 1069 Broad st., Newark, N. J.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N.Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.

Mention the Florists' Exchange when writing.



New York.—The bowlers met on Monday afternoon; the following were the scores made:

	1	2	3
F. H. Traendly	180	177	188
T. Roehrs	146	168	152
L. C. Hafner	169	167	168
J. Donaldson	209	165	159
J. A. Shaw	146	163	140
T. J. Lang	190	184	167
A. S. Burns	157	151	153
G. Lescher	128	164	...
S. S. Butterfield	129	133	143
A. Herrington	91	98	96
J. A. Manda	131	139	188

New York vs. Flatbush.—A return match was played by these two clubs on Thursday night on the Flatbush alleys. The home team proved too strong for the visitors, winning by two out of the three games played. Each team has now scored a victory, and a third match will be in order after the holidays. There were many favorable comments upon the excellence of the alleys and the manner in which the Flatbush boys entertained the large crowd of visitors present. Separate alleys were at the disposal of the latter, where all had a good time. After the match a light lunch was served, while plenty of liquid refreshments and cigars were available throughout the evening. The scores made were as under:

NEW YORK.

	1	2	3
P. O'Mara	148	139	128
J. Thielmann	141	163	159
W. H. Siebrecht	130	132	117
L. C. Hafner	150	150	133
A. S. Burns	155	122	136
T. J. Lang	186	188	152
Totals	910	873	827

FLATBUSH.

	1	2	3
A. Zeller	143	144	131
L. Schmutz	111	148	140
T. J. Raynor	151	137	159
D. Y. Mellis	162	123	143
E. Dallednuze	152	162	178
P. Riley	142	160	131
Totals	867	894	900

The experts on the other alleys had to root for their favorites in the match, which in a measure accounts for the low scores made. Here are their figures:

	1	2	3
C. Wocker	115	134	100
Paps Zeller	92	107	98
A. Langjahr	94	110	76
J. I. Donlan	119	144	130
W. J. Elliot	..	93	86
F. Lentz	159	149	119
C. Woerner	97	138	104
S. S. Butterfield	116	87	131
P. Dallednuze	109	96	144
W. J. Stewart	63	159	92

West Hoboken, N. J.—The following scores were made this week:

	1	2
Brown	136	185
M. Hansen	167	146
Menne	133	126
Hillebrecht	126	144
Tschupp	148	105
Birnie	123	116
J. Raynor	102	145
W. Ford	121	120
Dietz	156	129
L. Hansen	141	173
Bauman	108	114
Grundman	141	110
Wache	106	...
Kornich	102	98
Stewart	128	116
J. Taylor	108	82

Chicago.—In the Anson League contest in games played December 10 against the Illinois, the Florists got badly worsted in all the games. It was a bad night for the boys all round. Asmus was not present, and Hauswirth had to play with a sore thumb.

	1	2	3
G. Stollery	177	152	203
F. Stollery	178	150	194
Hauswirth	125	153	135
Winterson	141	147	122
Balluff	152	159	137
Totals	773	761	701

The Illinois totals were 797, 858 and 822.

ESS.

CATALOGUES RECEIVED.

HENRY A. DREER, Philadelphia.—Wholesale Price List of New Crop Flower Seeds and Decorative Plants for Christmas sales

ALBERT M. HERR, Lancaster, Pa.—Price List of Rooted Cuttings, Carnations, including all the novelties; also Ageratum Stella Gurney,

THE FLORISTS' EXCHANGE, $1.00 A YEAR.

Subscribe before the New Year commences.

Toronto.

All last week the weather was dull and dreary, with snow, sleet and rain, consequently but little bloom opened out. The demand for good stock was considerably above the supply and prices have gone away up. There are still considerable quantities of second-class roses around, but really good ones are scarce. Carnations are coming better, but they are bringing good prices. Chrysanthemums are nearly over. Violets are very scarce, and good ones are bringing fancy figures; the demand for this flower is very good. Valley, Romans and Paper Whites are coming in freely and generally find a ready sale—a sure sign that other stock is scarce.

Dunlop and Tidy are both showing good Liberty and Beauty roses, but they have not enough for the demand.

It is almost impossible to quote prices correctly, as they change so often. If we get a few days of good sunshine there will be a fine Christmas trade, for the demand will be good and there will then be stock to meet it. T. M.

Rochester, N. Y.

J. B. Keller's Sons report the demand for chrysanthemums at begianing of the season slow; prices lower; latter part the demand was good, but not equal to last year's prices, being 25 per cent. less. In colors yellow predominated, white next, other colors about equal. W.

The Dean Boiler Company at 2:15 p.m., December 10, received a telephonic order from the Massachusetts State Agricultural College at Amherst, Mass., for two hot water boilers to replace some boilers which had given out. The company shipped the two boilers on the 4-o'clock freight same afternoon, requiring only one and three-quarter hours in which to make the shipment.

Holly AND Decorative Greens

By ordering your Holly of us, you save $3.00 on every case as we do our own packing. Come direct from woods and prices the lowest **Red Seal Holly**, dark green leaves, well berried, $2.75 case. **Laurel Roping**, heavy tied, 3 cts. yard. **Holly Wreaths** on wire, $5.00 a 100. Write for special prices on large orders. Terms cash.

A. K SAVACOOL, Lewes, Del.

Mention the Florists' Exchange when writing.

HOLLY! HOLLY!

We are cutting from our woods the finest **Holly** ever produced in Delaware, elegantly berried and dark green foliage, at the following low prices:

1 Case, $2.50. 5 Cases, $2.35 each.
10 Cases, $2.25 each.
Holly Wreaths, $5.00 per 100.

The holly is packed in 2x2x4 cases, and is packed 100 pounds to a case.

STROUDSBURG PAPER CO., Milton, Del.

Mention the Florists' Exchange when writing.

FORGET-ME-NOT Large clumps, 75 cts. per 100; $5.00 per 1000.
DAISIES (Bellis). Snowball and Longfellow, 40c. per 100; $2.50 per 1.00.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

NOVELTIES

—OF—

Chrysanthemums, Carnations, Cannas and Geraniums Our Specialty

PRELIMINARY LIST NOW READY.
Free to all applicants.

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

NOW IS THE TIME TO BUY

MICHELL'S FINEST STRAIN of
MAMMOTH VERBENA SEED
Choicest Mixed all colors, 40c. per trade pkt.; per oz., $1.50.

HENRY F. MICHELL
1018 Market St., Phila.
WHOLESALE PRICE LIST OF SEEDS, BULBS &c. ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS

Mention the Florists' Exchange when writing.

Asparagus Plumosa and Sprengeri.

Out of 3 inch pots, at $8.00 and $6.00 per 100. Cash. A No. 1 stock for the money.

GEO. JUST, Jacksonville, Fla.

Mention the Florists' Exchange when writing.

GERANIUMS

Rooted cuttings of different colors, $1.50 per 100; $12.00 per 1000.

Vinca Maj. fol. variety, $4.00 to $8.00 per 100.

WILLIAM STUPPE, - Englewood, N. J.

Mention the Florists' Exchange when writing.

PALMS

Ferns, Asparagus, etc.

Write for Wholesale Price List.

EMERSON C. McFADDEN, Short Hills, N. J.
U. S. EXOTIC NURSERIES.

Mention the Florists' Exchange when writing.

SMILAX Long and Thick Strings, 20c. per String.

HELIOTROPE 2½ inch pots $1.50 per 100.

CASH WITH ORDER.

CARL E. TAUBE, Trenton, N. J.

Mention the Florists' Exchange when writing.

500,000 VERBENAS

60 finest named varieties, including our new **MAMMOTH WHITE MRS. McKINLEY.** The finest white Verbena grown.

Perfectly healthy. Free from rust.

Rooted cutting, 60 cts. per 100; $5.00 per 1000.
Plants, $2.50 per 100; $20.00 per 1000.
Our list is the choice from millions of seedlings.
Send for Circular.

J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS ROOTED CUTTINGS

Best popular double and semi-double bedders; 5 varieties Scarlet; 5 Salmon Pink; 4 Dark Crimson; 3 Pink; 2 White, and many other choice vars., $12 a 1000.

COLEUS 10 separate colors, 65c. per 100; Grand Fancy Mixed, 50c. per 100; Grandest New Giant Leaved, $1.20 per 100. Remit with order to ship. List of stock free.

DANIEL K. HERR, Lancaster, Pa

Mention the Florists' Exchange when writing.

MADAM SALLEROI

Fine plants, in 2½ in. pots, $2.50 per 100.

BOSTON FERNS

4 in., 5 in., 6 in., 7 in. pots; 10 in. and 12 in pans.

Dandy Plants for Xmas Sales.

MARK AITKEN, Springfield, Mass

Mention the Florists' Exchange when writing.

ROSES STRONG, TWO-YEAR, FIELD-GROWN.

CRIMSON RAMBLER, extra strong, $12.00 per 100. HYBRID PERPETUAL, in fine assortment, $10.00 per 100; $90.00 per 1000; second size, $6.00 per 100; $50.00 per 1000; these are well-rooted, good stock, but not quite heavy enough to go in first grade.

AZALEAS

Stock in excellent shape, well set with buds.

10 to 12 inch crowns.....$35.00 per 100
12 to 14 inch crowns..... 45.00 "

SPIRÆAS

Japonica.....$3.00 per 100
Astilboides Floribunda..... 4.00 "
Nana Compacta..... 5.00 "

PALMS

Kentia Belmoreana

2½ inch pots.....$8.00 per 100; $75.00 per 1000
3 inch pots, 4 and 5 leaves.....$15.00 per 100
4 inch pots, 14 to 16 inches high.... 30.00 "
5 inch pots, 18 inches high..... 60.00 "
5 and 6 in. pots, 18 to 22 in high... 75.00 "

Areca Lutescens

2½ inch pots.....$8.00 per 100; $50.00 per 1000

PALMS

Kentia Forsteriana

2½ inch pots.....$10.00 per 100
3 inch pots, 12 inches high..... 15.00 "
4 inch pots, 15 to 18 inches high... 35.00 "
5 inch pots, 18 to 22 inches high... 50.00 "
5 and 6 in. pots, 21 to 28 in. high... 75.00 "

ASPARAGUS

Plumosus Nanus, 2½ inch pots.....$5.00 per 100
3 inch pots..... 8.00 "
4 inch pots..... 12.00 "
Sprengeri, 2½ inch pots..... 3.00 "
3 inch pots..... 5.00 "
4 inch pots..... 8.00 "

BOSTON FERNS

Strong, 2 in. pots, $3.00 per 100; $25.00 per 1000

THE STORRS & HARRISON CO. PAINESVILLE, OHIO.

Mention the Florists' Exchange when writing.

CRIMSON RAMBLER ROSES

Especially adapted for FORCING.

These plants have fibrous roots, are easily potted, and produce more bloom than bushes with stiff, straight roots **$12.00** per hundred; extra size, **$15.00.**

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing

SPECIAL CASH SALE

	Per 100
2000 CHINESE PRIMROSES, 2 in. pots	$1 00
1000 CINERARIAS, 2 in. pots	2 00
1000 ASPARAGUS SPRENGERI	2 00
10,000 GERANIUMS, my selection	3 00

JOS. H. CUNNINGHAM, Delaware, O.

Mention the Florists' Exchange when writing.

CINERARIAS

A Superior Strain, 2¼ inch, $2.00 per 100.

CYCLAMEN PERSICUM GIGANTEUM, 4 inch, in Bud and Bloom, $1 25 per doz.

CHINESE PRIMULA, 4 inch, in Bud and Bloom, $1.00 per doz.

WHITTON & SONS, Wholesale Florists,
City and Green Streets, UTICA, N. Y.

Mention the Florists' Exchange when writing

GERANIUM "AMERICA"

A QUEEN AMONG GERANIUMS.

Color, from purest white to deepest rose. **Dwarfness, just right; Floriferousness, astonishing.** Strong plants, $6 00 per 100; 25 at 100 rate.

READY NOW.

HENRY EICHHOLZ, Waynesboro, Pa.

Mention the Florists' Exchange when writing.

GERANIUMS

For Immediate Shipment.

Alphonse Ricard,	Beaute Poitevine,
John Doyle,	Griffith,
Bruantii,	Gloire de France,
Double Grant,	Mme. Jaulin,
Single Grant,	La Favorite,
S. A. Nutt,	F. Perkins.

From 2½ in. pots, $3.00 per 100; $25.00 per 1000.

I solicit your patronage and guarantee satisfaction.

PAUL MADER, East Stroudsburg, Pa.

Mention the Florists' Exchange when writing.

MADAM SALLEROI

Geraniums, rooted cuttings, $1.25 per 100, $10.00 per 1000. **Rose Geraniums,** $1.25 per 100.

Pelargonium Victor, $2.00 per 100.
Abutilone, Savitzii, trailing, and five others, $1.50 per 100.
Weeping Lantanas, $1.25 per 100.
Ageratums, Louise Bonnet, Princess Pauline, Cope's Pet, White Cap, 50 cts. per 100.
Ageratum, Stella Gurney, $2 00 per 100.
Sweet Alyssum, 60 cts per 100.
Feverfew, Little Gem, $1.00 per 100.
Cuphea, Cigar Plant and Tricolor, 75 cts. per 100.
Salvia Silverspot, 50 cts. per dozen.
Double Petunias, 30 vars., 2 in pots, $2.00 per 100.
Manettia Bicolor, 2 in. pots, $2.00 per 100.
Lantanas, 8 vars., 2 in. pots, $2.00 per 100.
Heliotropes, 12 vars., 2 in. pots, $2.00 per 100.

Cash with order.

C. A. HARRIS & CO., Delanson, N. Y.

Mention the Florists' Exchange when writing.

GERANIUMS

16 Double and Single varieties, mixed, strong plants, out of 2½ and 3 in. pots, $3.00 per 100.

CASH, PLEASE.

Hermann Stahenow, 1657 North 10th St. **Reading, Pa.**

Mention the Florists' Exchange when writing.

IF YOU NEED ROSES
Send us your list for prices.
THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.

Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS...
and Novelties in Decorative Plants.
Market and 49th Sts., PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.

ROSES For Spring Blooming.

The proper sorts. Clothilde Soupert, Gen. Jacqueminot, La France, Coquette des Blanches, Coquette des Alps, etc., fine 1 and 2 year field-grown plants that have never been forced, suitable for 5 inch pots, at 5c. Some extra strong, suitable for 8 and 8 in. pots, at 9c.

Large-Flowered Clematis, for forcing. Purple-White and Lavender sorts, from 5 inch pots, 15c.

Clematis Paniculata, fine 3 year plants, 10c.; fine 2 year, at 8c. Packing free for Cash. Also some sound second-hand 3 and 4 inch **Pipe** to offer, cheap.

W. H. SALTER, Rochester, N. Y.

Mention the Florists' Exchange when writing.

Crimson Rambler and Vinca Major Var.

Field grown Crimson Rambler, 2 yr., with lots of fibrous roots, 3½ to 4 ft., $1.50 per doz.; 50 for $6.00. Extra strong Vinca Major variegated, $6 00 per 100; 200 for $10.00, with several shoots, fit for 5 and 6 in. pots.

Spiræa Anthony Waterer, for Easter, 2 yr., at $1.00 per doz; **D. Gracilis,** 2 yr., same price.

Mayflower and **Lorrillard Tomato,** plants for forcing, $2.00 per 100. Cash, please.

BENJ. CONNELL, Florist, West Grove, Pa.

Mention the Florists' Exchange when writing.

ROSES

Strong, field-grown plants of **White** and **Pink Maman Cochet,** at $10.00 per 100. The finest roses ever introduced for summer bloomiog.

HARDY ENGLISH IVY

Strong plants, grown in 4 in. pots, 3 to 4 feet long, $10.00 per 100.

I. H. MOSS,
GOVANSTOWN, - BALTIMORE, MD.

Mention the Florists' Exchange when writing.

CYCLAMEN

Good Plants in Bud and Bloom.

4 inch pots . . . . . $2.00 to $3.00 per dozen.
5 inch pots . . . . . $4.00; $5.00 and $6.00 per dozen.
6 inch pots . . . . . $7.50; $9.00 and $12.00 per dozen.

C. W. COX, 2d and Bristol Sts., **Phila., Pa.**

Mention the Florists' Exchange when writing.

VERBENAS

UNEQUALLED VARIETIES, VIGOROUS STOCK.

	100	1000
Best Mammoths, strong pot plants	$3.00	$25.00
" " rooted cuttings	1.00	8.00
Older " "	.75	6.00
" " strong pot plants	2.50	20.00

ROOTED GERANIUMS CUTTINGS

Double and Single, and Ivy Leaf Varieties.
Fine collection ..... $2 00 per 100; $15 00 per 1000.
Strong pot plants ..... 5.00 " 25.00 "

CYCLAMEN GIGANTEUM

From 3 inch pots in bud ..... $8.00 per 100.
" 3½ " " " ..... 10.00 "

MISCELLANEOUS.

	100	1000
Ageratum, Cope's Pet and White Cap	$1.00	$8 00
" P. Pauline and Stella Gurney	1.25	10.00
Coleus, best bedding and fancy sorts	1.00	8.00
Cuphea, Platycenters	1.25	10.00
Fuchsia, double and single	2 00	15.00
Feverfew	1.50	12.00
Heliotrope, light and dark	1.25	10.00
Impatiens Sultani	2 00	
Ivy, German	1.50	
Moon Vines, true white	2 00	15.00
Salvias, Splendens, Bedmen, etc.	1 25	10.00
Smilax, strong plants	2.50	20.00

WOOD BROS., Fishkill, N. Y.

Mention the Florists' Exchange when writing

ROOTED CUTTINGS

By Mail.

	Per 100
Double Fringed Petunias, 50 varieties, Dreer's, Henderson's and Giant of California	$1 25
Petunia Grandiflorn, single	1 25
Strobilanthes Dyerianus	1 25
Ageratum, Princess Pauline, Blue Perfection and Blanche	75
Cuphea (Sugar Plants)	75
Fuchsias, 20 varieties	1 25
Ivy Geraniums, 12 varieties	1 50
Gazania Splendens	1 50
Abutilons, 4 varieties	1 50
Heliotropes, 18 varieties, transplanted into soil and sure to grow	1 00

Cyclamen Giganteum

4 colors, 4 inch pots, $8.00 per 100; 3 inch pots, $5.00 per 100. Choicest strain, finely marbled, well set and in splendid condition.

Mars Geranium, 3 inch, $3 00 per 100.
Cyperus Alternifolius, 3 in., fine, 5 to 8 steins, $5.00 per 100.

Not less than 5 of a variety in rooted cuttings. Cash with order, please.

GEORGE J. HUGHES, Berlin, N. J.

Mention the Florists' Exchange when writing.

VERBENA KING.

EXPRESS PREPAID on all Rooted Cuttings.



Verbenas ready Dec. 5th. 40 best mammoth vars. 60c. per 100; $5 per 1000.
Alternantheras, Red and Yellow, 60c. per 100; $5. per 1000.
Ageratums, 4 best vars.; 60-75c. per 100; $5 to $6 per 1000.
Heliotropes, 10 best varieties, $1 per 100; $8 per 1000.
Dalsies, 2 best var. $1.00 a 100, $8.00 a 1000.
Send for our new list; it will save you money.
Write for prices on larger lots.

C. HUMFELD, Clay Center, Kansas.

Mention the Florists' Exchange when writing.

GERANIUMS

Rooted Cuttings sold out.

A few thousand of QUEEN OF WEST, extra strong, left; second lot will be ready first of February.

Send for Price List.

PETER BROWN, - Lancaster, Pa.

Mention the Florists' Exchange when writing.

CINERARIAS

From Benary, Cannell and Sutton's prize show flowers saved, dwarf and semi-dwarf, giant flowered, finest colors and shades; 2¼-in., $2.50 per 100. Cash with order, please.

Shellroad Greenhouses, Grange P. O., Balto., Md.

Mention the Florists' Exchange when writing

25,000

Double Fringed Petunias

ROOTED CUTTINGS.

20 best sorts, embracing all colors, labeled true to name. A large proportion of white and light colors. Our stock is strong, thrifty and well rooted, and the color and size of bloom can't be beat. Price, $1.00 per 100, postpaid; $10.00 per 1000, or 3000 for $25.00, by express.

20,000 strong, stocky plants, 2 inch pots, $2.50 per 100; $22.50 per 1000. Satisfaction Guaranteed.

A. B. DAVIS & SON, Purcellville, Va.
Near Washington, D.C.

Mention the Florists' Exchange when writing.

GERANIUMS

ALPHONSE RICARD	L'AUBE
BEAUTE POITEVINE	MME. JAULIN
CENTEAURE	MRS. E. G. HILL
COUNTESSdeHARCOURT	MISS KENDELL
DOUBLE GEN. GRANT	MME. BRUANT
GILLIAN M. GILL	MISS F. PERKINS
GRANVILLE	MME. BARNEY
GEN. DE BOISDEFFRE	MARQUIS de MONTMORT
LA FAVORITE	MR BRUANT
LA CIO	TRUE ROSE

2½ inch pots, $2.00 per 100.

Alyssum, Giant Double; Lantanas, 10 named varieties; Coleus, 15 named varieties; Hardy Ivy; Ageratum, Stella Gurney and Dwarf White; Salvia Bonfire, 2½ inch pots, $2 00 a 100.

Asparagus Plumosus Nanus 4 in. pots, $10 a 100.

Cash with order.

R. VINCENT, JR. & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

A Big Bargain!

FROM NOW UNTIL JANUARY 1, 1901.

COLEUS 2½ inch pots, $2.00 per 100; $15.00 per 1000. Rooted cuttings from the same at 50c. per 100; $4.00 per 1000.

Also a fine lot of

GERANIUMS In 2½ inch pots, at least 100,000, at $3 00 per 100; or $25.00 per 1000. Is composed of the following varieties:

S. A. Nutt, F. Perkins, Poitevine, La Favorite, Brunntil, E. G. Hill, Wm. Pfitzer and several other leading varieties.

CASH MUST ACCOMPANY ALL ORDERS.

J. E. FELTHOUSEN, Schenectady, N.Y.

Mention the Florists' Exchange when writing.

To the Trade.

2000 ENGLISH IVIES

Strong plants, from 4 in. pots, $15.00 per 100

A No. 1 SCOTT CARNATIONS
$5.00 per 100.

SELAGINELLA
From 3½ inch pots, $5.00 per 100.

64 SASHES 3 feet by 6 feet, 7 inch by 9 inch glass, good for frames making a house 16 feet by 100 feet; $65.00 for the lot.

JOHN RECK, Bridgeport, Conn.

Mention the Florists' Exchange when writing

ADOLPH C. FEHR,

Florist and Seedsman,

ROSES, CARNATIONS, SMILAX, CHRYSANTHEMUMS, Etc.

220 East Main St. Greenhouses, Carlyle Road,
BELLEVILLE, ILL.

Mention the Florists' Exchange when writing.

AGERATUM

"STELLA GURNEY"

As necessary to your bedding stock as Coleus or Geraniums. Dwarf in growth, true blue and always in bloom.

Strong pot plants at 75 cts. per doz.; $5.00 per 100.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

SURPLUS STOCK === MUST HAVE ROOM

THIS OFFER FOR ONE WEEK ONLY.

	Per 100
Baby Primrose, in flats	$2.00
" " 2 inch	3.00
" " 2¼ inch	4.00
Vinca Variegata, 2¼ inch	2.50
" " 3 inch	4.00

	Per 100
Vinca Variegata, 3½ inch	$8.00
" " 4 inch	10.00
" " 5 inch	15.00
" rooted cuttings, $10.00 per 1000	1.25

WILL EXCHANGE for Elm City and Phenomenal Fuchsia Stock Plants.

Send for List and Prices of Plants and Cuttings. **TERMS CASH or C. O. D.**

GREENE & UNDERHILL, Watertown, N. Y.

Mention the Florists' Exchange when writing.

15% Discount BOOKING ORDERS OF Carnations

Rooted Cuttings of the following varieties, at 15 per cent. discount on all orders booked before January 1st.

Mrs. Thos. Lawson, $7.00 per 100; $60.00 per 1000.
Olympia, $6.00 per 100; $50.00 per 1000.
Marquis, Genevieve Lord, Estelle, Elm City, $5.00 per 100 or $40.00 per 1000.
Ethel Crocker, $4 00 per 100; $35.00 per 1000.
White Cloud, Joost, Jubilee, Flora Hill, $2.00 per 100; $15.00 per 1000.

Mrs. Geo. Bradt, G. H. Crane, America, Gold Nugget, Ferguson, L. Paul, Glacier, Sandusky, $3.00 per 100; $25.00 per 1000.

Scott, Armazindy, McGowan, Eldorado, Evanston, C. A. Dana, Meteor, Victor, $1.00 per 100; $10.00 per 1000.

DANA R. HERRON, Olean, N. Y.

Mention the Florists' Exchange when writing.

NO EXPERTS NEEDED TO GROW THESE TWO TO PERFECTION.

NEW CARNATIONS

ADMIRAL CERVERA

A yellow and red striped, large flower, with fine stem; splendid grower and fine bloomer; beautiful keeper and splendid shipper.

GOETHE

A lovely light pink (in place of Daybreak), very large, fragrant flower, easy to grow and an early and continuous bloomer; will easily lead in its class. A splendid seller over the commission or retail counters.

Both of these varieties are in perfect health, and as they are two distinct colors you will need, you will make no mistake in trying them. Come and see them; it will pay you. Cuttings will be delivered as soon as ready.

$2.00 per doz.; $10.00 per 100; $47.50 per 500; $90.00 per 1000. **C. BESOLD, Mineola, L. I., N. Y.**

Mention the Florists' Exchange when writing.

UNROOTED CARNATION CUTTINGS

	Per 100	Per 1000
Morning Glory, the coming Daybreak	$2.50	$20.00
Mrs. Bartlett (Dorner)	2.50	20.00
Genevieve Lord, light pink	1.50	10.00
E. Crocker, fine pink	1.75	12 50
Mrs. F. Joost, pink	.75	5.00
Glacier, white	1.00	7.50

	Per 100	Per 1000
Mary Wood, white	$1 00	$7.50
Gold Nugget, yellow	1.00	7.50
Gen. Maceo, maroon	1.50	12.50
Gen. Gomez, dark red	1.25	10.00
Morning Glory Rooted Cuttings,	5.00	40.00
G. H. Crane Rooted Cuttings	2.25	20.00

25 cuttings at 100 rates; 250 at 1000 rates.

PLANTS.

	Per 100
10,000 COLEUS, named, 10 vars., 2¼ in.	$1.50
20,000 ALTERNANTHERAS, red pink and yellow, 2¼ in.	1.50
1,000 SALVIAS, 2¼ in.	1.50

	Per 100
3,000 SEDUM VARIEGATUM, 2¼ in.	$1.50
5,000 CIGAR PLANTS, 2¼ in.	1.50
1,000 ASPARAGUS PLUMOSUS NANUS, 3 in.	5 00
1,000 TRUE BOSTON FERNS, 3 in.	5.00

THE MORRIS FLORAL CO., - Morris, Illinois.

Mention the Florists' Exchange when writing.

THE LARGEST FANCY CARNATION. READY MARCH 1st.

PROSPERITY

All Orders Filled in Strict Rotation.

PRICES FOR ROOTED CUTTINGS.

1 Plant	$0 50	50 Plants	$10 00	500 Plants	$70 00
12 Plants	5 00	100 "	16 00	750 "	101 25
25 "	8 25	250 "	37 50	1000 "	130 00

WRITE FOR FULL DESCRIPTION.

DAILLEDOUZE BROS., - Flatbush, N. Y.

Mention the Florists' Exchange when writing.

THE FLORISTS' EXCHANGE, $1.00 A YEAR.

Subscribe before the New Year commences.

Our Introductions of New Carnations for 1901

...THE BIG FOUR...

SUNBEAM Extra bright flesh pink, early, free and continuous bloomer. Flowers of good form and size, borne on long stiff stems. $1.50 per doz., $10.00 per 100, $75.00 per 1000.

BON HOMME RICHARD White. Extraordinarily free bloomer; fine form, good size. Stems 2½ to 3 feet long. $1.50 per doz., $10.00 per 100, $75.00 per 1000.

NYDIA Variegated. Salmon stripe on white ground. Quick seller, extremely free bloomer, fine form and stiff stem. $1.50 per doz., $10.00 per 100, $75.00 per 1000.

PROLIFICA Cerise pink. Very long stiff stems, large flowers, and as its name indicates, an extra free bloomer. $1.50 per doz., $10.00 per 100, $75.00 per 1000.

First lot of the above varieties ready February first.
Rooted Cuttings of standard varieties ready January first.

WRITE FOR DESCRIPTIVE CATALOGUE.

CHICAGO CARNATION CO., Joliet, Mich.

...OTHER VARIETIES...

	Per 100	Per 1000
Mrs. Thos. W. Lawson, cerise pink	$7.00	$60.00
Olympia, variegated	6.00	50.00
Marquis, pink	5.00	40.00
Genevieve Lord, pink	5.00	40.00
Ethel Crocker, pink	4.00	35.00
Morning Glory, light pink	4.00	35.00
Mrs. Geo. M. Bradt, variegated	3.00	25.00
G. H. Crane, scarlet	3.00	25.00
Chicago, scarlet	3.00	25.00
America, scarlet	3.00	25.00
Gold Nugget, yellow	3.00	25.00
Gen. Maceo, crimson	2.00	15.00
Gen. Gomez, "	2.00	15.00
White Cloud, white	2.00	15.00
Mrs. Frances Joost, pink	2.00	15.00
Mrs. Jas. Dean, pink	2.00	15.00
Jubilee, scarlet	2.00	15.00
John Young, white	1.50	12.00
Flora Hill, white	1.50	12.00
Argyle, cerise pink	1.50	12.00
Daybreak, light pink	1.50	12.00
William Scott, pink	1.00	8.00
Evelina, white	1.00	8.00
Armazindy, variegated	1.00	8.00

Mention the Florists' Exchange when writing.

PLANT CULTURE

A two hundred page book, of inestimable value to all, for only **$1.00.**

A. T. DE LA MARE PTG. & PUB. CO., Ltd.
P. O. Box 1697, New York.

CHRYSANTHEMUMS

Stock plants of Ivory, Bonnaffon, Mrs. Perrin, 50 cts per doz. Merry Xmas, $1.00 per doz.
GERANIUMS, 2½ inch pots..... $2.50 per 100
CUT SMILAX..... 20 cents per string.
Cash with Order.

WM KEIR, - Pikesville, Md.
Mention the Florists' Exchange when writing.

F. B. HAYES

The best **Late Pink Chrysanthemum.** Stock plants for sale, $2.00 per dozen, $15.00 per 100.

WILLIAM SIM, Cliftondale, Mass.
Mention the Florists' Exchange when writing.

CHRYSANTHEMUM

WALTER MOLATSCH

All those not possessing this grand variety cannot afford to be without it, the finest early yellow in existence; excellent for pot and cut. Price f stock plants $4.00 per doz.

H. A. MOLATSCH, 68th St. & 8th Ave., Brooklyn, N.Y.
Mention the Florists' Exchange when writing.

CARNATION PLANTS ALL SOLD.

Ready to book your orders for rooted cuttings of all the leading varieties for **Spring delivery.** Let me quote you prices before placing your orders.

WM. MURPHY, Wholesale Carnation Grower,
Sta. F., CINCINNATI, Ohio.
Mention the Florists' Exchange when writing.

THE MAN WAS RIGHT

When he said **ETHEL CROCKER**

is absolutely the best Pink Carnation ever offered to the trade; those that are growing it are more than satisfied; every Florist should grow it next year. Fine healthy Rooted Cuttings, now ready, $4.00 per 100; $30.00 per 1000. Cash with Order.

W. W. COLES, - KOKOMO, IND.
Mention the Florists' Exchange when writing.

THE LAWSON CARNATION

Is rapidly demonstrating its **commercial value** all over the country. My stock is in **excellent condition, healthy** and **vigorous.** Rooted cuttings ready **now** or for **later delivery.**

Price, per 100, $7.00; per 1000, $60.00.

Terms strictly cash from unknown parties.

The demand will be heavy. Send all orders direct to

PETER FISHER, - Ellis, Mass.
NO AGENTS.
Mention the Florists' Exchange when writing.

NEW CARNATIONS FOR 1901

LORNA (Dorner). Pure white, a decided improvement on White Cloud in size, habit, stem, form, color and continuous blooming.
$10.00 per 100; $75.00 per 1000.

MERMAID (Dorner). Salmon pink, large flower, good color, early and extremely free. Stem a little weak after transplanting, but improves quickly. A good summer bloomer in the field.
$6.00 per 100; $50.00 per 1000.

ROOSEVELT (Ward). Rich brilliant scarlet, shaded maroon. Early and free. The peer of all dark Carnations.
$12.00 per 100; $100.00 per 1000.

PROSPERITY (Dailledouze). White, overlaid with pink. An exceptionally large Carnation. The winner of the Lawson Gold Medal in 1900.
$15.00 per 100; $130.00 per 1000.

IRENE (Crabb & Hunter). Commercial pink Carnation. Free and continuous bloomer. $10.00 per 100; $75.00 per 1000.

Let us Book Your Orders Now for the New Varieties. Also for the 1900 Novelties—CROCKER, LAWSON, G. LORD, MARQUIS, OLYMPIA and PERU.

WE MAKE A SPECIALTY OF ROOTED CUTTINGS.

F. DORNER & SONS CO., La Fayette, Ind.

Mention the Florists' Exchange when writing.

QUEEN LOUISE CARNATION.

This New Carnation produces the finest flowers, is perfectly healthy, and is the best white variety ever introduced.

IT BLOOMS EARLY. IT BLOOMS LATE. IT BLOOMS ALL THE TIME.



From photograph of Queen Louise taken October 28th, 1900.
For other cuts see last two papers.

Our price list contains cuts from photographs taken every two weeks during the months of February, March, April, May, June, October and November.

No other Carnation can stand such a test.

Rooted Cuttings ready Feb. 15th. Price, **$10.00 per 100; $75.00 per 1000.**

Come and see it or send for circular.

J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000
MRS. LAWSON	$6.00	.....
ETHEL CROCKER	6.00	.....
MARQUIS	5.00	.....
GENEVIEVE LORD	5.00	.....
G. H. CRANE	2.50	$20.00
MRS. GEO. M. BRADT	2.50	20.00
EVANSTON	2.00	17.50
WHITE CLOUD	1.50	12.50
FLORA HILL	....	.....
DAYBREAK	....	.....
TRIUMPH	....	.....
JOOST	....	.....
ARMAZINDY	....	.....
TIDAL WAVE	....	.....
WM. SCOTT	1.00	8.00

ROSES.

KAISERIN	$1.50	$12.50
LA FRANCE	....	.....
METEOR	....	.....
PERLE	....	.....
BRIDESMAID	....	.....
BRIDE	....	.....
GOLDEN GATE	2.50	20.00

GEORGE REINBERG,
51 Wabash Ave., CHICAGO.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES. LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.
Mention the Florists' Exchange when writing.

GENEVIEVE LORD

The greatest money-getting **PINK CARNATION** ever introduced; a descendant of Wm. Scott, but its superior in every way. A big claim; if you don't believe it, come and see it. Please note change in price of rooted cuttings for January 1st delivery and after: **$6.00 per 100; $50.00 per 1000.** Booking orders now. Deliver any time you say after January 1st, 1901.

CHRYSANTHEMUMS STOCK PLANTS.
New and old varieties. Write for prices.

H. WEBER & SONS, Oakland, Md.
Mention the Florists' Exchange when writing.

ETHEL CROCKER

WHEN store men telegraph that they must have some Crocker for their customers, and commission men beg for consignments, in spite of the fact that there are plenty of other pinks on the market, it is a pretty sure sign that Crocker has some points of merit distinctive from the others and that there is an unfilled demand for the flower.

With the largest stock of this variety grown by any one grower in the country, I can fill your orders with carefully selected cuttings at **$4.00** per 100 or **$30.00** per 1000.

Send for list of other varieties.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

FOUNDED IN 1888.

FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO., LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

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Copy must reach this office not later than Thursday in order to secure insertion in issue of the following Saturday.
Orders from unknown parties must be accompanied by cash or satisfactory references.

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Electrotypes of the illustrations used in this paper can usually be supplied by the publishers. Prices on application.

BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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John Donn, of Baltimore, has opened a plant sanitarium, and the local papers have styled him a Doctor in Floral Surgery or D. F. S.

That New York will have a flower show in the Fall of 1901 is now an assured fact, thanks to the progressive spirit of President O'Mara and others of the members of the Florists' Club, and that the show will be a successful one from an exhibition standpoint goes without saying. In fact, it would be an insult to the florists and gardeners of the metropolis to predict otherwise. The schedule will be out in good time to allow of all necessary preparations being made by exhibitors; everybody will work with a will and in hearty sympathy with the project; the premium list is sure to be a satisfactory one; and New York will assume her wonted position as the leader in all matters horticultural in America.

GALVESTON RELIEF FUND.

Publishers Florists' Exchange:

I beg to acknowledge a further remittance through you for the Galveston Florists' Fund, to the amount of $64.30. At our meeting last Tuesday a special letter of thanks was ordered sent to the Morris County Gardeners and Florists' Society of Madison, N. J., on account of that society's untiring efforts to relieve our sufferings. Considering the area and field that the gentlemen of the above organization worked in for our benefit, it places them among the foremost workers for our cause.

I have also received a check to the amount of $19.30 from the Boston Horticultural Club, through its secretary, F. S. Davis. Kindly make note of same in your valuable paper. This remittance, added to the total as published in your issue of December 1, will make same correspond with my account. The shipment of 10,000 divers plants from the Good & Reese Co., of Springfield, Ohio, came through this week in good order, and are being distributed. Through some mistake of the shipping clerk, the plants were addressed to J. D. Pruessner, personally, instead of the Galveston florists, and in his care, and in consequence the express company presented a nice little bill for freight. The mistake is to be regretted, but we had to pay the charges, nevertheless, and have notified the Good & Reese Co. to try and have the money refunded.

We had a further donation of some fine strain of cyclamen seeds from Beaulieu, of Woodhaven, N. Y. A shipment of plants from C. Eisele, of Philadelphia, Pa., has also reached us in good condition; and the plans from Henry W. Gibbons, of New York, consisting of two complete sets of detail drawings of modern greenhouses, reached here safely.

Our chairman, J. D. Pruessaer, was instructed to kindly ask Mr. Ward to forward the articles of clothing by Mallory S. S. Line in care of the former, and we will pay the charges—that is, in case the express company should refuse to forward the package.

We have had some quite severe northers, and they denote a cold Winter. The sufferings from cold weather will be intense, because so many poor families have to live in tents, and have no prospects of being properly housed and cared for this Winter. There was a convention at Fort Worth, Texas, for the purpose of trying to induce the State Legislature to do something for our ill-fated city and county. The bulk of the work going on now is repair work, hardly any rebuilding. There are no theater or social functions of any kind this season, which in past years used to liven things in our lines. Still, we are thankful for the preservation of our lives, and in due course of time grit will accomplish the rest. I am inclined to strongly think that I will have to disobey rules and set apart a portion of the fund for distribution to enable our members to gladden the hearts of their little and dear ones for Christmas. Your appeal to your subscribers in a recent issue on our behalf is very touching, and may same have the desired effect.

We are again indebted to you for your kindness, and our feeble words of thanks are all that we can offer any of our donors in return. The Galveston florists wish each and every one of their benefactors a merry Christmas and a happy New Year, and renewed and increased success in the coming year, which all of them so justly deserve on account of their constant desire to relieve the sufferings of their fellow-men, and especially on account of their unceasing efforts on our behalf.

THE GALVESTON FLORISTS,
Per F. G. LAEVERENZ, Secretary.

We had a call from Otto Fehrlin, who is in the East looking around for a place to locate, having been obliged through circumstances over which he had no control to abandon the undertaking recently entered upon by him in St. Louis. Mr. Fehrlin, whose wife and little ones are still residing in Galveston until such time as he is enabled to settle in some favorable locality, gave us, in his own modest way, a most thrilling account of his experiences during the awful calamity that overtook his ill-fated city, and it was only necessary to hear these experiences from the lips of one of the sufferers to be fully impressed with the stupendous and heartrending nature of the devastation, and the great need for assistance to the craft there being cheerfully and extensively rendered. Beyond the monetary aid afforded by the trade, the Galveston florists will receive but little, the great bulk of the general money donations being drained for the reëstablishment of the city itself. Mr. Fehrlin reiterates, on behalf of his brother florists and himself, heartfelt thanks for the generous support already given by the trade; and it is safe to assert that were any correct realization of the extent of the losses and of the practically helpless condition of the Galveston florists to present itself to the minds of the American florist trade, a far greater amount than that already donated, and more truly representative of the well-known unbounded generosity of our craftsmen, would be willingly forthcoming. And for this we would enter an earnest plea.

Further Contributions Received.

I. L. Powell, Millbrook, N. Y..... $1.00

American Carnation Society.

NEW VARIETIES REGISTERED.

NORWAY, color pure white, a seedling of Mrs. Fisher. Flowers two and one-half to three and one-half inches in diameter; stems long, strong and graceful; delightfully fragrant and a good keeper and shipper. Splendid habit and of wonderfully vigorous growth.

EGYPT, color a rich, warm scarlet crimson; flowers averaging two and one-half to three inches, with an exquisite spicy odor, and borne on stems two and one-half to three feet in length. A continuous and free bloomer from November 1 to 15 and for the balance of the season. By H. Weber & Sons, Oakland, Md.

ALBERT M. HERR, Secretary.

Horticultural Society of New York.

This society held a meeting on Wednesday afternoon last, at the Berkeley Lyceum, James Wood, of Mt. Kisco, N. Y., presiding. The Committee on Nominations presented the following officers for election: President, James Wood; vice-presidents, Samuel Thorne, Dr. Hexamer, J. Crosby Brown, Geo. T. Powell and Spencer Trask; secretary, Leonard Barron, 136 Liberty Street, New York; treasurer, F. R. Neubold, Poughkeepsie, N. Y., with a council of 25 members. These gentlemen were duly elected.

Dr. N. L. Britton gave an interesting talk on European botanical gardens and museums, prefacing his remarks by an entertaining account of his visit to the Paris Exposition, where the collections of tuberous begonias and cacti greatly interested him. He secured 600 species of the latter for the New York Botanical Garden. The rhododendron plantings were superior to anything we have in this country, but we beat the French in the cultivation of cannas. In an annex to the exposition the doctor was greatly delighted with a collection of low-growing evergreens, which were planted for the special purpose of providing a covering for game. Dr. Britton stated that Berlin at the present day was the most active center in the world so far as botany was concerned. New greenhouses were being erected, and an attempt was making to show the plants from temperate countries in somewhat their natural relationship. Here was observed the most extensive collection of bromeliads that he had ever witnessed. A great feature was being made of the colonial department, where the various economic plants from the different colonies were collated. At Kew one of the most interesting features was the bamboo garden. The British Parliament is considering the advisability of erecting fireproof structures for the various herbarium collections at Kew, something that is very much needed.

Dr. Britton passed around photographs showing a weeping form of aspen that had developed in the grounds of the New York Botanical Garden, which created considerable interest.

Several new members were elected, and the society seems to be in a very flourishing condition, with a likelihood of accomplishing some very useful work in the near future.

There exist good grounds for the mild rebuke administered by President O'Mara at the last meeting of the New York Florists' Club with respect to trade usage in the matter of plant nomenclature. The convenient contractions of the names employed by growers and dealers and, unfortunately, by the trade press as well, are, to say the least, very undignified in many cases. Take, as examples, those cited by Mr. O'Mara.

Cattleyas are in trade parlance dubbed "cats;" Mrs. George M. Bradt carnation is resolved into "Brats," or "red Brats;" chrysanthemums into "mums." Then, too, we have cypripediums designated "sips or "cypes;" Bridesmaid rose abbreviated to "maid;" Golden Gate roses to "gates;" American Beauty roses to "butes," and so on.

As was pointed out, but little extra effort is necessary to give the correct appellation utterance, or to write it as it should be written.

The aim in the use of spoken or written plant nomenclature should be educational, without the slightest semblance of slang. We hope all interested will give heed to President O'Mara's caution against the present-day tendency to perpetuate a degenerative and ridiculous practice. We ourselves, being offenders in some degree, promise this for our part.

Society of American Florists and Ornamental Horticulturists.

DEPARTMENT OF PLANT REGISTRATION.

H. Weber & Sons, Oakland, Md., register new carnations as follows:

NORWAY, a seedling of Mrs. Fisher; color pure white; flowers two and one-half to three and one-half inches in diameter; fragrant; stems long and strong.

EGYPT, color scarlet crimson; flowers uniformly two and one-half to three inches in diameter; fragrant; stems two and one-half to three feet.

A. C. Zvolanek, Grand View, Somerset County, N. J., registers SWEET-PEA Miss FLORENCE E. DENZER, a white seedling between Zvolanek's Christmas and Emily Henderson; height four feet outdoors, five and one-half feet under glass. A continuous bloomer, especially adapted for Winter flowers; stems up to 16 inches long, usually bearing three flowers each; foliage narrow and of a dark green color.

WM. J. STEWART, Secretary.

OBITUARY.

Wm. J. Palmer, Sr.

At the moment of going to press we learn, with regret, of the death of Wm. J. Palmer, Sr., of Buffalo, which occurred Thursday, December 13. Pneumonia and heart failure were the cause of death.

James Brockie.

James Brockie, for many years florist at Cave Hill Cemetery, Louisville, Ky., died November 28, of pneumonia, aged 55. Deceased was born in Scotland, and came to Louisville when quite a young man. He leaves a widow and two children.

H. W. S. Cleveland.

H. W. S. Cleveland, a prominent landscape gardener, died Wednesday, December 5, at the home of his son, R. D. Cleveland, at Hinsdale, Ill. Mr. Cleveland was 86 years of age. He devoted many years to the improvement of landscape in the parks of Chicago and Minneapolis. At the time of the planning of Washington Park he took charge, and the original gardening in the park was done after his plans. He also had charge of the gardening of Drexel boulevard. Mr. Cleveland came to Chicago shortly before the fire, and since that time divided his interest in landscape gardening between Chicago and Minneapolis. For the last ten years he had withdrawn from active business. The body was taken to Minneapolis, where the burial took place.

Gouverneur, N. Y.

Mrs. I. M. Brainard died here recently. She leaves, besides her husband, a grown-up son and daughter, also many friends to mourn her loss.

CHANGES IN BUSINESS.

SIDNEY, O.—The Wagner Park Conservatories have just completed their plant. A general business will be done.

JACKSONVILLE, FLA.—Peter W. Wachter has sold his interest in the firm of Mills & Wachter to Charles D. Mills, the senior partner.

SEATTLE, WASH.—Frank W. Nelson has opened a florist's store here.

Lehman Bros. report a good demand for their wagon heaters as the cold weather approaches. The advantages of this useful and economical article are evidently appreciated.

New York.

The Market.

There is a general feeling among the cut-flower dealers that business is far from being as good as it ought to be at this season, considering the wave of prosperity that is supposed to be passing over the country. There has been, on several occasions this Fall, a seeming revival of trade in cut-flower lines, and for the time being we thought that business had at last taken a turn for the better. We found, however, that with each little spurt there always came a relapse; and an unsettled condition may be said to be the rule rather than the exception.

During the present week there has been little activity in the market. The largest demand for roses has been for those of the top grades, and as these are coming in in limited quantities only, an advance in the price of such stock has resulted. This may be said to apply to all varieties, excepting Bride, for which there does not appear to be much call just now. Lily of the valley has been erratic, some having been sold, in the beginning of the week, as low as $15 per 1,000. Roman hyacinths and Paper White narcissus are almost a drug in the market. Violets are not so plentiful, yet the demand is not equal to clear out the supplies daily; those left over have to be disposed of at the lowest quoted figures.

Carnations are not moving very satisfactorily. Too many grades of these now exist, and the scale of prices runs all the way from 50c. a 100 to $2 a dozen. Prosperity is bringing the highest figure mentioned. Mrs. T. W. Lawson, The Marquis and Ethel Crocker, when the stems are right, bring $10 a 100, while Mrs. George M. Bradt realizes $8 a 100.

Cattleyas are worth from 50c. to 60c. when obtainable, the supply being limited just now.

The supply of smilax, asparagus and adiantum keeps about even with the demand, and no material change in their values is noted.

Among the retailers the principal event of the week was the Post-Van Alen wedding at the home of the bride, in East 39th Street. Hodgson, Fifth avenue, had charge of the decorations, and white and green effects predominated, the flowers used consisting chiefly of Bride roses and lily of the valley.

The white china bowls, with the outer form of a swan, are again a feature for the holidays, and are being used filled with small ferns chiefly.

Charles Scallen will shortly open a retail store at 42d Street and Broadway.

Auction Sales.

With the sales of Friday the auction season for this year came to a close. Wm. Elliott & Sons report a very satisfactory season throughout, though prices have perhaps averaged a trifle lower than have obtained in other years. J. P. Cleary & Co. have experienced a successful season; the line of Japanese plants handled by this firm has not been so extensive as last year.

Jottings.

C. W. Ward, Queens, L. I., left Monday evening for a trip to Virginia and other points.

C. B. Weathered left Tuesday morning for a visit to Detroit, Mich.

Alfred Bunyard, who holds a responsible position with H. A. Siebrecht & Son, is in the Presbyterian Hospital suffering from an attack of typhoid fever.

James McManus is showing a fine collection of cyclamen plants in his window.

Visitors this week included T. W. Duggan, manager of the Dale estate, Brampton, Ont., and Otto Fehrlin, of Galveston, Texas.

The inventive genius of W. C. Krick, of Brooklyn, continues to develop with the passing years. His latest device is a serviceable, adjustable and folding Christmas tree stand, one that is very easily manipulated.

The annual dinner of the Tarrytown Horticultural Society will be held in the Florence Hotel, Thursday evening, December 27.

FIRES.

CHELSEA, MASS.—Fire occurred in the florist establishment of Michael Magee, 390 Broadway, December 9. The cause of the blaze was an overheated furnace. Damage about $100.

SOMERVILLE, N. J.—The greenhouses of Houston & Norton were totally destroyed by fire at 3 o'clock December 12. The fire was caused by the explosion of one of the boilers used for heating. The loss is $6,000.

Philadelphia.

The Market.

All of the cut-flower stores are doing good business. Every day brings many teas, receptions and dinners, and prospects for a busy season are very good. While there are plenty of flowers arriving daily, choice stock is at times difficult to obtain. Nearly all tea roses are showing the effects of the cloudy and warm weather during the Fall months, there being a large percentage with weak stems; these are piling up daily, and can only be disposed of for cheap work.

Carnations are improving in quality; still, fancy flowers are difficult to get every day. Prices have advanced to $3 and $4 per 100 for fancy stock. There is a surplus of the $1.25 and $1.50 per 100 grades.

Plant growers seem to be well satisfied with prospects for the Christmas trade. All kinds of plants are going well. There is a scarcity of four and five inch poinsettias, there being a good demand for dwarf plants of these for basket work. Many growers of these plants dropped them on account of the low price obtained the past few years. One dollar per dozen was the best figure received for the small sizes; now, this year, a much better price could be had.

Asparagus Sprengerii.

Several times recently it has been remarked that the variegated form of this plant was not constant. One grower in this city has had four plants that have been constant now for the past four years, and recently one plant was sold to a firm in Europe for $100.

Jottings.

The Bowling Club has decided to have a theater benefit this season; a date early in February is desired. The proceeds of the benefit will be used to some good advantage; one thing talked of is to give prizes for bowling to encourage the younger members.

The Little Darling, or 1,000 blossom rose, introduced by A. Blanc, is finding a good market with the retail stores as a cut flower. It is a dwarf perpetual blooming polyantha, of a delicate rosy pink color, and the hardiest of all this class of roses, blooming freely after six or eight degrees of frost, and when lifted from the ground and grown on under glass does very well. DAVID RUST.

Pittsburg.

The Market.

Trade for the past two weeks has been very satisfactory. There is an abundance of stock of good quality, excepting chrysanthemums, which are near the wind-up. Roses are in good condition, ranging in price from $5 up per 100. A good many Beauty are used, and very reasonable prices prevail.

Carnations have improved much; pink are plentiful, white and red being scarce at times. Prices at wholesale remain unchanged; at retail the flowers bring from 35c. to 75c. and over per dozen. Chrysanthemums are still coming in of good quality, but prices have advanced to 20c. and 25c. per bloom wholesale.

G. & J. Ludwig, Allegheny Market, had several fine consignments the past week, among the varieties being Invincible, Western King, Wm. H. Chadwick and White Bonnaffon; also a very fine pink named Superba.

Roman hyacinths and Paper White narcissus are plentiful at from $3 up per 100. Violets are choice and in good demand.

The Christmas greens trade is beginning to stir; ground pine is a little scarce and high in price. Moss also seems to be in short supply. Holly will be plentiful, also trees.

The plant trade for the holidays looks promising; at present sales are fair, ferns and fern dishes taking the lead. Flowering plants are not abundant; one of the best for the holiday trade is Begonia Gloire de Lorraine, of which John Bader has a small stock in fine shape. Mr. Bader's poinsettias are in good condition. He has just finished cutting a nice batch of Eucharis amazonica, which come in very handy, as lilies are yet scarce. Very few Harrisii will be cut for the holidays from present indications.

M. Renkauf, representing Bayersdorfer & Co.; S.S. Skidelsky and W.J. Boas, representing Edwards & Docker, were in town during the past two weeks. John Walker, of Youngstown, Ohio, was also a visitor.

The plans for a botanical school which were submitted to the city some time ago were adopted, and work will begin at once. E. C. REINEMAN.

Calendars Received.

Calendars for the year 1901 have been received at this office from the following firms and are hereby acknowledged with thanks:

AMERICAN BICYCLE CO. (Pope Sales Department Hartford, Conn.)—As useful and interesting as ever.

Buffalo, N. Y.

Chas. Keitsch tells me that after the rush of Christmas business the club intends taking up convention matters to formulate early plans. The hall has already been engaged.

SYRACUSE, N. Y.—Looking in on L. E. Marquisee, I found that gentleman examining a cutting bed of the white seedling from The Marquis, and to say this plant is stronger than the parent is asserting much, but it is so. There were no blooms on the plants, but no doubt we shall see the flower at Baltimore in February next. The Marquis is in fine shape, producing well; but I believe A. Woeppel, of Corning, can beat Mr. Marquisee at his own game, as it were. W. M.

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Orchids.

At the meeting of the horticultural section of the American Institute, New York, on Wednesday last, John E. Lager, of Lager & Hurrell, Summit, N. J., read a most interesting paper on the subject of orchid collecting. In his opening remarks Mr. Lager referred to the growing popularity of orchids and touched on their natural distribution. The greater bulk of our most useful orchids, he said, are indigenous to this hemisphere, the region including Mexico, Central and South America, the northern part of the latter country being the principal section from which all of our most desirable species grown to-day, for profit or pleasure, come. The speaker gave a vivid account of the dangers and difficulties experienced in the collection of orchids, and of the many inconveniences met with in the transportation of the plants from their native haunts to the sea coast, drawing also a charming word picture of the beauty of the scenery surrounding their mountain homes. Continuing, he said:

"The South American Andes present one of the most curious features in the distribution of species, not only of orchids, but of everything else in plant life. Trees and herbs of a given species will occur in abundance along a certain river course or valley, with not the slightest trace of them anywhere else until we stumble across the same identical flora 200 or 300 miles away. In orchids there are several instances of this. Miltonia vexillaria occurs rather plentiful in northwestern Colombia, thence it jumps southward and reappears again in Ecuador in the form of Miltonia vexillaria rubellum. Odontoglossum crispum is another species widely scattered under various forms, its principal region being immediately north of Bogota; thence it travels along the Eastern Cordilliera for about 100 miles, although very sparingly, when suddenly it jumps across to the eastern slopes of the Central Cordillera, along which it occurs continually in smaller quantities, and finally en masse round Pasto, the extreme south of the Cauca, or near Ecuador. Cattleya Trianæ, one of the finest, best and most useful orchids in cultivation, is entirely local, and where it occurs there are, strange to say, few other species of orchids worth collecting; at least at the same altitude, running, as it does, for a stretch of 300 miles along the slopes of the Eastern and Central Cordilleras. This fact alone, to some persons, would probably indicate that the supply is inexhaustible, but looking at the matter carefully, we find that it is at the present day quite limited, inasmuch as this orchid only occurs at an elevation of from 2,000 to 4,500 feet above sea level at the highest, beyond which it is looked for in vain. This, of course, gives this cattleya a comparatively narrow strip. Along the lower slopes of the mountains, and where plants only a few years ago were found in great abundance, they are now very much thinned out indeed, and the collector must, in the majority of cases, repass the same region and gather his plants at a slow rate compared to that of a few years ago only, and at a much greater expense. Now, this may be said in regard to almost all the staple varieties of orchids; they are disappearing fast, and the day is not far off when it will be utterly impossible to obtain them in quantities. Some one will tell me that 'this has been said before, and still they are coming' in greater quantities than ever before. Very true, and just for this very reason will the supply give out; for where only a few years ago one case of orchids was collected, there are now 100 cases collected; besides, the collector is not the only exterminator. There are the landowners, who mercilessly cut down and burn large tracts of forests, planting coffee and other crops on the space they occupied, which crops bring a better and more reliable return.

"The greatest number of our most showy orchids are epiphytes. They grow mostly on trees, a limited number on rocks or stones, and others are terrestrial. The most beautiful, undoubtedly, are the epiphytes. It is a great mistake to imagine these plants growing by the thousand on the trees; on the contrary, they are very much scattered indeed; where they occur only a few at the most are found on one tree—that is to say, of a certain species. Some trees might have one plant, others as many as ten, and the greater number none at all. The orchids are found mostly on soft wooded trees, attached to the trunks or in the crotches of the branches, but always in positions where they obtain abundance of light and air. They are scarcely ever found in the dense forests or jungles, but always along river courses or openings or breaks in the forests.

"In conclusion, I wish to say a few words in regard to the culture of orchids. There is hardly any other plant that is easier to grow, and, fortunately, the most showy and useful species, with few exceptions, are of the easiest culture. If the same attention is paid to orchids as is given to other plants in general, failures would be very few. Most species delight in an abundance of light and air, accompanied with plenty of water. Failures, as a rule, can be traced to too much heat, a too close and stuffy atmosphere in the house, and insufficiency of water. Almost any kind of a greenhouse will answer the purpose for growing orchids where the temperature may be kept, say, at a minimum of 55 degrees by night and 60 to 65 degrees during the day. A higher temperature is more injurious than beneficial. The glass should be lightly shaded with a mixture of white lead and naphtha, or some other substance that may be applied thinly, for although these plants love plenty of light, our sun is too strong for them during the Summer. It is also important to place the plants not too far from the glass; a distance of from one to three feet therefrom may be said to be just right. They will then, in most cases, make better and firmer growths and produce more and better flowers than if they are placed far from the glass. In potting, good soft, fibrous peat and some live sphagnum should be used, and the plants may be placed in either baskets, pots, pans or blocks; but in whatever receptacles they are put, they should be made firm, without ramming them in too hard. An orchid that is left loose in a basket or pot will never make much headway, but gradually dwindle away and finally die."

Henry A. Siebrecht, Sr., followed with a brief review of the development of orchid culture in America, mentioning the late Isaac Buchanan and Louis Menand as being among the first men to engage in the work commercially along about the early sixties. Cypripedlums insigne, venustum and barbatum, Dendroblum nobile, a few epidendrums, zygopetalums, and bletias, were among the first kinds grown in America. Later came cattleyas and lælias. It was not until about 1880, however, that commercial orchid-growing assumed any great proportions. Mr. Siebrecht said that Sander, of St. Albans, England, had done more for orchid culture in this country than any other firm.

Several very fine exhibits were on display, that from Lager & Hurrell, Summit, N. J., being the most extensive. Included in this collection were Cattleya Percivaliana, Odontoglossum Rossi majus, Vanda cœrulea, Lælia autumnalis alba, Sophronitis grandiflora, several cypripediums, Lycaste Skinneri, Miltonia Roezlii album, Calanthe vestita and C. Veitchii, Epidendrum vittelinum majus, Oncidlum varicosum and O. Cavendishianum. These and others not enumerated were all in fine flower and made a grand display.

Julius Roehrs, Carlton Hill, N. J., had also a very fine exhibit, among which were fine specimens of the white Cattleya Trianæ virginalis and C. Trianæ Delecerses, a very pale pink; Vanda cœrulea, V. Kimballiana and oncidiums in variety, also several calanthes.

J. McNicoll, gardener to Mr. G. W. Rand, showed a number of plants of Primula Forbesii, also well-grown poinsettias.

H. Clinkaberry, gardener to Mr. C. G. Roebling, Trenton, N. J., exhibited a fine collection of orchids in flower, among which were many elegant cypripediums, including C. Spicerianum, C. Laura Kimball, C. Sanderæ, C. Leeanum, C. Patrick O'Mara and several others.

A vase of the pink chrysanthemum Superba, from Nathan Smith & Son, Adrian, Mich., graced the president's table. A plant of oncidium from Peter Duff, Orange, N. J., was also staged.

J. G. Hayden, of Floral Park, showed a nice bunch of mignonette, and Charles H. Allen, of the same place, made an exhibit of carnations, among which was a pink seedling of delicate color and good size; also vases of Mrs. T. W. Lawson, G. H. Crane, Mrs. Frances Joost, Lizzie McGowan, General Maceo and Ethel Crocker.



Collection of Ferns, Exhibited by John Thatcher, Gardener to E. Le Boutillier, Esq., and Awarded First Premium and Silver Medal at Fall Show of Pennsylvania Horticultural Society.

NOTES BY THE WAY.

CORNING, N. Y.—A. Woeppel has a fine batch of Begonia Gloire de Lorraine, proving that with a little care this popular plant can be grown successfully. He purchased the stock in July—2-inch pot size—potted the plants up, carefully shaded and watered, taking care not to wet the foliage. They are now in 5-inch pots, with perfect foliage and laden with bloom, with a loss at the rate of but four to a hundred. Cyclamens are equally well grown here. Daybreak, Crane and White Cloud are his best carnations.

ELMIRA, N. Y.—Thanksgiving found Grove P. Rawson with not enough of his choice violets and chrysanthemums to go around. Carnations were equally as scarce, but are looming up for Christmas

E N & H. N. Hoffman have a grand bench of Lawson carnations and regret they did not plant more. America and Crane are in fine crop for Christmas, when red is in such demand.

BINGHAMTON, N. Y.—W. H Graham has added a wholesale branch to his business and is handling holly, etc., in bulk.

Mrs. M L. Barnes is well pleased with Thanksgiving business, and anticipates an equally good Christmas. Her health is much improved, so that she can again give her patrons personal attention.

SCRANTON, PA.—G. R. Clark has a well-grown lot of poinsettias and expects to sell every one at Christmas, when he looks for as good business as at Thanksgiving.

Marvin & Muir disposed of their chrysanthemums at good prices. T. W. Marvin told me his stock was never finer, nor sales more satisfactory than now.

HORNELLSVILLE, N. Y.—W. A. Wettlin, reports a good season; several first-class wedding decorations used up his best stock. He anticipates a busy Christmas.

BUFFALO, N.Y.—Poinsettias at William Scott's and Liberty rose at W. J. Palmer & Son's is the all-absorbing talk, floriculturally, at this time. At Cold Springs one house, 100 feet long, is filled with the gorgeous poinsettia, and so arranged as to form a sloping bank from the entrance, commencing with plants 6 inches and ending with those up to 6 feet in height. A brilliant and striking effect is produced. The demand promises to be as good at Christmas as usual. Palmer has a window decoration of this popular flower. Will Palmer tells me the firm has such success with Liberty rose that they are discarding Meteor entirely. This speaks volumes for the new rose, as they have been most successful at all times with Meteor. W. J. Palmer is ready to discard carnation Daybreak just so soon as something better comes along, but he is not prepared to desert the old favorite yet.

Philip Breitmeyer, of Detroit, was a visitor, attending the funeral of a relative. He was pleased with what he saw in the Exposition City, but set the boys' mouths watering when he described a funeral pall made just before he left home, which contained seven thousand violets, the whole order valued at $350. There is nothing slow about Detroit, and Breitmeyer can fill any commission required.

UTICA, N. Y.—Frank Baker reports most satisfactory business, both wholesale and retail. He has a large batch of Cœlogyne cristata, which is very useful in design work, but grows so freely one is soon apt to get overstocked. W. M.

QUESTION BOX

(253) **Rose Cuttings.**—E.A.P.—Rose cuttings may be taken at any time from now on to the first of April. Sand is the best material in which to root them, and if a bottom heat of 70 degrees can be maintained, so much the better.

(254) **Azalea Flowers Spotting.**—What causes the flowers of azaleas that are being forced for Christmas to come brown spotted? In fact, some buds are brown before opening. The plants are grown in a temperature of 65 degrees and are syringed freely.—A SUBSCRIBER.

—The brown spots on the flowers are probably caused by excessive syringing after the buds begin to open; if the flowers dampen off and fall in a day or two, the water standing in the half-opened flowers is undoubtedly the cause. The buds would also turn brown if the plants were allowed to become too dry at the roots while they are being forced.

(255) **Nitrate of Soda for Violets.**—Please tell me how much nitrate of soda I should use to one gallon of water for violet plants.

—I am sorry to say that I could not intelligently supply the information wanted, not having had any experience in using nitrate of soda in a liquid form on violets. However, I may say that I would not advise its use in this form, but would use it in another form and in connection with the other important elements of plant food. Liquid horse or cow manure, diluted so as to have the appearance of strong coffee, is in most general use, and would, I am sure, give much more satisfactory results.—P. H. DORSETT.

(256) **Plants for Easter Flowering.**—Kindly let me know when to start hydrangeas and H. P. roses to have them in bloom for Easter; also tulips and Dutch hyacinths. I have just received the roses from a nursery and have potted them up. The tulips and hyacinths were boxed up in October and are now covered up out doors.

What is the proper temperature for the sand in which to root carnations? also the degree of heat necessary in the propagating house?—W. H.

—The hydrangeas should go into the house now; then they can be allowed to come along slowly. The H. P. roses, if put in about the middle of January, will be all right. Tulips and hyacinths may remain out doors until the first week in March; then they can be brought in and had in bloom for Easter with very little forcing.

A temperature of 65 degrees will be found the best for propagating carnations, and the house 5 to 8 degrees lower.

(257) **Callas.**—What is the name of the most commonly grown calla, the flowers of which are sold throughout the United States generally for funeral work? How early can nice dry bulbs be had, and which sizes should I buy to obtain from 2 to 4 or 6 flowers during the months of October to June? I would like to have a fair cut in the month of October. Where may the best be had and how should they be started?—CUTFLOWER GROWER.

Juttlingen, Germany.

—The true name of the calla grown by our florists is Richardia æthiopica. The best bulbs are grown in California, and they can be had in good condition during the month of August. Those measuring from two to three inches in diameter will be found the most useful size. These will each produce fine flowers in the season from October to May. To start them, pot into five-inch pots, place under a bench until growth commences, then give full light with plenty of heat and moisture.

(258) **A Disease of Palms.**—Will you kindly let me know the cause and remedy of the spot disease on the palm leaves inclosed? Specimen A is from an old palm; B the leaf of a young palm on which mostly the new leaves get affected. Would fir tree oil solution affect the leaves, causing same to spot?—JERSEY CITY.

—The spot disease shown by the palm leaves from your Jersey City correspondent is caused by an anthracnose in cases where the spots have a black center, and by the punctures of insects, such as the various scales that infest palms, when the spots do not have the black center. The anthracnose referred to occasionally does a good deal of damage to various members of the palm family. Fir tree oil does not have anything to do with spotting of this kind, and will not injure palm foliage unless used too strong. This oil is often used to remove the scales from the foliage, and is probably the best thing for this purpose where only a few plants are to be treated.

About all that can be done to prevent the spot fungus is to keep the plants free from insect injury, which renders them more susceptible, and to remove the affected parts as thoroughly as possible. Anthracnose does not yield readily to treatment with sprays. Where palms are badly affected with this disease it is better to destroy them so as to prevent other plants from becoming infected.—ALBERT F. WOODS, United States Department of Agriculture.

(259) **Bulbs and Other Matters.**—On October 6 I potted bulbs of hyacinths, narcissus and freesias. I threw out 8 inches of soil from an ordinary cold frame and put in 4 inches of ashes placing the pots on the ashes. I filled in around the pots with soil, but put none on top. I boarded over the frame, filling the space with straw. When bringing in a few bulbs for Christmas I found that the hyacinths and freesias had thrown a long white shoot. Will you please tell me where I made the mistake? The hyacinths have three shoots Is it best to leave on the side ones or cut them off?

I bought a lot of 12x16 glass, with which I intended to enlarge in Spring. Is it best to have the sash bars 12 inches or 16 inches apart? The remainder of the house is laid with 16x24 glass.

One of my Bradt carnations threw a flower, one-half of which was all red, the other half a true Bradt. Is this a freak or a sport, and will a cutting reproduce a similar flower or not?—X. T. Y.

—Boarding over the frame and filling in the space between the bulbs and the boards with straw is where the mistake was made. A few inches of soil was all the covering that should have been applied. The freesia would have been better if put under a bench in a cool house, as with these in the roots and leaves start almost simultaneously. Where the hyacinths show three spikes it is best to let them all come along and develop. To pull away two of them would not make the remaining one any stronger or larger.

If the glass is double thick we should advise that the sash bars be 16 inches apart.

Mrs. Bradt carnation frequently sports in the manner indicated. Taking a cutting from the shoot would not perpetuate the sport.

President-Elect N. Y. Florists' Club Walter F. Sheridan.

The newly elected president of the New York Florists' Club, Walter F. Sheridan, is one of the leading wholesale cut flower commission merchants of the metropolis, whose place of business is located at 39 West 28th Street. A sketch of Mr. Sheridan's career appeared in our issue of December 2, 1899.



President-elect New York Florists' Club, Walter F. Sheridan.

The president-elect has been one of the club's most active members for many years, and it was largely to his skillful and methodical handling of the entertainment part of the recent S. A. F. convention that that most enjoyable feature proved so successful. Whatever makes for the progress or improvement of the club, merits at all times his warmest sympathy and support, and in this he will, we have no doubt, be found a most worthy successor to the gentleman who has so ably and acceptably guided the club's affairs during the past twelvemonth, and whose indefatigable and earnest work, combined with his exceptional ability, has placed the club on a firmer and better working basis than has heretofore been the case in its history. We have every confidence that the present satisfactory status of the association will be maintained during Mr. Sheridan's tenure of office, and that he will receive, as he assuredly deserves, the hearty co-operation of the membership. Much hard work will again devolve upon the presiding officer the coming year. Mr. Sheridan will be found equal to the task before him, for, like his predecessor, he is happiest when he works the hardest.

New York Florists' Club.

The club met on Monday evening, December 10, President O'Mara in the chair. The committee's report on the result of the interview with the managers of the Madison Square Garden, with respect to the holding of a flower show in the Fall of 1901, was read and accepted. The terms and conditions stipulated by the Garden people were considered most satisfactory and were accepted. The club will put up as good an exhibition as the season will warrant, and guarantee the premiums, the arrangements made for reimbursement of the necessary amount being of such a nature as cannot but result beneficially to the club. The decision to hold a show was most favorably received; and those present whose contributions to the guarantee fund, in connection with the S. A. F. meeting, and which amounts were not called for, at once agreed that the money be applied toward a similar fund for flower show purposes. Other guarantors are respectfully asked to consent to this being done in their cases also, and to notify the treasurer of the club to that effect on an early day. Vice-President Herrington was appointed to confer with the Chrysanthemum Society of America, looking to that body's coöperation with respect to the show. It is possible that the Chrysanthemum Society may hold a meeting in New York at that time. Mr. Withers will also confer with the American Dahlia Society on flower show matters.

An endeavor will be made to have a bowling tournament during the week of the exhibition, and Captain Traendly was empowered to work up interest therein.

Later in the evening an Exhibition Committee of 14 was appointed to draw up a preliminary schedule and otherwise make preparations for the exhibition. A Ways and Means Committee was also appointed.

The resolutions to be presented to ex-President Plumb, beautifully engrossed, were on view and much appreciated, and the Starin resolutions were read and approved.

The election of officers resulted as follows: President, Walter F. Sheridan; vice-president, Alex. Wallace; secretary, John Young, reëlected; treasurer, Chas. B. Weathered, reëlected; trustees: Wm. H. Siebrecht, Frank Traendly and Wm. Wallace Burnham. The officers-elect made suitable brief addresses, promising earnest work the coming year.

The treasurer announced that the medals awarded in connection with the horticultural exhibition in August last would be distributed between this date and New Year's.

J. B. Nugent, Jr., gave an interesting account of his recent trip into Canada, paying a grand tribute to the quality of the stock seen there. He believed it was impossible, owing to the high duty, to ship cut flowers into the United States from across the border and make it pay.

Frank McMahon told of his tour through Europe this year, speaking entertainingly upon the rose show at Trier, Germany, and the Paris Exposition. At Trier Mr. McMahon remarked the great prominence given to the rose Mme. Caroline Testout, which there did excellently in the open ground. The German rose growers seemed to favor the hybrid tea varieties.

During the evening the Entertainment Committee acted well its part, as usual.

Bridgeport, Conn.

Business has been quiet since Thanksgiving, though quite a good deal of funeral work is going on. Notwithstanding the recent bad weather, the stock here is in good shape and everything points to an abundant supply for Christmas.

I understand that quite a few greenhouses will be built in and around this town this coming summer.

The florists of Bridgeport ought to form a club. They would derive from it a great deal of benefit to themselves, besides much social enjoyment.

FICUS ELASTICA.

BRIEFS FOR BUSY FLORISTS.

LILIES are all on the benches now and the principal point to be watched is to keep the plants clean. Never let greenfly get a start; if once it does get a good foothold, then it is a continual struggle to keep the pest in check even. Tobacco stems placed among the pots and a fumigation once a week is very little trouble, and if these be afforded the fly will never be seen Among the Harrisii bulbs the dreaded disease has not shown itself very much thus far; but we have seen batches of Japan longiflorum that have got the disease bad Whether or not it will prove common among the Japanese bulbs this season remains to be seen.

H. P. ROSES that have been potted or boxed up direct from the nursery, and are intended for early Spring forcing, should not be allowed to stand outdoors without affording the plants some protection from the frost around the sides of the pots or boxes. Straw leaves or litter should be packed between them; then they may remain outdoors until they are needed for forcing. If no protection can be given the pots, they had better be placed in some shed where there is plenty of light, or they might be plunged in a cold frame and the sash left off.

CYCLAMENS.—The seedlings that are coming along for next year must not be allowed to become crowded in the seed pans or boxes. They need not be potted for the first shift. Transplant them into flats, using pure leaf soil and sand. Keep the flats in a good light house, and the nearer the glass the sturdier the growth will be. Care must be exercised in watering. A soggy condition in the soil will keep the seedlings from making any progress, and for this reason it will be found advantageous to allow for drainage in the bottom of the flats.

IN THE EARLY BEDDING SEASON, when baskets, veranda boxes, vases, etc., are being filled with plants, there is always a shortage of vines and trailers for use along the edges. This fact should not be lost sight of now. All stock plants of vincas, abutilons, ivy, geraniums, etc, should be potted up if necessary, and kept growing from now on, taking a batch of cuttings whenever obtainable.

GLOXINIAS.—Seed sown now will make good strong blooming plants next Summer. Use leaf soil in which to place the seed. Cover the seed very lightly and put a piece of paper over the pan until germination occurs.

Roses.

Read before the Chicago Florists' Club, December 8, by Paul Kopaaka.

To grow good roses requires knowledge, experience, good houses, ample heating facilities, plenty of water, good soil and other conveniences. If these essentials are all there, good material can be produced.

I will not take up your time by going into full details, but will simply say a few words about soil and feeding roses in the Winter months. Too much attention cannot be paid to the soil, for it is the foundation of the whole year's work. A good grower knows now the soil he is going to use next year. He prepares his soil a year, or at least six months, in advance of the time it is to be used. When planting and other rush work is completed he prepares his soil for next year by plowing a piece of old pasture and putting the sods grass side together in a pile of rectangular form. If the soil of the pasture is light and black he adds half as much heavy loam or clay. If it is heavy he adds lighter soil. Then he can put a half-inch-thick layer of bone meal on the whole length of the pile, a layer of one-year-old cow manure a foot thick, and an inch layer of slaked lime on top and all around the pile. The lime prevents insects from penetrating the soil and laying their eggs therein, and it helps to rot the manure.

When the pile is two or three months old it should be broken down and set over (repiled), so that the different parts are well mixed and the frost can get into it. Chop up all the lumps and your soil is ready for the coming season's use.

FEEDING.

Early planted roses should have a mulch of old cow manure about the latter part of August or beginning of September. A week after the mulch should be turned over, all the lumps made fine, worked into the soil in the bench and leveled off nicely. The daily watering will soon take the fertilizing properties of the manure into the soil, so you will need to begin giving liquid manure in October, especially in the case of American Beauty. A hungry soil produces blind wood, and the plants, lacking strength to force up bottom shoots, produce only eye shoots. But it is not wise to feed roses that are off crop. They should be given a little rest by lessening the amount of water for about a week.

Before giving liquid manure prepare for it by getting the soil on the dry side, and when affording the liquid make it the substitute for a thorough watering. It is preferable to feed when the roses are beginning to come in crop, and during the time a crop is being cut. It helps to develop the buds and gives them size and a richer color. During the dark months (November and December) I would advise feeding with liquid manure but once each month, during January and Februnry twice a month, and during March and April three times a month. Select a bright day in which to feed with liquid.

Three years ago I devoted a house to experiments in feeding, using bone meal, horn shavings, night soil, nitrate of soda and liquid cow manure, and found that the cow manure gave best results.

I was requested to write about American Beauty roses grown in center benches only. Last year we planted a range of 12 houses to this variety. The roses did well up to the end of November, and by that time the plants had grown up to the glass on the south side and also on the north side, and we had to spend considerable time in keeping them tied away from the glass. When we syringed the plants, owing to the amount of foliage on them, they would not dry at night and then our troubles began. It was hard to keep away the black spot, so I thought it would be best to plant the center benches only, and I am well satisfied with the experiment. At the present time our plants are good and will produce a heavy crop of flowers for the holidays.

In the two ranges that were built this year, with the Garland gutter, we have four benches in each house, and have planted the north and south benches with Bride and Bridesmaid, and with Beauty in the two center benches. At the present time all the plants are very good, but we shall be able to tell later if the shade caused by the Beauty makes much difference to the north bench. In the Summer I had Beauty carefully watered, great care being taken not to water the soil between the rows. After they had been planted about one month we put on a mulch of well-rotted manure, which I think was an excellent plan to protect the soil from the sun. We have given the plants one top dressing of bone meal since then. Our plants are in excellent health and are producing lots of fine flowers, with bright prospects for the future. After the holidays we shall give them some manure water.

Under what conditions can roses be grown with profit more than one year? The Bride and Bridesmaid can be grown the second year in the same soil. About the 1st of July we commence to withhold water, only syringing the plants every day. We continue this treatment for about six weeks; then we prune the tops and take out all the poor wood in the bottom and scrape off some of the soil, as much as possible, from the surface, and then put on a top dressing of manure and soil mixed. After that, we bend the plants down and syringe twice every day. After the eyes commence to break the soil can be more freely watered till thoroughly soaked through.

We have some Golden Gate which we kept growing all the Summer. This is a grand rose; it is so prolific. It must be shaded in the Summer, as it cannot endure the hot sun; the petals will burn. The two-year-old roses are greatly benefited by manure watering every two weeks during the Winter.

GEO. COLLINS.

Washington.

Harrisii Lilies from Seed.

E. M. Byrnes, of the Propagating Gardens, recently began experiments in hybridizing Lilium Harrisii with one or two other kinds. Last year three plants ripened seeds; these were sown during August. From the time the seedlings appeared above ground they were kept growing all Winter. Within nine months from the sowing of the seed a number of the plants produced from one to three blooms, but as the plants had not then reached full size it could not positively be ascertained whether they were hybrids, simply Harrisii seedlings or variations from that well-known variety. After ripening, the bulbs, which were of fair size, were repotted, and now they show growths strong enough to average four or five blooms to each plant.

Improvement of Public Parks.

Samuel Parsons, Jr., has submitted to the Chief Engineer a report on the subject of remodeling the large tract of park land west of the United States capitol, including the Botanic Garden, Smithsonian and Agricultural Grounds. Mr. Parsons' scheme will entail an expenditure of $7,000,000. This includes the purchase of ground south of Pennsylvania Avenue from Third to 15th Street, and also that north of Maryland Avenue within the same limits. This ground is occupied by buildings principally of an undesirable character. The scheme has been spoken of very highly by the authorities in the War Department, and is likely to be adopted by Congress should it decide to make the appropriation.

Inaugural Ceremonies.

John J. Edson has been appointed by Senator Hanna chairman of the Inaugural Committee. Mr. Edson has not yet announced the name of the chairman of the sub-committee on decorations, which, among other matters, has the awarding of the contracts for the decoration of the ball-room. The sum set apart for this work is usually $10,000.

Open Weather.

Although we have had frosts severe enough to kill tender plants such as cosmos, a few plants are yet showing bloom. The outdoor chrysanthemums are yet in a presentable condition. Pansies are in full flower. Empress of China and Clothilde Soupert roses have some open blooms and lots of buds. Chimonanthus fragrans missed last season, owing to the big freeze of two years ago; now the wood of last Summer is covered with flowers and buds.

Other plants still in bloom are Pyrus japonica, antirrhinum and sweet alyssum.

G. W. O.

Cincinnati.

Trade News.

Business during the past week has been all that could be desired. Stock has been very good and prices reasonable. As already predicted, roses will be scarce for Christmas. Carnations will not be any too plentiful, either.

Saturday was the first carnation meeting of the Florists' Society, and the exhibits were much better than expected, owing to the manner in which carnations all over the country have been acting. Henry Weber & Son, of Oakland, Md., had a fine display, among them Norway, a seedling of Mrs. Fisher color, pure white, flower 2 to 3 inches in diameter, with a fine stem, an all-round good sort, and Egypt, a dark crimson. Both varieties scored over 85 points. Genevieve Lord and Number 11, a pink seedling, were also very fine. W. K. Partridge won first prize for best vase of 50 blooms white with White Cloud, also first on pink with Mrs. Frances Joost; first for red with G. H. Crane. He also took premier honors for best vase of 100 assorted blooms, showing, too, a fine lot of Bride and Bridesmaid roses.

The South Park Floral Co. made a fine display of American Beauty, Bride and Bridesmaid. They took first prize on the two latter. These roses were the best seen in this market in a long time.

Ed. Helfrich, of Washington C. H., O., also exhibited Bride and Bridesmaid in fine shape.

Wm. Murphy had a large display of carnations in all the leading varieties, staged for exhibition only

R. Witterstaetter made a fine showing of his seedlings. Among these were several new ones, of which we will hear more later. He took firsts for best vase of seedlings, any color, best vase of pink, and first prize (ventilating apparatus valued at $25) for best seedling with Enquirer. The latter was, perhaps, better than ever seen before.

Mrs. E. T. Graves staged 50 blooms of Dorothy. This is certainly a fine flower, and if it proves to be a producer will become quite a favorite. It has the color that sells, the size and a good stem. The only objection, if it can be called an objection, is that the flower is a little too much fringed, though this I do not think will militate against its selling qualities. It was up for a certificate and scored over 85 points.

The weather is all that can be desired at present; the sun has been shining brightly for the past three days, and carnations in the houses are moving along nicely.

There will be plenty of bulbous stock for the holidays, and it will be the best we have had in many years. Valley sells at $4 per 100; Roman hyacinths and Paper White narcissus at $3.

Major Bonnaffon and Minnie Wanamaker chrysanthemums are still being received from George Bayer, of Toledo, O. These sell up clean at from $1.50 to $1.75 per dozen.

J. A. Peterson has just returned from a successful trip among the florists in the north central States. E. G. G.

Providence, R. I.

The Market.

A large amount of decorative work has been done here this season, notably that by J. H. Small & Son, of New York, for a church wedding. Seldom has there been such elaborate work executed in this city, and it is unfortunate that such orders could not be given to a home florist. Other lines of the business were quiet previous to Thanksgiving, and owing to the stormy weather preceding, the whole Thanksgiving trade was done in about one day. It was equal to that of last year. There was a good supply of chrysanthemums, excepting white varieties. Violets were to be had only in very limited quantities.

Beauty roses are scarce at all times. Carnations are not very plentiful; the quality is only fair; the ruling price is $2 per 100 for all kinds, except a few special fancies. Roses are hardly up to standard this season and very scarce. Roman hyacinths and Paper Whites are in good demand. Lilium Harrisii have been in the market for two weeks and find a steady demand at $15 per 100.

Jottings.

E. J. Johnstone has leased the place formerly occupied by Mr. Collamore, on Franklin Street. He has remodeled the store and is in hopes of reviving a good business at that stand. He will have a fine lot of Chinese primroses in flower for the Christmas trade, besides a large collection of palms, ferns, etc.

A. Svenson reports good business and finds his new houses, recently built, insufficient to produce stock enough to meet the demands. Sam. Kinder, of Bristol, is now setting up the cigars. Mother and son are doing well.

Holly has appeared in the market and is handled altogether by the commission men, being bought at retail at every street corner. Some choice grades are handled by Rennie & Pino, seedsmen.

T. J. Johnston was in Boston and vicinity one day this week on a business trip. M.

Poughkeepsie, N. Y.

Dutchess County Horticultural Society.

The regular meeting of the society was held December 5. There was a good attendance. The principal business was the nomination of officers for the ensuing year. The following gentlemen were nominated: President, James Blair, Thomas Emerson and Clarence Reynolds; vice-president, William G. Saltford, Wm. J. Sloan and Harold Cottam; treasurer, Chas. Mitchell; secretary, H. J. Oosterboudt and W. G. Gomersall.

A communication was received from Miss C. Cruger, stating that the American Rose Society had offered a silver medal, to be awarded at the Annandale show next June to the exhibitor making the best display of named roses. The co-operation of the Dutchess County gardeners was requested to make this show a success.

The Dutchess County Horticultural Society voted a sum of $10 to the Annandale Rose Show Committee, to be offered as a premium, to be known as "The Dutchess County Horticultural Society Prize." Five new members were elected.

The next meeting will be held on January 2, when the officers will be elected.

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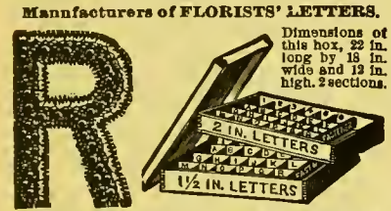

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Buffalo.

Business Hits.

Trade among the retailers is fair, with a general opinion that active conditions somewhat out of the usual will exist at the holidays. Flowers seem in fair supply, with good violets scarce.

A run among the near-by growers of decorative stock for holiday uses shows hardly above the average quantity; the chances are all will sell out clean. At Wm. Scott's Cold Spring place poinsettias were most noticeable. Some made-up pans of these plants are very taking in appearance. Palms and ferns are also features.

J. H. Rebstock's houses are gay with some well-done Begonia Gloire de Lorraine and cyclamens. Azaleas in flower look very salable, and poinsettias have noticeably large heads, the largest we remember ever seeing.

Chas. D. Zimmerman makes a specialty of Ardisia crenulata. A lot of Boston ferns and Lorraine begonias also elicit admiration.

Neubeck & Myers have a batch of the now older variety Begonia incarnata. Properly grown, this still possesses distinctive merit.

Palmer & Son, at Lancaster, N. Y., have a fine batch of poinsettias.

We regret to note the illness of W. J. Palmer, Sr., who is confined to the house with some lung trouble.

C. J. Pult, of North Tonawanda, the "sod-crusher" man, was a caller on Wednesday. He has been abroad part of the Summer in Switzerland.

VIDI.

Baltimore.

The Market.

Weddings and parties have somewhat enlivened the otherwise rather dull trade during the past two weeks. Chrysanthemums are about cleaned out, and both roses and carnations are a little scarce. The outlook for Christmas is a shortage of the standard flowers, with a possible exception of white carnations.

Gardeners' Club.

The club held a very well-attended meeting on Monday and transacted some important business. Accepting the invitation of the Maryland State Horticultural Society, the club became a member of said society by unanimous vote. This promises to be of great benefit to both societies. Forming as they do a strong organization and representing all the horticultural interests, they will have social and political influence enough to well protect and promote the profession. The club maintains its identity as an independent association, but naturally the scope of its work will become considerably broader, and its affiliation with the State Society will undoubtedly induce members of that society to join the club. Professor William G. Johnson, State Entomologist and secretary of the State Society, was elected honorary member of the club. This gentleman gave very interesting and highly appreciated advice on cyanide fumigation, and will practically demonstrate the operation in a violet house belonging to Tom Patterson which is infested with black aphis. Professor Johnson is an enthusiastic advocate of cyanide fumigation and recommends it for general greenhouse use. He emphasized the necessity of handling the deadly poison only after getting thoroughly acquainted with its nature, but asserts that it is the most convenient and effective weapon against insect pests.

A question referring to the carnation thrips and the subsequent discussion disclosed the fact that even the men who we were wont to look upon as expert bugologists could not give a comprehensive description of the troublesome insect; beyond its color and jumping proclivities no definite data could be obtained.

The organizers of the carnation convention laid very favorable reports before the meeting.

Carnation Seedlings.

These abound around Baltimore, and a number of them are of uncommon value. Henry Fisher exhibited a fine vase of new seedlings at the last club meeting.

The Maryland State Horticultural Society will hold its annual meeting in Baltimore, December 20 and 21. Professor L. H. Bailey will deliver an address, as will a number of well-known fruit growers and scientists. T. E.

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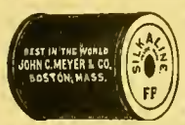

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St. Louis.

The Market.

Receipts of stock have not been heavy the past week, nor has trade been anything extra. American Beauty roses and violets are in short supply. The asking price for the latter is $1.25 per 100. Other roses, as well as carnations, are in fair supply, with prices unchanged from those of last week. Bulbous stock is coming in more freely and sells out tolerably clean.

As regards the Christmas supply, this at present, seems very uncertain. The wholesale men, in some instances, decline to make any promises as to what they can furnish. The principal activity just now is in preparing green and holly. Ostertag Bros. are making great efforts to supply their very heavy trade in these lines; they have made up 2,500 little bells, and their trade in festooning runs up into the 10,000 yards. They were fortunate enough to get a good supply of green.

J. J. Beneke had a large decoration for a banquet this week, and as a consequence the town supply of flowers in several items ran out. He was also so unfortunate as to be obliged to serve on a jury at the same time. C. C. S.

Boston.

Trade Notes.

Business moves along fairly well, and all are looking forward to a good Christmas trade.

Stock is rather scarce, especially the better grades, and the demand has increased proportionately.

In roses American Beauty do well, extras bringing $45 to $50 per 100; No. 1, $25 to $35; seconds, $12.50 to $16; smaller grades, $8 and $10. Bride and Bridesmaid are improving; extras range from $12.50 to $16 per 100. Kaiserin are now showing green and do not sell well. Meteor, Liberty and Morgan are rather scarce, bringing from $3 to $8 per 100.

Carnations are in fair supply, but the demand for them has increased materially with the passing of the chrysanthemums. Good to extra stock realizes $2 to $2.50 per 100, fancies selling at $3 to $4.

A few good chrysanthemums are still to be had; these sell well at from $1 to $1.50 per dozen for ordinary stock, extras going to $2 and $2.50 per dozen.

Violets are very short and good stock is cleaned up daily; $1.50 per 100 is the ruling price for fine violets, though there are poorer grades which sell at 75c. and $1 per 100. Valley is plentiful. Harrisii lilies are in fair supply and of pretty good quality, bringing $10 to $12.50 per 100. Paper Whites and Romans have become very plentiful, and though they meet with some demand, the general supply moves slowly at an average of $1.50 per 100 for good stock of either.

John N. May, of Summit, N. J., who was in town two or three days last week, completed arrangements for the purchase of the rose Mrs. Oliver Ames, from Robert Montgomery, of Natick, Mass. The variety Mrs. Oliver Ames is a sport from Mrs. Pierpont Morgan, and originated with Mr. Montgomery about two years ago. The flower resembles the type quite a little in form and habit, but is of a lighter color with more delicate shading. At the recent chrysanthemum exhibition of the Massachusetts Horticultural Society, where Mr. Montgomery staged a handsome vase of flowers of this rose, he was awarded a bronze medal. F. J. N.

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AZALEAS, from 50c.; 75c.; $1.00; $1.25; $1.50; $2.00; $2.50; $3.00; $4.00; $5.00 each.

On hand in 3 colors.

ERICA FRAGRANS, white, 50c.; 75c.; $1.00 to $5.00 each.

ERICA WILMOREANA, pink, 50c. and 75c. each.

EPACRIS, pink, new, $1.00 each.

CYCLAMEN, 35c. and 50c. each.

PRIMULA OBCONICA, $3.00 and $4.00 per dozen.

DAISIES, very large, $2.00 each.

FRUITED PLANTS.

ORANGES, 75c.; $1.00, $1.25; $1.50; $2.00 each.

PEPPERS, 35c. and 50c. each.

ARDISIA CRENULATA, 50c.; 75c.; $1.00; $1.50; $2.00 each.

JERUSALEM CHERRIES (Solanum) 25c. to $1.00 each.

BOSTON FERNS, 50c.; 75c.; $1.00; $1.50; $2.00 per pot or pan.

ARAUCARIA EXCELSA, 75c.; $1.00; $1.25; $1.50; $2.00 each.

ARAUCARIA GLAUCA, $2 to $3 each.

" **ROBUSTA COMPACTA,** $3.00 each.

FOLIAGE PLANTS.

RUBBERS, $4.00; $5.00; $6.00 per doz.; very fine plants, about 2 feet high, $40.00 per 100.

LATANIAS, 3 in a pot, $1.50 each. Single, 50c to $1.50 each.

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ASPIDISTRAS, $1.50 to $2.50 each, fine plants, variegated and green.

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2½ inch	$0 50	$3.00	$25.00
3 "	1.00	10.00	80.00
4 "	2.25	15 00	
5 "	4.00	30.00	
6 "	5.00	35.00	

N. CORDATA EXALTATA, fine and heavy, 4 inch, $1.75 a doz; $15.00 a 100.

Alternantheras. A. Nana yellow, P. Major red. R. Nana pink, 50c. a 100, $1.00 a 1000.

Geraniums, fine assortment all the best varieties 2½ in., $2.00 a 100.

Cash with order.

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4-5	" "	20-24 "	25.00 "
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1 plant, 3 in. pot, 12 in. high, $25.00 per 100.
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KENTIA BELMOREANA.

4 in. pot,	5 to 6 lvs,	15 in. high,	$4 50 per doz.;	$35.00 per 10	
6 "	6 "	24 "	15.00 "	25 00 "	
8 "	6 to 7 "	30 to 32 in. high		3.00 each	

KENTIA FORSTERIANA.

4 in. pot,	4 to 5 lvs,	15 in. high,	$4.50 per doz.;	$35 00 per 100	
6 "	5 lvs,	24 to 28 "	$1.00 each;	$12.00 per doz	
6 "	5 to 6 lvs,	30 "	1 25 "	15.00 "	
6 "	6 lvs,	36 to 40 "	3.00 "	36.00 "	

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CHOICE, HARDY STOCK, Perfect in every respect.

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Kentia Belmoreana, 3 in. at 20c. and 25c.; 4 in. at 40c and 50c.; 5 in. at 75c.; 6 in. at $1.00 and $1.25; 8 in. at $2.00.

Kentia Forsterinna, 3 in. at 20c. and 25c.; 4 in. at 40c. and 50c.; 6 in. at 75c.

Latania Borbonica, 4 in. at 25c.; 6 in. at 50c and 75c. Made up, 3 plants, 6 in. at 75c.; 8 in. at $1.00.

Livistona Rotundifolia, 4 in. at 40c.; 5 in., at 75c.

Pandanus Veitchii, 6 in. at 75c. and $1.00; 8 in. at $2.00.

Cocos Weddelliana, Ficus Elastica, Dracena Terminalis, Dracæna Sanderiana, Araucaria Excelsa, Etc., Etc.

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Mine is the Genuine Stock.

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2¼ in. pots, $3.00 per 100; $28 00 per 1000.

Asparagus Plumosus Nanus, 2½ in. pots, strong, $6.00 per 100.

Asparagus Sprengeri, 2½ in. pots, strong, $4.00 per 100.

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Strict Attention to Business
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CONSIGNMENTS SOLICITED
I WILL HAVE A SELECT LINE OF
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SWEET PEAS CARNATIONS

Established 1891.
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404-412 E. 34th St., N. Y., near Ferry.
Open every Morning at 6 o'clock for the Sale of Cut Flowers.
This is not a commission house; the market consists of individual stands.
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Consignments of First-Class Stock Solicited.
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Specialties: Best Beauties, Bride, 'Maids and Meteors.
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Wholesale Prices of Cut Flowers, New York, December 14, 1900.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. Beauty, fancy—special	60.00 to 75.00	Carnations	Ini'r grades, all colors	.50 to .75
	" extra	35.00 to 50.00		Standard Varieties: White	.75 to 2.00
	" No. 1	15.00 to 30.00		Pink	.75 to 2.00
	" Culls & ordinary	6.00 to 10.00		Red	.75 to 2.00
	Bride, 'Maid, fancy—spe'l	8.00 to 12.00		Yel. & Var.	.75 to 2.00
	" extra	6.00 to 8.00		*Fancy— ("The highest grades of standard var.) White	3.00 to 4.00
	" No. 1	3.00 to 5.00		Pink	3.00 to 4.00
	" No. 2	1.00 to 2.00		Red	3.00 to 4.00
	K. A. Victoria	3.00 to 10.00		Yel. & Var.	3.00 to 8.00
	La France	..... to		Novelties	6.00 to 15.00
	Liberty	4.00 to 20.00		Lily of the Valley	2.00 to 4.00
	Meteor	2.00 to 10.00		Mignonette—ordinary	2.00 to 4.00
	Papa Gontier	..... to		" fancy	6.00 to 8.00
	Perle	2.00 to 5.00		Narcissus Paper White	1.50 to 2.00
Adiantum		.50 to .75		Orchids—	
Asparagus		25.00 to 35.00		Cattleyas	40.00 to 60.00
Callas		8.00 to 10.00		Cypripediums	..... to 12.00
Chrysanthemums		..... to		Dendrobium formosum	15.00 to 25.00
" fancy		..... to		Roman Hyacinths	1.00 to 1.50
Daisies		.50 to .75		Smilax	8.00 to 10.00
Lilies		12.00 to 15.00		Violets—ordinary	.50 to 1.00
				" fancy	1.00 to 2.00

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In Endless Varieties and Quantity.

RIBBONS
Quality and Price to Suit the Most Exacting.

PHILADELPHIA

Wholesale Prices of Cut Flowers—Per 100

Names and Varieties		Boston Dec. 13 1900	Philadelphia Dec. 13, 190	Baltimore Dec. 12 1900	Buffalo Dec 12 1900	Toronto Dec. 13 1900
A. BEAUTY, fancy—special		40.00 to 50.00	40.00 to 50.00	.... to	40.00 to 60.00	.... to ....
" extra		25.00 to 35.00	25.00 to 35.00	.... to	30.00 to 35.00	25.00 to 40.0
" No. 1		10.00 to 20.00	20.00 to 25.00	15.00 to 30.00	20.00 to 25.00	.... to 10.00
" Culls & ordinary		4.00 to 8.00	6.00 to 15.00	6.00 to 12.00	.... to	.... to ....
Bride, 'Maid, fancy—spc'l		14.00 to 16.00	8.00 to 10.00	.... to	.... to	.... to ....
" extra		10.00 to 12.50	6.00 to 8.00	.... to	5.00 to 8.00	.... to ....
" No. 1		5.00 to 8.00	4.00 to 6.00	6.00 to 8.00	3.00 to 4.00	8.00 to 12.00
" No. 2		2.00 to 5.00	2.00 to 5.00	3.00 to 5.00	.... to	2.00 to 5.00
Roses K. A. Victoria		4.00 to 12.5	8.00 to 12.00	3.00 to 6.00	4.00 to 8.00	.. .. to ....
La France		.. to ..	4.00 to 10.00	3.00 to 6.00	.... to	.... to ....
Liberty		2.00 to 8.00	10.00 to 20.00	5.00 to 8.00	.... to	10.00 to 15.00
Meteor		2.00 to 8.00	2.00 to 15.00	4.00 to 6.00	.... to ...	2.00 to 8.00
Papa Gontier		.... to ...	.... to	2.00 to 4.00	.. to	.... to ....
Perle		4.00 to 6.00	3.00 to 8.00	3.00 to 5.00	2.00 to 3.00	.... to ....
ORCHIDS—Cattleyas		.... to	.... to 50.00	.... to	.... to ...	30.00 to 35.00
Cypripediums		.... to	.... to 15.00	.... to	.... to	12.00 to 15.00
Dendrobium formosum		... to	.... to	.... to	.... to	.... to ....
Carnations Inf'r grades, all colors		1.50 to 2.00	.75 to 1.00	.75 to 1.25	1.25 to 1.5	1.00 to 2.00
STANDARD VARIETIES White		.... to 2.00	1.50 to 2.00	1.50 to 2.00	1.50 to 2.00	2.00 to 4.00
STANDARD VARIETIES Pink		.... to 2.00	1 50 to 2.00	1.50 to 2.00	1.50 to 2.00	.... to ....
STANDARD VARIETIES Red		.... to 2.00	1 50 to 2.0	1.50 to 2.00	1.50 to 2.00	.... to ....
STANDARD VARIETIES Yel.&Var		.... to 2.00	1.50 to 2.00	1.50 to 2.00	1 50 to 2.00	.... to ....
*FANCY— White		.... to 2.50	2.50 to 4.00	2.50 to 4.00	3.00 to 4.00	5.00 to 6.00
*FANCY— ("The highest grades of standard var) Pink		.... to 2.50	2.50 to 4.00	2.50 to 4.00	3.00 to 4.00	5.00 to 6.00
*FANCY— ("The highest grades of standard var) Red		.... to 2.50	2.50 to 4.00	2.50 to 4.00	3.00 to 4.00	5.00 to 6 00
*FANCY— ("The highest grades of standard var) Yel.&Var		.... to 2.50	2.50 to 4 00	2.50 to 4 00	3.00 to 4.00	5.00 to 6.00
NOVELTIES		3.00 to 4.00	3.00 to 6.00	.... to	.... to	5.00 to 6.00
ADIANTUM		.75 to 1.00	.75 to 1.0	.... to 1.00	.75 to 1.25	.50 to .75
ASPARAGUS		35.00 to 50.00	35.00 to 50.00	25.00 to 75 00	50.00 to 60.00	30.00 to 50.00
CALLAS		.... to	8.00 to 10.00	6.00 to 10.00	0.00 to 15.00	6.00 to 10.00
CHRYSANTHEMUMS		8.00 to 12.50	.... to	8.00 to 8.00	.... to	.... to ....
CHRYSANTHEMUMS " Fancy		12.50 to 16.00	.... to	10.00 to 20.00	.... to	10.00 to 20.00
DAISIES		.... to	.... to	.... to	.... to	.... to ....
LILIES		8.00 to 12.50	.... to	.... to	.... to	.... to ....
LILY OF THE VALLEY		2.00 to 4.00	2.00 to 5.00	.... to	3.00 to 4.00	3.00 to 6.00
MIGNONETTE—ordinary		1.00 to 2.00	.... to	.75 to 2.00	.... to	.... to ....
MIGNONETTE— " fancy		.... to 3.00	.... to	.... to	.... to	4.00 to 5.00
NARCISSUS		1.00 to 1.5	3.00 to 4.00	.... to	3.00 to 4.00	3.00 to 4.00
SMILAX		.... to	12.00 to 20.00	10.00 to 25.00	15.00 to 20.00	.... to ....
VIOLETS—ordinary		.75 to 1.00	.50 to .75	.50 to .75	.75 to 1.00	1.00 to 1.50
VIOLETS— " fancy		.... to 1.25	1 00 to 1.5	.... to 1.00	1 50 to 2.00	.... to 2.00

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CHOICE FLOWERS
Shipping orders receive careful and prompt attention.
JOHN H. DUNLOP, Toronto, Ont., Canada.
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Detroit.

The Detroit Florists' Club, at its last meeting, decided to give a flower show next November. A special committee was appointed to prepare the premium list.

The club will send a large delegation to the annual meeting of the American Carnation Society in Baltimore in February next, and a strong bid will be made for the convention of that society being held in Detroit in 1902.

Tarrytown, N. Y.

The Tarrytown Horticultural Society held its monthly meeting on November 28. The chief business of the evening was the nomination of officers for the ensuing year. Henry Rayner was elected to membership. R. A.

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CUT FLOWERS FOR CHRISTMAS
Our Bulbous Stock for the Holiday Trade will be the VERY BEST, and please note Low Prices:
20,000 LILY OF THE VALLEY, At $4.00 per 100. 10,000 ROMAN HYACINTHS, At $3.00 per 100.
20,000 PAPER WHITE NARCISSUS, At $3.00 per 100.
In other stock will have Roses, Carnations, Violets, Adiantum, Smilax, Ferns, etc., at market prices. Send orders at once.
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In Cut Flowers and Florists' Supplies. Manufacturers of Wire Work.
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Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Chicago Dec. 12, '00	St. Louis Dec. 10, '00	Cincinnati Dec. 11, '00	Milwaukee Dec. 10, '00	Pittsburg Dec. 11, '00
Roses	A. BEAUTY, fancy—special	45.00 to 50.00	40.00 to 50.00	25.00 to 40.00	20.00 to 30.00	35.00 to 50.00
	" extra	25.00 to 30.00	25.00 to 35.00	.... to 25.00	12.50 to 15.00	20.00 to 30.00
	" No. 1	12.00 to 15.00	15.00 to 20.00	.... to 20.00	8.00 to 10.00	10.00 to 15.00
	" Culls & ordinary	5.00 to 8.00	8.00 to 12.5	8.00 to 10.00	4.00 to 8.00	4.00 to 8.00
	Bride, Maid, fancy-spec'l	7.00 to 8.00	.... to 8.00	.... to 8.00	.... to 8.00	8.00 to 10.00
	" extra	5.00 to 8.00	6.00 to 7.00	.... to 5.00	.... to 6.00	5.00 to 7.00
	" No. 1	3.00 to 4.00	4.00 to 5.00	.... to 4.00	.... to 4.00	3.00 to 4.00
	" No. 2	.... to 2.00	.... to 3.00	.... to 3.00	.... to 2.00	1.50 to 2.00
	K. A. Victoria	4.00 to 7.00	3.00 to 6.00	.... to	4.00 to 6.00	.... to ....
	Liberty	5.00 to 10.00	.... to	.... to	4.00 to 6.00	8.00 to 10.00
	Meteor	3.00 to 7.00	4.00 to 8.00	2.00 to 8.00	4.00 to 6.00	8.00 to 10.00
	Perle	2.00 to 5.00	3.00 to 6.00	3.00 to 4.00	3.00 to 5.00	3.00 to 6.00
	ORCHIDS—Cattleyas	.... to	.... to	.... to	.... to	.... to ....
	Cypripediums	12.00 to 15.00	.... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	1.00 to 1.5	1.00 to 1.25	.... to	1.00 to 2.00	1.00 to 1.25
	STANDARD VARIETIES White	1.50 to 1.75	1.50 to 2.00	.... to 2.00	1.00 to 2.00	1.50 to 2.00
	STANDARD VARIETIES Pink	1.50 to 2.00	1.50 to 2.00	.... to 2.00	1.00 to 2.00	1.50 to 2.00
	STANDARD VARIETIES Red	1.50 to 2.00	1.50 to 2.00	.... to 2.00	1.00 to 2.00	1.50 to 2.00
	STANDARD VARIETIES Yel.&Var.	1.50 to 2.00	1.50 to 2.00	.... to 2.00	3.00 to 4.00	1.50 to 2.00
	*FANCY— White	3.00 to 4.00	2.50 to 3.00	.... to 3.00	3.00 to 4.00	2.00 to 3.00
	*FANCY— Pink	4.00 to 5.00	2.50 to 3.00	.... to 3.00	3.00 to 4.00	2.00 to 3.00
	*FANCY— Red	4.00 to 8.00	2.50 to 3.00	.... to 3.00	3.00 to 4.00	2.00 to 3.00
	*FANCY— Yel.&Var.	4.00 to 5.00	2.50 to 3.00	.... to 3.00	3.00 to 4.00	2.00 to 3.00
	(*The highest grades of standard var) NOVELTIES	.... to	.... to	.... to	3.00 to 4.00	.... to ....
	ADIANTUM	.75 to 1.00	.... to 1.00	.... to 1.00	.75 to 1.00	.75 to 1.00
	ASPARAGUS	50.00 to 80.00	.... to	.... to	20.00 to 80.00	35.00 to 75.00
	CALLAS	8.00 to 12.00	.... to	.... to	.... to	.... to ....
	CHRYSANTHEMUMS	5.00 to 10.00	.... to	.... to	4.00 to 8.00	10.00 to 15.00
	" Fancy	12.00 to 25.00	.... to	12.50 to 15.00	.... to	20.00 to 25.00
	DAISIES	.75 to 1.00	.... to	.... to	.... to 5.00	.... to ....
	LILY OF THE VALLEY	4.00 to 5.00	4.00 to 5.00	.... to 4.00	.... to	.... to ....
	MIGNONETTE—ordinary	2.00 to 8.00	.... to	.... to	.... to	.... to ....
	NARCISSUS	3.00 to 4.00	3.00 to 4.00	.... to 3.00	.... to	2.00 to 3.00
	SMILAX	10.00 to 12.50	12.50 to 15.00	.... to 15.00	12.50 to 15.00	10.00 to 15.00
	VIOLETS—ordinary	.75 to 1.00	.... to .75	.... to 1.00	.... to 1.00	.... to ....
	" fancy	2.00 to 3.00	1.00 to 1.25	.... to 1.50	1.50 to 2.00	.... to ....

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A Business Paper FOR Business Men:
The FLORISTS' EXCHANGE

A. G. PRINCE & CO. Beg to announce to their friends and patrons that they have closed their city salesroom and that hereafter the entire product of the two establishments of the HINSDALE ROSE COMPANY and the large greenhouses of MR. HENRY PAYNE, will be consigned to **MR. E. H. HUNT, 76-78 Wabash Ave., Chicago, Ill.** A. G. PRINCE & CO.

Mention the Florists' Exchange when writing.

THE FLORISTS' EXCHANGE, $1.00 A YEAR.
Subscribe before the New Year commences.

NOTICE!

TO INSURE SAFE ARRIVAL OF PLANTS in cold weather, customers, when ordering, should give route by which plants should be shipped, and at same time notify agent in their end of line to place box in heated room until same can be called for by consignee.

Agents should be cautioned not to deliver plants except in heated wagon in freezing weather.



NEPHROLEPIS WITTBOLDII.

Strong plants from bench, ready for 3 inch pots, $1.00 each; $10.00 per Doz.; $75.00 per 100.

Kentias.

Varieties.	Size Pot.	Height Ins.	No. Leaves.	Each.	Per Doz.	Per 100
Belmoreana,	2½	8 to 9	3 to 4	$	$ 1.50	$12.00
Belmoreana,	3	10 to 12	4 to 5		2.00	15.00
Belmoreana,	3½	12 to 14	5 to 6	.25	3.00	20.00
Belmoreana,	4	14 to 16	5 to 7	.40	4.00	30.00
Belmoreana,	5	16 to 20	5 to 6	.75	7.20	60.00
" strong,	5	16 to 24	5 to 7	1.00	12.00	90.00
Belmoreana,	6	20 to 22	6 to 7	1.25	15.00	125.00
" strong,	6	26 to 28	6 to 7	1.50	18.00	180.00
Belmoreana,	7	36 to 40	6 to 7	2.25	27.00	200 00
Forsteriana,	2½	8 to 9	3 to 4		1.50	12.00
Forsteriana,	3	10 to 12	4 to 5		2.00	15.00
Forsteriana,	3½	12 to 14	5 to 6	.25	3.00	20.00
Forsteriana,	5	20 to 24	5 to 6	.75	7.20	60.00
" strong,	5	22 to 26	5 to 6	1.00	12.00	90.00
Forsteriana,	6	28 to 30	5 to 6	1.25	15.00	125.00
" strong,	6	30 to 34	6 to 7	1.50	18.00	180.00
Forsteriana,	8	44 to 50	6	3.25	39.00	300.00

Latanias.

Borbonica,	2¼		3		.60	5.00
Borbonica,	3	12	5 to 6		1.00	6.00
Borbonica,	3½	12 to 15	5 to 6	.15	1.50	12.00
Borbonica,	4	15 to 16	5 to 7	.25	3.00	20 00
Borbonica,	5	16 to 23	6 to 7	.50	5.00	35.00
Borbonica,	6	20 to 24	6 to 8	.80	8 00	50.00
Borbonica,	8	24 to 30		.75	9.00	

Variety.	Size Pot.	Height, Plants Ins.	in pot.		Per Doz.	Per 100
Areca Lutescens,	2¼	5 to 6	3		$1.00	$8.00
Areca Lutescens,	3½	12 to 14	3	Ea.	2.00	15.00
Areca Lutescens,	4	15 to 18	3	$0.25	3.00	25.00

Asparagus.

Varieties.	Size pot.	Per Doz.	Per 100
Asparagus Plumosus Nanus...	4 in.	$1.50	$12.00
Asparagus Sprengeri.....	2 in.	.50	4.00
Asparagus Sprengeri.....	4 in.	1.50	12.00

Ferns.

Varieties.	Size pot.	Per Doz.	Per 100
Pteris Serrulata	2 in.	$0.50	$4.00
Pteris Umbrosa	2 in.	.50	4.00
Cyrtomium Falcatum	2 in.		4.00
Cyrtomium Falcatum	3 in.	1.00	8.00
Cyrtomium Falcatum	4 in.	1.50	10.00
Nephrolepis Bostoniensis	2 in.		4.00
Nephrolepis Bostoniensis	5 in.	3.00	
Nephrolepis Bostoniensis	6 in.	5.00	
Nephrolepis Bostoniensis	7 in.	12.00	
Nephrolepis Cordata Compacta, fine plants	6 in.	4.00	30.00

Miscellaneous.

	Each
Araucaria Excelsa, 4 inch	$0.50
Araucaria Excelsa, 4 inch, nice plants	.75
Araucaria Excelsa, 5 inch, nice plants	1.00
Corypha Gebanga, 3 in., 5 to 6 leaves, $3 per doz.	
Curculigo Recurvata, 4 inch	$2.00 per doz.
Curculigo Recurvata, 5 inch	$4.00 per doz.
Cyperus Alternifolus, 4 in	$1.00 per doz.
Cyperus Alternifolus, 5 in	$1.50 per doz.
Dracæna Terminalis, 3 in.	$2.00 per doz.
Dracæna Terminalis, 4 in.	$4.00 der doz.
Dracæna Terminalis, 5 in.	$6.00 per doz.
English Ivy, strong, 4 in.	$2.00 per doz.
English Ivy, strong, 5 in.	$3.00 per doz.

	Pot	Height	Leaves	Each	Doz.	100
Aspidistra Lurida,	5	15-20	8-12	50c.	$6.00	
Cocos Weddeliana	3			25c.	2.00	15.00
Ficus Elastica	6	22-23	12-14	75c.	7.20	$60.00
Ficus Elastica	7	24-28	14-16		10.00	75.00
Maranta Kerchoviana	3½				2.00	
Pandanus Utilis	2½	6- 8	10-12		1.00	6.00
Pandanus Utilis	3	8-10	12-15		2.00	15.00
Pandanus Veitchii.	8			$3.00	36.00	
Pandanus Veitchii,	7			2.25	27.50	
Pandanus Veitchii, extra fine	6				16.00	
Peperomia Argyræa			4		2.00	
Peperomia Peltata			4		2.00	
Phœnix Reclinata.	8		4- 6		1.50	10.00
Phœnix Canariensis	3		4- 6		1.50	10.00
Phœnix Reclinata.	10	40-45	6- 8	8.50		Doz.

Sanseviera Java. Var., 2 in., strong plants.... $0.60
Sanseviera Java. Var., 3 in., strong plants.... 1.20
Sanseviera Java. Var., 4 in., strong plants.... 2.00
Sanseviera Java. Var., 5 in.... 3 00
Zingiber Officinale (Ginger Plant), 4 in..... 2.00
Zingiber " " 5 in..... 8.00

THE GEO. WITTBOLD CO., Palms and Ferns, 1657 Buckingham Place, Chicago, Ill.

Mention this paper

SPECIMEN FERNS

LARGE AND FINE.

Boston Fern, 8 inch pans, $10.00 per doz.
Compacta Fern, 6 in. pans, 8.00 per doz.

THE NATIONAL PLANT CO., Dayton, O.

Mention the Florists' Exchange when writing.

PALMS and FERNS

Home Grown,
Fine, Clean Stock,
Grown Cool.

J. B. HEISS, The Exotic Nurseries, **Dayton, Ohio.**

Send for Price List.

Mention the Florists' Exchange when writing.

PALMS AND BOSTONS

WALTER RETZER & CO.,

2045-59 CLARENDON AVE., (N. Halstedt Street), **Chicago, Ill.**

Mention the Florists' Exchange when writing.

BEAUTIFUL FERNS!

N. Davallioides Furcans, Bostoniensis and Washingtoniensis, from 6 inch pots, with fronds 2 to 4 feet long, at $1.00 each; $10.00 per dozen. For other choice and rare plants see my adv., page 1107 of this paper, Nov. 17.

N. STUDER, Anacostia, D. C.

Mention the Florists' Exchange when writing.

ASPARAGUS PLUMOSUS NANUS 2½ in., $5.00 per 100, $40.00 per 1000. 3 in., $7 per 100; $60 per 1000.
ASPARAGUS SPRENGERI, 2½ in.; $3.50 per 100; $30 00 per 1000.
3 in $5.00 per 100; $40.00 per 1000.
FERN, PTERIS TREMULA, 2½ in., $2.50 per 100; $20.00 per 1000. 3 in., $4 50 per 100; $40.00 per 1000. Terms, cash. Address
S. ALFRED BAUR, Erie, Pa.
Successor to HENRY NIEMEYER.

Mention the Florists' Exchange when writing.

FOR CHRISTMAS.

CRYPTOMERIA JAPONICA (JAPAN CEDAR) Sells well. Strong plants, 3 inch, $1.00 per doz; strong plants, 2 inch, $5.00 per 100. We also have the following small lots of plants on hand, which will be sold cheap if taken at once: **500 Cinerarias,** 2 inch, $1 75 per 100; **1000 Geraniums,** mixed, 2 inch, $1 75 per 100; **200 Umbrella Plants,** 3 inch, 3c.; **500 Asparagus Sprengeri,** 2 inch, $2 25 per 100. Low express rates. Satisfaction guerenteed.

E. J RAWLINGS, Wholesale Florist, Quakertown, Pa.

Mention the Florists' Exchange when writing.



Palm Gardens of
W. J. HESSER
Plattsmouth, Neb.,

Wholesale Grower of **Palms, Ferns** and other **Decorative Plants.** Largest stock in the West. Especially grown for the wholesale trade. Wholesale list to dealers. Send list of your wants and get special low prices.

Mention the Florists' Exchange when writing.

FERNS IN VARIETY

For Dishes, 2½ in., $3.00 per 100.

Cryptomeria Japonica, Japan Cedar, 2½,	per 100,	$5.00
Cyperus Alternifolius, 2½ in.	"	2.00
" " 3 in.	"	5.00
Grevillea Robusta, 4 in	"	7.00
Cyclamen Giganteum, in bud, 3 in.	"	7.00
" " 4 in.	per doz.,	1.50
I have a few 5 in.	"	2 50
Baby Primrose, in bloom, fine plants, 3	"	.75
" " 4	"	1.00

Satisfaction Guaranteed. Low Express Rates.
J. S. BLOOM, - Riegelsville, Pa.

Mention the Florists' Exchange when writing.

ADIANTUM CUNEATUM

2½ in. pots, $4 per 100; 3½ in. pots, $5, $8, and $10 per 100.

SPRENGERI

2½ in. pots, $4 per 100.
3 in. pots, $5 per 100.

EDW. J. TAYLOR, Southport, Conn.

Mention the Florists' Exchange when writing.

A. SPRENGERI

Extra strong plants, from 2½ in. pots, ready for 3 in.

$3.50 per 100; $30.00 per 1000.

The finest stock offered for this price.

JACKSON & PERKINS CO. NEWARK, NEW YORK.

Mention the Florists' Exchange when writing.

FERNS For dishes, etc., in 6 of the leading varieties, from 2½ in., $3.00 per 100.

PRIMULA FORBESII In Bloom from 3 in. $4 00 per 100, from 4 in., $8 00 per 100.

PELARGONIUMS in six of best bloomers, mixed, from 3 in., $3 a 100.

Brownlii Major, 3 inch, $4.00 per 100.

Cyperus (Umbrella Plants), 2½ inch, $2.00 per 100; 3 inch, $3 00 per 100.

Cash With Order.

JOHN G. EISELE, 20th and Ontario Sts., PHILA., PA.

Mention the Florists' Exchange when writing.

LATANIA PALM PLANTS

Pots	Plants to pot		Leaves	Per doz.
6 in.	1	20 to 22 In. high	6 and 7	$6 00
6 in.	2	20 to 22 "	10	9 00
6 in.	3	20 to 22 "	12 to 14	12 00
7 in.	1	2 ft. ht. & diam.	7 to 8	12 00
7 in.	2	2 " "	10 to 12	15 00
7 in.	3	2 " "	12 to 16	18 00
8 in.	1	2½ " "	8 to 9	18 00
8 in.	2	2½ " "	15	20 00
8 in.	3	2½ " "	18 to 20	24 00

Ficus Elastica, 6 in. pots, 2½ ft. high, 16 to 20 leaves, $9 00 per doz.; $65.00 per 100.

Pandanus Veitchii and Croton plants, prices on application.

CHRYSANTHEMUM STOCK PLANTS

as follows: Golden Wedding, Bonnaffon, Mrs. Robinson, White Ivory, Mrs. John Whilldin; strong clumps, 75c. per doz.; $5.00 per 100.

J. WM. COLFLESH, 53d and Woodland, W. Phila, Pa.

Mention the Florists' Exchange when writing.

A Few Good Things You Want

KENTIA BELMOREANA and **FORSTERIANA,** 2½ in., 10c.; 3 in., 18c.; 4 in., 35c.; 5 in., 50c. each.
ARECA LUTESCENS, 3 in., 3 plants to pot, 18c.; 4 in., 25c. each. All cool grown, nice clean stock, and cannot be duplicated anywhere for the money.
BOSTON FERN, 3 in., $8.00; 4 in., $15.00; 5 in., $30.00 per 100.
SWORD FERN, Nephrolepis Cordata Compacta, 2½ in., $3.00 per 100.
REX BEGONIA, finest varieties, 2½ in., $4.00; 3 in. $8.00 per 100.
CAMPBELL VIOLET and **VINCA VAR.,** 2½ in., $3.00 per 100.
PRIMULA CHINENSIS, 2 inch, $3.00; 3 inch, $4.00 per 100.
CYCLAMEN GIGANTEUM, 2½ inch, $4.00; 3 inch, $8.00 per 100.
ASPARAGUS Sprengeri and **Plumosus,** 2 in., $5.00; 3 in., $8.00 per 100 Cash with order.
CINERARIA, 2 inch, $2 00 per 100.
GERANIUMS, 2 inch, Single Grant, $1.00 per 100; rooted Cuttings, $1.00 per 100.
GERANIUMS, 2 inch, Double Grant, Mme. Bruant, Mrs. E. G. Hill, Poitevine, Bonnet and S. A. Nutt, $3.00 per 100; Rooted Cuttings, $2.00 per 100.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

FINE PALMS

LATANIA BORBONICA, from 2½ in. pots $4.00 per 100; 3 in. pots, $7.00 per 100; 4 in pots, $18.00 per 100; $2 40 per 12; 5 in. pots, $35 00 per 100; $3.50 per 12; 6 in. pots, $50 00 per 100; $7.25 per 12; from 8 in pots and larger, $2.50 each and upwards, according to size

KENTIA Forsteriana and Belmorenna, from 2½ in. pots, $8.00 per 100; 3 in. pots, strong, $15.00 per 100; 4 in. pots, $30.00 per 100; 5 in. pots, 60.00 per 100, $8.00 per 12; 6 in. pots, $15.00 per 12; from 7 in. up at $1.75 each, and more according to size.

ARECA LUTESCENS, from 2½ 3 and 4 in. pots, at $5 00 $8.00 and $20 00 per 100; 5 in. pots, $40 00 per 100, $6.00 per 12. Fine stock of larger plants from $1 50 upwards. Two fine specimen plants, about 10 ft. high, for $70 00 the pair.

COCOS WEDDELIANA, from 2½ in. pots, $10.00 per 100; 4 in. pots, $25.00 per 100.

PHŒNIX RECLINATA, 4 in. pots, $20.00 per 100; 5 in. pots, $35.00 per 100, $4.50 per 12. Larger plants from $1.00 up.

PHŒNIX RUPICOLA, 6 and 7 inch pots, $1 00 to $1.50 each.

FERNS Assorted, 2½ in. pots, $3.00 per 100; 3, 4 and 5 in pots at $7.00, $12.00 and $25.00 per 100; Nice large plants from 50 cts upwards.

AZALEAS At $4.50 per 12 and upwards; fine plants in pots, including "Deutsche Perle," good for Christmas forcing.

JOHN BADER, Troy Hill, ALLEGHENY CITY, PA.
L. D Telephone, 872a

Mention the Florists' Exchange when writing.

THESE plants have a long thrifty growth and are ready for a shift or immediate sale. They have been grown cool and can be safely shipped to any part of the country.

Boston Fern. From 2½ inch pots, $3.00 per 100; $25.00 per 1000.

Asparagus Sprengeri. From 2½ inch pots, $2.50 per 100; $20.00 per 1000. From 4 in. pots, $1.00 per doz., $3.00 per 100.

Asparagus P. Nanus. From 4 in. pots, $1.00 per doz., $3.00 per 100.

Asparagus Tenuissimus. Nice 2½ in. plants, $3 a 100.

Umbrella Plants. 2½ in., $2.50 per 100.

Cycas Revoluta. 7 to 10 leaves. $1.00 each.

Boston Ivy. (A. Veitchii,) Pot grown, $3.00 per 100; $25.00 per 1000.

200,000 Roses. From 2½ inch pots, $2 50 per 100; $20.00 per 1000.
Golden Gate, Crimson Rambler, La France, Striped La France, White La France, Mosella, Bride, Maid, Etoile de Lyon, Meteor, White Maman Cochet, Marechal Niel, Pink Maman Cochet, C. Soupert, Pink Soupert, The Queen, Muriel Graham, Burbank, Marie Van Houtte, Gen. Lee, Mrs. Degraw, P. Fere, Abel Chatenay, Caroline Marniesse, Yellow Rambler, Empress of China.

Large 2-year-old H. P. Roses, well-branched, shapely plants, average 18 inches high, $1.00 per doz.; $8.00 per 100. Gen. Jacq., Dinsmore, Paul Neyron, Magna Charta, Mme. Masson, Vick's Caprice.

Cash With Order, Please.

THE JOHN A. DOYLE CO., Springfield, Ohio.

Mention the Florists' Exchange when writing.

Special offer of DECORATIVE PLANTS FOR THE HOLIDAYS.

Our stock of Palms this season is in exceptionally fine condition. Varieties and sizes enumerated below are such that are in stock in large quantities and of special good value. For complete list as well as for all other SEASONABLE STOCK see our SPECIAL DECEMBER WHOLESALE PRICE LIST, which was mailed to the entire trade a few days since.

ARECA LUTESCENS.

		Per Doz.	Per 100
3 in. pots,	2 plants in a pot, 12 to 15 in. high.	$1 25	$10 00
4 " "	3 " " " 15 " "	3 00	25 00
5 " "	3 " " " 18 " "	4 50	35 00
6 " "	3 " " " 20 " "	9 00	75 00
6 " "	3 " " " 24 " "	12 00	100 00
8 " "	3 " " " 36 " "	.. $3 00 each.	
14 " "	grand bushy specimens, 7 ft.	.. 25 00	"
14 " "	" " " 8 " "	.. 30 00	"

KENTIA BELMOREANA.

		Per Doz.	Per 100
2¼ in. pots,	fine for Fern Dishes, 8 in. high.	$1 50	$12 00
3 " "	4 to 5 leaves 12 " "	3 00	20 00
6 " "	6 " 24 " "	15 00	125 00
6 " "	6 to 7 " 28 " "	18 00	150 00

KENTIA FORSTERIANA.

				Per Doz.	Per 100
2¼ in. pots,	3	leaves,	8 in. high	$1 50	$12 00
3 " "	4	"	12 " "	2 50	20 00
4 " "	4 to 5	"	15 " "	4 00	30 00
6 " "	5	"	24 to 28 " "	12 00	100 00
6 " "	6	"	30 " "	15 00	125 00
6 " "	6	"	30 to 36 " "	18 00	150 00
7 " "	6 to 7	"	30 to 36 " "	$2 00 each.	
7 " "	6 to 7	"	36 to 42 " "	2 50	"
9 " "	7	"	60 " "	7 50	"
12 " "	7	"	6 to 7 ft.	10 00	"
12 " "	7	"	7 to 8 " "	15 00	"
12 " "	7	"	8 to 9 " "	25 00	"

LATANIA BORBONICA.

				Per Doz.	Per 100
3 in. pots,	5	leaves,	12 in. high	$1 00	$8 00
4 " "	5	"	12 to 15 " "	2 50	20 00
5 " "	5	"	15 " "	4 00	30 00
6 " "	5 to 6	"	15 to 18 " "	6 00	50 00
6 " "	5 to 6	"	18 to 20 " "	9 00	75 00

PANDANUS VEITCHII.

Grand plants from 6 in. pots...$1 00 each; $12 00 per doz.

ARAUCARIA EXCELSA.

4 inch pots,	6 inches high.	2 tiers	$0 40	each.
4 " "	8 " "	2 to 3 "	0 50	"
5 " "	12 " "	3 to 4 "	0 75	"
6 " "	20 to 22 " "	4 to 5 "	1 50	"

ARAUCARIA EXCELSA GLAUCA

5 inch pots,	8 inches high,	2 to 3 tiers	$0 75	each	
6 " "	12 " "	3 "	1 25	"	
7 " "	18 " "	4 "	1 75	"	

ARAUCARIA ROBUSTA COMPACTA

5 inch pots,	10 to 12 inches high,	3 tiers	$1 25	each.	
6 " "	14 to 15 " "	3 "	1 50	"	
7 " "	15 " "	heavy	2 50	"	

BAY TREES, Standard Shaped.

Stems 45 in. high,	crowns 24 in. in diameter..	$6 00	each.	
" 45 " "	" 30 " " " ..	7 50	"	
" 45 " "	" 36 " " " ..	10 00	"	
" 45 " "	" 40 " " " ..	12 50	"	
" 45 " "	" 48 " " " ..	15 00	"	

BAY TREES, Pyramidal Shaped.

5½ feet high,	34 in. diameter at base.....	$7 50	each.		
7 " "	36 " " " "	10 00	"		
8 " "	40 " " " "	12 50	"		
8 " "	41 " " " "	15 00	"		

FERNS.

A choice selection of mixed varieties in first-class assortments, suitable for Fern Dishes.

2¼ inch pots, $3 50 per 100; $30 00 per 1000.
3 " " 6 00 per 100; 50 00 per 1000.

FORCING PLANTS.

A fine stock of the following in dormant condition suitable for forcing.

AZALEA MOLLIS.

	Per Doz.	Per 100
Bushy, finely budded, 15 in. high.....	$5 00	$40 00

RHODODENDRON.

Bushy, finely budded, 12 to 15 in. high.....	$7 50
" " " 15 to 18 " "	9 00
" " " 18 to 20 " "	15 00

POT GROWN LILACS.

Fine pot grown plants of Marie Legraye, Charles X. and Mme. Lemoine.....	6 00	45 00

YOUR LAST CHANCE to procure **AZALEAS for Easter Forcing at Low Rates.**

We will execute all orders for Azaleas received before December 25th at Fall Prices, and can still supply a full assortment of varieties. Fine bushy crowns well set with buds.

	Per Doz.	Per 100
10 to 12 inches in diameter.....	$1 50	$35 00
12 to 14 " " "	6 00	45 00
14 to 16 " " "	7 50	55 00
16 to 18 " " "	12 00	90 00
18 to 20 " " "	25 00	200 00
20 to 24 " " "	36 00	300 00

HENRY A. DREER, 714 Chestnut Street, PHILADELPHIA.

Mention the Florists' Exchange when writing.

FERNS OUR SPECIALTY.

BIG CHRISTMAS BARGAIN IN JARDINIERE FERNS.

Send for Samples.

Fine, strong plants from 2½ inch pots, all the leading varieties, at $3 50 per 100; $30 00 per 1000.

An Excellent Stock of

ADIANTUM FARLEYENSE.

Unequaled in size and quality.

5 inch pots	.....each,	$1.50;	per 100, $140.00
5 inch pots, size No. 1	"	1 00;	" " 95.00
5 inch pots, size No. 2	"	.75;	" " 70.00
5 inch pots, size No. 3	"	.50;	" " 45.00
4 inch pots	"	.45;	" " 40.00

Cash or C. O. D. Money returned if not satisfactory.

ANDERSON & CHRISTENSEN, Short Hills, N. J.

Mention the Florists' Exchange when writing.

AT A BARGAIN!

500 Bridesmaid Roses, 3 in., good stock, at $4.00 per 100; the 500 for $18 00 cash.

Palms, Kentia Belmoreana, 2 in., per 100, $7.00; 3 in. per 100, $20 00.

Latania Borbonica, 3 in., per 100, $15.00.

Dracæna Sanderiana, 2 in., per doz., $1.50.

Selaginella Emmeliana, 2 in., per 100, $3.00.

Asparagus Sprengeri, fine, 2 in., per 100 $4 00.

Grevillea Robusta, 3 in., per 100, $5.00.

Rex Begonias, 3 in., in 10 good varieties, per 100, $7.00.

SMILAX.

Good Stock, from Pots, at $1 25 per 100; $10 per 1000.

Satisfaction Guaranteed. Cash with order.

GEO. L MILLER. Newark, Ohio.

Mention the Florists' Exchange when writing

50,000 BOSTON FERNS

I Make a Specialty of

N. EXALTATA BOSTONIENSIS

Small plants, $4.00 per 100 or $30.00 per 1000; large plants, $6.00 to $20.00 per 100; taken from the bench.

Also in 5 in. pots, $3 00 per doz.; 6 in. pots, $6 00 per doz.; 7 in. pots, $9.00 per doz.; 8 in. pots, $1.00 and $1.50 each. Extra fine stock.

—ALSO A FINE LOT OF—

Kentias, Belmoreana and Forsteriana, 5 in. pots, $6.00 per doz.; 6 in. pots, from $1.00 to $1.50 each; 7 in. pots, $1.50 to $2.50 each; larger plants, $1.50 to $3.00 ea. Forsteriana, 3½ to 4 in. pots, $3.00 and $4.00 per doz.

Chinese Primroses, 5 inch pots, bud or bloom, $12.00 per 100.

Azaleas, in flower for Christmas, from 75c. to $2.50 each.

Asparagus Plumosus, 3½ in. pots, $10 00 per 100.

Araucaria Excelsa, 20 to 24 in. high, 5 to 6 tiers, 6 in. pots, $1.50 each; larger size, $2 00 each.

Rubber Plants, 20 to 32 in. high, $5.00 to $9.00 per doz.

Assorted Ferns for Jardinieres, $3 50 per 100.

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. **Connected with Telephone.**

Mention the Florists' Exchange when writing.

COMMERCIAL VIOLET CULTURE

PRICE, $1 50.



Boston Fern a Specialty

20,000 Very Fine Plants at $25.00 and $20.00 per 100.

Small plants, $5.00 per 100; $40.00 per 1000.

ASPARAGUS PLUMOSUS NANUS and SPRENGERI.

For 4 inch, at $8.00 per 100.

L. H. FOSTER, 45 King Street, **Dorchester, Mass.**

Mention the Florists' Exchange when writing.

HEADQUARTERS

For Plants Now and for the Holidays,

IMPORTED DIRECT FROM THE GROWERS IN GHENT, BELGIUM AND OTHER PLACES

Having been to Belgium again myself, I am well posted on their system. As the growers there are all syndicated, I can assure you no one can obtain cheaper rates than I.

ARAUCARIAS

We are headquarters and can give you more value than any house in America can. Order quickly before stock is all gone, and while the weather is not too cold. This is a rare chance. I have only about 1,000 left.

These I purchased myself and they are of my own selection during my trip to Belgium in September, and I can offer you special prices. No seedlings; raised from top cuttings only.

EXCELSA.

5 in. pots, fine thrifty plants, only 50 cts. each 5½ in. pots, 3 to 4 tiers, 12 in. high and above, 60 cts. to 70 cts.; 5½ to 6 in. pots, 3 to 4 tiers, strong, bushy plants, 75 cts. and 80 cts.; 6 in. pots, 15 in. high, $1.00; specimen plants, 6 in. pots, 5 to 6 tiers, 22 to 25 in. high, very fine, $1.75 to $2.00.

Araucaria Compacta Glauca, very fine, bushy, 6 in. pots, 18 to 25 in across, $1.25; specimen plants, 6 to 7 in. pots, $1.50 to $2.25.

AZALEAS FOR CHRISTMAS BLOOMING.

Deutsche Perle (double pure white) and Vervæneana (pink variegated, the best of all), few flowers open and full of buds ready to open, from 50 cts. to $1.00 and $1.25.

AZALEAS Indica, large stock, my own selection while in Ghent, 10 to 12 inches, 35 cts. each.

Larger sizes, 40 cts. and 50 cts. each.

Specimen plants. Mme. Van der Cruyssen, $1 75 and $2 00 each.

Leading American varieties, such as Mme. Van der Cruyssen, Bernhard's Andrea Alba, Deutsche Perle, Empress of India, Prof. Walter, Simon Mardner, Vervæneana and others.

CORYPHA AUSTRALIS Hardiest palm of all. Have 5M of them in 5 in. pots, 12 to 18 in. high, 45 cts. each.

Latania Borbonica, 6 in. pots, very fine, at the rate of $6.00 per doz.

Kentia Belmoreana. 5 in. pots, 85 cts.

Dracæna Bruantii, 5½ in. pots, 24 in. high, most favored house dracæna, 50 cts. each.

Dracæna Indivisa, specimen plants, imported, 6 in. pots, 30 to 36 in. high, 40 cts. each.

FICUS ELASTICA (Rubber plants).

Have 1500, imported last Spring:
5½ to 6 in. pots, $4.00 per doz.
Specimen plants, 6 in. pots, $5.00 per doz.

BEGONIAS SEMPERFLORENS GIGANTEUM.

Best blooming Winter Begonia, 5 in. pots, 25 cts. to 35 cts. each.

President Carnot, 5 in. pots, 25 cts. each.

Other Winter-blooming Begonias, leading varieties, 4 in. pots, 7 cts. each.

CHRYSANTHEMUM STOCK PLANTS

Merry Monarch, best early and profitable white 'mum in cultivation; strong clumps, 75 cts. per doz; $5.00 per 100.
(If pots are wanted add 2 cts each.)

Asparagus Sprengerli, 4 in. pots, $ .20 per doz.

Chinese Primroses, bushy plants, 4 in. pots, that will bloom at Xmas, at the rate of $6.00 per 100; 5 in. pots, full of buds, $1.80 per doz.; 6 inch, large plants, $3.00 per doz.

Cyperus (Umbrella Plants), 4 in. pots, $15.00 per 100.

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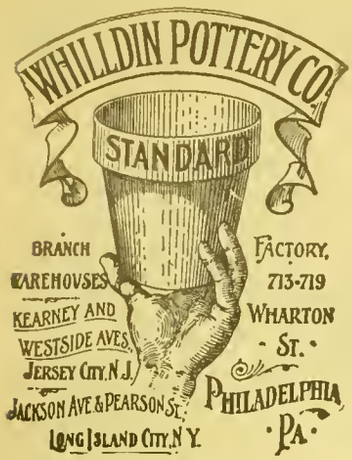

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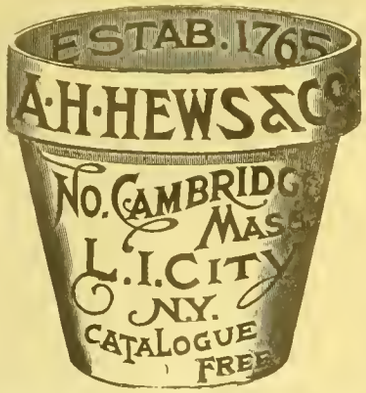

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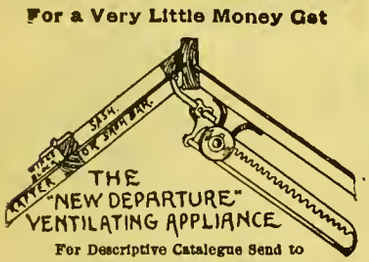

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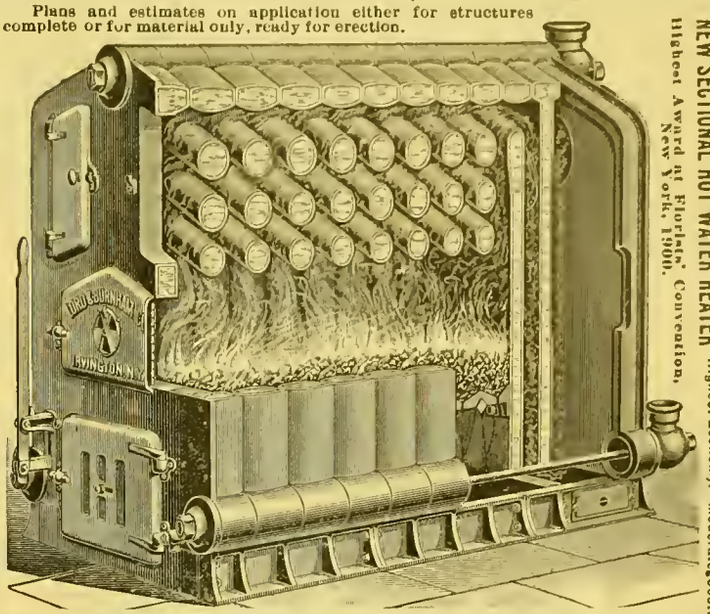

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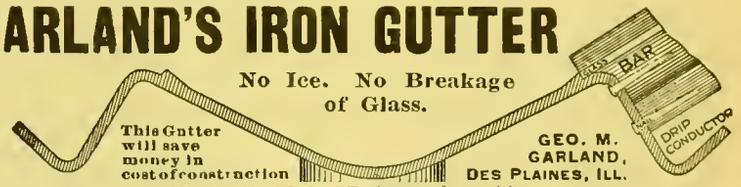

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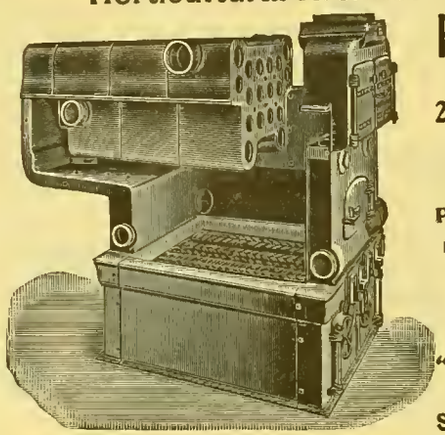

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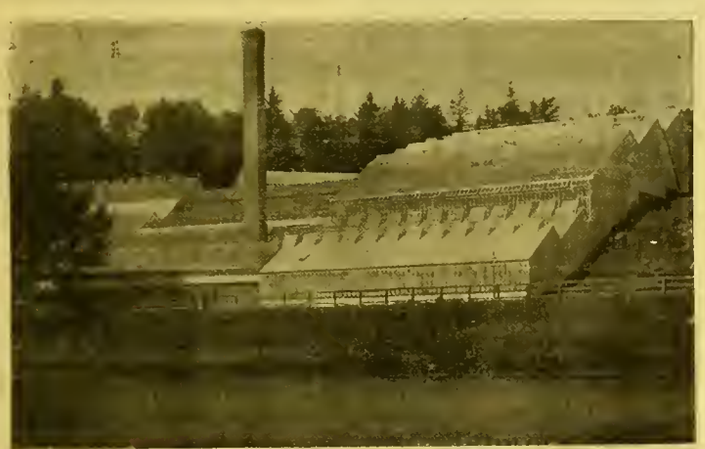

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Any sort, 50c per 100; $4 50 per 1000; $40 00 per 10 000. Single or Double, to color or mixed, our choice, $4.00 per 1000. Parrots, $1.50 per 100.



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	100 seeds	1000 seeds
Asparagus Sprengeri	$0.75	$6.00
" Plumosus Nanus	1.00	9.00
Aster, Queen of the Market—White, light blue, dark blue, rose, crimson. Per pkt., 15c.; oz., 75c.		
Cyclamen Persicum Grandiflorum—Per 100, $1.00; per 1000, $7.50.		

	Per pkt.	Per oz.
Dracæna Indivisa	$0.15	$0.75
Petunia, Double large flowering, fringed	1.00	
Petunia, Single large flowering, fringed	1.00	
Phlox Nana Compacta—Fireball, Snowball, Purple, Blue Striped, Chamois Rose, Defiance, and fine mixed	.25	2.50
Salvia Nana Compacta, Bonfire	.25	4.50
Verbena Mammoth, mixed	.25	1 50

GLADIOLUS—(for Forcing).

Ex. White and light for forcing	$2.00	$18.00
May, the finest forcing	2.00	18.00

STOCKS.

	Per pkt.	Per oz.
Giant Perfection, white	$0.25	$5.00
Dwarf, large flowering, 10 weeks—white, blood-red, purple rose, yellow and red	.25	3.25

SWEET PEAS.

	Per oz.	Per lb.
Blanche Ferry, Blanche Ferry, extra early, Emily Henderson, Blanche Burpee, Countess of Radnor, Dark Lavender, Katharine Tracy	$0.10	$0.40
Burpee's Extra Early	.10	.65

If by mail, add 8 cents per pound for postage.

TUBEROSES.

4½ to 6 ins	$1.00 $8.00
3 to 4 ins	.75 5.00

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LAST CALL BARGAINS Must Be Sold

HYACINTHS Extra fine, to name, $65.00 per 1000. Best, in separate colors, $35.00 per 1000

10,000 CROCUS
In separate colors, $1.50 per 1000.

5000 CHINESE SACRED LILIES
$4.00 a mat of 120 bulbs.

JUST RECEIVED
A fine lot of
Crimson Rambler, H. P. Roses, Lilacs, Clematis, Deutzia, Hydrangea.
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Sizes, 8-9 and 9-11 inch on hand.
Prices on Application.

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SURPLUS AT REDUCED PRICES.

LILIUM LONGIFLORUM JAPAN
6 to 8 inches ..... $24.00 per 1000
7 to 9 " ..... $34 00 "

LILY OF THE VALLEY PIPS
Largest and finest in the world.
Either Berlin or Hamburg, $10.00 per 1000.
In case lots (3000 in case), 9.00 per 1000.

J. M. THORBURN & CO.
(Late of 15 John Street)
36 CORTLANDT STREET, NEW YORK

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100 per 100 Sure to Germinate

Because picked on receipt of order.

MUSA ENSETE, $7.50 per 1000 seeds.
SEAFORTHIA ELEGANS, $5.00 per 1000 seeds.
PHŒNIX CANARIENSIS, $2.50 per 1000 seeds.

All Postpaid.

Our 1900 list of SEEDS mailed free.

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1901 Specialties . . . .

Asters Daybreak, Purity and Branching Comet...

Cabbage Novelty . . .

20th Century Earlier than the Wakefield, as solid as Danish Ballhead. Write for prices and description. Half-tone cuts for catalogue purposes.

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WE NOW BOOK ORDERS

—FOR—

		Per 100
SPIRÆA	JAPONICA, large clumps,	$4.00
	COMPACTA, "	4.00
	ASTILBOIDES, "	4.00
TUBEROSES	THE PEARL, 4 to 6 inch, per 1000, $5.00; 3 to 4 inch, $2.50 per 1000.	

Net Cash With Order.

HULSEBOSCH BROS., Englewood, N. J.
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SPECIAL OFFER OF FERNS AND PALMS

MAIDEN HAIR FERNS (Cuneatum), fine stock, in 3 inch pots, at $8.00 per 100; 4½ inch pots, $10.00 per 100.

ASPARAGUS PLUMOSUS NANUS, fine thrifty plants, 3 in. pots, at $1.00 per doz.; $7.00 per 100.

ASPARAGUS SPRENGERI, 3 in. pots, at $6.00 per 100

PHŒNIX CANARIENSIS, 3 ft. high, at $3.00 each.

PHŒNIX RECLINATA, 2 ft high, at $1.50 each.

CYCAS REVOLUTA (Sago), 50c, 75c. and $1.00 each.

OTAHEITE ORANGE, choice plants, in 5 inch pots, at 75c. each.

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AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Cincinnati, O., President; F. W. BOLOIANO, First Vice-President; S. G. COURTEEN, Milwaukee, Wis., Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

Arthur Cowee, of Meadowvale Farm, Berlin, N. Y., has arranged with H. H. Groff, of Simcoe, Ont., for the sale of the latter's hybrid gladioli in the United States. A neat catalogue has been issued, copies of which can be obtained from Mr. Cowee on application.

Canandaigua, N. Y.—The T. C. Parkhurst seed business was last week sold to R. A. Mather.

Omaha, Neb.—The Nebraska Seed Co. will in the near future occupy the four-story structure known as the Garfield Building on Howard Street, between Fifteenth and Sixteenth Streets.

Paris, Ill.—F. R. Magner, president of the Levings Bros., Seed Co., was killed December 14 while climbing a fence with a gun in his hands. He was 44 years of age.

Chicago.—The suit of the Leonard Seed Co. to recover from the companies that were on its risk, under a claim based on the collapse of the building last year, has resulted in favor of the companies.

Washington.—The lowest bidder for the contract of furnishing seeds for congressional distribution during the fiscal year 1902 received by the Department of Agriculture was the New York Market Gardeners' Association, at $101,975. The other estimates submitted were:

Henry Phillips Seed and Implement Co., Toledo, O.	$113,065
California Seed Growers' Co., San Francisco	118,000
Ullathorne Seed Co., Memphis, Tenn.	119,957
E. J. Weatherly, Chicago	119,765
German Seed and Plant Co., Los Angeles	122,000
Sioux City Seed and Nursery Co.	130,000
J. L. Schiller, New York	150,000

European Notes.

Two French novelties likely to meet with favor in America are Ageratum Princess Pauline and Carnation Giant of Nice. The latter is really an enlarged form of the Margaret class, very free flowering and with a good range of colors. It is a cut-and-come-again variety and can be well recommended. The ageratum is dwarf in habit, with large-sized flowers, which are of a clear pale blue color with a white center. The effect of a border of these is very striking.

Another good novelty that will eventually find its way into the seedsman's catalogue is Carnation Lord Roberts. It belongs to the tree or Winter-blooming section and was exhibited in fine form during the present week. Its color is the purest yellow; the blooms are often 3 inches across; the calyx does not split under any conditions. The flower stems are long and strong and carry four or five good flowers on each; in some rare cases as many as nine have been carried on one stem.

If anything could make double Cyclamen persicum popular it would be the splendid specimen exhibited by Ker on December 4. At present this novelty is not appreciated.

A fitting companion to the lovely Viola cornuta papilio is Viola Blue Beard, which is rather larger in the flower and of a richer true blue color. Both are at the present date (December 7) in full bloom in the open ground, and look as if they would continue flowering until the Spring arrives.

Dobbie & Co. are very favorably known for their good work in the development of garden turnips, and at the last meeting of the Royal Horticultural Society they exhibited some new hybrid forms which are interesting not only from a scientific, but also from a practical point of view. The following are likely to be the most useful: Hybrid No. 3, Dobbie's white Model × Veitch's red globe—a fine deep globe-shaped root, with purple top and clear white, very solid flesh; would make an excellent strain of the American early red top globe.

Hybrid No. 4, Dobbie's white Model × Purple-top Milan. A vigorous globe-shaped Milan with very small top and fine grain of flesh. An excellent variety for frame work and more profitable than the Milan.

Hybrid No. 6, Harrison's Green top Marble × Dobbie's Golden Ball; a very solid and attractive variety, with green top and rather pale yellow flesh. This should be an excellent long-keeping kind and will be a valuable acquisition. The same may be said of Hybrid No. 7, Early Red Globe × Dobbie's Golden Ball; a deep-formed red-topped, yellow-fleshed turnip, clean growing and very solid. Quite distinct in appearance and in every way to be recommended.

If, as seems probable, these new hybrids retain their special excellences under ordinary cultivation, they are certain to be in demand.

At the same meeting Cannell & Sons exhibited some roots of their prize-winner parsnip, nearly 35 inches in length and sufficiently high in the crown to satisfy the most critical Bostonian.

Nothing fresh as regards seeds, except a fresh supply of rain every day, which has brought all open-air operations to a standstill.

The wonderful Mrs. T. W. Lawson carnation was on show at the same meeting, but the fair dame had left her perfume at home. EUROPEAN SEEDS.

Government Seed-Testing.

Editor Florists' Exchange:

The report of the Secretary of Agriculture is both interesting and important. He says: "As the mandate of Congress has laid upon the Department of Agriculture the work of purchasing and distributing larger amounts of seed than ever before, the duty of carrying out this task in an effective manner has become still more imperative than formerly." Between the lines can plainly be read that the task is distasteful, as such a waste of money must be to any man of intelligence and honor. The fact of more than fourteen and a half million packets of seed being distributed annually free of cost to the recipients, for no other reason than their use as electioneering documents, is truly a travesty of justice that should be condemned by every honest man. There is no more sense or justice in distributing seeds indiscriminately than there is in distributing the products of any other of our industries. The seeds rarely go to the needy; neither do they go where they can in any way have the slightest influence in developing our agricultural industries, which is claimed to be the purpose of the distribution.

To encourage the cultivation of any plant, whether for its fruit, foliage, grains or forage, that we have not already tried, is highly commendable and just what the Department was created for. But how much in this line has been done? We await reply, but there comes no answer; there will be none. Every part of the habitable globe has been searched repeatedly by the most eminent horticulturists for something new and useful. The civilized and uncivilized races of the world have contributed freely of their agricultural products for our benefit; and we can hope or expect but little more.

Our seed growers have been over this ground frequently until there is nothing more to be found. The firm of Landreth & Sons has been engaged in this work for more than a century. The name of Grant Thorburn is a household word, and he began work along the same lines very nearly a century ago. Both of these firms got the most improved varieties from both hemispheres, brought them here, cultivated them with care, and by the most careful and systematic selection have developed types adapted to our conditions of soil and climate which surpass any the Old World ever did or can produce. Within the past five years many of our well-established varieties of vegetables which were selections from those obtained abroad have been returned, so much improved as to warrant the English seedsmen in sending them out as "novelties of rare merit." What those pioneers in our seed industry did is being followed up by our modern seedsmen, so that the Old World has nothing the New has not found out.

What is the Department of Agriculture doing along these lines? Just what Landreth and Thorburn did 75 to 100 years ago; getting all the vegetables China and Japan produce, as well as the Brassicas from Russia and other parts of Europe, and is now having them tested to find out their adaptability to our conditions.

At the annual fair of the American Institute, last September, one of the Department's specialists made an exhibit of the vegetables and herbs grown from the best sorts to be found in China and Japan, and a greater variety of rubbish was never seen on an exhibition table. Some of the varieties were a disgrace to the name of horticulture, and not one of the 60 or more sorts was equal to any of our productions of the last 50 years. All the use they were or could be was to show, in comparison with our productions, what can be done by selection.

The standard of trueness established by the Secretary is all right in case a bad practice is to be continued. If the tests are true, the parties that supply the seeds must, from necessity, become bankrupt; they cannot possibly put up seeds true to name at the contract price. The seedsmen's hopes are that the test will be thorough, in which case the contractor will not be in the field a second time.

The tests in our grounds last year made a very different showing from the results in the trial grounds of the Department. Our trial of Chartier radish did not show one that was true; in beets and lettuce there was in either 40 per cent. true. That they were, as stated, in the Department's grounds, we have not the slightest doubt; but how it happened is the problem hard to solve.

What the plants were that proved so valuable we do not know, as their names and characters are not given. That they will increase the nation's wealth is my desire, my hope. L.

CATALOGUES RECEIVED.

F. BARTELDES & CO., Lawrence, Kan.—Price List and Descriptive Catalogue of Seeds, Bulbs, etc., with a list of Novelties. Illustrated.

KENNICOTT, BROS. CO., Chicago.—Catalogue of Cut Flowers and Florists' Supplies. Illustrated.

CHARTER GAS ENGINE COMPANY, Sterling, Ill.—Illustrated Catalogue of Gas and Gasoline Engines.

F. LÜDEMANN, San Francisco, Cal.—Wholesale Price List of Trees, Shrubs, Roses, Camellias, etc.

C. PLATZ & SON, Erfurt, Germany.—Trade List of Flower, Tree, and Vegetable Seeds.

MANETTI STOCKS $12.00 PER 1000.

Special Prices Given for Larger Quantity.

Russell's Cottage, Tennessee Belle, Feilcite Perpetue, Very Strong. $5.10 per 100.

Send for Price List of Young Nursery Stock for Transplanting. **THE ELIZABETH NURSERY CO., Elizabeth, N. J.**

Mention the Florists' Exchange when writing.

CALLA BULBS DELIVERED.

1 to 1¼ inches,	$3.00 per 100;	$25.00 per 1000.	
¾ to 1 "	2 00 "	17.00 "	"
⅝ to ¾ "	1.35 "	11 50 "	"
Sets 1½ to 2"	0 60 "	5.00 "	"

MRS. THEODOSIA B. SHEPHERD,
VENTURA-BY-THE-SEA, CALIFORNIA.

Mention the Florists' Exchange when writing.

NOW IS THE TIME TO BUY

MICHELL'S FINEST STRAIN of

MAMMOTH VERBENA SEED

Choicest Mixed, all colors, 40c. per trade pkt; per oz, $1.50.

HENRY F. MICHELL
1018 Market St., Phila.
WHOLESALE PRICE LIST OF SEEDS, BULBS &c. ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS

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CALADIUMS

FANCY-LEAVED.

Ready in December a choice collection of named varieties, dry bulbs, as follows:

¾ to 1 in. diam	$3.75 per 100;	$30.00 per 1000
Over 1 to 2 in. diam.	5.00 "	45.00 "
Over 2 to 3 in. diam.	12.00 "	

PHRYNIUM VARIEGATUM

Elegant foliage plant, green and white, dry tubers, $4.00 per 100; $25.00 per 1000.

THE JESSAMINE GARDENS, Jessamine, Fla.

Mention the Florists' Exchange when writing.

EXTRA CHOICE FLOWER SEEDS
List free on application.
FRED. ROEMER, SEED GROWER,
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CYCLAMEN PERSICUM!

Giant, Williams' fine mixed. 100 seed, 50c; ¼ oz., $3.

PANSY Madame Perret, as usual; Cecile Devy, trade pkt., 25c.; oz., $4.00; the twentieth century pansies.

FORCING RADISH, lb., 50 cents.

CAULIFLOWER, Erfurt best Danish, seed, oz., $2.50.

BEAULIEU, Walker and Belmont Aves. **Woodhaven, N. Y.**

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SEEDS FOR FORCING

TOMATOES, { Best of All / Lorillard, / Frogmore Selected.

CUCUMBERS. MELONS.

SURE CROP MUSHROOM SPAWN, $3 per 100 lbs

WEEBER & DON, Seed Merchants and Growers 114 Chambers St., N. Y. City

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HAVING DEVOTED MANY YEARS TO the careful selection and growing in our own greenhouses of

PRIMULA, PANSY

And other **Florists' Flower Seeds,** we are able to offer the very finest strains that can be produced For trade prices apply to

JAMES CARTER DUNNETT & BEALE.
Florists' Seed Specialists, High Holborn, London, Eng.

Mention the Florists' Exchange when writing.

BURPEE'S SEEDS

PHILADELPHIA
WHOLESALE PRICE LIST FOR FLORISTS AND MARKET GARDENERS

Mention the Florists' Exchange when writing.

PALM SEEDS

Fresh on Hand.

	Per 100	1000	5000
Chamærops Excelsa (in 10 lb. lots at 30c.) per lb., 40c			
Washingtonia Robusta	"		75c
Erythea Edulis (Brahea Edulis)	.50c.	$4.00	$18 00
Phœnix Canariensis	50c.	2 00	
Phœnix Reclinata	25c.	$2.00	8.75

GERMAIN SEED & PLANT CO., Los Angeles, Cal.

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MANETTI FOR GRAFTING

150,000 from France; 30 000 from England
PRICES UPON APPLICATION.
Crimson, Yellow, White and Pink Hamoiers; Magna Charter, Ulrich Brunner, Paul Neyron.
HARDY NURSERY STOCK.

HIRAM T. JONES, Union County Nurseries, Elizabeth, N. J.

Mention the Florists' Exchange when writing.

TREES. TREES.

Norway and Sugar Maple and Siberian Arbor Vitæ.

WM. J. CHINNICK. - Trenton, N. J.

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Grape Vines

Descriptive and Price List free.

Currants, Gooseberries and other Small Fruit Plants. Extra quality. Warranted true.

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Big Boston, Boston Market and other varieties, 10cts. per 100; $1.00 per 1000; $8.50 per 10,000.

If by mail, add 10 cts. per 100.

CABBAGE

Wakefield and Succession, 25 cts per 10; $1.25 per 100. If by mail, add 20 cts. per 100.

CASH WITH ORDER.

Other Vegetable Plants in Season. Send for List.

R. VINCENT, JR. & SON, White Marsh, Md.

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HYDRANGEA OTAKSA

Magnificent Strong Stock, with 4 to 7 branches.

Price, $10.00 per 100; $85.00 per 1000.

Send for our wholesale Price List of Roses, Clematis, Shrubs, Trees, etc., etc.

Our representative, Mr. J. Austin Shaw, is now in New York, address 271 Broadway. We shall be pleased to have him call upon prospective purchasers of any stock in our line.

JACKSON & PERKINS CO., Newark, New York

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM,
PÆONIES, BLEEDING HEART,
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts

PRICES MODERATE.

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FRUIT AND FLOWER PLATES

Seed Packets and Supplies of all kinds for NURSERYMEN, FLORISTS and SEEDSMEN

SEND FOR PRICE LIST.

Stock Cuts, 10c. per square inch. Engraving by all processes. Printing and lithographing.

Illustrated Catalogues a Specialty.

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NATIVE RHODODENDRON

RHODODENDRON MAXIMUM, fine shapely plants, with good roots in sizes ranging from 12 inches up to 5 feet high, foliage to the ground and well branched. Every plant a specimen.

PRICES ON APPLICATION.

A. E. WOHLERT, 5 Water St., New York City.

Mention the Florists' Exchange when writing.

EVERGREEN

An Immense Stock of both large and small sized EVERGREEN TREES, in great variety; also EVERGREEN SHRUBS. Correspondence solicited.

THE WM. H. MOON CO., Morrisville, Pa.

Mention the Florists' Exchange when writing.

KOSTER & CO.

Hollandia Nurseries, - BOSKOOP, HOLLAND.

Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas, Pæonies. Pot-grown plants for forcing, Rhododendrons, H. P. Roses, etc.

No Agents. Catalogue free on demand. No Agents

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American Tree Seeds

Our Descriptive Catalog of American seeds is just out. Ask for it.

Our Folder, "How to Make Tree Seeds Grow," free with every order.

PINEHURST NURSERIES, Pinehurst, N.C.
Otto Katzenstein, Mgr.

Mention the Florists' Exchange when writing

FRUIT and ORNAMENTAL TREES,

Shrubs, Vines and Roses

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., Geneva, N. Y.

Mention the Florists' Exchange when writing.

COMMERCIAL VIOLET CULTURE

PRICE, $1.50.

F. & F. NURSERIES

SPRINGFIELD, NEW JERSEY.

Wholesale Growers. TREES AND PLANTS in full assortment. Trade Catalogue Free.

Mention the Florists' Exchange when writing

ANDORRA NURSERIES

Red and Pin Oaks, 10 to 14 feet
Hemlocks, 4 to 6 feet

TRANSPLANTED SPECIMEN TREES.

WILLIAM WARNER HARPER, Prop., Chestnut Hill, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN.

THEODORE J. SMITH, Geneva, N. Y., President; N. W. HALE, Knoxville, Tenn., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

Dodgeville, Wis.—Isaac Ellwood, of Ellwood Bros., nurserymen, died December 8. Deceased was born in England in 1825. He had been totally blind for nearly eight years.

The twenty-sixth annual meeting of the New Jersey State Horticultural Society will be held at the State House, Trenton, N. J., January 3 and 4 next. A very interesting program has been prepared.

Albert Lea, Minn.—The residence on Clarence Wedge's nursery, two miles south of this city, caught fire December 12 while Mr. Wedge was absent and burned to the ground. Many valuable papers were saved, but the loss is heavy. There was some insurance.

Western Wholesale Nurserymen's Association.—It is the unanimous opinion of members of the Western Wholesale Nurserymen's Association who attended the organization's annual meeting in Kansas City last week, that there will be a considerable rise in the prices of nursery stock before Spring. The fact was brought out that the available stock is the shortest it ever has been, and that the supply is certain to be found far short of the demand when Spring opens. This is especially true of the larger fruits, apples, pears and peaches, etc., and of cherries. Apples, it is said, will be found very scarce and cherries extremely so.

About 30 nurserymen from the territory tributary to Kansas City attended the meeting. The following officers for the ensuing year were elected: President, A. L. Brooks, Topeka, Kan.; vice-president, R. H. Blair, Kansas City, Mo.; secretary and treasurer, E. J. Holman, Leavenworth, Kan.; executive committee, Peter Younger, Geneva, Neb.; A. Willis, Ottawa, Kan.; R. S. Welch, Shenandoah, Ia.; J. H. Skinner, Topeka, Kan.; A. C. Griesa, Lawrence, Kan.

Ligustrum Japonicum, Evergreen Privet.—It is common to hear all gardeners from European countries, as well as our own citizens who visit those countries, deplore the lack of broad-leaved evergreens available for planting here. They may well do this, for the number hardy enough for general use is small indeed. This is why I think the Ligustrum japonicum will be welcomed here, as it is a true evergreen and is hardy, hereabouts at least, and no doubt would thrive north of this. This plant is not the common Japanese privet, L. ovalifolium, so much used for hedging. As is well known, Japan has furnished us with a large variety of privets, and Japanese privet is a name common to many of them, more especially to the one so much used for hedges and which is also called L. californicum. But the one I refer to as being a true evergreen comes to us as Ligustrum japonicum, and its character seems to agree with the description of this species in botanical works. At any rate, whatever may be its true name, it's a good thing. My first acquaintance with it was in the Botanic Garden, Washington, where it was growing nicely. To those acquainted with the myrtle of Europe, Myrtus communis, I would say that there is some resemblance of the plant in question to it, but the leaves are larger, while being of much the same appearance and texture. As to its hardiness, it has been under my observation here for about eight years, and in all that time has been injured but once, in the Winter of 1897–98. On that occasion about a foot of the tops was frozen back. It was a severe Winter, and that but the tops suffered was satisfactory. As a rule, all Japanese privets make a late growth, and this will be unripened when freezing weather sets in, hence is apt to be hurt in very cold periods.

Protecting Trees and Shrubs in Winter.—The question of protection to trees and shrubs in Winter is one of much importance, and one opportune at the present time, as this is the month in which to do the work. Very many plants are injured in Winter which would come through in good shape with a slight protection. This is especially applicable to many evergreens. It is within the experience of most every gardener in this section that rhododendrons, yews, evergreen magnolia, box, Euonymus japonicus, and like evergreens, may be brought through many a Winter which would otherwise injure them if kept shaded from the sun, especially in the late Winter months. The explanation is that transpiration goes on much more rapidly under great light than in darkness, and it is so rapid in bright, clear, cold days, especially on the sunny side, that the leaves cannot be sustained, and they die. This damage is much more certain to result if in addition there is a carpet of snow on the ground, as light is then more intense. I think most all nurserymen are too well aware of what a sorry-looking sight their Irish yews are on the southern side after a severe Winter, while being of the usual bright green on all other sides. Sometimes every leaf is killed. The remedy is shade, given in any way at all practicable.

A correspondent, T. E., in a recent issue, very truly explains why it is that trees in low ground are winter-killed, when the same kind of tree growing on high ground will be uninjured. Peach growers are particularly well aware of this fact, and set their orchards anywhere but in a valley, if they have a choice. The Magnolia grandiflora, which I referred to in a previous article, is in a much better situation on an elevation than anywhere else, and then, if shade can be afforded, it will bring its foliage through in good shape, as well as its wood.

I can think of no use that shade could be to an unripened shoot, such as the hardy orange would have in a low situation; but nearly all gardeners have been as unlucky as I have been in my time in having geraniums and other greenhouse plants frozen, and, like me, have preserved them by raising the temperature just above the freezing point, and keeping the plants covered over in complete darkness for 24 hours. Freezing is not nearly as dangerous in darkness as in light.

Outlook for the Nursery Business—Evergreens.—In my last notes I confined myself to shrubs, and now propose to speak of evergreens. The increased demand for these has been remarkable. Old-time sales were mostly confined to the commoner sorts, but to-day sees the rarest as much in demand as the cheapest one on the list. For many years customers for evergreens were of the class who

LETTUCE PLANTS

Fine, large, stocky plants, Big Boston, Boston Market, Tennis Ball, and others, $1.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

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A LARGE STOCK OF ONE YEAR OLD:

	Per 100	1000
12 to 15 inches, two or more branches	$1 50	$10 00
15 to 20 inches, three or more branches	1 75	12 00
18 to 24 inches, good	2 00	15 00

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measure the value of a tree by its bulk. A big Norway spruce of six feet would be much preferred to a two-foot Colorado blue spruce, if the same sum would buy either one. And even wealthy men were in this class. Without knowledge of trees or love for them, they simply cared for an evergreen of a certain size, and the less it cost the better. Horticultural journals, intelligent landscape and private gardeners, and an intelligent class of nurserymen who have adorned their own grounds have, combined, brought about a wonderful change. Too much praise cannot be given to the landscape gardeners and park superintendents of to-day, for it is largely to them that the taste for rare trees of all kinds has been so successfully fostered. The sales of evergreens are now very large, and so encouraged are nurserymen that it is now possible to get from many of them, in fair quantities, sorts which heretofore could be had but in single specimens, or not at all. The planting of these rarer kinds is bound to increase the sales of them in the future. As the trees grow they are admired and asked for, and so the good work extends. In this vicinity there are some very fine specimens of Cryptomeria japonica, Cedrus Libanii, English holly and other evergreens, and many a tree has been sold to parties who have seen these trees flourishing here.

The acquiring of land for large parks by cities and individuals is bound to create an increased demand for evergreens, and nurserymen will be wise who continue planting. The demand for certain native evergreens exceeds the supply. The Taxus canadensis, Pinus resinosa, P. Banksiana, P. inops and P. rigida could all be grown more than they are. Pinus resinosa is an uncommonly lovely pine. It is of heavy growth, with long, soft needles, deep green in color, and a fast grower. It could be used wherever the Austrian would suit.

In many cities there is a growing demand for small evergreens in pots, for the use of hotels, the filling of window boxes and the using of them for Christmas time, not altogether for Christmas trees, but for making dwellings look cheerful for the Winter season. Almost any evergreen suits, from the common, though beautiful, hemlock spruce to the rarer Japanese and other sorts. The outlook is decidedly encouraging for an increase of trade in this direction. Florists are the chief buyers of these evergreens, they securing the orders and purchasing at the nurseries. Besides this, there are florists who find sale for some choice sorts in pots in Summer to those wishing but a few for their gardens.

JOSEPH MEEHAN.

Pruning Evergreen Hedges.

Editor Florists' Exchange:

I read in your issue of December 15 what Mr. Meehan says further in regard to pruning evergreen hedges, and that I did not give any advice other than he did. As I wrote my article more to benefit those who asked for advice, and more as a warning against too early Spring or too late Summer pruning, than as an objection to his remarks, we could safely let the matter rest there were it not that Mr. Meehan gives me a little counsel about things which, he thinks, I do not know.

I am well aware of the fact that there are good hedges, and that these do not need much mending. There are also good gardeners who know how to care for hedges; but I doubt very much if the latter will ask for advice on how and when to prune. But Mr. Meehan has not to go far to see other hedges which are not so perfect, and when the caretakers of these ask for advice they are entitled to a plain answer.

Referring to Mr. Meehan's discovery of a self-contradiction on my part, as my remarks had reference to hedges, I do not see much contradiction in them, unless Mr. Meehan also means plants which have been close together. But a good nurseryman or gardener transplants his trees before they get too close together, and has very little trouble in doing it.

As regards Mr. Meehan's remarks on Arbor vitæ, I would suggest that he risk a few trees and cut them as close as he desires, so that no live foliage is left, and see what will happen to them. No doubt this experience will teach him that Arbor vitæ trees are not so averse to being pruned as many, even proiessionals, think.

I hope, Mr. Editor, I do not ask too much space in your valuable paper for such a trivial matter?

P. OUWERKERK.



(260) **Gardenia Leaves Turning Yellow.**—I have one greenhouse filled with Gardenia Veitchii japonica. The plants were a beautiful green till about a month ago; since then the leaves are gradually turning yellow. What can I do to have the leaves become green again?
C. B.

—We know of no remedy or treatment that will turn the gardenia leaves to their natural color again after they have become yellow. Gardenias should have plenty of heat and moisture to keep them going, and if these two conditions are met the plants will probably start into new growth.

(261) **Trouble With Roses.**—Please let me know what is the reason of my roses coming curled and discolored at the edges; also if red spider or too much water is the cause of the leaves dropping.—P. O.

—The roses are evidently suffering from red spider. Syringing freely every day will overcome the pest. With too much water the foliage would become stunted and fail to develop.

(262) **Rose Marechal Niel.**—Who was the rose Marechal Niel named after? Has it any connection with the French soldier Marechal Ney?—HAMILTON.

—We believe the rose in question was named after Marechal Niel, a French marshal and Minister of War, who died in 1869. It was raised by Pradel, an eminent French rosarian, in 1864. Marechal Niel was distinguished in the Crimean War (particularly at Sebastopol in 1855) and in the battles of Magenta and Solferino in 1859.

There is also a rose named Marechal Ney, an altogether different variety.

(263) **Temperature for Carnation Houses.**—Please advise what is the proper temperature, night and day, for carnation houses. My plants do not seem to be doing well. I have kept the houses at as near 48 degrees as possible at night and 60 to 65 degrees daytime; have watered sparingly and fumigate once a week, but do not spray. The plants are free from red spider, but a few have stem rot.—G. J. N.

—A night temperature of from 48 to 52 degrees, according to the varieties grown, with a day temperature of from 60 to 65 degrees, is all right. There has been a good deal of stem rot in carnations this Fall. The only remedy is to have enough stock on hand to fill in the blanks when the affected plants die out.

(264) **Fertilizers for Carnations.**—Is blood and bone a good stimulant for carnations? Doesn't the mixture act quicker than bone alone? Is a 4-inch potful to every square yard too much? How often should it be applied?—P. O.

—Ordinary liquid manure will prove a better stimulant than the blood and bone. The two latter would act quicker together than the bone alone, although we would not use so much as a 4-inch potful to the square yard. A 3-inch potful would be sufficient. As to how often the mixture should be applied, it depends altogether upon the condition of the plants. Should they be growing vigorously, it may be given once in three weeks; but if growth is not free, the fertilizer should not be applied so often. When feeding plants, their condition to receive such food must always be taken into consideration; to overfeed will check their growth and produce flowers that will soon go to sleep.

(266) **Asparagus plumosus.**—My Asparagus plumosus vines have had seed pods on them for nearly five months. These are still green, but I understand they must be purple when ripe. Can you tell me whether I should withhold water from them, or how to ripen the seeds?—J. W.

—It is not necessary to withhold water from the asparagus in order to ripen the seeds, although asparagus seems to grow better when kept on the dry side. The seeds will soon ripen now. It is better to leave them on the plants until they become purple, when they can be picked any time.—WM. H. ELLIOTT.

THE LAWSON CARNATION
Is rapidly demonstrating its **commercial value** all over the country. My stock is in **excellent condition, healthy** and **vigorous.** Rooted cuttings ready **now** or for **later delivery.**
Price, per 100, $7.00; per 1000, $60.00.
Terms strictly cash from unknown parties.
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WHEN store men telegraph that they must have some Crocker for their customers, and commission men beg for consignments, in spite of the fact that there are plenty of other pinks on the market, it is a pretty sure sign that Crocker has some points of merit distinctive from the others and that there is an unfilled demand for the flower.
With the largest stock of this variety grown by any one grower in the country, I can fill your orders with carefully selected cuttings at
$4.00 per 100 or **$30.00** per 1000.
Send for list of other varieties.
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Chrysanthemums, Carnations, Cannas and Geraniums Our Specialty.
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New and old varieties. Write for prices.
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FORGET-ME-NOT Large clumps, 75 cts. per 100; $5.00 per 1000.
DAISIES (Bellis). Snowball and Longfellow, 40c. per 100; $2.50 per 1000.
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Alphonse Ricard, Beaute Poitevine,
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Double Orant, Mme. Jaulin,
Single Orant, La Favorite,
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From 2½ in. pots, $3.00 per 100; $25.00 per 1000.
I solicit your patronage and guarantee satisfaction.
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25,000
Double Fringed Petunias
ROOTED CUTTINGS.
20 best sorts, embracing all colors, labeled true to name. A large proportion of white and light colors. Our stock is strong, thrifty and well rooted, and the color and size of bloom can't be beat. Price, $1.25 per 100, postpaid; $10.00 per 1000, or 3000 for $25.00, by express.
20,000 strong, stocky plants, 2 inch pots, $2.50 per 100; $22.50 per 1000. Satisfaction Guaranteed.
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To the Trade.
2000 ENGLISH IVIES
Strong plants, from 4 in. pots, $15.00 per 100
A No. 1 SCOTT CARNATIONS
$5.00 per 100.
SELAGINELLA
From 3½ inch pots, $5.00 per 100.
64 SASHES 3 feet by 6 feet, 7 inch by 9 inch glass, good for frames making a house 10 feet by 100 feet; $65.00 for the lot.
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EXPRESS PREPAID on all Rooted Cuttings.

Verbenas ready Dec 5th. 40 best mammoth vars. 60c. per 100; $5 per 1000.
Alternantheras, Red and Yellow, 60c. per 100; $5. per 1000.
Ageratums. 4 best vars.; 60-75c. per 100; $5 to $6 per 1000.
Heliotropes. 10 best varieties, $1 per 100; $8 per 1000.
Dahlias. 2 best var. $1.00 a 100, $8.00 a 1000.
Send for our new list; it will save you money.
Write for prices on larger lots.
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2½ inch pots, $2.00 per 100.
Alyssum, Giant Double; Lantanias, 10 named varieties; Coleus, 15 named varieties; Hardy Ivy; Ageratum, Stella Gurney and Dwarf White; Salvia Bonfire, 2½ inch pots, $2 00 a 100
Asparagus Plumosus Nanus 4 in. pots $10 a 100
Cash with order.
R. VINCENT, JR. & SON, White Marsh, Md.
Mention the Florists' Exchange when writing.

Educational Institutions.

There are now 21 students attending the school of practical agriculture and horticulture at Briar Cliff Manor, N. Y., with prospects for a larger number. A course in floriculture is to be one of the features here. George T. Powell is director.

A special six weeks' course in horticulture will open at the Rhode Island College, Kingston, R. I., February 20, 1901. The course will embrace instruction in fruit growing, vegetable gardening, landscape gardening, forestry, floriculture, laboratory work, plant life, insect life and greenhouse construction. Practical men have been secured to give lectures on their own specialties. F. W. Card is professor of horticulture.

At the last meeting of the Denver Florists' Club, F. T. Rusbmore was elected recording secretary, and A. E. Mauff was re-elected treasurer.

Firms Who Are Building.

FALMOUTH, MASS.—Henry H. Fay is improving his greenhouse.

MILTON, N. Y.—Abe Strickland has broken ground for the erection of several new greenhouses.

PALMS and FERNS

Home Grown,
Fine, Clean Stock,
Grown Cool.

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Send for Price List.

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ASPARAGUS PLUMOSUS NANUS 2½ in., $5.00 per 100. $40.00 per 1000. 3 in., $7 per 100; $60 per 1000.

ASPARAGUS SPRENGERI, 2½ in.; $3.50 per 100; $30 00 per 1000.
3 in. $5.00 per 100; $40.00 per 1000.

FERN, PTERIS TREMULA, 2½ in., $2.50 per 100; $20.00 per 1000. 3 in., $4.50 per 100; $40.00 per 1000. Terms, cash. Address

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ADIANTUM CUNEATUM

2½ in. pots, $4 per 100; 3½ in. pots, $5, $6, and $10 per 100.

SPRENGERI

2½ in. pots, $4 per 100
3 in. pots, $5 per 100.

EDW. J. TAYLOR, Southport, Conn.

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BEAUTIFUL FERNS!

N. Davallioides Furcans, Bostoniensis and Washingtoniensis, from 8 inch pots, with fronds 2 to 4 feet long, at $1.00 each; $10.00 per dozen. For other choice and rare plants see my adv., page 1107 of this paper, Nov. 17.

N. STUDER, Anacostia, D. C.

Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

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FERNS IN VARIETY

For Dishes, 2½ in., $3.00 per 100.

Cryptomeria Japonica, Japan Cedar, 2½ in.,	per 100,	$5.00
Cyperus Alternifolius, 2½ in.,	"	2.00
" " 3 in.,	"	5.00
Grevillea Robusta, 4 in.,	"	7.00
Cyclamen Giganteum, in bud, 3 in.,	"	7.00
" " " 4 in.,	per doz.,	1 50
I have a few 5 in.,	"	2 50
Baby Primrose, in bloom, fine plants, 3	"	.75
" " " " 4	"	1.00

Satisfaction Guaranteed. Low Express Rates.

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A splendid stock of established and unestablished Orchids always on hand. A number of varieties now in sheath and spike.
Also Peat, Moss and Orchid baskets.

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WHITE AZALEA INDICA

American grown, large crowns well set with buds, 6 in. pots, $4.00 and $6.00 per doz.

RUBBER PLANTS 18-24 in. high, 6 and 7 in. pots, $4.00 and $6.00 per doz.

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PRIMULA FORBESII In Bloom from 3 in. $4.00 per 100, from 4 in., $8.00 per 100.

Browallia Major, 3 inch, $4.00 per 100.
Cyperus (Umbrella Plants), 2½ inch, $2.00 per 100; 3 inch, $3.00 per 100.

Cash With Order.

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50,000 BOSTON FERNS

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N. EXALTATA BOSTONIENSIS

Small plants, $4.00 per 100 or $30.00 per 1000; large plants, $6.00 to $20.00 per 100; taken from the bench.

Also in 5 in. pots, $3.00 per doz.; 6 in. pots, $6.00 per doz.; 7 in. pots, $9.00 per doz.; 8 in. pots, $1.00 and $1.50 each. Extra fine stock.

—ALSO A FINE LOT OF—

Kentias—Belmoreana, 3 and 3½ inch pots, $3.00 per doz. Forsteriana, 5 inch pots, $6.00 per doz. Larger sizes from 75 cts. to $10.00 each.

Azaleas, in flower for Christmas, from 75c. to $2.50 each.

Asparagus Plumosus, 3½ in. pots, $10.00 per 100.

Araucaria Excelsa, 20 to 24 in. high, 5 to 6 tiers, 6 in. pots, $1.50 each; larger size, $2.00 each.

Assorted Ferns for Jardinieres, $3.50 per 100.

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PREMIUM PALMS

Certificate of Merit for culture, Penna. Hort. Society, March, 1900.
Certificate of Merit for culture, Penna. Hort. Society, November, 1900.

ONLY THE BEST GROWN IN THE BEST MANNER

Immense stock free from insects and disease and in the best possible condition.
Send in your Christmas order at once and avoid the rush and disappointment of late orders.

ARECA LUTESCENS.

3 plants, 6 inch pot, 24 to 28 inches, $12.00 per doz.; $100.00 per 100.
3 plants, 8 inch pot, 36 inch fine, $3.00 each.

COCOS WEDDELIANA.

1 plant, 3 in. pot, 12 in. high, $25.00 per 100.
plants, 5 in. pot, 18 in. high, $1.00 each; $100.00 per 100.

KENTIA BELMOREANA.

4 in. pot,	5 to 6 lvs,	15 in. high,	$4 50 per doz.;	$35.00 per 100			
6 "	6 " 24	"	15.00	"	25.00	"	
8 "	6 to 7 "	30 to 32 in. high	.....	3.00 each.			

KENTIA FORSTERIANA.

4 in. pot,	4 to 5 lvs,	15 in. high,	$4.50 per doz.;	$35.00 per 100			
6 "	6 lvs,	24 to 28	"	$1.00 each;	$12.00 per doz.		
6 "	6 to 6 lvs,	30	"	1 25	"	15.00	"
8 "	6 lvs,	36 to 40	"	3.00	"	36.00	"

JOSEPH HEACOCK, Wyncote, Pa.

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Boston Fern a Specialty

20,000 Very Fine Plants at $25.00 and $20.00 per 100.

Small plants, $5.00 per 100; $40.00 per 1000.

ASPARAGUS PLUMOSUS NANUS and SPRENGERI.

For 4 inch, at $8.00 per 100.

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HEADQUARTERS

For Plants Now and for the Holidays,

IMPORTED DIRECT FROM THE GROWERS IN GHENT, BELGIUM AND OTHER PLACES

Having been to Belgium again myself, I am well posted on their system. As the growers there are all syndicated, I can assure you no one can obtain cheaper rates than I.

ARAUCARIAS

We are headquarters and can give you more value than any house in America can. Order quickly before stock is all gone, and while the weather is not too cold. This is a **rare chance.** I have only about 1000 left.

These I purchased myself and they are of my own selection during my trip to Belgium in September, and I can offer you **special prices.** No seedlings; raised from top cuttings only.

EXCELSA.

5 in. pots, fine thrifty plants, only 50 cts. each
5½ in. pots, 3 to 4 tiers, 12 in. high and above, 60 cts to 70 cts.; 5½ to 6 in. pots, 3 to 4 tiers, strong, bushy plants, 75 cts. and 80 cts.; 6 in. pots, 16 in. high, $1.00; specimen plants, 6 in. pots, 5 to 8 tiers, 22 to 25 in. high, very fine, $1.75 to $2.00.

Araucaria Compacta Glauca, very fine, bushy, 6 in. pots, 18 to 25 in. across, $1.25; specimen plants, 6 to 7 in. pots, $1.50 to $2.25.

AZALEAS

Indica, large stock, my own selection while in Ghent, 10 to 12 inches, 35 cts. each.

Larger sizes, 40 cts. and 50 cts. each.

Specimen plants. Mme. Van der Cruyssen, $1 75 and $2 50 each.

Leading American varieties, such as Mme. Van der Cruyssen, Bernhard's Andrea Alba, Deutsche Perle, Empress of India, Prof. Walter, Simon Mardner, Vervaeneana and others.

Prices for Easter Azaleas good only until Jan. 1, after which will be changed.

CORYPHA AUSTRALIS Hardiest palm of all. Have 5M of them in 5 in. pots, 12 to 18 in. high, 45 cts. each.

Dracæna Bruantii, 5½ in. pots, 24 in. high, most favored house dracæna, 50 cts. each.

Dracæna Indivisa, specimen plants, imported, 6 in. pots, 30 to 36 in. high, 40 cts. each.

FICUS ELASTICA (Rubber plants).

Have 1500, imported last Spring:
5½ to 6 in. pots, $4.00 per doz.
Specimen plants, 6 in. pots, $5 00 per doz.

BEGONIAS SEMPERFLORENS GIGANTEUM.

Best blooming Winter Begonia, 6 in. pots, 25 cts. to 35 cts. each.
President Carnot, 5 in. pots, 25 cts. each.
Other Winter-blooming Begonias, leading varieties, 4 in. pots, 7 cts. each

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Merry Monarch, best early and profitable white 'mum in cultivation; strong clumps, 75 cts. per doz; $5.00 per 100.
(If pots are wanted add 2 cts. each.)

Cyperus (Umbrella Plants), 4 in. pots, $7.00 per 100.

Large Honeysuckles, grown in 6 in. pots, 20 cts. each.

Hardy Ivies, strong plants, 3 in. pots, 7 cts. each.

Geraniums, 2½ in. pots leading varieties $2.50 per 100.

Cash with order, please. Money can be sent safely by Express or Post Office money order, registered letter, draft on Philadelphia banks, etc. Goods must travel at purchaser's risk. Mention if wanted in pots.

GODFREY ASCHMANN, 1012 ONTARIO STREET, RISING SUN, **Philadelphia, Pa.**

IMPORTER AND GROWER OF POT PLANTS.

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ASPARAGUS PLUMOSUS

Good stock, in 3 inch pots, $8.00 per 100; $70.00 per 1000.

2 inch pots, suitable for Ferneries, $5.00 per 100; $45.00 per 1000.

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BALL'S PALMS, &c. CHOICE, HARDY STOCK, Perfect in every respect.

Areca Lutescens, bushy, several plants together, 4 in. at 25c.; 8 in. at 50c. and 75c.; 8 in. at $1.50; 10 in. at $4.00 and $5.00. Large bushy specimens, 14 and 16 in. pots, at $17.50 to $35.00.

Kentia Belmoreana, 5 in. at 20c. and 25c.; 4 in. at 40c and 50c.; 5 in. at 75c.; 6 in. at $1.00 and $1.25; 8 in. at $2.00.

Kentia Forsteriana, 3 in. at 20c. and 25c.; 4 in. at 40c. and 50c.; 6 in. at 75c.

Latania Borbonica, 4 in. at 25c.; 6 in. at 50c. and 75c. Made up, 3 plants, 6 in. at 75c.; 8 in. at $1.00.

Livistona Rotundifolia, 4 in. at 40c.; 5 in., at 75c.

Pandanus Veitchii, 6 in. at 75c. and $1.00; 8 in. at $2.00.

Cocos Weddelliana, Ficus Elastica, Dracæna Terminalis, Dracæna Sanderiana, Arnucaria Excelsa, Etc., Etc.

Price List on application.

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W. J. HESSER
Plattsmouth, Neb.,
Wholesale Grower of **Palms, Ferns** and other **Decorative Plants.** Largest stock in the West. Especially grown for the wholesale trade. Wholesale list to dealers. Send list of your wants and get special low prices.

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CRYPTOMERIA JAPONICA (JAPAN CEDAR) Sells well. Strong plants, 3 inch, $1.00 per doz; strong plants, 2 inch, $5.00 per 100. We also have the following small lots of plants on hand, which will be sold cheap if taken at once: **500 Cinerarias,** 2 inch, $1.75 per 100; **1000 Geraniums,** mixed, 2 inch, $1.75 per 100; **200 Umbrella Plants,** 3 inch, 3c.; **500 Asparagus Sprengeri,** 2 inch, $2.25 per 100. Low express rates. Satisfaction guaranteed.

E. I RAWLINGS, Wholesale Florist, Quakertown, Pa.

Mention the Florists' Exchange when writing.

FERNS. FERNS.

This year our ferns are in fine shape. A good variety and fine bushy stock. 2¼ in. pots, $3.00 per 100; $26.00 per 1000.

Asparagus Sprengeri, 2¼ in. pots, strong, $4.00 per 100.

Send Us a Trial Order and You'll Need More.

HENRY WESTON & BRO., Hempstead, N.Y.

Mention the Florists' Exchange when writing.

PALMS AND BOSTONS

WALTER RETZER & CO.,

2045-59 CLARENDON AVE., (N. Halsted Street), Chicago, Ill.

Mention the Florists' Exchange when writing.

A. SPRENGERI

Extra strong plants, from 2½ in. pots, ready for 3 in.

$2.50 per 100; $20.00 per 1000.

The finest stock offered for this price.

JACKSON & PERKINS CO. NEWARK, NEW YORK.

Mention the Florists' Exchange when writing.

A Few Good Things You Want

KENTIA BELMOREANA and **FORSTERIANA,** 2½ in., 10c.; 3 in., 18c.; 4 in., 35c.; 5 in., 50c. each.

ARECA LUTESCENS, 2 in., 3 plants to pot, 18c.; 4 in., 25c. each. All cool grown, nice clean stock, and cannot be duplicated anywhere for the money.

BOSTON FERN, 3 in., $8.00; 4 in., $15.00; 5 in., $30.00 per 100.

SWORD FERN, Nephrolepis Cordata Compacta, 2½ in., $3.00 per 100.

REX BEGONIA, finest varieties, 2½ in., $4.00; 3 in., $6.00 per 100.

CAMPBELL VIOLET and **VINCA VAR.,** 2½ in., $3.00 per 100.

PRIMULA CHINENSIS, 2 inch, $3.00; 3 inch, $4.00 per 100.

CYCLAMEN GIGANTEUM, 2½ inch, $4.00; 3 inch, $8.00 per 100.

ASPARAGUS Sprengeri and **Plumosus,** 2 in., $5.00; 3 in., $8.00 per 100. Cash with order.

CINERARIA, 2 inch, $2.00 per 100.

GERANIUMS, 2 inch, Single Grant, $1.00 per 100; rooted Cuttings, $1.00 per 100.

GERANIUMS, 2 inch, Double Grant, Mme. Bruant, Mrs. E. G. Hill, Poitevine, Bonnat and S. A. Nutt, $3.00 per 100; Rooted Cuttings, $2.00 per 100.

GEO. M. EMMANS, Newton, N. J.

Mention the Florists' Exchange when writing.

Cyrtomium Falcatum

THE HOLLY FERN.

The hardiest and best variety for table fernerias. Fine bushy plants, $3.00 per 100. Assorted ferns, nice stock, from 2 inch pots, $3.00 per 100.

Ardisia Crenulata Strong plants, 2½ in pots, ready for shift 5 cents.

SEEDLING FERNS. Only 2000 Cyrtomium Falcatum left. Fine young plants, 50c. per 100; $4.00 per 1000, by express. Cash, please.

L. D. Telephone 152-3.

R. G. HANFORD, Norwalk, Conn.

Mention the Florists' Exchange when writing.

BOSTON FERNS

Pot.	Doz	100	1000
2½ inch	$0 50	$3 00	$25.00
3 "	1.00	10.00	80.00
4 "	2.25	15 00	
5 "	4.00	30.00	
6 "	5.00	35.00	

N. COROATA EXALTATA, fine and heavy, 4 inch. $1.75 a doz; $15 00 a 100

Alternantheras. A. Nana yellow, P. Major red, R Nana pink, 50c. a 100, $1 00 a 1000.

Geraniums, fine assortment all the best varieties 2½ in., $2 00 a 100.

Cash with order.

A. J. BALDWIN, Newark, Ohio.

Mention the Florists' Exchange when writing.

THESE plants have a long thrifty growth and are ready for a shift or immediate sale. They have been grown cool and can be safely shipped to any part of the country.

Boston Fern. From 2½ inch pots, $3.00 per 100; $25.00 per 1000.

Asparagus Sprengeri. From 2½ inch pots, $2.50 per 100; $20.00 per 1000. From 4 in. pots, $1.00 per doz., $8.00 per 100.

Asparagus P. Nanus. From 4 in. pots, $1.00 per doz., $8.00 per 100

Asparagus Tenuissimus. Nice 2½ in. plants, $3 a 100

Umbrella Plants. 2½ in., $2.50 per 100.

Cycas Revoluta. 7 to 10 leaves. $1 00 each.

Boston Ivy. (A. Veitchii.) Pot grown, $3.00 per 100; $25 00 per 1000

200,000 Roses. From 2½ inch pots, $2 50 per 100; $20.00 per 1000.

Golden Gate, Crimson Rambler, La France striped La France, White La France, Marcella, Bride, Maid, Etoile de Lyon, Meteor, White Maman Cochet, Mareschal Niel, Pink Maman Cochet, C. Soupert, Pink Soupert, The Queen, Muriel Grahame, Burbank, Marie Van Houtte, Geo. Lee, Mrs Degraw P. Pere, Abel Chatenay, Caroline Marniesse, Yellow Rambler, Empress of China

Large 2-year-old H. P. Roses, well branched, shapely plants, average 18 inches high, $1.00 per doz.; $8 00 per 100. Geo. Jacq., Dinsmore, Paul Neyron, Magna Charta, Mme. Masson, Vick's Caprice.

Cash With Order, Please.

THE JOHN A. DOYLE CO., Springfield, Ohio.

Mention the Florists' Exchange when writing.

FINE PALMS

LATANIA BORBONICA, from 2½ in. pots $4.00 per 100; 3 in. pots, $7.00 per 100; 4 in pots, $18.00 per 100; $2 40 per 12; 5 in. pots, $35 00 per 100; $4.50 per 12; 8 in. pots, $50 00 per 100; $7.25 per 12; from 8 in pots and larger, $2.50 each and upwards, according to size

KENTIA Forsteriana and Belmoreana, from 2½ in. pots, $8.00 per 100; 3 in. pots, strong, $15.00 per 100; 4 in. pots, $30.00 per 100; 5 in. pots, 60.00 per 100, $8.00 per 12; 6 in. pots, $15.00 per 12; from 7 in. up at $1.75 each, and more according to size.

ARECA LUTESCENS, from 2½ and 4 in. pots, at $5 00 $8.00 and $20 00 per 100; 5 in. pots, $40 00 per 100, $6.00 per 12. Fine stock of larger plants from $1 50 upwards. Two fine specimen plants, about 10 ft. high, for $70 00 the pair.

CURCULIGO WEDDELIANA, from 2½ in. pots, $10.00 per 100; 4 in. pots, $25 00 per 100.

PHŒNIX RECLINATA, 4 in. pots, $20.00 per 100; 5 in. pots, $35.00 per 100, $4.50 per 12. Larger plants from $1.00 up.

PHŒNIX RUPICOLA, 6 and 7 inch pots, $1 00 to $1.50 each.

FERNS Assorted, 2½ in. pots, $3.00 per 100; 3, 4 and 5 in pots at $7.00, $12.00 and $25.00 per 100; Nice large plants from 50 cts upwards

AZALEAS At $1.50 per 12 and upwards; fine plants in pots including "Deutsche Perle," good for Christmas forcing.

JOHN BADER, Troy Hill, ALLEGHENY CITY, PA. L. D Telephone, 872a

Mention the Florists' Exchange when writing.

CALADIUMS

Fancy leaved, 40 named sorts.

Dry bulbs, 1¼ to 2¼ in., at $10.00 per 100; $90.00 per 1000
" " 1 to 1¼ " 8.00 " 70.00 "

ORANGES

Best sorts, grafted on Citrus Trifoliata

Beautiful plants, bushy, 15-18 in., $30.00 per 100

PHOENIX CANARIENSIS AND TENUIS

Very Stocky.

3-4	characterized leaves,	15-18 in.,	$15.00 per 100
4-5	"	" 20-24 "	25.00 "
5-6	"	" 24-30 "	40.00 "

PHOENIX RECLINATA Very Stocky,

3-4 characterized leaves, 15-18 in., $25.00 per 100.

LATANIA 4-5 characterized leaves, 18-20 in., $25.00 per 100

BIOTA AUREA NANA Best dwarf Biota, 12-15 in., $12.00 per 100

Not less than 50 at above rates. Send for Price List.

P. J. BERCKMANS CO., Augusta, Ga.

Mention the Florists' Exchange when writing.

AT A BARGAIN!

500 Bridesmaid Roses, 3 in., good stock, at $4.00 per 100; the 500 for $18.00 cash.

Palms, Kentia Belmoreana, 2 in., per 100 $7.00; 3 in., per 100, $20 00.

Latania Borbonica, 3 in., per 100, $13.00.

Dracæna Sanderiana, 2 in., per doz., $1.50.

Selaginella Emmeliana, 2 in., per 100, $3.00

Asparagus Sprengeri, fine, 2 in., per 100 $4 00

Grevillea Robusta, 3 in., per 100, $5.00.

Rex Begonias, 3 in., in 10 good varieties, per 100, $7.00.

SMILAX.

Good Stock, from Pots, at $1.25 per 100; $10 per 1000. *Satisfaction Guaranteed. Cash with order.*

GEO. L. MILLER, Newark, Ohio.

Mention the Florists' Exchange when writing.

NOTICE! TO INSURE SAFE ARRIVAL OF PLANTS in cold weather, customers, when ordering, should give route by which plants should be shipped, and at same time notify agent in their end of line to place box in heated room until same can be called for by consignee.

Agents should be cautioned not to deliver plants except in heated wagon in freezing weather.



NEPHROLEPIS WITTBOLDII.

Strong plants from bench, ready for 3 inch pots, $1.00 each; $10.00 per Doz.; $75.00 per 100.

Kentias.

Varieties.	Size Pot.	Height Ins.	No. Leaves.	Each.	Per Doz.	Per 100
Belmoreaua,	2½	6 to 9	3 to 4	$	$ 1.50	$12.00
Belmoreana,	3	10 to 12	4 to 5		2.00	15.00
Belmoreana,	3½	12 to 14	5 to 6	.25	3 00	20.00
Belmoreana,	4	14 to 16	5 to 7	.40	4 00	30.00
Belmoreana,	5	16 to 20	5 to 6	.75	7.20	60.00
"	strong, 5	18 to 24	5 to 7	1.00	12.00	90 00
Belmoreana,	6	20 to 22	6 to 7	1.25	15.00	125.00
"	strong, 6	26 to 28	6 to 7	1.50	18.00	180.00
Belmoreana,	7	36 to 40	6 to 7	2.25	27.00	200 00
Forsteriana,	2½	6 to 9	3 to 4		1.50	12.00
Forsteriana,	3	10 to 12	4 to 5		2.00	15.00
Forsteriana,	3½	12 to 14	5 to 6	.25	3.00	20.00
Forsteriana,	5	20 to 24	5 to 6	.75	7.20	60.00
"	strong, 5	22 to 26	5 to 6	1.00	12.00	90.00
Forsteriana,	6	26 to 30	5 to 6	1.25	15.00	125.00
"	strong, 6	30 to 34	6 to 7	1.50	18.00	180.00
Forsteriana,	6	44 to 50	6	3.25	39.00	300.00

Latanias.

Borbonica,	2¼	3		.50	5.00
Borbonica,	3	12	5 to 6	1.00	8.00
Borbonica,	3½	12 to 15	5 to 6	.15	1.50	12.00
Borbonica,	4	15 to 16	5 to 7	.25	3.00	20 00
Borbonica,	5	18 to 22	6 to 7	.50	5.00	35.00
Borbonica,	6	20 to 24	6 to 8	.80	6 00	50.00
Borbonica,	6	24 to 30		.75	9.00	

Arecas.

Variety.	Size Pot.	Height, Plants Ins.	in pot.	Per Doz.	Per 100
Areca Lutescens,	2½	5 to 6	3	$1.00	$6.00
Areca Lutescens,	3½	12 to 14	3 Ea.	2.00	15.00
Areca Lutescens,	4	15 to 16	3 $0.25	3.00	25.00

Asparagus.

Variety.	Size pot.	Per Doz.	Per 100
Asparagus Sprengeri	2 in.	$0.50	$1.00
Asparagus Sprengeri	4 in.	1.50	12.00

Ferns.

Varieties.	Size pot.	Per Doz.	Per 100
Pteris Serrulata	2 in.	$0.50	$4.00
Pteris Umbrosa	2 in.	.50	4.00
Cyrtomium Falcatum	2 in.		4.00
Cyrtomium Falcatum	3 in.	1.00	8.00
Cyrtomium Falcatum	4 in.	1.50	10.00
Nephrolepis Rostoniensis	2 in.		4.00
Nephrolepis Cordata Compacta, fine plants	6 in.	4.00	30.00

Miscellaneous.

	Each
Araucaria Excelsa, 4 inch	$0.50
Araucaria Excelsa, 4 inch, nice plants	.75
Araucaria Excelsa, 5 inch, nice plants	1.00
Corypha Gebanga, 3 in., 5 to 6 leaves, $3 per doz.	
Curculigo Recurvata, 4 inch	$2.00 per doz.
Curculigo Recurvata, 5 inch	$4.00 per doz.
Cyperus Alternifolus, 4 in	$1.00 per doz.
Cyperus Alternifolus, 5 in	$1.50 per doz.
Dracæna Terminalis, 3 in	$2.00 per doz.
Dracæna Terminalis, 4 in	$4.00 per doz.
Dracæna Terminalis, 5 in	$6.00 per doz.
English Ivy, strong, 4 in	$2.00 per doz.
English Ivy, strong, 5 in	$3.00 per doz.

	Pot	Height	Leaves	Each	Doz.	100
Aspidistra Lurida,	5	15-20	6-12	50c.	$6.00	
Cocos Weddeliana	3			25c.	2.00	15.00
Ficus Elastica	6	22-23	12-14	75c.	7.20	$60.00
Ficus Elastica	7	24-26	14-16		10.00	75.00
Maranta Kerchoviana	3½				2.00	
Pandanus Utilis	2½	6- 8	10-12		1.00	8.00
Pandanus Utilis	3	8-10	12-15		2.00	15.00
Pandanus Veitchii	8				$3.00	36.00
Pandanus Veitchii	7				2.25	27.50
Pandanus Veitchii, extra fine	6				16.00	
Peperomia Argyræa			4		2.00	
Peperomia Peltata			4		2.00	
Phœnix Reclinata	3		4- 6		1.50	10.00
Phœnix Canariensis	3		4- 6		1.50	10.00
Phœnix Reclinata	10	40-45	6- 8	3.50		Doz.
Sanseviera Java. Var.,	2 in., strong plants					$0.50
Sanseviera Java. Var.,	3 in., strong plants					1.20
Sanseviera Java. Var.,	4 in., strong plants					2.00
Sanseviera Java. Var.,	5 in.					3 00
Zingiber Officinale (Ginger Plant),	4 in.					2.00
Zingiber " " "	5 in.					3.00

THE GEO. WITTBOLD CO., Palms and Ferns, **1657 Buckingham Place, Chicago, Ill.**

Mention this paper.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO., LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

SUBSCRIPTION, $1.00 PER YEAR

To United States, Canada and Mexico.
To foreign countries in postal union $2.00.
Payable in advance. The date on the address label indicates when subscription expires.

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BOOKS.

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Erratum.

In advertisement of A. B. Davis & Son in issues of December 8 and 15 read price of petunia cuttings, $1.25 per 100, post paid; not $1.00 per 100.

A Merry Christmas to All.

The Guernsey Growers' Gazette has discontinued publication, on resolution passed at the last regular meeting of the association.

The Delineator, published by the Butterick Publishing Co., Limited, New York, issues a very beautiful holiday number for January. Ladies will find much to interest them in the publication named. The colored fashion plates are particularly handsome.

RANDOLPH, VT.—H. M. Totman has succeeded Totman Bros.

MAYVILLE, N. Y.—J. Ruland has given up the Baldwin greenhouse and will move to Westfield to engage in the same business. We hope, says *The Sentinel*, some one else will be induced to locate here, as it appears to be a good opening for the right person.

GALVESTON RELIEF FUND.

Contributions Received to Date.

Peter Henderson & Co., New York City,	$100.00
Morris County Gardeners and Florists' Society, Madison, N. J.	59.30
C. W. Ward, Queens, N. Y.	50.00
Pittsburg and Allegheny Florists and Gardeners' Club, Pittsburg	50.00
Morris County Gardeners and Florists' Society, Madison N. J.	50.00
The Florists' Exchange	25.00
Charles Black, Hightstown, N. J.	25.00
John Peed & Son, West Norwood, London, S.E. (£5)	24.30
Chas. T. Siebert, Pittsburg, Pa.	10.00
A. Begerow, Newark, N. J.	5.00
John G. Esler, Saddle River, N. J.	5.00
C. Eisele, Philadelphia Pa.	5.00
G. M. & F. W. Wessels, Aiken, S. C.	5.00
Thomas Barson, Johnstown, N. Y.	3.00
A. J. Pennock, Lansdowne, Pa	2.00
John Birnie, West Hoboken, N. J.	2.00
Beaulieu, Woodhaven, N. Y.	2.00
F. I. Drake, Pittsfield, Mass.	2.00
W. J. Anker, Danville, Ill.	2.00
A. H. Langjahr, Brooklyn, N. Y.	2.00
H. B., Hot Springs, Va.	1.00
I. L. Powell, Millbrook, N. Y.	1.00

Society of American Florists and Ornamental Horticulturists.

DEPARTMENT OF PLANT REGISTRATION.

ROSE FREEDOM.—Arthur Griffin, Newport, R. I., registers new rose, Freedom, a sport from Liberty, identical with that variety in every respect except color, which is a bright rose; the reverse of petals, deep rose. WM. J. STEWART, Secretary.

The Free Seed Abuse.

The contract for supplying seeds to the United States Department of Agriculture for free distribution during the season of 1902 has been awarded. The contract price is $101,975. The contracting firm is the same one that has performed this work for the Government on a former occasion. The names of the unsuccessful bidders, together with the amount of their bids, are given in another column.

One gratifying feature in connection with this contract is the fact that the firms considered to be the most prominent in America have evidently washed their hands clean of the entire matter, refusing to become parties to the government's unjust work. Not only is this true of those who have at no time had any direct dealings with the government along this particular line, but also of those who at one time or another have furnished the called-for seed supplies, and taken advantage of the advertising which the carrying out of this work has been supposed to afford by publicly announcing the fact through the medium of their catalogues. These latter parties are to be congratulated upon their change of heart, and it is to be hoped that the other seedsmen of the country, and particularly those who by their offers to supply the government with seed still seek to aid our national rulers in perpetuating this needless and worse than useless squandering of public funds, will follow the commendable example thus set. Until this happens we fear the free seed abuse will continue, for so long as any part of the seed trade is a beneficiary under the law, emphatic and well-put protests, such as those contained in the circular recently issued by the secretary of the Wholesale Seedsmen's League, will pass unheeded as the idle wind; the grievance complained of not being all-embracing so far as the seed trade itself is concerned.

Under existing conditions it appears to us that this ridiculous farce of governmental seed distribution cannot be discussed unbiasedly either by the seedsmen or the Congressmen, seeing that the matter of what is looked upon as self-interest on the one hand and illegitimate selfishness on the other so largely enters into the question. Nor is it likely to receive honest treatment at the hands of a large mass of the general public who are the recipients of this bounty so liberally dispensed by our government. There are, though, to be found those who do and will deal with the subject from the standpoint of principle and right; and it is to them that those now oppressed must look for relief, until the entire seed trade, with one accord, lift its voice in demanding redress from a heinous wrong. This latter condition, however, appears to be as far off as is the millennium.

Why not have the Supreme Court pass upon the constitutionality of the legislation providing for the injustice of free seed distribution?

Plant Registration Bureaus.

The registration of new plants, at one time entirely ignored in this country, now seems in a fair way to be overdone, so far as the number of bureaus available and undertaking such work is concerned. The example set by the American Carnation Society of safeguarding the nomenclature of new varieties for its members, and preventing synonymy by registration, has been followed by other national floricultural bodies, among which are the Society of American Florists, the American Dahlia Society and latterly the American Rose Society.

No one will question the advisability of each separate organization endeavoring to further the interests of its membership to the fullest extent in its power; but existing conditions certainly frustrate a simplification of the results accruing from the important work of registration than otherwise.

The registration of the Society of American Florists is of a general character, taking cognizance of the specialties which each of the other societies represents, and with the S. A. F. some of these specialties have also been registered. There is no apparent good reason for double registration; in fact, if only one bureau were to undertake and perform the work, it would be ample and fully serve the purpose sought.

What is required with respect to this matter is the annual publication of only one list, comprehensive and complete in every detail—something that the present system precludes. We hope some arrangement can be effected between the various existing registration bureaus, whereby such a list may be forthcoming.

Attention has been called to the custom of using undignified abbreviations in connection with plant nomenclature now prevalent in trade circles, and the need for its curtailment or entire abolition. Very great assistance could be rendered toward the accomplishment of this were originators and introducers of plants to attach to these, names that allow but little scope for any such contractions and which incur no great effort in the pronunciation. Short titles like "Egypt," "Norway," etc., which have recently been applied to new varieties of carnations, and "Brutus," "Omega," etc., to chrysanthemums, could hardly be rendered in any other than their original names by even those most conservative of speech, or whose time for the utterance of lengthy appellations is most limited. So long as names affording a large "mouthful" are tagged on to plants and flowers, just so long will the tendency to cut these names short persist, and we might as well try to help the matter now as at any future time. Not only do these lengthy names tend to a continuation of a custom, the propriety of which is questioned, but they also confuse and entangle when it comes to listing them alphabetically, either in catalogues or otherwise. When you want to christen your new varieties in future, bear in mind always the admonition, "be brief; cut it short."

New York.

The Market.

The close of this week shows a decided lull in the cut-flower business. On Monday trade was quite good, and prices along all lines had an upward tendency. American Beauty reached $10 per dozen and Bridesmaid touched 15c. and 20c. each. Since Monday, however, trade has gradually decreased, and flowers were selling cheaper Thursday than on any other day this week. Plenty of evidence is around that roses and carnations are being held back. There is not the least doubt that good prices will prevail for Christmas, but only for choice stock, and no held-over flowers can be classed as choice. There is no likelihood of any shortage of cut flowers for Christmas.

White lilac is coming into the market and brings from $1.50 to $2.50 per bunch of 12 sprays. Cut poinsettias are also in and fetch from $3 per dozen upward, according to size.

Among the Retailers.

Baskets of plants form the principal feature in window displays for the holidays, and many pretty combinations are seen. Where cut flowers are used in the window, it is usually something out of the ordinary. In Thorley's Broadway store window there was an elegant bunch of the Queen of Edgely rose this week.

The weather has been so cold that there has been some delay in getting in the stock of plants, consequently the work of basket filling has had to be crowded into the last few days preceding Christmas.

Alex McConnell recently decorated the tables at the Union League Club, the occasion being the dinner of the bank presidents. American Beauty roses, set in growing adiantum and bordered with Roman hyacinths, were the feature of the tables.

The Rosary Co. (J. H. Troy, manager) have two fine specimen davallias in the window, surrounded with Begonia Gloire de Lorraine and oranges. This firm will have charge of the decoration in Mr. W. C. Whitney's mansion on January 4, when a grand ball is to be given.

Jottings.

Paul de Longpre, who is now a resident of California, has a collection of his flower paintings on exhibition at Knoedler's, Fifth Avenue.

The executive committee of the American Rose Society met on Saturday last, and decided to hold the Spring show of 1901 in the Waldorf-Astoria Hotel. The proceeds of the exhibition will be given to charity. There is every indication of a most successful show.

Isaac J. Simonson, who conducted a seed, bulb and florist supply business at 63 Barclay Street, had the misfortune to lose his entire stock by fire on Wednesday, the 12th inst. The loss is partially covered by insurance.

The Kervan Co., dealers in evergreens, have opened a branch store for the holidays at 34 West 29th Street.

J. Bahret, of Poughkeepsie, N. Y., was a visitor this week.

Aldred & Co., Fifth Avenue, furnished a casket cover on Wednesday that cost $1,000 when completed. It was made of violets only, lined with silk, and covered the casket of Judge Beaman, whose funeral took place at Windsor, Vt.

Christmas trees are moving out at a good pace this year. Along the water front, reaching from Chambers to Jay Streets, big quantities have been on sale for the past ten days. The demand for extra large trees has been the best, and this size is about cleared out. One Maine shipper, who usually brings in 20 carloads to this market, made a change this year and took his trees to Philadelphia. This venture has overloaded the market there, and many of the trees are being reshipped to this city to be sold here. The fruit and vegetable dealers in the neighborhood of West Street are handling large quantities of ground pine and holly made up into wreaths, roping, etc. Loose ground pine is not at all plentiful among these dealers.

Calendars Received.

ARTHUR COWEE, Berlin, N. Y.—Mr. Cowee has presented an original idea in calendars, and has utilized as a "picture" a reduced reproduction of the S. A. F. certificate awarded in August last for Groff collection of hybrid gladioli.

Philadelphia.

Christmas Prospects.

Prospects for a good supply of cut flowers for Christmas trade are such that the retail stores seem to be resting easy, and not worrying at all about placing orders far ahead. Indications are that all the Beauty roses will be used up. There is likely to be a surplus of medium grades of tea roses. Carnations will not be in over-supply, excepting, possibly, the poorer stock. Some say violets are likely to be scarce; then, again, you meet a man who has been on a violet grower's place, and he tells you the latter is only picking sufficient flowers for orders; but the plants are full of buds, boilers and pipes are in good condition for an extra supply of heat Saturday and Sunday nights, so you cannot tell until it is all over.

There is evidently an over-supply of holly and green stock generally, as it is not moving out fast, indicating that more than usual have bought direct.

Pennsylvania Horticultural Society.

The meeting of the Pennsylvania Horticultural Society on Tuesday last was well attended. Dr. Henry Skinner gave an illustrated lecture on "Insects Injurious to Vegetation," which was very able and most instructive. The election of officers for 1901 resulted as follows: President, James M. Rhodes; vice presidents, Dr. George Goebel, Henry F. Michell, Edward Le Boutillier and John McCleary; treasurer, Sidney W. Keith; secretary, David Rust; professor of botany, Thomas Meehan; professor of horticultural chemistry, Dr. Persifor Frazer; professor of entomology, Rev. H. C. McCook, D. D.; executive council, Moses Paxton, Wm. K. Harris, Thomas Long, Francis Canning, John Thatcher and Wm. Fowler; representative to State Board of Agriculture, Edwin Lonsdale.

The Committee on Premiums presented their report for 1901. The Fall show will be held on November 12 next.

DAVID RUST.

Buffalo.

Christmas Prospects.

In a look ahead, prospective of Christmas trade, the only condition that might have an untoward effect at that time would be bad weather. Social functions among the flower-buying classes will be numerous in entertainments that promise to be rather lavish. The retailers, however, acting from past experiences of too high prices, are a bit wary of placing many orders for flowers in advance. They very sensibly are looking up nice lots of plants, as salable at as good margins over cost as are cut flowers, and with less handling risk. The stores are quite alive to this condition, and the plant showings in poinsettias, Begonia Gloire de Lorraine, azaleas, palms and ferns are pleasing and pretentious.

Flowers give promise of being usually plentiful (or scarce, if so pre erably termed) at this time, and nothing noticeable as over abundant. A general scarcity of carnations, no doubt, will prevail. Some of the retail men who are in position to know the present trend of consuming buyers say that there now exist generally easier financial conditions among that class, and that an active cut-flower trade may reasonably be expected doing the next few weeks.

Ground pine has come in almost provokingly scarce, with holly unreasonably plentiful. The quality of the latter in most instances is satisfactory, but it has been seat in to the produce houses to be sold on commission in lots, apparently out of reason as regards quantity. Every corner grocery of pretense makes its showing of it on sale. What's to prevent when well-packed cases of it are to be had for less than cost of gathering and shipping it, and some of it a prime Delaware article at that? Holly wreaths seem to be in active call, however, and though shippers may be losers, it is still possible the apparent surplus will find sales at some price.

Jottings.

Recent callers included C. T. Guenther, Hamburg, N. Y.; Fred G. Lewis, of Lockport, and J. A. Penman, of New York, who seems to be meeting success in placing orders for Prof. Bailey's new horticultural work.

Mrs. M. Klockow, who previously was engaged in the retail trade in this city, recently opened a small but neat store at 13 Wadsworth Street. VIDI.

Boston.

The Market.

Business the early part of this week was almost entirely composed of shipping Christmas greens. The demand has been excellent, and the supply, excepting of laurel, was very good. Holly generally has been very well berried, and much of it had fine foliage, especially the native holly.

Cut-flower business has been light, as is usual the week before a holiday. The supply of stock on the market is limited, but the demand is not heavy.

In roses, the prices on American Beauty are well maintained, the supply being so limited that a small demand cleans up the stock pretty well. Bride and Bridesmaid are more plentiful; still, not so much so as the favorable weather would indicate. Prices hold about the same as last reported. Liberty is becoming more plentiful, but the supply is yet very light, the demand being far in excess of it. This rose would no doubt be a fine seller for the holidays. Growers are predicting a scarcity of roses, but there appears no reason why such should be the case.

Carnations are being held back, and though the demand is light, the small quantities brought in keep up the prices well. Extra fancy stock brings $4 per 100. Romans and Paper Whites continue very plentiful, and with lilies and other white flowers move rather slowly.

Violets are very scarce and bring good prices, extras selling at $1.25 and $1.50 per 100. Valley is plentiful, at usual prices. Mignonette is still scarce and sells well at $2.50 to $4 per 100.

Chrysanthemums are about wound up. A few good ones can yet be had, however, at from $1.50 to $3 per dozen.

The retail store windows are bright with the vari-colored Christmas plants and flowers. All the store men look forward to a good holiday trade.

Among Plant Growers.

The supply of plants this season will be large and varied, and plant growers are about cleaned out of everything sufficiently far advanced for Christmas purposes.

Azaleas intended for the festival have been pretty well bought up. Cyclamen, too, have sold well; Thomas Roland, of Nahant, George M. Anderson, of Milton, and Thomas W. Dee have brought in some fine plants. Mr. Roland also had a nice lot of Begonia Gloire de Lorraine, as did J. W. Tailby & Son, of Wellesley. Primulas of very good quality are clearing up well. Jerusalem cherries have had a large call, as have ardisias and orange trees, of which the supply was very limited this season. There are the usual quantities of poinsettias, pans of Romans and Paper Whites, pots of stevia, etc., all of which have sold well.

Jottings.

On Sunday, December 16, Mr. and Mrs. Fred R. Mathison celebrated the 25th anniversary of their wedding. A handsome collection of table silver was sent from a party of Boston florist friends.

The wholesalers have increased their force of assistants, and all are kept on the jump all day long. F. J. N.

The following is a list of officers for 1901 of the Boston Market Gardeners' Association: President, W. W. Rawson; vice-presidents, W. H. Derby and J. O. Wellington; secretary and treasurer, J. B. Shurtleff, Jr. Executive Committee: W. H. Derby, Walter Crosby, J. C. Stone, W. F. Symmes, M. Sullivan, Chas. G. Winn.

The 14th annual banquet of the association was held at the Revere House, Boston, December 13, and was the largest in its history.

Toronto.

Trade News.

Business continues good. There is a scarcity of first-class roses, violets and carnations, and prices for the former remain high. With favorable weather the Christmas supply will be sufficient; otherwise, stock will be scarce.

Club moss is not very plentiful, and the wreathing in evidence is not of the best quality. Considerable holly is on the market; commission men are handling it at low prices.

Jottings.

J. H. Dunlop is having good success with Liberty rose.

Jay & Son have improved their store and conservatory.

Fire in the greenhouses at Mount Pleasant Cemetery, Saturday last, did considerable damage.

Association Meeting.

The Gardeners and Florists' Association held its annual meeting December 18. The treasurer's report showed that all outside expenses connected with the recent chrysanthemum show had been paid, and there was sufficient funds to pay 65 per cent. of the prize money. This was ordered done. The secretary reported about 60 members in good standing. The election of officers for the ensuing year resulted as follows: President, W. J. Lawrence; first vice-president, W. Woods; second vice-president, E. Collins; secretary, William Jay; auditing secretary, R. Charlton; treasurer, George Mills; executive committee, John Chambers, A. Watkins, J. Graham, H. Dillinworth, J. H. Dunlop, W. Muston and T. Manton. T. M.

Hartford, Conn.

A number of the florists organized the Hartford Florists' Club Tuesday, December 11, and elected the following officers: President, T. J. McRonald; vice-president, W. W. Hunt; secretary, J. F. Coombs; treasurer, D. A. Spear.

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American Carnation Society.

NEW CARNATIONS REGISTERED.

By E. T. Grave, Richmond, Ind.

DOROTHY, color pink, Scott shade, flower large and symmetrically built out nicely in center. Calyx strong, never bursts. Stems long and stiff, being well able to support the flower. A continuous and very free bloomer from early until late. An excellent keeper and shipper.

Dorothy is a duplicate name of an old variety, but the above has been shown and advertised before being registered, and there being none of the former Dorothy grown at this date, the name is practically new. If growers of new carnations would register the names before giving the varieties to the public, duplication could be, to a great extent at least, avoided. ALBERT M. HERR, Secretary.

To Carnation Raisers.

Mrs. J. Montgomery Sears offers through the Massachusetts Horticultural Society the following special prizes:

For the best seedling carnation originated subsequent to 1900, to be judged at three exhibitions in Horticultural Hall, Boston, in November, February and April (six blooms to be shown) and at three exhibitions in each November, February and April thereafter (25 blooms to be shown), competition limited to the originators of the varieties exhibited and to continue until one variety has won first place consecutively throughout two seasons, a cash prize of $250, and for the variety having scored next nearest to the above requirements, to be awarded a cash prize of $100.

Judging to be according to the following scale and recognition to be accorded only to varieties scoring 85 or more points:

SCALE OF POINTS.

Fragrance	20
Color	20
Form	20
Size	20
Stem	15
Calyx	5
	100

The first competition under the specifications will take place on the second day of the chrysanthemum exhibition at Boston, November 6, 1901. For further particulars address the chairman of the Schedule Committee,

WM. J. STEWART.
Horticultural Hall, Boston, Mass.

Supporting Carnations.

The illustration herewith shows a very simple method of providing support for carnations, employed by R. P. Jeffrey & Son, Bellmore, L. I. The netting used is of six-inch mesh, made of ordinary cord, and the same width and length as the bench. A tight-drawn wire is fixed clear around the sides and ends of the bench and high enough from the soil to hold the net where it will support the stems. After the wire is in place the net is spread over the bed, and the edges are laced to the wire with string; no knots are necessary; the string is simply threaded through the loops of the net and around the wire alternately until the circuit of the bench is completed. When the time comes to remove the net, the string is unfastened at one end and withdrawn; the net is then folded up and laid away, to be used another season.

The netting can be made of strong cord by a handy man, or it can be purchased at a quite reasonable cost, and will last for two or three years.

Marquisee's New White Carnation.

Editor Florists' Exchange.

Your correspondent "W. M." is in error when he states our new white carnation is a seedling from The Marquis. The Marquis does not seed. The white in question has no Marquis "blood" in it. It is a new and distinct variety and will be heard from later. "The plants were not in bloom," as your correspondent says, for we are devoting them entirely to the production of cuttings.

L. E. MARQUISEE.

BRIEFS FOR BUSY FLORISTS.

ADIANTUM CUNEATUM.—Where this fern is grown on benches for cutting purposes, some little care should be exercised in watering after cutting commences. When the plants are partially cut down, very little water should be given until new fronds begin to push up from the crown. Should the plants be kept too wet after the fronds are cut, the next crop of fronds will prove very unsatisfactory.

PELARGONIUMS of the fancy varieties should be kept right on growing after the cuttings once become rooted. Take them out of the sand without delay when roots have formed; and after they are potted keep them in a house where the night temperature is from 55 to 58 degrees. Keep the plants as near the glass as convenient, and look out for green fly. A fumigation should be given once a week.

THE FALL-STRUCK GERANIUMS must now be given more room on the benches. About this time it is just as well to pot the plants over into the 3-inch pots, and get them growing, if room for them can be spared. By starting them along now, each plant will provide a good cutting in a few weeks, thus doubling the present stock on hand if necessary.

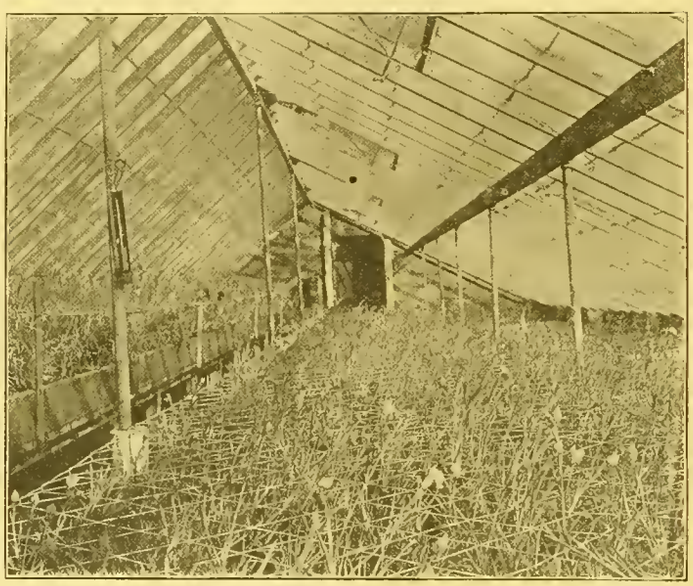
FUCASIAS.—The old plants of these, if shaken out of the pots and repotted, then put into a warm house and syringed occasionally, will soon throw out a crop of cuttings. These, if taken and rooted in the sand, will make far better plants for Spring sales than would the old plants themselves.

Among Flatbush Growers.

Louis Schmutz has another novelty this year, though it will not be at its best for the holidays. The plant is the Indian strawberry (Fragaria indica), grown in pots and trained over a wire balloon frame about 20 inches high. At the present time the wire is well covered with foliage, some berries are in sight and the many blossoms showing indicate that a full supply of fruit will materialize later. The plants are intended for decorative purposes, and will no doubt prove good sellers when they come into full crop. Mr. Schmutz has also a fine collection of flowering plants for Christmas, his poinsettias, Begonia Gloire de Lorraine, primulas and cinerarias being especially good.

Carl Woerner, manager for Mrs. P. B. Meissner, has a choice array of plants for the holidays, and the cream of the whole establishment are the magnificent specimens of Adiantum Farleyense. In one house of these the plants average about two feet across. Mr. Woerner has also been very successful with cyclamen; a house of these are at present in full bloom and they are a grand sight. The strain grown is that sent out by Lehnig & Winnefeld, of Hackensack, N. J., and the colors and size of the flowers, together with the dense foliage, leave nothing to be desired. Azaleas are also coming along nicely for the holidays, also plenty of excellent ardisias, oranges and primulas.

Chas. Zeller & Son have a fine lot of oranges and ardisias; their poinsettias and primulas are also quite up to the usual standard. The oranges raised here have gained a very wide reputation, and although there was an unusually large number grown this year, Mr. Zeller is wishing they had twice as many more, as he had to stop taking orders for them some time ago.



R. P. Jeffrey & Son's Method of Supporting Carnations.

At the Close of the Century.

Without professing to review the experiences of a century or to pose as the oldest living member of the profession of plant-growing, there are many recollections and contrasts that may readily be cited among those of us whose experiences cover three decades, and as the holiday season is a reminiscent period to most people, any further apology for the following notes may not be necessary.

Thirty years ago the cut-flower trade was decidedly an infant industry, and tile-lined refrigerators lighted by electric lights and inclosed with plate glass were luxuries beyond the reach of even the city florist, to say nothing of his provincial brother, who frequently evolved funeral designs on a small bench at the end of the potting shed, a location and an employment that had a distinctly depressing effect on the florist's assistants on a cold winter night. On such occasions the said assistants, with blue and chilly fingers (and this is a matter of personal experience), were often engaged in constructing a false foundation of toothpicks and wire on sundry double white primulas, small clusters of stevia, sprays of green stuff, and if the work in progress was of a superior character there might also be included some carnation flowers, a few stephanotis and bouvardia, and occasionally even some eucharis.

A batch of sprays of Crassula lactea was quite a choice possession at midwinter during those days, and found a ready market even in the critical city of New York.

We can imagine the greeting that would be given to such an offering in the reception rooms for five-foot Beauty and two-foot carnations that are presided over by the artists of the present day.

At the time referred to, long-stemmed flowers were the exception rather than the rule, and consequently were seldom asked for, though even at that early day there were a few churches in New York and Brooklyn, and possibly in some other Eastern cities, that made an arrangement for a regular supply of vase flowers for pulpit or altar decoration each week during the Winter. These orders were for $5, $10 or sometimes $15 worth of assorted material, suitable for the purpose, the carefully wrapped box being forwarded by special messenger.

It was troublesome at times to find sufficient good material to fill these orders, including, as they did, both foliage and flowers, but a few late chrysanthemums were a great help before the poinsettias were ready, and a good bunch of long sprays of bouvardia, and also a few shoots of cannas or hedychiums for backing, and with some of the long and pendant flowering shoots of Passiflora princeps to give an artistic touch to the arrangement, much satisfaction was given to the floral committee.

On special occasions, when the amount of the order warranted it, a spike of oncidium, one or two anthurium spathes, a few Lælia autumnalis, Eucharis amazonica, or a spike of Phajus grandiflorus might have been added, and at that period attracted more attention than such things do now.

The forcing of roses was a new industry, comparatively speaking, and had only been taken up by a select few, though possibly a greater number of varieties were cultivated by the commercial grower of that time than has been common of late years. Bon Silene and Safrano were leaders then, for it will be remembered that Perle des Jardins was not even introduced until 1874, and while Catherine Mermet preceded the introduction of the Perle by five years, yet it did not become a prominent forcing rose until after the latter variety.

And within 25 years both these fine varieties have been superseded to such a degree that it now requires some little inquiry in order to find a whole house of Perle des Jardins. A little later on the brethren dwelling among the sylvan beauties of Madison, N. J., began to be an important factor in the rose market, a position that they have held ever since with commendable regularity, and the forerunner of those express car loads of Beauty that are now reported was seen in the form of numerous long boxes filled with Cornelia Koch (or Cook) in ivory white buds the size of a hen's egg. At that time the latter rose was chiefly pot-grown, and some wonderfully fine flowers were produced by that method. Then there were also one or two growers who sent in from time to time some fine crops of Marechal Niel, though the best of these came over from Long Island, and among them the magnificent blooms grown by Burgess, of Glen Cove, remain as a specially fragrant memory among some of the older generation in the trade.

Carnations were rapidly coming to the front even at that early day, and then, as now, Flatbush was a Mecca to those interested in the divine flower, for where else could one find such large and sturdy carnation plants as in that fertile spot? And although the "prosperity" of the growers in that section was evident, still it had not then produced four-inch flowers, and La Purité, Degraw and Edwardsii were among the most prominent varieties, and gave great quantities of fair-sized flowers, though these were not marketed with two-foot stems.

Violet specialists were about as scarce as hen's teeth at that time, but numerous growers indulged in some cold frames for violet growing, and but little was heard of the "spot" and other tribulations that assail the modern grower, while in favorable seasons the quality of flowers grown in these cold frames was very fine indeed. Those were the days in which lily of the valley brought 50 cents per spray, wholesale, at Christmas time, and a gentleman named Roehrs, whose establishment was much less extensive then than now, was among the fortunate few who knew how to bring in the fragrant bells just at the right time, and also provided the market with a goodly share of them.

And the plant trade! Well, that was an infant, too, and rather a weakly one, in comparison with the acres of palms, the millions of Easter lilies and ferns, the houses full of ficus and Boston fern, and the carloads of imported azaleas, besides roses innumerable that [illegible] up the bulk of the stock of th[illegible]y. But there were enthusia[illegible] amateur ranks of that perio[illegible]velty of merit commanded a[illegible]ce, for it will be remembere[illegible]ing the period of inflation th[illegible] the close of the Civil War, and [illegible] until the great financial pani[illegible] prices in

general were high and the florists received a share in the semblance of prosperity.

A double white oleander was a comparative novelty in the early seventies, and enjoyed a large sale at remunerative prices, it being troublesome to get cuttings fast enough to supply the demand, and another very good seller during the first two or three years following its introduction was Ficus parcellii, a very beautiful variegated foliage plant when well grown, though rather too soft for use in the dwelling. Lapageria alba at $20 per plant, in six-inch pots, sold rather slowly, but what else could one do after paying the European grower two to three guineas per plant, and then adding the costs of importation?

Good orchids brought good prices from the enthusiasts, but the volume of trade in this class of plants was small in comparison with what it has been during the last decade, the importations being in smaller lots.

The Centennial Exposition in 1876 doubtless did quite a lot of good for the plant trade in succeeding years, the displays made there giving instruction and new ideas to thousands of visitors, and certainly helped to popularize plant-growing among the masses, while previous to that, in 1874 and 1875, and also in 1876, some remarkable exhibitions of fine plants and flowers were given by the old New York Horticultural Society in Madison Square Garden, exhibitions that in some respects have scarcely been equaled since.

But after all, Mr. Editor, even three decades seem to be too much to cover in one article, and lest the gentle reader may fall asleep, these more or less garrulous ramblings would better stop right now. W. H. TAPLIN.

OBITUARY.

William J. Palmer.

The regretted death of Wm. J. Palmer on Thursday, December 13, removes the pioneer of the florist business in Buffalo. The knowledge of his demise comes in sadness to many aside from those in the craft, his acquaintance being large, through his long-continued residence there. Always genial, whole-souled and kind-hearted, he made friends easily and retained them without effort. To those whose privilege it was to come more closely in contact with him he was endeared by many of the amiable qualities which he possessed. He was firm in his own opinions, but liberal-minded. Quiet and unostentatious and reserved in manner, he never sought prominence or notoriety. A commercial florist to the manner born, his career may be noted as successful. In recent years his aim had largely been that of growing flowers in a general variety suited for a retail business, and few, if any, places in the country produced such successful crops of so many kinds all the year round.

Mr. Palmer came to this country from England in 1854. He was then 19 years old and was practically without means. He remained in New York City about three months and then went to Buffalo. He secured employment as a gardener with a Mr. Webb, afterward was employed in the same capacity by Mr. Moseley, and later entered the employ of A. P. Thompson and remained with him 11 years. The next step in his movements was engaging in the commercial business. A place on what is now known as "The Circle" was purchased, greenhouses built and a business established. By industry and upright dealing Mr. Palmer there built up a flourishing trade, to which a downtown store was added in 1873. In 1880 Mr. Palmer moved his greenhouses to Lancaster, where he secured more land and enlarged them. Some years ago he admitted his son to partnership in the business, and it has grown to large proportions.

Mr. Palmer is survived by his sister, Miss Ann Palmer, and by three children, Mrs. Frank R. Kurtz, Mrs. C. Walter Goetz and Mr. W. J. H. Palmer, all of Buffalo. He was a member of Erie Lodge 161, F. & A. M.

Funeral services were held on Sunday afternoon at the residence of his son, W. J. Palmer, on Breckenridge Street.

At a largely attended meeting of the Buffalo Florists' Club, held Saturday afternoon last, a committee, consisting of William Scott, D. B. Long and W. A. Adams, was appointed to draft suitable resolutions on the death of Mr. Palmer. Pursuant to further action at this meeting, an appointed committee of four members attended the funeral services on behalf of the club, while many members also were present. A wreath, made of lily of the valley sprays, was sent by the club. Other floral tokens were numerous, showing the great esteem in which the deceased was held. VIDI.

H. W. S. Cleveland.

Brief mention was made of the death of Horace William Schaler Cleveland in our issue of last week. Those accustomed to pore over the early horticultural literature of this country will have met with Mr. Cleveland's name in the early forties, notably in the first volume of Downing's Horticulturist (1846), the deceased then being engaged extensively in truck gardening at Oatlands, Burlington, N. J., descriptions of which work, as conducted at that time, he gave in lengthy essays.

In the same issue he makes the first reference to cheap vineries, with illustration, once common in this country. Ten years afterward (1854), with Robert M. Copeland, Mr. Cleveland began his life work of landscape-gardening. He resided at Danvers, Mass., for a decade, then at Tarrytown, N. Y., going thence to Prospect Park, Brooklyn, where he was associated with Frederick Law Olmsted.

When the public-park system in Chicago was inaugurated in 1869 he went to



The Late W. J. Palmer.

that city, where he practiced his profession in partnership with Wm. M. R. French, the present director of the Chicago Art Institute. Mr. Cleveland's principal work in Chicago was done in connection with Washington Park and Drexel Boulevard, upon which he published an essay at the time.

In 1886 he moved to Minneapolis, where he was engaged upon the park system of that city until 1894.

Mr. Cleveland did much in establishing the present condition of landscape-gardening in this country, and it may be said to have arisen wholly within his time. Among his principal labors along this line, in addition to the parks mentioned, may be named the laying out of Roger Williams' Park, Providence, R. I.; the grounds, walks, and drives about the Natural Bridge, Virginia; the grounds of the Jekyll Island Club, Brunswick, Ga.; Como Park, St. Paul; all the parks of Minneapolis and Omaha; Brookside, Indianapolis, Ind.; the grounds of the State Capitols at Topeka, Kan., and Madison, Wis., and Sleepy Hollow Cemetery, Concord, Mass.

Mr. Cleveland was for 12 years corresponding secretary of the New Jersey Horticultural Society, an honorary member of the Massachusetts Horticultural Society, and a member of the American Park and Outdoor Art Association. EDGAR SANDERS.

Robert Baker.

Robert Baker, of the firm of Baker Bros., of Kansas City, Mo., died December 13, aged 87 years. He had been a resident of Kansas City for 27 years. The remains were sent to St. Louis for burial.

Correspondence

Christmas Greens.

Editor Florists' Exchange.

I note in your advertising columns the usual activity of the trade in Christmas greens, and it moves me to say that there are here in the sunny South a great many other things that might be used in this way, which, so far, do not seem to have made any impression on the trade. Why is it that the large and firm leaves of the Magnolia grandiflora are not more largely employed in these decorations? Then, too, the glossy sprays of the Prunus caroliniana and above all the brilliant masses of red berries and green leaves of the Ilex cassine (I. vomitoria, as some want it called) would be useful. This plant, so abundant in our coast region, makes a greater show of red berries than any of the common hollies, and the smooth leaves make it far easier to handle. Those who have never seen the great masses of berries on this Ilex, looking like red beads of glass, have no idea of its beauty. Our forests are now gay with the masses of the red berries of the deciduous Ilex verticillata, which would mix finely with evergreen leaves of other kinds in making decorations. Then it is not generally known that we have here a form of Ilex opaca, with golden orange-colored berries, much more freely borne than the red ones. I sent specimens of this a few years ago to Professor Sargent, of the Arnold Arboretum. He said that he had examined the trees of this country as closely as any one, but he had never before seen this golden-berried holly. He asked me to send some young wood in hopes that it could be propagated, but I never learned whether or not he succeeded, as cuttings here failed to grow, and I do not as yet know that the seedlings will retain the character. This golden-berried form is not common, but there are scattered specimens in several parts of the State.

Our beautiful Fall weather was ended by a real freeze December 11, but the character of the weather has been well shown by the fact that camellias, which commonly bloom here in the open air in March, have flowered the past week. The very double ones, as a rule, lose their buds badly, but we have in the beautiful Sarah Frost a double camellia that does excellently outside, and never fails to make perfect blooms. Chinese azaleas are unusually well budded and are getting ready for their usual mass of bloom in the Spring. We find that the Phœnicia stocks on which they are worked give us almost as much bother as the briar stocks on the roses, but the Phœnicia itself makes a fine show in the Spring.

Raleigh, N. C. W. F. MASSEY.

A Deserving Case.

Editor Florists' Exchange:

Fire broke out in the greenhouses of C. Heins, a florist on the Hudson Boulevard near Highpoint Avenue, North Bergen, about 3:30 o'clock Saturday morning. Three large greenhouses, which were well stocked with flowers and plants, were destroyed. The owner estimates his loss at $1,600. The blaze was caused by an overheated furnace.

George Ludwig, an employee of Heins who was asleep in one of the greenhouses that were destroyed, had a narrow escape from being burned to death. He found himself almost completely hemmed in by the blaze when he awoke, and he made a hasty exit just in the nick of time.

You will see by the foregoing that Chas. Heins, an old-time florist, has had the misfortune to get three greenhouses and the sheds connected with them burned down, together with every plant they contained—plants that could have been all turned into money before Christmas; and as he will have nothing more to sell before Spring, every grower will understand just how he is fixed. His neighbor florists will stock his houses for him when these are rebuilt, and will contribute all the money they can afford, but more will be needed than they are able to subscribe, and as Mr. Heins has very little capital, I think it would be a good opportunity for the craft in general to generously extend a helping hand to a brother in misfortune. Money sent to George Kogge, florist, Grand Street, Hoboken, N. J., will be duly acknowledged and given to Mr. Heins, who has not been at all slow in putting his hand in his own pocket to help an unfortunate brother in times gone by.

West Hoboken, N. J. JOHN BIRNIE.

FIRES.

ORANGE, N. J.—Fire occurred in the greenhouses of Mr. J. Crosby Brown, the banker, on Friday night, December 14, completely destroying the rose and palm houses, to the value of $10,000. It is supposed that the blaze was caused by overheated pipes. The buildings were only partially insured.

FALL RIVER, MASS.—The greenhouse of Edward Fernley was badly damaged by fire on the morning of December 10.

A new mushroom has been discovered in Belle Isle Park, Detroit, and named by Professor Peck, Agaricus pusillus. The mushroom is small and edible, having the odor and taste of an almond. It appears only in October and November.

TOBACCO STEMS
"Good Strong Kind."
60 CTS. PER 100 LBS.
BALES WEIGH 500 LBS.
TOBACCO DUST
"THE BLACK STUFF."
Fine or Coarse to Your Order.
50 to 1000 lbs., 2 cents per pound.
H. A. STOOTHOFF,
110 WEST STREET, NEW YORK CITY.
Mention this paper.

CLASSIFIED ADVERTISEMENTS.

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent, also Second-hand Materials.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED.

STENOGRAPHER and typewriter—Expert, ten years' experience, desires situation. C. L., care Florists' Exchange.

YOUNG Man, experienced in making up, desires a position in retail establishment. New York or Brooklyn. C. T., care Florists' Exchange.

SITUATION wanted by young man as assistant; six years' experience; age 22. No objections to work with horse. State wages. C. V., care Florists' Exchange.

SITUATION wanted by all-round florist, age 29, single; speaks English and German; life experience in all branches of the business; good reference; please state wages. C. R., care of Florists' Exchange.

SITUATION wanted by A1 grower of roses, carnations, palms, ferns, and general stock; age 24, single, seven years' experience; New York State preferred. C. O., care Florists' Exchange.

GERMAN, 30, single, strictly sober, 16 years' experience, well up in cut flowers, Easter stock, bedding plants; good propagator; wants situation. C. N., care Florists' Exchange.

WANTED.—A steady position by a well-experienced man in the trade, private or commercial, to take charge or as first assistant; references at request; state wages and particulars. C. P., care Florists' Exchange.

SITUATION wanted for now or later by working foreman in commercial place, all-round man, German, 31 years of age, married, awarded several first prizes; can take full charge, good decorator. State particulars, wages, etc. Address A. Bieschke, 283 Classon Ave., Brooklyn, N. Y.

HELP WANTED.

WANTED at once, an experienced assistant for store work. When applying state wages, give age, married or single, and furnish reference. John Keck, Bridgeport, Conn.

PARTNER—Wanted a first-class Seedsman with $8 000 to $10,000, to buy a half interest in a first-class, well-established business. For particulars apply to C. D., care Florists' Exchange.

WANTED—Partner with $20,000, in established wholesale seed business in the South. Only concern of the kind in the State. Address for particulars, B. L., care Florists' Exchange.

WANTED—Florist, experienced in growing roses carnations, violets, chrysanthemums and bedding plants; state wages and references. A. E. Fancher, Binghamton, N. Y.

WANTED—Lady florist, with thorough knowledge of high-class floral work; must be Protestant and not over 30 years old. German or German-American ladies in good circumstance write at once. C. F., care Florists' Exchange.

WANTED—EXPERIENCED ROSE grower; section man. Address S. J. Reuter, Westerly, R. I.

WANTED—ASSISTANT WITH good general experience in the seed, bulb and plant trade. Full particulars, references and wages expected to C. K., care Florists' Exchange.

MISCELLANEOUS WANTS.

WANTED to lease, with the privilege of buying, a plant of 4,000 to 10,000 square feet of glass, suitable for roses and carnations. H. Roeskey, Flushing, N. Y.

WANTED to rent, place of from 5,000 to 10,000 feet of glass in good condition; vicinity New York City. Alfred H. Walker, Queens, N. Y.

WANTED to buy, on terms, good greenhouse property, 4,000 to 5,000 feet of glass, heated by hot water, suitable for retail trade. No other offers considered. State particulars. Boston vicinity or State of Massachusetts preferred. Address C. M., care Florists' Exchange.



New York.—On Monday night the following scores were made:

	1	2	3
L. C. Hafner	138	150	160
G. Von Asch	128	129	124
A. S. Burns	199	189	172
W. J. Elliott	213	167	138
F. H. Traendly	142	145	166
T. J. Lang	186	189	183
Moody	141	137	151
Carpenter	111	102	109

West Hoboken.—Scores made December 19 were as under:

	1	2	3	4
Dietz	107	85	110	—
Brown	180	156	120	152
M. Hansen	161	153	136	144
L. Hansen	166	170	138	146
J. Birnie	149	131	112	123
E. Tschupp	125	151	82	97
Baumann	154	112	107	132

St. Louis.—The following scores were made December 17, 1900:

	1	2	3	4
A. Y. Ellison	151	154	185	179
C. A. Kuehn	150	162	143	163
W. Adels	187	161	136	184
C. C. Sanders	143	116	148	116
Theo. Miller	71	87	120	111

MISCELLANEOUS WANTS.

WANTED—50,000 CALIFORNIA Privet cuttings, 8 ins. long. The Storrs & Harrison Co., Painesville, Ohio.

BUSINESS OPPORTUNITIES.

FOR SALE.—Florist's business and fixtures. 805 Vermont Avenue, opposite Arlington Hotel, Washington, D. C. Address C. W., care Florists' Exchange.

POTTERY FOR SALE—A SACRAFICE—at Westside Ave., N. J., three miles from New York on C.R.R. of N.J. Especially adapted to making flower pots. Good local market and shipping facilities. C. Robotham, 1069 Broad St., Newark, N. J.

MISCELLANEOUS.

FOR SALE—One H. P. upright tubular boiler. In use only three weeks; certificate from maker will accompany. Can be used for any kind of heating or power work; tested to 180 lbs. Price $100.00, delivered f. o. b. New York City. John A. Scollay, 74 & 76 Myrtle Ave., Brooklyn, N. Y.

LEGAL NOTICES.

A. T. DE LA MARE PRINTING AND PUBLISHING COMPANY, LIMITED.—The annual meeting of the stockholders of this Company will be held at the office of said Company, No. 2 to 8 Duane Street (Rh uelander Building), in the Borough of Manhattan, City of New York, on the tenth day of January, 1901, at 12 o'clock noon, for the election of a Board of Directors and two Inspectors.

J. H. GRIFFITH, Secretary. A. T. DE LA MARE, President.

A. T. DE LA MARE PRINTING AND PUBLISHING COMPANY, LIMITED.—By order of the Board of Directors the Transfer Books of the above Corporation will be closed on and after January 3, 1901, at 12 o'clock noon, to January 11, 1901, at 12 o'clock noon.

JOSEPH MAGILL, Treasurer. A. T. DE LA MARE, President.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.

Mention the Florists' Exchange when writing.

Chicago.

Christmas Prospects and Prices.

By the time this issue reaches our readers Christmas will once more be with us; and what will the story be? At this writing (Tuesday, December 18) everything looks favorable, but the weather is cloudy, rainy and not just the thing to advance crops. If the growers will only keep up the supplies from now on and not defer shipping till the last moment, they are going to get good prices for good stock and fair values for all. Shipping orders now, and booked, tell plainly that this part of the trade is right up to the mark.

Last week business was none too good and the returns apt to make shippers wary of sending in stock; but the present week opened better, and prices near to Christmas figures are obtained, with complaints of small shipments and a hustling to fill orders.

Price lists are reasonably uniform among the dealers, and as given out the figures are about as follows: American Beauty, extra long stemmed, per dozen, $12; 30-inch, $10; 24-inch, $8; 20-inch, $6; 15-inch, $4; 12-inch, $3; 8 inch, $2. Golden Gate, Liberty, per 100, $10 to $20; Meteor, Bride and Bridesmaid, $12 to $15; seconds and good, own selection, $8 to $10; Perle, $8 to $10.

Carnations, extra select fancies, $6 to $8; standards, $4 to $5; chrysanthemums, fancies, per dozen, $3; common, $1.50 to $2.

Violets, $1.50 to $3; valley, $4 to $5.

Paper Whites and Romans, $3 to $4; adiantum, 75c. to $1.25; smilax, select, $2 per dozen; ordinary, $1.25 to $1.50; asparagus strings, 50c. to 75c.; sprays, per bunch, 50c. to 75c.; A. Sprengeri, per dozen, 25c. to 50c.; poinsettias, extra, per dozen, $3 to $5; common to good, $2.50 to $4.

Holly, Bouquet Green, Etc.

Lycopodium, or bouquet green, is scarce enough to sell wholesale in this market at $10 to $12 per 100—an unprecedented price. W. W. Barnard & Co. got hold of a 60,000-pound lot quite unexpectedly.

J. C. Vaughan will handle eight or nine car loads alone. Southern holly, so far, is not much in evidence. Wild smilax is very fine, also in great demand.

Among berried goods, Ilex cassine is being used a good deal. This is a small-leaved evergreen native holly, from the South, and on account of its foliage takes better than the Winter berry (I. verticillata), which is hardly so good or as plentiful as last year. California contributes its pepper tree berries in greater quantity than heretofore. Mistletoe also is plentiful this season and very fine. There is a large shipping demand for all this class of goods, including, also, general florists' supplies.

Among Growers.

At Vaughan's greenhouses, Western Springs, ready for Christmas, is a fine lot of Begonia Gloire de Lorraine. We wanted to see the plants growing. Unfortunately, a day was selected when Mr. Wilson was on a visit to the Chicago Carnation Co., at Joliet, but his new assistant, Mr. Jacobson, did the honors. As usual, this establishment is in the best of order. A house of stock zonal geraniums, in choice varieties, planted out in benches for cuttings, are in very fine shape. This benching is common here, including chrysanthemums. The new lemon, American Wonder, that fruits readily in a small-sized plant, is a special feature this year.

There are some nice pans of poinsettias, with fine heads, and less than a foot high, a mass of scarlet. These are more acceptable to retail florists than the leggy plants so often grown.

But the Begonia Gloire de Lorraine is the great feature here this year, and for the first time it is of home growth. The plants in 6 and 8 inch pans are a grand sight; none the less so is a large number of plants in 4-inch pots. They come high, $7.50 per dozen, wholesale; pans, $2.50 each; but the word "sold" is already marked on most of the stock. This is certainly a great plant, equally ready to flower in the smallest thumb pot or any size pot one wants to grow it in. There is here another variety called compacta, but it is not liked as well as the Lorraine.

Several ranges of pits, to be heated by steam, are being finished, and the huge packing shed and office have been rebuilt. Electric lights are installed and every convenience afforded for expediting work, day or night, when nec

Round About.

The Chicago Carnation Co. sent in to Deamud some fine flowers of their new big four carnations—Sunbeam, bright flesh pink; Bon Homme Richard, a beautifully formed white; Nydia, salmon, variegated stripe on white ground; and Prollfica, cerise pink. From another grower a red sport of Tidal Wave, much deeper in color than Evanston, sold last week at $3 per 100.

George M. Garland has built a foundry at Des Plaines expressly for casting his iron gutters.

Fred Ewert is now with A. H. Poehlmann, and Charles S. Stewart is buyer for John C. Schubert at 163 Wabash Avenue.

Fred Bahr has still 1,000 very good late chrysanthemums to send in this week and next. The varieties are white and yellow Mrs. Jerome Jones. They go to McKellar & Winterson.

Nathan Smith & Son, Adrian, Mich., are still sending lots of chrysanthemums to Deamud, the pink late variety Superba being very conspicuous.

Peter Reinberg will have a big cut of American Beauty roses from his range of new houses—the biggest Christmas cut he has ever had.

E. C. Amling has good reports from his Indiana shippers.

Wietor Bros.' crops are in fine shape, especially Meteor roses.

Kennicott Bros. Co. are to have Papa Gontier rose from Klehm's nursery.

ESS.

Montreal.

Trade Report.

As usual just before Christmas, trade has been a bit dull. A good deal of general work, however, has prevented any stagnation. The weather has cooled off considerably, and now night temperatures are anywhere from zero to 20 below. Unfortunately, the cold only brought clear nights; the days are nearly as dark as ever.

At present all indications point to a short supply of flowers at Christmas, and of lower than average quality. Plants show every indication of being as popular as ever, and the supply will be good. True, the growers are having their hands full trying to get such things as azaleas in in time, but the probability is that this popular plant will be seen in larger numbers than in former years. Poinsettias are good in quality; so are primulas and cyclamen. All the local men are carrying full supplies of palms, rubbers and ferns.

Chrysanthemum show prize money was paid at the club this week, or at least the 55 per cent. left over after all other accounts were settled.

B.

Madison, N. J.

The regular meeting of Morris County Gardeners and Florists was held in Masonic Hall on Wednesday, December 12, President Duckham in the chair. A communication was read from F. G. Leaverenz on behalf of the Galveston florists thanking the society for its noble efforts in their behalf, which had resulted in adding over $100 to the relief fund, this substantial help being gratefully appreciated by all the sufferers.

All matters pertaining to the recent show were reported settled, and the treasurer announced a slight increase over last year in the proceeds of the show.

Election of officers resulted in President Duckham, Secretary Atkins and Treasurer Charlton being unanimously re-elected to their respective offices, while J. Davies, of Morristown, fills the vice-presidential chair for the next year. With memories still fresh in mind of the enjoyable "smoker" instead of a dinner given last January, it was voted to have a similar entertainment at the regular meeting of January 9 next, and numerous invitations were ordered to be sent.

President Duckham, thanking the members for their renewed assurance of appreciation of his efforts, bespoke the hearty coöperation of members to make the coming year even more fruitful of good results than the past had been. He also gave an interesting talk on things seen during his recent European trip. He found the chrysanthemum still as popular as ever on the other side, and the best he saw certainly fully equaled the best produced here, while in regard to variety they had a much longer list of really first-rate kinds than we had, and not a few that he thought worthy of introduction and a trial here. The new plants at Sanders' St. Albans nursery and pot fruit trees at Rivers' Sawbridgeworth nursery were also highly praised.

A. H.

Our Introductions of New Carnations for 1901

...THE BIG FOUR...

SUNBEAM Extra bright flesh pink, early, free and continuous bloomer. Flowers of good form and size, borne on long stiff stems. $1.50 per doz., $10.00 per 100, $75.00 per 1000.

BON HOMME RICHARD White. Extraordinarily free bloomer; fine form, good size. Stems 2½ to 3 feet long. $1.50 per doz., $10 00 per 100, $75.00 per 1000.

NYDIA Variegated. Salmon stripe on white ground. Quick seller, extremely free bloomer, fine form and stiff stem. $1.50 per doz., $10.00 per 100, $75.00 per 1000.

PROLIFICA Cerise pink. Very long stiff stems, large flowers, and as its name indicates, an extra free bloomer. $1.50 per doz., $10.00 per 100, $75.00 per 1000.

First lot of the above varieties ready February first.
Rooted Cuttings of standard varieties ready January first.

WRITE FOR DESCRIPTIVE CATALOGUE.

CHICAGO CARNATION CO., Joliet, Ill.

Mention the Florists' Exchange when writing.

...OTHER VARIETIES...

	Per 100	Per 1000
Mrs. Thos. W. Lawson, cerise pink	$7.00	$60.00
Olympia, variegated	5.00	40.00
Marquis, pink	5.00	40.00
Genevieve Lord, pink	5.00	40.00
Ethel Crocker, pink	4.00	35.00
Morning Glory, light pink	4.00	35.00
Mrs. Geo. M. Bradt, variegated	3.00	25.00
G. H. Crane, scarlet	3.00	25.00
Chicago, scarlet	3.00	25.00
America, scarlet	3.00	25.00
Gold Nugget, yellow	3.00	25.00
Gen. Maceo, crimson	2.00	15.00
Gen. Gomez, "	2.00	15.00
White Cloud, white	2.00	15.00
Mrs. Frances Joost, pink	2.00	15.00
Mrs. Jas. Dean, pink	2.00	15.00
Jubilee, scarlet	2.00	15.00
John Young, white	1.50	12.00
Flora Hill, white	1.50	12.00
Argyle, cerise pink	1.50	12.00
Daybreak, light pink	1.50	12.00
William Scott, pink	1.00	8.00
Evelina, white	1.00	8.00
Armazindy, variegated	1.00	8.00

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000
IRENE.. 75 cts. per doz.;	$10 00	$75.00
MRS. LAWSON	6.00	.....
ETHEL CROCKER	6.00	.....
MARQUIS	5.00	.....
GENEVIEVE LORD	5.00	.....
G. H. CRANE	3.00	25.00
MRS. GEO. M. BRADT	2.50	20.00
EVANSTON	2.00	17.50
WHITE CLOUD	1.50	12.50
FLORA HILL	....	.....
DAYBREAK	....	.....
TRIUMPH	....	.....
JOOST	....	.....
ARMAZINDY	....	.....
TIDAL WAVE	....	.....
WM. SCOTT	1.00	8.00

ROSES.

KAISERIN	1 50	12.50
LA FRANCE	....	.....
METEOR	....	.....
PERLE	....	.....
BRIDESMAID	....	.....
BRIDE	....	.....
GOLDEN GATE	2.50	20.00

GEORGE REINBERG,
51 Wabash Ave., CHICAGO.

Mention the Florists' Exchange when writing.

CARNATION PLANTS ALL SOLD.

Ready to book your orders for rooted cuttings of all the leading varieties for **Spring delivery.** Let me quote you prices before placing your orders.

WM. MURPHY, Wholesale Carnation Grower,
Sta. F., CINCINNATI, Ohio.

Mention the Florists' Exchange when writing.

THE LARGEST FANCY CARNATION. READY MARCH 1st.

PROSPERITY

All Orders Filled in Strict Rotation.

PRICES FOR ROOTED CUTTINGS.

1 Plant	$0 50	50 Plants	$10 00	500 Plants	$70 00
12 Plants	5 00	100 "	16 00	750 "	101 25
25 "	8 25	250 "	37 50	1000 "	130 00

WRITE FOR FULL DESCRIPTION.

DAILLEDOUZE BROS., - Flatbush, N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS

F. DORNER & SONS CO., La Fayette, Ind.

LOOK! LOOK!!

15% Discount, booking orders of

CARNATION CUTTINGS

For price and kinds, see our ad. on page 1214, last issue.

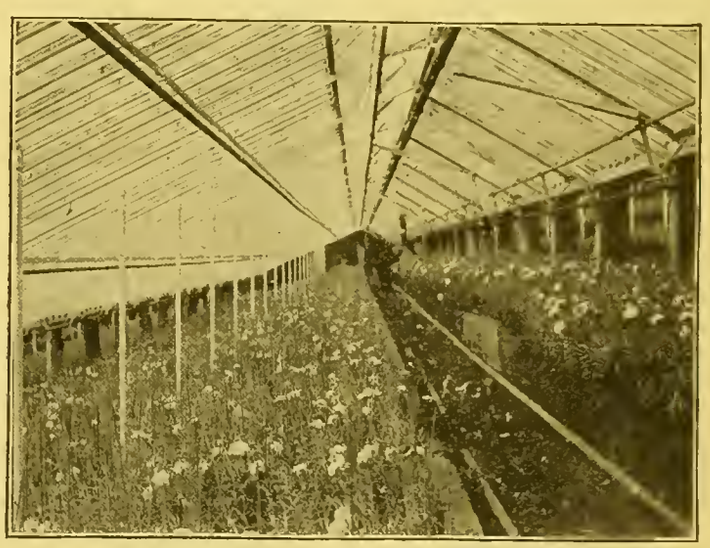
DANA R. HERRON, Olean, N. Y.

Mention the Florists' Exchange when writing.

QUEEN LOUISE CARNATION.

This New Carnation produces the finest flowers, is perfectly healthy, and is the best white variety ever introduced.

IT BLOOMS EARLY. IT BLOOMS LATE. IT BLOOMS ALL THE TIME.



From photograph of Queen Louise taken October 29th, 1900.
For other cuts see last two papers.

Our price list contains cuts from photographs taken every two weeks during the months of February, March, April, May, June, October and November.

No other Carnation can stand such a test.

Rooted Cuttings ready Feb. 15th. Price, $10.00 per 100; $75.00 per 1000.

Come and see it or send for circular.

J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

NO EXPERTS NEEDED TO GROW THESE TWO TO PERFECTION.

NEW CARNATIONS

ADMIRAL CERVERA

A yellow and red striped, large flower, with fine stem; splendid grower and fine bloomer; beautiful keeper and splendid shipper.

GOETHE

A lovely light pink (in place of Daybreak), very large, fragrant flower, easy to grow and an early and continuous bloomer; will easily lead in its class. A splendid seller over the commission or retail counters.

Both of these varieties are in perfect health, and as they are two distinct colors you will need, you will make no mistake in trying them. Come and see them; it will pay you. Cuttings will be delivered as soon as ready.

$2.00 per doz.; $10.00 per 100; $47.50 per 500; $90.00 per 1000. **C. BESOLD, Mineola, L. I., N. Y.**

Mention the Florists' Exchange when writing.

100,000 R. C. CARNATIONS

Ready to Ship.

	Per 100	Per 1000
A. Mitting, light cream, 4 in. bloom, 1901	$10 00	
Mrs. A. Mitting, clear pink, fine, 3½ in. bloom, 1901	10 00	
De Roo Mitting, a fine white, 3 in. bloom, 1901	10 00	$75 00
Mrs. Thos. W. Lawson	7 00	60 00
Olympia	5 00	40 00
Genevieve Lord	4 00	35 00
E. Crocker	4 00	35 00
Morning Glory, the coming Daybreak	4 00	35 00
Mrs. G. M. Bradt	3 00	25 00
G. H. Crane	3 00	25 00
America	3 00	25 00
Gold Nugget	3 00	25 00
Geo. Maceo	2 50	20 00
Gen. Gomez	2 00	15 00
White Cloud	1 50	12 00
Peru	3 00	25 00
Mrs. F. Joost	2 00	15 00
Flora Hill	1 50	12 00
Argyle	1 50	12 00
Daybreak	1 50	12 00
Wm. Scott	1 25	10 00
Armazindy	1 25	10 00

25 cuttings at 100 rates; 250 at 1000 rates. Cash or C. O. D.

THE MORRIS FLORAL CO., Morris, Ill.

Mention the Florists' Exchange when writing.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing.

THE MAN WAS RIGHT

When he said **ETHEL CROCKER**

is absolutely the best Pink Carnation ever offered to the trade; those that are growing it are more than satisfied; every Florist should grow it next year. Fine healthy Rooted Cuttings, now ready, $4 00 per 100; $30.00 per 1000. Cash with Order.

W. W. COLES, - KOKOMO, IND.

Mention the Florists' Exchange when writing.

500,000 VERBENAS

60 finest named varieties, including our new
MAMMOTH WHITE Mrs. McKINLEY
The finest white Verbena grown.
Perfectly healthy. Free from rust.
Rooted cutting, 60 cts. per 100; $5.00 per 1000.
Plants, $2 50 per 100; $20.00 per 1000.
Our list is the choice from millions of seedlings.
Send for Circular.

J. L. DILLON, Bloomsburg, Pa.
Mention the Florists' Exchange when writing.

DON'T GET LEFT

On GERANIUMS

As they are going fast at $3 00 per 100; $25.00 per 1000, in 2½ in pots, and in one condition, ready for shifting in 3 or 4 in., comprising all the leading varieties and to name, S. A Nutt, Francis Perkins, Le Favorite, E G Hill, Beaute Poitevine, Mrs. Pilzer, Ruy Blase, Double Grant, and several other varieties.

AGERATUMS 2 in. pots, $1.00 per 100; rooted cuttings, 50 cts. per 100.

FUCHSIAS Rooted cuttings, $1.00 per 100.

HELIOTROPE Rooted cuttings, $1.00 per 100.

COLEUS 2½ in. pots, $1.50 per 100; rooted cuttings, 50 cts. per 100.

CASH MUST ACCOMPANY THE ORDER.

J. E. FELTHOUSEN, Schenectady, N.Y.
Mention the Florists' Exchange when writing.

MADAM SALLEROI

Geraniums, rooted cuttings, $1.25 per 100, $10.00 per 1000. **Rose Geraniums**, $1.25 per 100.
Pelargonium Victor, $2.00 per 100.
Abutilons, Sevitzii, trailing, and five others, $1.50 per 100.
Weeping Lantanas, $1.25 per 100.
Ageratums, Louise Boonet, Princess Pauline, Cope's Pet, White Cap. 50 cts. per 100.
Ageratum, Stella Gurney, $2 00 per 100.
Sweet Alyssum, 50 cts per 100.
Feverfew, Little Gem, $1 00 per 100.
Cuphea, Cigar Plant and Tricolor, 75 cts. per 100.
Double Petunias, 30 vars., 2 in pots, $2.00 per 100.
Manettia Bicolor, 2 in. pots, $2.00 per 100.
Lantanas, 8 vars, 2 in. pots $2.00 per 100.
Heliotropes, 12 vars., 2 in. pots, $2.00 per 100.
Vinca Variegated, $1 00 per 100.
Salvia Silverspot, $2.00 per 100.
Heliotropes, 12 var., $1.00 per 100.

If by mail add 10 cts. per 100. Cash with order.

C. A. HARRIS & CO., Delanson, N. Y.
Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

By Mail. Per 100

Double Fringed Petunias, 50 varieties, Dreer's, Henderson's and Giant of California.. $1 25
Petunia Grandiflora, single..... 1 25
Strobilanthes Dyerianus..... 1 25
Ageratum, Princess Pauline, Blue Perfection and Blanche 75
Cuphea (Segar Plants) 75
Fuchsias, 20 varieties 1 25
Ivy Geraniums, 12 varieties..... 1 50
Gazania Splendens..... 1 50
Abutilons, 4 varieties..... 1 50
Heliotropes, 18 varieties, transplanted into soil and sure to grow..... 1 00

Cyclamen Giganteum

4 colors, 4 inch pots, $9.00 per 100; 5 inch pots, $5.00 per 100. Choicest strain, finely marbled, well set and in splendid condition.

Mare Geranium, 3 inch, $3 00 per 100.
Cyperus Alternifolius, 3 in., fine, 5 to 8 stems, $5.00 per 100.

Not less than 5 of a variety in rooted cuttings. Cash with order, please.

GEORGE J. HUGHES, Berlin, N. J.
Mention the Florists' Exchange when writing.

VERBENAS

UNEQUALLED VARIETIES, VIGOROUS STOCK.

	100	1000
Best Mammoths, strong pot plants	$3.00	$25 00
" " rooted cuttings	1.00	8.00
Older " "	.75	6.00
" " strong pot plants	2.50	20.00

ROOTED GERANIUMS CUTTINGS

Double and Single, and Ivy Leaf Varieties.
Fine collection ..... $2 00 per 100; $15 00 per 1000.
Strong pot plants..... 3.00 " 25.00 "

CYCLAMEN GIGANTEUM

From 3 inch pots in bud ..... 15 00 per 100.
" 3½ " " " " ..... 10.00 "

MISCELLANEOUS.

	100	1000
Ageratum, Cope's Pet and White Cap...	$1.00	$8 00
" P Pauline and Stella Gurney..	1.25	10.00
Coleus, best bedding and fancy sorts....	1.00	8.00
Cuphea, Platycentera	1.25	10.00
Fuchsia, double and single.....	2 00	15 00
Feverfew	1.50	12 00
Heliotrope, light and dark.....	1.25	10.00
Impatiens Sultani	2 00	
Ivy, German	1.50	
Moon Vines, true white	2 00	15.00
Salvias, Splendens, Bedman, etc.....	1 25	10.00
Smilax, strong plants.....	2.50	20 00

WOOD BROS., Fishkill, N. Y.
Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS...
and Novelties in Decorative Plants.
Market and 49th Sts., PHILADELPHIA, PA.
Mention the Florists' Exchange when writing

CINERARIAS

From Benary, Cannell and Sutton's prize show flowers saved, dwarf and semi-dwarf, giant flowered, finest colors and shades; 2¼-in., $2.50 per 100. Cash with order, please.

Shellroad Greenhouses, Grangs P. O., Balto., Md.
Mention the Florists' Exchange when writing.

GERANIUMS

Rooted cuttings of different colors, $1.50 per 100; $12.00 per 1000.

Vinca Maj. fol. variety, $4.00 to $6.00 per 100.

WILLIAM STUPPE, - Englewood, N. J.
Mention the Florists' Exchange when writing.

AGERATUM

"STELLA GURNEY"

As necessary to your bedding stock as Coleus or Geraniums. Dwarf in growth, true blue and always in bloom.

Strong pot plants at 75 cts. per doz.; $5.00 per 100.

ALBERT M. HERR, Lancaster, Pa.
Mention the Florists' Exchange when writing.

GERANIUM "AMERICA"

A QUEEN AMONG GERANIUMS.

Color, from purest white to deepest rose **Dwarfness, just right; Floriferousness, astonishing.** Strong plants, $8 00 per 100; 25 at 100 rate,

READY NOW.

HENRY EICHHOLZ, Waynesboro, Pa.
Mention the Florists' Exchange when writing.

GERANIUMS

ALL STOCK REPLANTED, FINE, STRONG.

Best popular double and semi-double bedders; 5 varieties Scarlet; 5 Salmon Pink; 4 Dark Crimson; 3 Pink; 2 White, and many other choice vars., $18 a 1000.

COLEUS per 100, Red, Yellow and 8 other distinct colors, 75c.; fancy, 60c.; grandest bright giants, $1.25.

5 best blue **Heliotropes**, $1.40 per 100
Remit with order to ship. List of stock free.

DANIEL K. HERR, Lancaster, Pa
Mention the Florists' Exchange when writing.

ADOLPH C. FEHR,
Florist and Seedsman,

ROSES, CARNATIONS, SMILAX, CHRYSANTHEMUMS, Etc.

220 East Main St. Greenhouses. Carlyle Road.
BELLEVILLE, ILL.
Mention the Florists' Exchange when writing.

SMILAX Long and Thick Strings, 20c. per String.

HELIOTROPE 2½ inch pots $1.50 per 100.

CASH WITH ORDER.

CARL E. TAUBE, Trenton, N. J.
Mention the Florists' Exchange when writing.

PRIMROSES

1000 Chinese, mixed, 2 in. pots, $1.00 per 100.
ASPARAGUS SPRENGERI, $2.00 per 100.
ALTERNANTHERAS, red and yellow, Feb. [illegible] $2 00 per 100.
GERANIUMS, my selection, $3.00 per 100.
Wanted 10,000 seed Asparagus Plumosus Nanus. Cash.

JOS. H. CUNNINGHAM, Delaware, Ohio.
Mention the Florists' Exchange when writing.

GERANIUMS

Rooted Cuttings sold out.

A few thousand of QUEEN OF WEST, extra strong, left; second lot will be ready first of February.

Send for Price List.

PETER BROWN, - Lancaster, Pa.
Mention the Florists' Exchange when writing.

IF YOU NEED ROSES
Send us your list for prices.
THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers.
Mention the Florists' Exchange when writing

ROSE PLANTS

In varieties, from 2½, 3 and 4 inch pots.

	Write for prices. 100
Lemon Verbena, 3 in. pots.....	$4 00
Sansevieria Zeylanica, 3 in. pots	5.00
Asparagus Plumosus, 2½ in. pots.....	5 00
Asparagus Sprengeri, 2½ in. pots	4 00
Nephrolepis Cordata Compacta, 2½ in..	3.00
N. Cordata Compacta, 3 in. pans...per doz.,	6.00
Field-Grown, Scotch Hardy Pinks, at $3.50 per 100; $30.00 per 1000. 8 varieties.	

THE NATIONAL PLANT CO., Dayton, Ohio
Mention the Florists' Exchange when writing

ROSES For Spring Blooming.

The proper sorts. Clothilde Soupert, Gen. Jacqueminot, La France, Coquette des Blanches, Coquette des Alps, etc, fine 1 and 2 year field-grown plants that have never been forced, suitable for 5 inch pots, at 5c. Some extra strong, suitable for 8 and 8 in. pots, at 9c.

Large-Flowered Clematis, for forcing. Purple-White and Lavender sorts, from 5 inch pots, 18c.

Clematis Paniculata, fine 3 year plants, 10c.; fine 2 year, at 8c. Packing free for Cash. Also some sound second-head 3 and 4 inch **Pipe** to offer, cheap.

W. H. SALTER, Rochester, N. Y.
Mention the Florists' Exchange when writing.

Crimson Rambler and Vinca Major Var.

Field grown Crimson Rambler, 2 yr., with lots of fibrous roots, 3½ to 4 ft., $1 50 per doz.; 50 for $8.00.

Extra strong Vinca Major variegated, $6 00 per 100; 200 for $10.00, with several shoots, fit for 5 and 6 in. pots.

Spiræa Anthony Waterer, for Easter, 2 yr., at $1.00 per doz; **D. Gracilis**, 2 yr., same price.

Mayflower and Lorrilard Tomato, plants for forcing, $2 00 per 100. Cash, please.

BENJ. CONNELL, Florist, West Grove, Pa.

ROSES

Strong field-grown plants of **White** and **Pink Maman Cochet**, at $10.00 per 100. The finest roses ever introduced for summer blooming.

HARDY ENGLISH IVY

Strong plants, grown in 4 in. pots, 3 to 4 feet long, $10.00 per 100

I. H. MOSS,
GOVANSTOWN, - BALTIMORE, MD.
Mention the Florists' Exchange when writing

SURPLUS STOCK === MUST HAVE ROOM

THIS OFFER FOR ONE WEEK ONLY.

	Per 100
Baby Primrose, in flats	$2.00
" " 2 inch	3.00
" " 2½ inch	4 00
Vinca Variegata, 2½ inch.....	2.50
" " 3 inch.	4 00
Vinca Variegata, 3½ inch.....	$8.00
" " 4 inch.....	10.00
" " 5 inch	15.00
" rooted cuttings, $10.00 per 1000..	1.25

WILL EXCHANGE for Elm City and Phenomenal Fuchsia Stock Plants.

Send for List and Prices of Plants and Cuttings. **TERMS CASH or C. O. D.**

GREENE & UNDERHILL, Watertown, N. Y.
Mention the Florists' Exchange when writing

CRIMSON RAMBLER ROSES

These roses have fibrous roots and are particularly well adapted for potting and forcing. They are giving great satisfaction. Send us a small order. You will want more. We offer them in two sizes: 3 to 3½ feet, at **12 cts.**; 3½ to 5 feet, at **15 cts.**

NEW CANNAS

Write for descriptive circular of our set of 9 new
AMERICAN PEDIGREE CANNAS
Including the Hybrid Orchid flowering Canna **PENNSYLVANIA**, a free bloomer, with bright scarlet flowers.

THE CONARD & JONES CO., West Grove, Pa.
Mention the Florists' Exchange when writing

ROSES STRONG, TWO-YEAR, FIELD-GROWN.

CRIMSON RAMBLER, extra strong, $12.00 per 100. **HYBRID PERPETUAL**, in fine assortment, $10.00 per 100; $90.00 per 1000; second size, $8.00 per 100; $65.00 per 1000; these are well-rooted, good stock, but not quite heavy enough to go in first grade.

AZALEAS

Stock in excellent shape, well set with buds.

10 to 12 inch crowns.....	$35.00 per 100
12 to 14 inch crowns.....	45.00 "

SPIRÆAS

Japonica.....	$3 00 per 100
Astilboides Floribunds.....	4 00 "
Nana Compacta.....	5.00 "

PALMS

Kentia Belmoreana

2½ inch pots.....$8.00 per 100;	$75.00 per 1000
3 inch pots, 4 and 5 leaves	$15.00 per 100
4 inch pots, 14 to 16 inches high....	30.00 "
5 inch pots, 18 inches high.....	60.00 "
5 and 6 in. pots 18 to 22 in high ..	75.00 "

Areca Lutescens

2½ inch pots.....$6 00 per 100;	$50 00 per 1000

PALMS

Kentia Forsteriana

2½ inch pots.....	$10.00 per 100
3 inch pots, 12 inches high.....	15 00 "
4 inch pots, 15 to 18 inches high...	35.00 "
5 inch pots, 18 to 22 inches high...	50.00 "
5 and 6 in. pots, 24 to 28 in. high...	75.00 "

ASPARAGUS

Plumosus Nanus, 2½ inch pots.....	$5.00 per 100
3 inch pots.....	6.00 "
4 inch pots.....	12.00 "
Sprengeri, 2½ inch pots.....	3.00 "
3 inch pots	5.00 "
4 inch pots.....	8.00 "

BOSTON FERNS

Strong, 2 in. pots, $3.00 per 100; $25.00 per 1000

THE STORRS & HARRISON CO. PAINESVILLE, OHIO.

Mentio[illegible] Florists' Exchange when writing.

J. K. ALLEN,
Wholesale Commission Dealer in
CUT FLOWERS
106 W. 28th Street, New York.
Orders by mail or telegraph promptly attended to. Telephone, 167 Madison Square.
Fine ROSES and CARNATIONS, Specialties.

HEADQUARTERS FOR NOVELTIES
Beauties, Meteors, Brides and Bridesmaids are the leaders.
THE HIGHEST GRADE OF VALLEY ALWAYS ON HAND
ORCHIDS A SPECIALTY.
JAMES McMANUS, Telephone, 759 Madison Square. 50 W. 30th St., NEW YORK

FRANK MILLANG,
Wholesale Commission Dealer in
CUT FLOWERS
408 E. 34th St., NEW YORK CITY.
Cut Flower Exchange.
Telephone Call, 209 Madison Square.

YOUNG & NUGENT, WHOLESALE FLORISTS
42 West 28th Street, New York.
SUPERB ORCHIDS, VIOLETS and VALLEY.
Choice Roses and Carnations, all leading varieties, also rare novelties.
SHIPPING A SPECIALTY. PRICE LIST ON APPLICATION.
Telephone 2065 Madison Square.

BROOKLYN FLORISTS WANT BEST FLOWERS.
They Buy Stock from A. H. LANGJAHR, Wholesale and Commission Florist. Telephone 939 Main,
19 BOERUM PLACE, BROOKLYN, N. Y.
Consignments Wanted, Especially Good Roses.

Growers Attention! "Always Ready to Receive Fine Stock."
WILLIAM H GUNTHER,
30 WEST 29th SRTEET, - - NEW YORK.
VIOLETS. ROSES. CARNATIONS. ORCHIDS.
ESTABLISHED 1888.

Strict Attention to Business
FOR CHRISTMAS TRADE
CONSIGNMENTS SOLICITED
I WILL HAVE A SELECT LINE OF
Beauties, Brides, 'Maids, Violets, Valley, Carnations, Chrysanthemums, Lilies and all Bulbous Flowers.
It will be well worth your while to inspect these Flowers before placing orders.
J. K. ALLEN,
Wholesale Commission Dealer
Telephone 167 Madison Square
106 West 28th St., NEW YORK
ALWAYS ROOM FOR GOOD STOCK
Mention the Florists' Exchange when writing.

ROSES VIOLETS
BLAUVELT BROTHERS
Wholesale Florists
49 West 29th St. New York
Telephone, 1309 Madison Square. Consignments Solicited.
SWEET PEAS CARNATIONS

Established 1891.
'Phone 1239 Madison Square.
G. E. BRADSHAW,
Wholesale Commission Florist,
Choice Cut Flowers,
53 WEST 28th STREET, - NEW YORK.
Bet. B'way and 6th Ave.

CUT FLOWER EXCHANGE
404-412 E. 34th St., N. Y., near Ferry.
Open every Morning at 6 o'clock for the Sale of Cut Flowers.
This is not a commission house; the market consists of individual stands.
Wall Space for Advertising Purposes to Rent.
J. DONALDSON, SECRETARY.

ROSES CARNATIONS VIOLETS
Write for Christmas Prices.
ALEX J. GUTTMAN, Wholesale Florist,
52 W. 29th St., NEW YORK.
Consignments of First-Class Stock Solicited. Telephone, 1738 Madison Square.

MICHAEL A. HART
Wholesale Florist,
44 W. 29th Street, NEW YORK.
Specialties—All kinds of
ROSES, VIOLETS AND CARNATIONS.
Tel., 325 Madison Sq. Consignors Solicited.

HICKS & CRAWBUCK,
Wholesale Commission Florists,
108 Livingston St., BROOKLYN, N.Y.
Specialties: Best Beauties, Bride, 'Maids and Meteors.
Telephone 1725 MAIN.
Mention the Florists' Exchange when writing.

W. GHORMLEY,
WHOLESALE COMMISSION FLORIST,
SPECIAL ATTENTION GIVEN TO SHIPPING ORDERS.
Consignments of Novelties and all Seasonable Flowers Solicited, and Returns Made Weekly,
57 West 28th Street, Telephone 2200 Madison Sq. NEW YORK.

Wholesale Prices of Cut Flowers, New York, December 21, 1900.

Prices quoted are by the hundred unless otherwise noted.

Roses	A. Beauty, fancy—special	50.00 to 60.00
	" extra	35.00 to 40.00
	" No. 1	15.00 to 30.00
	" Culls & ordinary	6.00 to 10.00
	Bride, 'Maid, fancy—spc'l	10.00 to 12.00
	" extra	6.00 to 8.00
	" No. 1	4.00 to 5.00
	" No. 2	2.00 to 4.00
	K. A. Victoria	3.00 to 10.00
	La France	..... to .....
	Liberty	4.00 to 25.00
	Meteor	2.00 to 10.00
	Papa Gontier	..... to .....
	Perle	2.00 to 5.00
Adiantum		.50 to .75
Asparagus		25.00 to 35.00
Callas		8.00 to 10.00
Chrysanthemums		..... to .....
	" fancy	..... to .....
Daisies		.50 to .75
Lilies		15.00 to 25.00

Carnations	Inf'r grades, all colors	1.00 to 1.50
	Standard Varieties White	2.00 to 3.00
	Pink	2.00 to 3.00
	Red	3.00 to 4.00
	Yel. & Var.	3.00 to 4.00
	*Fancy— (*The highest grades of standard var.) White	5.00 to 6.00
	Pink	5.00 to 6.00
	Red	5.00 to 6.00
	Yel. & Var.	5.00 to 8.00
	Novelties	6.00 to 15.00
Lily of the Valley		3.00 to 4.00
Mignonette—ordinary		2.00 to 4.00
" fancy		6.00 to 8.00
Narcissus Paper White		1.50 to 2.00
Orchids—		
Cattleyas		40.00 to 60.00
Cypripediums		..... to 12.00
Dendrobium formosum		15.00 to 25.00
Roman Hyacinths		1.50 to 2.00
Smilax		8.00 to 10.00
Violets—ordinary		.75 to 1.00
" fancy		1.50 to 2.50

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N. F. McCarthy & Co.
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Wholesale Prices of Cut Flowers—Per 100

Names and Varieties	Boston Dec. 13 1900	Philadelphia Dec. 21, 1900	Baltimore Dec. 18, 1900	Buffalo Dec. 20, 1900	Toronto Dec. 13, 1900
A. BEAUTY, fancy—special	40.00 to 50.00	125.00 to 135.00	... to ...	100.00 to 150.00	50.00 to 75.00
Roses: extra	25 00 to 35.00	.... to 100.00	35.00 to 40.00	50.00 to 75.00	30.00 to 40.00
Roses: No. 1	10.00 to 20.00	.... to 75.00	15.00 to 30.00	25.00 to 85.00	20.00 to 30.00
Roses: Culls & ordinary	4.00 to 8.00	.... to 50.00	8.00 to 16.00	.... to	.... to ....
Roses: Bride, Maid, fancy—spc'l	14.00 to 16.00	.... to 20.00	.... to	.... to	.... to 20.00
Roses: Bride, Maid, extra	10.00 to 12.50	.... to 15.00	.... to	15.00 to 20.00	.... to ....
Roses: Bride, Maid, No. 1	5.00 to 8.00	.... to 12.00	6.00 to 8.00	10.00 to 12.00	10.00 to 15.00
Roses: Bride, Maid, No. 2	2.00 to 5.00	.... to 8.00	4.00 to 5.00	.... to	2.00 to 10.00
Roses: K. A. Victoria	4.00 to 12.50	8.00 to 20.00	4.00 to 6.00	12.00 to 20.00	.... to ....
Roses: La France	.... to ...	.... to	4.00 to 6.00	.... to	.... to ....
Roses: Liberty	2.00 to 8.00	20.00 to 40.00	5.00 to 8.00	.... to	10.00 to 15.00
Roses: Meteor	2.00 to 8.00	.... to	4.00 to 6.00	10.00 to 20.00	3.00 to 15.00
Roses: Papa Gontier	.... to	.... to	3.00 to 4.00	.... to	.... to ....
Roses: Perle	4.00 to 6.00	12.00 to 15.00	4.00 to 5.00	6.00 to 10.00	2.00 to 10.00
ORCHIDS—Cattleyas	.... to	.... to	.... to	.... to	35.00 to 40.00
Cypripediums	.... to	.... to	.... to	.... to	.... to 15.00
Dendrobium formosum	.... to	.... to	.... to	.... to	.... to ....
Carnations: Inf'r grades, all colors	1.50 to 2.00	.... to	.75 to 1.25	1.50 to 2.00	.... to 3.00
Carnations: STANDARD VARIETIES White	.... to 2.00	4.00 to 5.00	1.50 to 2.00	3.00 to 5.00	3.00 to 5.00
Carnations: STANDARD VARIETIES Pink	.... to 2.00	4.00 to 5.00	1.50 to 2.00	3.00 to 5.00	3.00 to 5.00
Carnations: STANDARD VARIETIES Red	.... to 2.00	4.00 to 5.00	1.50 to 2.00	3.00 to 5.00	3.00 to 5.00
Carnations: STANDARD VARIETIES Yel.&Var.	.... to 2.00	4.00 to 5.00	1.50 to 2.00	.... to	3.00 to 5.00
Carnations: *FANCY— White	.... to 2.50	6.00 to 8.00	2.50 to 4.00	5.00 to 8.00	.... to 6.00
Carnations: *FANCY— Pink	.... to 2.50	6.00 to 8.00	2.50 to 4.00	5.00 to 8.00	.... to 6.00
Carnations: *FANCY— Red	.... to 2.50	6.00 to 8.00	2.50 to 4.00	5.00 to 8.00	.... to 6.00
Carnations: *FANCY— Yel.&Var.	.... to 2.50	6.00 to 8.00	2.50 to 4.00	.... to	.... to 6.00
Carnations: NOVELTIES	3.00 to 4.00	.... to	.... to	.... to	.... to 6.00
ADIANTUM	.75 to 1.00	.... to 1.00	.... to 1.00	1.00 to 1.50	.50 to .75
ASPARAGUS	35.00 to 50.00	25.00 to 50.00	25.00 to 75.00	50.00 to 75.00	30.00 to 50.00
CALLAS	.... to	.... to	6.00 to 10.00	12.00 to 20.00	10.00 to 15.00
CHRYSANTHEMUMS	6.00 to 12.50	.... to	3.00 to 8.00	.... to	4.00 to ....
CHRYSANTHEMUMS Fancy	12.50 to 16.00	.... to	10.00 to 20.00	.... to	.... to 25.00
DAISIES	.... to	.... to	.... to	.... to	.... to ....
LILIES	8.00 to 12.50	.... to	.... to	.... to	.... to ....
LILY OF THE VALLEY	2.00 to 4.00	3.00 to 8.00	.... to	4.00 to 5.00	3.00 to 5.00
MIGNONETTE—ordinary	1.00 to 2.00	.... to	.75 to 2.00	.... to	3.00 to ....
MIGNONETTE— fancy	.... to 3.00	.... to	.... to	.... to	.... to 6.00
NARCISSUS	1.00 to 1.50	3.00 to 4.00	.... to	3.00 to 4.00	3.00 to 5.00
SMILAX	.... to	15.00 to 20.00	10.00 to 25.00	.... to 15.00	20.00 to 25.00
VIOLETS—ordinary	.75 to 1.00	1.50 to	.50 to .75	2.00 to 2.50	2.00 to ....
VIOLETS— fancy	.... to 1.25	.... to 2.00	.... to 1.00	3.00 to 3.50	.... to 3.00

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FANCY FERNS, DAGGER FERNS
And all fresh green for decorating purposes. Also Prepared Sago and Palm Leaves, Plants, Etc. We guarantee the best goods that money can buy, and cheaper than any of our competitors. Prompt delivery guaranteed. Sub-contractors for Palm and Green decorations.
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Red and Green Galax, 55c. per 1000.
Leucothoe Sprays, $2.50 PER 1000.
Cash with first order. Seven years' experience. Special price to wholesalers.
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Fresh Green, Large Size, Long Stems, $6.00 a 1000.
Needle Pines, 3-4 feet Long Leaf, $5.00 a 100.
ALL F. O. B. NEW YORK.
Cash with order. Prompt shipments. Quick deliveries.
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P. O. Box 1697, New York.

Cincinnati.

Trade Notes.

Business remains good, although stock is very scarce and prices are gradually climbing up. So far we have had very seasonable weather, with considerable sunshine, which will be the making of carnations, and will also help out the rose crop. Orders are coming in at a lively rate for Christmas, and this market will not have half enough stock to go round, with perhaps the exception of bulbous flowers.

In last week's report, through an oversight, I failed to mention that George & Allan made their usual fine exhibit of roses, valley, narcissus, Romans and other stock at the exhibition for December 8, taking first prize on Meteor and Perle. This firm will have a very large quantity of forcing stock for Christmas.

Saturday afternoon I was favored with a call from C. W. Ward, of Queens, N. Y. E. G. Hill was also in the city. The gentlemen had been out to Richard Witterstaetter's to see his many seedlings. Richard has some fine ones to show this season, and will have several of them at Baltimore. By the way, it is not too soon to say something regarding this meeting. About six people will attend from this city. We shall probably travel over the B. & O. R. R., stopping off on the return trip at Oakland, Md., to visit H. Weber & Son. We shall be glad to hear from any of the craft in this section who will attend, also to have them join our party. E. G. GILLETT.

St. Louis.

The Market.

Little change can be reported from this point. Receipts and demand are about normal, with complaints of slow business. Among plants poinsettias have found ready sale, and there is an active demand for azaleas; the latter are exceedingly scarce; the crop appears to be late this year. We are inclined to think that if the demand is equal to that of former years, and especially of last year, there will be a shortage in blooming plants, as there is a good call for almost anything in that line.

While the commission men report clean sales, this is probably accounted for more by the fact that not much stock is coming in than by the good demand. Roses are cheap, 5c. to 6c. being the top price, down to as low as 2c. Carnations bring 1½c. to 3c., with the supply equal to the demand. Callas are to be had in limited lots at 10c. for small ones. Violets are steady at $1 per 100. No great quantity of bulb stock is in the market.

Club Meeting.

A well-attended and lively meeting took place on the 13th. The report of the chrysanthemum committee was read, and affairs were in such shape that the treasurer was instructed to begin the paying of prizes. These will be paid in full and at once. Henry Johann, of Edwardsville, was elected to membership. By vote of the club it was decided that the next meeting be devoted to carnations. All growers of new varieties are invited to send samples of their stock. Besides this, in compliance with the scheme adopted last year, the club offers prizes of $5, $3 and $2 for the best vase of 50 carnations, any kind or color, to be competed for by the members only. This ought to bring out a fine display.

Dr. A. F. Halstead was to have read an essay on "New Carnations from a Commercial Standpoint." The doctor asked for a little more time, as pressure of business prevented the preparation of his paper. It will be read next meeting night. F. W. Ude read a paper on "Latest Facts About New Carnations." He related with inimitable humor the trials, the often blasted hopes and expectations, and the disappointments of the buyers of the new high-priced varieties sent out every year. He gave his experience with the newer kinds, as far as this season's developments would permit, laying stress upon the fact that one man's experience with a carnation is not conclusive either for or against a variety.

F. G. Ude's paper, on "Successful Violet Culture," held over from last meeting, was read. Mr. Ude explained his method of raising the fine product, among the best coming to this market, to the satisfaction of all present. A vote of thanks was tendered both gentlemen.

A vase of the new chrysanthemum Superba was exhibited by N. Smith & Son, Adrian, Mich., and was awarded a certificate of merit. For a very late variety this kind is no doubt valuable; it is a very good pink, about the color of Mrs. Murdoch, flower of fair size, of good form and of great substance, with splendid stem and foliage.

President Guy exhibited a vase of The Marquis carnation. All the flowers were, as usual, auctioned off for the club's benefit. C. C. S.

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Wholesale Prices of Cut Flowers—Per 100

Names and Varieties	Chicago Dec. 19, '00	St. Louis Dec. 17, '00	Cincinnati Dec. 18, '00	Milwaukee Dec. 20, '00	Pittsburg Dec. 11, '00
Roses: A. BEAUTY, fancy—special	90.00 to 100.00	.... to 100.00	.... to	100.00 to 120.00	35.00 to 50.00
" extra	75.00 to 80.00	65.00 to 80.00	.... to	50.00 to 75.00	20.00 to 30.00
" No. 1	40.00 to 50.00	25.00 to 50.00	.... to	25.00 to 35.00	10.00 to 15.00
" Culls & ordinary	25.00 to 30.00	8.00 to 16.00	.... to	10.00 to 20.00	4.00 to 6.00
Bride, Maid, fancy-spec'l	12.00 to 15.00	.... to	6.00 to 15.00	.... to 15.00	8.00 to 10.00
" extra	8.00 to 10.00	10.00 to 15.00	8.00 to 12.00	.... to 10.00	5.00 to 7.00
" No. 1	5.00 to 7.00	.... to 12.50	6.00 to 8.00	.... to 8.00	3.00 to 4.00
" No. 2	.... to	.... to 8.00	4.00 to 6.00	.... to 5.00	1.50 to 2.00
K. A. Victoria	12.00 to 15.00	.... to 6.00	.... to	10.00 to 15.00	.... to ....
Liberty	12.00 to 18.00	.... to	.... to	10.00 to 15.00	3.00 to 10.00
Meteor	12.00 to 15.00	12.50 to 18.00	6.00 to 12.00	10.00 to 15.00	3.00 to 10.00
Perle	8.00 to 10.00	8.00 to 12.00	4.00 to 6.00	10.00 to 15.00	3.00 to 6.00
ORCHIDS—Cattleyas	.... to	.... to	.... to	.... to	.... to ....
Cypripediums	.... to	.... to	.... to	.... to	.... to ....
Carnations: Inf'r grades, all colors	2.00 to 3.00	2.00 to 3.00	.... to	3.00 to 4.00	1.00 to 1.25
STANDARD VARIETIES: White	3.00 to 4.00	4.00 to 5.00	.... to 3.00	3.00 to 4.00	1.50 to 2.00
STANDARD VARIETIES: Pink	4.00 to 5.00	4.00 to 5.00	.... to 6.00	3.00 to 4.00	1.50 to 2.00
STANDARD VARIETIES: Red	4.00 to 5.00	4.00 to 5.00	.... to 3.00	3.00 to 4.00	1.50 to 2.00
STANDARD VARIETIES: Yel.&Var.	4.00 to 5.00	4.00 to 5.00	4.00 to 6.00	4.00 to 6.00	1.50 to 2.00
*FANCY— (The highest grades of standard var) White	5.00 to 6.00	2.50 to 6.00	4.00 to 6.00	4.00 to 6.00	2.00 to 3.00
*FANCY— (The highest grades of standard var) Pink	6.00 to 8.00	2.50 to 6.00	4.00 to 6.00	4.00 to 6.00	2.00 to 3.00
*FANCY— (The highest grades of standard var) Red	6.00 to 8.00	2.50 to 6.00	4.00 to 6.00	4.00 to 6.00	2.00 to 3.00
*FANCY— (The highest grades of standard var) Yel.&Var.	6.00 to 8.00	2.50 to 6.00	4.00 to 6.00	4.00 to 6.00	2.00 to 3.00
NOVELTIES	.... to	.... to	.... to	7.00 to 8.00	.... to ....
ADIANTUM	1.00 to 1.25	1.00 to 1.5	.... to 1.00	.75 to 1.00	.75 to 1.00
ASPARAGUS	50.00 to 75.00	.... to	.... to	40.00 to 60.00	35.00 to 75.00
CALLAS	10.00 to 12.00	.... to	.... to	12.50 to 15.00	.... to ....
CHRYSANTHEMUMS	10.00 to 12.00	.... to	.... to	.... to	10.00 to 15.00
" Fancy	15.00 to 25.00	.... to	.... to	.... to	20.00 to 25.00
DAISIES	.75 to 1.50	.... to	.... to	.... to	.... to ....
LILY OF THE VALLEY	4.00 to 5.00	4.00 to 5.00	.... to 4.00	.... to	.... to ....
MIGNONETTE—ordinary	2.00 to 8.00	.... to	.... to	.... to	.... to ....
NARCISSUS	3.00 to 4.00	3.00 to 4.00	.... to 3.00	.... to	2.00 to 3.00
SMILAX	12.00 to 20.00	12.50 to 16.00	.... to 15.00	12.50 to 15.00	10.00 to 15.00
VIOLETS—ordinary	1.00 to 1.50	2.00 to 2.50	1.00 to 2.00	.... to 1.50	.... to ....
" fancy	2.00 to 3.00	.... to	.... to 2.50	2.00 to 2.50	.... to ....

E. G. HILL & CO.
Wholesale Florists
RICHMOND, INDIANA.

Pittsburg.

Business Bits.

Trade is moving along nicely, and up to date (December 18) prices have not much advanced; but from now on until after the holidays quite an increase will take place. From present indications about the usual Christmas figures will prevail, and the demand for stock will be good. Carnations have been rather scarce the last few days; no doubt stock is held back. Roses seem abundant. Roman hyacinths and narcissus are too plentiful. Harrisii lilies are scarce; only a few growers are cutting at present; $25 per 100 is asked for the flowers.

Christmas greens trade, particularly trees, is very active. So far the market is not overstocked, and it is more than likely that all the material will be sold the end of this week. Wreathing and holly are in brisk demand and of good quality. Ground pine is scarce and brings a big price. Holly is more plentiful than it ever was. Good mistletoe is also plentiful enough and well berried.

All the stores and market stands look very attractive and are well prepared for a good holiday trade, which is expected by most every one.

The News.

The December meeting of the Florists' Club again failed, only a few members being present. For the last three or four months the meetings have been so poorly attended that it looks as if they will have to be discontinued next year.

The Botanical Society of Western Pennsylvania held its regular meeting on the same night. "Pines and Other Evergreen Trees" was the subject for discussion.

A visit to Fred Burki's place in Bellevue showed everything in fine shape. His stock for the holidays will be larger and better than ever. Thirty-six houses of good size are devoted mainly to roses, carnations and asparagus. The roses are all in good condition and of the leading sorts. Carnations are in splendid shape, particularly Flora Hill, White Cloud, Mrs. Frances Joost and Morning Glory, of which sorts the cut for Christmas will be large. Ethel Crocker and The Marquis particularly are rather late, which is noticeable among other growers in our vicinity.

Mr. Burki was among the first to cut Harrisii lilies this season, and will have a nice batch for Christmas. Much space is devoted to Asparagus plumosus and A. Sprengeri, for which there is always a good demand. E. C. REINEMAN.

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Lenox, Mass.

The annual meeting of the Lenox Horticultural Society was held Saturday, December 8. The society voted to hold its annual ball on Friday evening, January 29, at Sedgwick Hall, and at the next meeting the committees will be appointed. This big social event will be larger and better in every respect this year. The reports of the society indicate that the membership still keeps up and that it is prosperous. Several very instructive illustrated lectures were held last year, and it was voted to continue these public lectures this Winter. A committee was appointed to correspond with eminent speakers and secure men well versed, if possible, in horticultural matters, to speak in Lenox during the Winter. The society elected the following officers: President, Charles Russell; vice-president, Frank Butler; secretary, Joseph Martin; assistant secretary, John Donahue; treasurer, George Ferguson; executive committee, P. J. Donahue, Edwin Jenkins, Andrew Loveless.

North Adams, Mass.

Henry A. Lane has resigned his position with A. C. Stoughton and is succeeded by George Shields, of Dedham, Mass.

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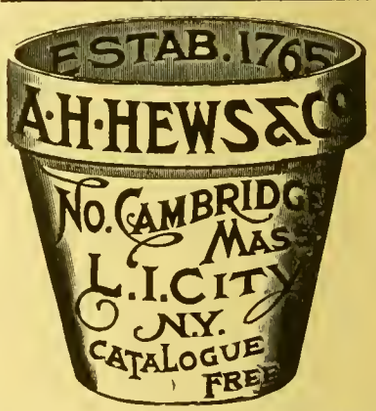

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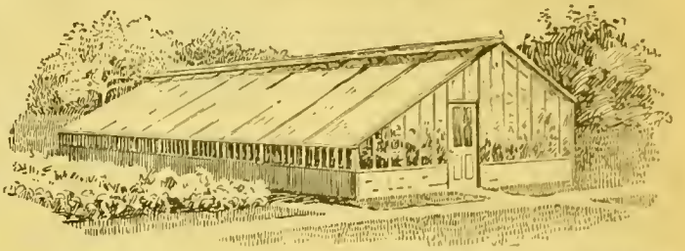
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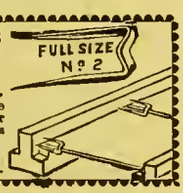

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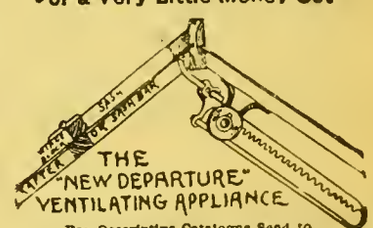

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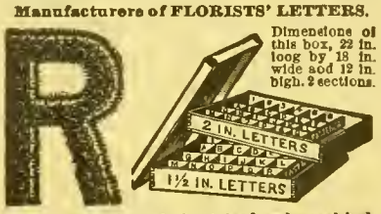

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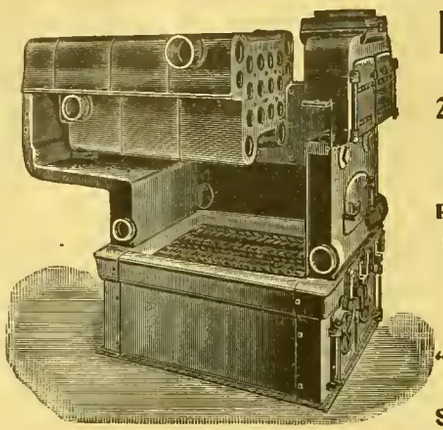

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WM. MUNRO,
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Vol. XII. No. 52. NEW YORK, DECEMBER 29, 1900. One Dollar Per Year.

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Strong plants, " 6 " " 16 " " $1.00 "
Strong plants, " 7 " " 20 " " 1.50 "
A few large specimens, in 12 inch pots, 4 feet high, $5.00 each.

FOR FULL LINE OF PALMS AND OTHER DECORATIVE PLANTS, SEND FOR SPECIAL LIST, WHICH WE WILL BE GLAD TO MAIL ON APPLICATION.

F. R. PIERSON CO., Tarrytown-on-Hudson, N. Y.



Asparagus Plumosus Nanus

CUT STRINGS, 8 Feet Long, 50 CTS.

W. H. ELLIOTT, BRIGHTON, MASS.

POT-GROWN SHRUBS
FOR EARLY FORCING.

First large shipment just to hand, in perfect condition and ready for forcing on. Most of them will flower in 21 to 24 days in a high temperature.

LILACS { **MARY LEGRAYE,** pure white flowers. **CHARLES X,** Dark Lilac. **MME. LEMOINE,** Double White Lilac.

Each, large plants, many branches and buds, 6 inch pots, 75 cts. each; $6.00 per doz.; $45.00 per 100.

DEUTZIA { **LEMOINE,** considered superior to Gracilis and forces equally well. **GRACILIS,** well known white flowering shrub.

Each, extra fine pot-grown plants, 6 in. pots, 25c. ea.; $2.50 per doz.; $17.50 per 100.

HYDRANGEA HORTENSIS.

CYANOCLADA, good forcing variety. **TRICOLOR,** variegated foliage.
Each, large bushy plant, with 8 to 12 buds, ready for 10 inch pots, 50 cts. each; $5.00 per doz.; $40.00 per 100.

LOW BUDDED H. P. ROSES.

2-YEAR-OLD SELECTED PLANTS, all the leading varieties, now ready for delivery. Bundle of 10 plants for $1.25; $11.00 per 100.

Hybrid Tea and Other Dormant Roses.
LOW BUDDED. TWO-YEAR-OLD.

CLOTHILDE SOUPERT, PRESIDENT CARNOT, MALMAISON, GLOIRE LYONNAISE, $1.75 for 10; $15.00 per 100.
HERMOSA, GLOIRE DE DIJON, $1.50 for 10; $13.00 per 100.

LILY OF THE VALLEY PIPS, best grades, 2-yr-old, $10.00 per 1000.

CLUCAS & BODDINGTON CO.,
342 West 14th Street, New York City.
Telephone, 461 18th.
Importers, Exporters and Growers' Agts. of SEEDS, BULBS and PLANTS.

Holiday Specialty

Begonia==Gloire de Lorraine

The Leading Flowering Plant of the Century.

In all sizes—5 in. and 6 in. pots and 6 in. and 8 in. pans. 75 cts., $1.00, $1.50, $2.00, and $3.00 Each.

All fine specimen plants covered with bloom.

Our Special $1.00 size in 5 inch pots, of which we have several thousands, is being largely used for decorative purposes with general satisfaction. Combined with Adiantum Farleyense or Cuneatum, it produces a brilliant, warm, rich color effect secured by no other decorative scheme.

Remember, we have two large houses filled with specimen plants of Lorraine, and can fill all orders promptly.

THE COTTAGE GARDENS, QUEENS, L. I.

MUSHROOM SPAWN

We are in receipt of a fine consignment, and, if we do say it, **it cannot be equalled.**

A sure cropper, and while it lasts will offer in lots of

100 POUNDS FOR $ 7.00 $

Fifty pounds at the hundred rate.

WM. ELLIOTT & SONS, NEW YORK.

Mention the Florists' Exchange when writing.

SEEDS FOR EARLY SOWING.

	100 seeds	1000 seeds
Asparagus Sprengeri	$0.75	$6.00
" Plumosus Nanus	1.00	9.00
Aster, Queen of the Market—White, light blue, dark blue, rose, crimson.....Per pkt., 15c.; oz., 75c.		
Cyclamen Persicum Grandiflorum—Per 100, $1.00; per 1000, $7.50.		
	Per pkt.	Per oz.
Dracæna Indivisa	$0.15	$0.75
Petunia, Double large flowering, fringed	1.00	
Petunia, Single large flowering, fringed	1.00	
Phlox Nana Compacta—Fireball, Snowball, Purple, Blue Striped, Chamois Rose, Defiance, and fine mixed	.25	2.50
Salvia Nana Compacta, Bonfire	.25	4.50
Verbena Mammoth, mixed	.25	1.50

GLADIOLUS—(for Forcing).

Ex. White and light for forcing	$2.00	$18.00
May, the finest forcing	2.00	18.00

STOCKS.

	Per pkt.	Per oz.
Giant Perfection, white	$0.25	$5.00
Dwarf, large flowering, 10 weeks—white, blood-red, purple rose, yellow and red	.25	3.25

SWEET PEAS.

	Per oz.	Per lb.
Blanche Ferry, Blanche Ferry, extra early, Emily Henderson, Blanche Burpee, Countess of Radnor, Dark Lavender, Katharine Tracy	$0.10	$0.40
Burpee's Extra Early	.10	.65

If by mail, add 8 cents per pound for postage.

TUBEROSES.

4½ to 6 ins	$1.00	$8.00
3 to 4 ins	.75	5.00

STUMPP & WALTER CO., 50 Barclay St., New York.

Mention the Florists' Exchange when writing

ESTABLISHED 1802

THORBURN'S SEEDS

SURPLUS AT REDUCED PRICES.

LILIUM LONGIFLORUM JAPAN

6 to 8 inches ..... $24.00 per 1000
7 to 9 " ..... $34.00 "

LILY OF THE VALLEY PIPS

Largest and finest in the world.
Either Berlin or Hamburg, $10.00 per 1000.
In case lots (3000 in case), 9.00 per 1000.

J. M. THORBURN & CO.

(Late of 15 John Street)

36 CORTLANDT STREET, NEW YORK

Mention the Florists' Exchange when writing.

CALLA BULBS DELIVERED.

1 to 1¼ ins. diam., $3.00 per 100; $25.00 per 1000.
¾ to 1 " " 2.00 " " 17.00 " "
⅝ to ¾ " " 1.35 " " 11.50 " "
Sets 1½ to 2 ins. long, .60 " " 6.00 " "

MRS. THEODOSIA B. SHEPHERD,
VENTURA-BY-THE-SEA, CALIFORNIA.

Mention the Florists' Exchange when writing

BURPEE'S SEEDS

PHILADELPHIA — WHOLESALE PRICE LIST FOR FLORISTS AND MARKET GARDENERS

Mention the Florists' Exchange when writing.

XXX SEEDS

VERBENA GRANDIFLORA. The finest strain of mammoth Verbenas grown; best colors, mixed. Pkt., 800 seeds, 50 cts.

CYCLAMEN GIGANTEUM. The choicest Giant-Flowering varieties in best mixture. 200 seeds, $1.00; half pkt., 50 cts.

PETUNIA DOUBLE FRINGED. The largest and finest Double Fringed and Mottled Petunias to be had. Trade pkt., 50 cts.

PHLOX DRUM. PUMILA. New, very dwarf, perfect beauties; compact and unique; grand for pots; nothing finer in Phloxes yet offered. Trade pkt., 20 cts.

CHINESE PRIMROSE. Finest strain grown, large flowering fringed; fifteen varieties, single and double, mixed. 500 seeds, $1.00; half pkt., 50 cts.

PANSY, FINEST GIANTS. The best of the Large Flowering varieties, critically selected. Mixed, 3600 seeds, $1.00; half pkt., 50 cts.

JOHN F. RUPP, Shiremanstown, Pa.
The Home of Primroses.

Mention the Florists' Exchange when writing.

WE HAVE SURPLUS

PEAS	ONION	CABBAGE	WATERMELON
BEANS	CARROT	CAULIFLOWER	MUSKMELON
CORN	LETTUCE	EGG PLANT	CUCUMBER
TOMATO	SPINACH	CELERY	PUMPKIN
OKRA	PEPPER	ENDIVE	SQUASH

SEND US A LIST OF YOUR NEEDS.

I. H. THOMPSON SEED CO., Houston, Texas.

Mention the Florists' Exchange when writing.

LAST CALL BARGAINS Must Be Sold

HYACINTHS Extra fine, to name, $65.00 per 1000
Best, in separate colors, $35.00 per 1000

10,000 CROCUS
In separate colors, $1.50 per 1000.

Extra Fine **RHODODENDRONS** for Forcing.
All sizes and prices.

JUST RECEIVED
A fine lot of
Crimson Rambler, H. P. Roses, Lilacs, Clematis, Deutzia, Hydrangea.
Write for prices to

F. W. O. SCHMITZ, Jersey City, N. J.

Mention the Florists' Exchange when writing.

All Surplus Stock Sold Out Except

TULIPS

Which as long as unsold we offer in FINE LARGE BULBS, 50 per cent. off Import Cost.

SINGLE.		DOUBLE.	
Chrysolora	Cottage Maid	Duke of York	Imp. Rubrum
Duchesse de Parma	Joost Von Vondal	La Candeur	Rose Blanche
La Reine	Mon Tresor		
Rose Gris de Lin	Rosamundi Huysmann		
Yellow Prince			

Any sort, 50c. per 100; $4.50 per 1000; $40.00 per 10 000 Single or Double, to color or mixed, our choice, $4.00 per 1000. Parrots, $4.50 per 1000.



Send for our NEW LIST of Tuberous Rooted Begonias, Gloxinias, Gladioli, Seasonable Seeds, etc.

Address **H. H. BERGER & CO.,** Estab. 1878. **47 Barclay St., New York.**

Mention the Florists' Exchange when writing.

SPIRÆA AND VALLEY

	Per 100
Spiræa Japonica	$3.50
Compacta Multiflora	4.00
New Gladstone	14.00

F. O. B. New York. Extra Large and Fine.

VALLEY.	Per 1000
London Market	$14.50
Premium	12.50
International	10.25

Price case lots on application.

SURPLUS BULBS Must Be Sold.

Tell Us What You Can Use—We will Quote You Right Prices.

Lilium Longiflorum, Japan, 9-10.
" Harrisii, 9-11.
Tulips, Named.

Single and Double Tulips.
Hyacinths, Double Named and Bedding sizes, Named Varieties.

VAUGHAN'S SEED STORE, 14 Barclay St., NEW YORK. 84-86 Randolph St., CHICAGO.

Mention the Florists' Exchange when writing.

SEEDS FOR FORCING

TOMATOES, { Best of All, Lorillard, Frogmore Selected.

CUCUMBERS. MELONS.

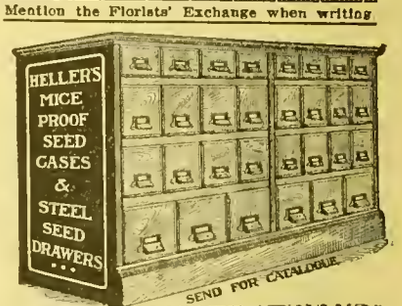
SURE CROP MUSHROOM SPAWN, $8 per 100 lbs

WEEBER & DON, Seed Merchants and Growers, 114 Chambers St., N. Y. City

Mention the Florists' Exchange when writing.

EXTRA CHOICE FLOWER SEEDS.
List free on application.
FRED. ROEMER, SEED GROWER,
Quedlinburg, Germany.

Mention the Florists' Exchange when writing



HELLER & CO. MONTCLAIR, N.J. U.S.A.

Mention the Florists' Exchange when writing.

WE NOW BOOK ORDERS

— FOR —

		Per 100
SPIRÆA	JAPONICA, large clumps,	$4.00
	COMPACTA, "	4.00
	ASTILBOIDES, "	4.00

TUBEROSES THE PEARL, 4 to 6 inch, per 1000, $5.00; 3 to 4 inch, $2.50 per 1000.

Net Cash With Order.

HULSEBOSCH BROS., Englewood, N. J.

Mention the Florists' Exchange when writing.

1901 Specialties . . .

Asters Daybreak, Purity and Branching Comet...

Cabbage Novelty . . .

20th Century Earlier than the Wakefield, as solid as Danish Ballhead. Write for prices and description. Half-tone cuts for catalogue purposes.

JAMES VICK'S SONS,
ROCHESTER, N. Y.

Mention the Florists' Exchange when writing.

Johnson and Stokes' Seeds

Are grown exclusively for the most critical market garden and florist trade, and are known in every large market of the United States as producers of vegetables and flowers which are the accepted standards of excellence. Write now for our new Quarterly Wholesale Catalogue.

JOHNSON & STOKES, PHILADELPHIA, PA.

Mention the Florists' Exchange when writing.



AMERICAN SEED TRADE ASSOCIATION.

ALBERT MCCULLOUGH, Cincinnati, O., President; F. W. BOLGIANO, First Vice-President; S. G. COURTEEN, Milwaukee, Wis., Second Vice-President; S. F. WILLARD, Wethersfield, Conn., Secretary and Treasurer.

Points and information from seedsmen, and all interested in this column, solicited. Address EDITOR SEED TRADE, care of FLORISTS' EXCHANGE, P. O. Box 1697, New York.

Cape Vincent, N. Y.—Will Casler has opened a seed store here.

Philadelphia.—W. S. Appleton, with Johnson & Stokes, is lying dangerously ill at his home with typhoid fever.

European Notes.

The Smithfield show in London, held during the past week, was hardly up to its usual standard of excellence, but this was in a great measure due to the lack of rain and the great heat at the time that root seeds were being sown.

Mangel wurzels, of course, made the best show, and the best of these was Sutton's prize winner Yellow Globe. Large and shapely roots, with skin as smooth as an apple, weighing in some cases 60 pounds each, they fairly eclipsed everything else in the hall. Hard by an enterprising firm exhibited a dried plant of the parent variety, Beta vulgaris, weighing in its entirety about six ounces, so that intelligent observers were enabled to appreciate the work that has been achieved by the patient cultivator. Turnips, rutabagas, carrots and potatoes presented no special feature, and no distinctly new variety was exhibited.

The mild and moist weather has started quite a fresh growth in turnip plants and, should it continue, will enable us to report a larger average than at one time seemed possible. As illustrating the undoubted scarcity of reliable stocks of root seeds, the principal retail dealers at the before-mentioned show declined to accept any one order for more than one cwt. mangel. Five years ago they were eager to sell a ton.

EUROPEAN SEEDS.

Catalogue Making.

At the annual meeting of the American Seed Trade Association, Mr. Charles M. Page, the Des Moines (Ia.) seedsman, read a paper on several phases of the seed publicity, which was heard with marked attention by the members. Among other things Mr. Page said:

The most important subject for all catalogue seedsmen is embodied in the first question of the topic which has been assigned to me. It is an old subject, yet ever new and ever changing. Seasons differ, and what under some conditions would bring rich returns at other times falls to the ground fruitless. Each seedsman has a clientage of his own who are reached by his style of advertising and catalogue making.

The first thing to decide is what class of customers you desire to reach, for it must be admitted that no catalogue can be made to suit everybody. For the wealthy your book must be printed on heavy paper of extra finish; it must be made thoroughly artistic in every respect, with illustrations different from the ordinary, and superior composition and press work. This will be expensive, but requires a less number of catalogues and the orders will average larger when trade is once established.

For the cheap class of trade a cheaply made catalogue, printed on poor paper, with muddy ink and poor press work appears to be sufficient to catch the trade, provided the catalogue-maker can put in sufficient bombastic language to make the purchaser think he is getting the "best seeds on earth at the lowest prices." The more exaggerated the cuts and descriptions are the better it seems to take. It has always been my opinion that this class of trade is of a fleeting nature and cannot be held from year to year.

For this reason I have always catered to the middle classes and tried to make a plain, thoroughly practical catalogue, which will be of interest to the ordinary farmer and gardener. Prices are made reasonable on everything instead of the common policy of ridiculously low prices on a few items, which are more than made up by over-charges on others.

The preliminary work of preparing a catalogue is the most important. It should be begun in the Spring by having a note-book ready for jotting down items, which daily come to our attention during the busy season, and for this purpose it is well to prepare a catalogue with blank sheets of ruled paper bound in between the leaves of the book. During the Summer the catalogue editor should spend much time making notes in the field or on the trial grounds.

There is no doubt that illustrations sell goods, but there are very few engravers who can make cuts which truly illustrate vegetables, flowers or field crops in such a manner as will bring out the salient points. The best engravings are undoubtedly good wood-cuts, but they are expensive, and line drawings from which zinc etchings are made are cheap and largely used. Half-tone engravings are inexpensive, except that it requires a true artist to arrange the detail and make a good photograph. We notice that one dealer is having many half-tones made from pencil sketches, and they have a very life-like effect. A super-calendered or coated paper is imperatively necessary where half-tones are used.

In beginning work on a catalogue I make a dummy of each page, pasting on the illustrations selected in just the position I wish them to appear in the book. This assists the printer and enables me to know at the outset just what space I can allot to each department and item. Copy can then be prepared for each page independent of all others, and each page is electrotyped as soon as proof is O'K'd. By owning your own type and having the composition done in your store some expense and much vexation and annoyance is saved. [??] No matter how well written the catalogue is or how choice the illustrations, poor paper and press work will ruin the job. The paper may be thin and not of extra quality, but it must have a good finish, S. & S. C. For several years past I have saved some money in binding by having catalogues saddle stitched. * * *

The value of catch-phrases depends on their adaptability for advertising purposes. Nothing is of more value to the advertiser in any line than a pat expression, which is enforced on the public attention until it actually becomes a trade-mark. No one is likely to forget that "Jones, he pays the freight," "You touch the button and we do the rest," "Uneeda Biscuit," or "See that hump," and our friend, Mr. Burpee, has been laboring hard to make the dear people believe that "Burpee's Seeds Grow." It is not every one who can coin an expression which is apt and will take with the people. The best transient expression we have seen this year is in L. L. May's advertisement of bromus, "It will hold your hat up," but it would be valueless without the accompanying picture. * * *

ADVERTISING CHEAP COLLECTIONS.

Cheap collections are the bane of the seed business, and still almost all catalogue seedsmen will have to plead guilty of having offered them. These collections are purchased because of their cheapness, although the customer seldom has use for more than half of the varieties which the collection comprises. Their use demoralizes the trade and educates the people to believe that the actual cost of the seed is almost nothing. It robs the dealer of the sale of his regular stock at profitable prices, puts many unprofitable names on the customers' record, and thus entails a further loss in sending catalogues to them in the future. Therefore, although the temptation is strong to advertise them in order to increase the number of customers, we believe the better class of seedsmen will finally decide that it does not pay in the long run.

The strong competition now in the seed business, the department stores offering seeds at one cent per packet, the government's free seed distribution, and the newspaper's premium seed offers, all tend to make the seedman's road rough, but we believe that his best course is to stick to the legitimate trade and remember in making prices that the advertising, salaries, rent and other expenses amount to fully as much as the first cost of the seeds.—AGRICULTURAL ADVERTISING.

MANETTI STOCKS $12.00 PER 1000.

Special Prices Given for Larger Quantity.

Russell's Cottage, Tennessee Belle, Felicite Perpetue,
Very Strong. $5.00 per 100.

Send for Price List of Young Nursery Stock for Transplanting. **THE ELIZABETH NURSERY CO., Elizabeth, N. J.**

Mention the Florists' Exchange when writing.

Waco (Tex.) Flower Show.

Editor Florists' Exchange:

Flower shows having chrysanthemums as the predominating attraction are now held very generally all over the country. In few instances, however, is there anything very remarkable about either the show itself, its management or its support. Several, especially in smaller towns, are gotten up by some charitable association, and the proceeds used to carry on the work of such. Others are gotten up by florists and gardeners for the twofold purpose of advertising and profiting by the prizes won. This Waco show, however, is not directly supported by either of the influences named above.

Only a few years ago an association of amateurs was formed here for the purpose of studying horticulture and floriculture in particular. Its membership includes the best families of Waco and contains only two or three commercial florists. Its organization stimulated the love for flowers and their cultivation, and resulted ultimately in the holding of an exhibition in the Cotton Palace.

The success of the first few shows and their popularity with the public led the society to enlarge upon its plans, so that this year its premium list in the professional classes offered inducements equal to those of any show in the country. For instance, $25 was the first prize offered in the classes for 30 best blooms in each color.

Now, one of the matters that induces me to write this is the fact that, in spite of the liberal prizes offered, there was practically no competition. If any of the northern florists fear their flowers will not carry safely that distance, I need but say that some sent there from Missouri, Michigan and Indiana arrived in fine shape.

What is more, the prize moneys are all guaranteed by the business men of the city, and there is no scaling down of any kind for any reason.

As a place to advertise Waco has few superiors, as almost every member of the society is an enthusiast on the subject of flowers, and ready and able to buy any novelty that promises well. The city of Waco has about 22,000 inhabitants, and I believe the attendance at the flower show during five days was about 10,000.

The officers of the association are almost all ladies who managed the details thoroughly, and secured the hearty coöperation of the business houses.

All who grow for exhibition should make a note of this enterprise and be sure to enter into the competition next year. The society promises to duplicate its premiums then, and we should make it a point to encourage these people, that other cities may be led to make as liberal offers and give as hearty support to Fall shows.

It certainly was discouraging to the promoters to see many of their very good prizes not competed for.

There may be a feeling abroad that flowers shipped there will not get proper attention. At no exhibition that I have ever visited has the management shown more intelligent solicitude for the exhibits of those who were not there to care for the stock themselves. A VISITOR.

American Carnation Society.

NEW VARIETIES REGISTERED.

Edgar McConnell, Sharon, Pa., registers the following:

SUNRISE.—Color of outer part of petals pure white, blending to a clear pink at the center. Flowers two and one-half to three inches, with fine clove fragrance, holding their size and color to midsummer. Stems strong and wiry, 18 to 30 inches in length. Calyx never bursts. Foliage and growth of McGowan type. A vigorous and rapid grower and a very free and continuous bloomer.

ALBERT M. HERR, Secretary.

CALADIUMS

Fancy leaved, 40 named sorts.

Dry bulbs, 1¼ to 2½ in., at $10.00 per 100; $90.00 per 1000
" " 1 to 1¼ " 8.00 " 70.00 "

ORANGES

Best sorts, grafted on Citrus Trifoliata. Beautiful plants, bushy, 15-18 in., $30.00 per 100

PHOENIX CANARIENSIS AND TENUIS

Very Stocky.

3-4 characterized leaves, 15-18 in., $15.00 per 100
4-5 " " 20-24 " 25.00 "
5-6 " " 24-30 " 40.00 "

PHOENIX RECLINATA Very Stocky,

3-4 characterized leaves, 15-18 in., $25.00 per 100.

LATANIA 4-5 characterized leaves, 18-20 in., $25.00 per 100

BIOTA AUREA NANA Best dwarf Biota, 12-15 in., $12.00 per 100

Not less than 50 at above rates.
Send for Price List.

P. J. BERCKMANS CO., Augusta, Ga.

Mention the Florists' Exchange when writing.

PANSIES And other Hardy Plants

Ready now from winter storage. Pansies, strong first-class, from seed bed, 60 cts. per 100, by mail; $4.00 per 1000, by express.

Hellanthus M. Pleuns, $2.00 per 100, by mail. Foxglove, Campannia, Helenium A. Superbum, Columbine, Phlox, Funkia Lancifolia, Golden Glow, Lemon Lily, Lychnis Viscaria, Iris, Delphinium, Hollyhocks, Mist, Coreopsis, Myrtle, etc., all at lowest cash prices.

Send list and get prices on stock wanted.

W. C. JENNISON, Natick, Mass.

Mention the Florists' Exchange when writing

Pansies Worth Raising

Again I can furnish, for immediate delivery, about 10,000 good PANSY PLANTS. Price, $4.00 per 1000, f. o. b. express here. Cash with order.

CHR. SOLTAU, 199 Grant Avenue, Jersey City, N. J.

Mention the Florists' Exchange when writing.

SEED—PANSIES—PLANTS

The Jennings Strain.

Fine plants, medium size, by mail, 60 cts. per 100 $4.00 per 1000 by express. Fine stocky plants, in bud and bloom, $1.00 per 100; $10.00 per 1000.

PANSY SEED, finest mixed, $1.00 per pkt. of 3000 seeds; $5.00 per oz. CASH WITH ORDER.

E. B. JENNINGS, Lock Box 254. Southport, Conn.
Grower of the finest Pansies.

Mention the Florists' Exchange when writing.

NOW IS THE TIME TO BUY

MICHELL'S FINEST STRAIN of

MAMMOTH VERBENA SEED

Choicest Mixed, all colors, 40c. per trade pkt; per oz., $1.50.

HENRY F. MICHELL
1018 Market St., Phila.

WHOLESALE PRICE LIST OF SEEDS, BULBS &c. ARE MAILED TO OUR CUSTOMERS AND TO APPLICANTS

Mention the Florists' Exchange when writing.

MANETTI FOR GRAFTING

150,000 from France; 30,000 from England.
PRICES UPON APPLICATION.
Crimson, Yellow, White and Pink Ramblers; Magna Charter, Ulrich Brunner, Paul Neyron.
HARDY NURSERY STOCK.

HIRAM T. JONES, Union County Nurseries, **Elizabeth, N. J.**

Mention the Florists' Exchange when writing.

TREES. TREES.

Norway and Sugar Maple and Siberian Arbor Vitæ.

WM. J. CHINNICK, - Trenton, N. J.

Mention the Florists' Exchange when writing.

FRUIT and ORNAMENTAL TREES,

Shrubs, Vines and Roses

Write for price list or send your lists of wants for special prices.

W. & T. SMITH CO., Geneva, N. Y.

Mention the Florists' Exchange when writing.

LETTUCE

Big Boston, Boston Market and other varieties, 15 cts. per 100; $1.00 per 1000; $8.50 per 10,000. If by mail, add 10 cts. per 100.

CABBAGE

Wakefield and Succession, 25 cts. per 100; $1.25 per 1000. If by mail, add 20 cts. per 100.

CASH WITH ORDER.

Other Vegetable Plants in Season. Send for List.

R. VINCENT, JR. & SON, White Marsh, Md.

Mention the Florists' Exchange when writing.

P. OUWERKERK

1123 Summit Ave., Jersey City, N. J.

Just received from our Holland Nurseries

RHODODENDRONS, AZALEAS,
SPIRÆA JAPONICA, LILIUM SPECIOSUM,
PÆONIES, BLEEDING HEART,
POT GROWN LILACS, HYDRANGEA IN SORTS.
CLEMATIS and H. P. ROSES, in the best sorts.

PRICES MODERATE.

Mention the Florists' Exchange when writing.

HYDRANGEA OTAKSA

Magnificent Strong Stock, with 4 to 7 branches.

Price, $10.00 per 100; $85.00 per 1000.

Send for our wholesale Price List of Roses, Clematis, Shrubs, Trees, etc., etc.

Our representative, **Mr. J. Austin Shaw,** is now in New York, address 271 Broadway. We shall be pleased to have him call upon prospective purchasers of any stock in our line.

JACKSON & PERKINS CO., Newark, New York

Mention the Florists' Exchange when writing.

LETTUCE PLANTS

Fine, large, stocky plants. Big Boston, Boston Market, Tennis Ball, and others, $1.00 per 1000.

J. C. SCHMIDT, Bristol, Pa.

Mention the Florists' Exchange when writing.

American Tree Seeds

Our Descriptive Catalog of American seeds is just out. Ask for it.
Our Folder, "How to Make Tree Seeds Grow," free with every order.

PINEHURST NURSERIES, Pinehurst, N.C.
Otto Katzenstein, Mgr.

Mention the Florists' Exchange when writing.

CALIFORNIA PRIVET

A LARGE STOCK OF ONE YEAR OLD:

	Per 100	1000
12 to 15 inches, two or more branches,	$1 50	$10 00
15 to 20 inches, three or more branches,	1 75	12 00
18 to 24 inches, good,	2 00	15 00

All No. 1 stock, well packed

Also **Small Fruit Plants, Fruit Trees,** etc.

CHAS. BLACK, Hightstown, N. J.

Mention the Florists' Exchange when writing

NATIVE RHODODENDRON

RHODODENDRON MAXIMUM, fine shapely plants, with good roots in sizes ranging from 12 inches up to 5 feet high, foliage to the ground and well branched. Every plant a specimen.

PRICES ON APPLICATION.

A. E. WOHLERT, 6 Water St., New York City.

Mention the Florists' Exchange when writing.

EVERGREEN

An **Immense Stock** of both large and small sized **EVERGREEN TREES,** in great variety; also **EVERGREEN SHRUBS.** Correspondence solicited.

THE WM. H. MOON CO., Morrisville, Pa.

Mention the Florists' Exchange when writing.

KOSTER & CO.

Hollandia Nurseries. - BOSKOOP, HOLLAND.

Hardy Azaleas, Box Trees, Clematis, Conifers, Hydrangeas Peonies, Pot-grown plants for forcing, Rhododendrons, H. P. Roses, etc.

No Agents. Catalogue free on demand. No Agents

Mention the Florists' Exchange when writing.

Large Shrubs

Well assorted. Send for list.

SAMUEL C. MOON, Morrisville, Pa.
BUCKS CO.

Mention the Florists' Exchange when writing

F. & F. NURSERIES

SPRINGFIELD, NEW JERSEY.

Wholesale Growers. **TREES AND PLANTS** in full assortment. Trade Catalogue Free.

Mention the Florists' Exchange when writing

ANDORRA NURSERIES

Red and Pin Oaks, 10 to 14 feet
Hemlocks, 4 to 6 feet

TRANSPLANTED SPECIMEN TREES.

WILLIAM WARNER HARPER, Prop.,
Chestnut Hill, Philadelphia, Pa.

Mention the Florists' Exchange when writing.

NURSERY DEPARTMENT.

AMERICAN ASSOCIATION OF NURSERYMEN.

THEODORE J. SMITH, Geneva, N. Y., President; N. W. HALE, Knoxville, Tenn., Vice-President; GEORGE C. SEAGER, Rochester, N. Y., Secretary; C. L. YATES, Rochester, N. Y., Treasurer.

Ocean Springs, Miss.—Theodore Bechtel, of Staunton, Ill., will embark in the nursery business here.

The Great Northern Nursery Co. of Coralville, Ia., has been incorporated; capital, $25,000. Incorporators: P. J. Regan, H. J. Paasch and C. Kane, all of Coralville.

State Entomologist Scott, of Georgia, has been sustained by the federal authorities for destroying fruit trees infected with the San José scale.

The Washington Star says that Prof. W. G. Johnson has resigned from the position of entomologist at the Maryland Agricultural College, his resignation to take effect February 1, 1901. Professor Johnson has done some excellent work for horticulturists in connection with the suppression of the San José scale and otherwise. It is understood that the gentleman will be associated with the American Agriculturist.

Christmas Trees in Pots.—Nurserymen find an ever-increasing demand for Christmas trees in pots. At this writing, thousands of sawed-off trees of balsam fir, white spruce and black spruce line our sidewalks, but these are not the first choice of very many would-be purchasers. The near-by florists are beseiged by those inquiring for an evergreen in a pot. Rarely do would-be purchasers find what they want, as the potted or boxed Christmas tree has not yet a good start. The nurseryman who will pot or box a lot of good-shaped Norway spruce in sizes of from three to six feet would have no difficulty in disposing of thousands of them in all large cities. The setting up of a sawed-off tree is always an irksome job, and from this the potted tree affords relief. It is not really necessary to get the whole of the root. Enough to steady the tree well when the soil is filled in is sufficient, as but few care to keep the trees after the festivities of the season are over. With roots to them, trees keep fresh as long as required, which is a great gain over the cut-down forest trees. Nurserymen having a stock of trees available for the purpose should prune them a little this Spring, to make them more twiggy by Fall.

Parcels Post to New Zealand.—Nurserymen and florists may not all be aware that within a recent period a postal convention between this country and New Zealand permits of parcels of 11 pounds weight being sent by mail from one country to the other, at a charge of 12 cents per pound or fraction thereof. A customs declaration has to accompany the parcels. Up to five to ten pounds this is an advantage, but for a greater number of pounds it is not, as then the various express companies already in the business forward as cheaply. But no company will take, say, one, two or three pounds at 12, 24 and 36 cents, respectively, as will the governments named.

An Old New Shrub.—A great deal has been written of late about our native shrub Pyrus arbutifolia, but no more than it deserves, as it surpasses in most all respects all other shrubs of like habit of growth. It is a medium-sized bush when of mature age, found wild in many parts of the country, but rarely in large quantities in any one place. It was the province of a Pennsylvania firm to make known its worth, by illustrating it in flower and fruit and calling attention to it by advertising. Now it is called for by every one engaged in large plantings, as well as by those who need but a plant or two. In this vicinity it flowers the second week in May. The blooms are white and are produced in clusters along the shoots of the previous season's growth. Following the flowers are berries, which become bright red in Summer and remain on the bush nearly all Winter. They are particularly attractive about the time the leaves fall in Autumn, while yet there is pleasure in walking through one's grounds before Winter shuts out the fading glories of the season. Very much in its favor is the fact that it flowers when quite small. Little bushes of but two feet will bloom freely. Its merits do not end with what has been said. There is still to be mentioned its handsome Autumn foliage—a dark bronze, often mixed with scarlet, the latter color usually more pronounced in small plants than in large ones.

Outlook for the Nursery Business—Herbaceous Plants.—I will now take up another branch—the herbaceous department. There is a very great change for the better here. Time was, and not so long ago, that this branch of the business was generally reported as not paying. Small collections were carried by most nurseries, but the whole of them put together would not have equaled that which many a single firm controls to-day. That this increase is not restricted to certain localities is shown by the calls of one nursery on another to help fill out orders. It is as general in the Eastern States as in the Western ones, and even in the South the interest evidently exists. As I have suggested in some of my previous letters, there is a good deal of planting done by certain parties in emulation of others, and I believe a large proportion of the planting of herbaceous plants springs from this cause. If a neighbor fixes up his place in a nice way we wish to improve ours at once. It makes us consider whether or not we cannot improve. From this cause, I am sure many a one has set out beds and borders of herbaceous plants who never would have done it.

The evidences are that Spring will see large sales made by those who have a stock on hand, as the onward rush of trade has not yet reached its highest points. The private gardens near cities take these plants by the hundreds, as do those buying for planting in masses on large estates. It is not uncommon for thousands of these plants to find their way to one purchaser when extended alterations or large plantings are contemplated. Where a large assortment is in possession of a nurseryman visitors can see from time to time the various sorts in flower, and can readily select a list which will follow on one after the other throughout the season.

There are a lot of old-time favorites which are always called for, among them, achilleas, anemones, columbines, asclepias, asters, campanulas, larkspurs, foxgloves, hollyhocks, irises, phloxes, pentstemons, spiræas and the like, because of old association sake, and the one who has good plants and a good collection of these will be in a line for profit.

But few outside of those who possess large collections have any idea of the great variety of herbaceous plants now in cultivation here. A great many from southern Europe and even from our own Southern States can be grown here, because of their being below ground in Winter, whereas, were they of a ligneous nature they would be killed by the cold.

Nearly all Spring flowering herbaceous plants force very well. But little heat is required to bring them into flower. A few in bloom in advance of the season always make sales of the dormant ones. Prospective customers get an idea from the pot plants of what the plants really are, and in this way sales are made which would not be otherwise.

JOSEPH MEEHAN.

St. Louis.

Full particulars of the Christmas trade cannot be ascertained for this writing. Present indications are that business is a full average and possibly heavier than usual. Roses, especially American Beauty, were very scarce on Christmas Day; none were to be had at the wholesale houses. Prices were not advanced materially. Carnations were equal to the demand, but with no great oversupply. The same may be said of violets. Bulbous stock of all kinds was too plentiful.

The weather was all that could be desired—neither hot nor cold; a little snow made it look quite seasonable.

C. C. S.

JUST RECEIVED

3000 RHODODENDRONS For Forcing

SEE PREVIOUS ISSUES FOR OTHER STOCK.

BOBBINK & ATKINS, RUTHERFORD, NEW JERSEY.

FOR SPRING DELIVERY

HARDY LOW BUDDED ROSES, AZALEAS, CLEMATIS, RHODODENDRONS, HYDRANGEAS, TREE ROSES, Etc.

PRICES QUOTED ON APPLICATION.

Mention this paper. **C. H. JOOSTEN, Importer, 85 Dey St., New York**

Prevent Boiler Explosions.

Editor Florists' Exchange.

It sometimes occurs that a low-pressure boiler, for some cause or another, is either cracked into pieces or destroyed by pressure, and it is always hard to ascertain the exact cause of the explosion, because the attendants dislike to assume the responsibility for the disaster.

Not long since a party having two large Dean boilers in use decided to put in a steam pump and run it by one Dean boiler which was put in for low-pressure heating. He replaced the safety with a high-pressure valve. Monday morning of last week he closed the valves leading to the heating system and was running the steam pump. Fearing that the steam would get too high with everything closed, the owner sent a farm hand to open the fire door. The latter did what he supposed he was told to do, but by mistake he opened the ash door. In a very short time the owner noticed that the pump was going it "to beat the band" and almost jumping off its foundation, and he thought he would investigate. When he entered the boiler room his hair stood on end—the first thing he saw was the steam gauge, the hand of which had gone entirely around and stood against the pin, so there is no knowing how much pressure there was in the boiler. Judging from the action of the pump he thinks there were about 100 pounds or over. He opened the fire door, closed the ash door and opened the safey valve. In our judgment, it would have been better to have left the safety valve closed, and not subjected the boiler to sudden contraction by a quick reduction of the pressure. With the fire door open and the steam pump running, the pressure would very soon have lowered beyond the danger point. We anticipate that if he had been one or two minutes later, there would have been a serious explosion and no way to account for it, because but a very short time before he had been in the boiler room, when the boiler was all right, and there was then less than 30 pounds of steam.

DEAN BOILER CO.

Detroit.

The Christmas Trade.

Taken all in all, the past Christmas has been a record breaker in every way. The weather was all that any one could wish for the delivery of stock, and the streets of our city presented the appearance of those of some country town on the occasion of a fair, having been continually jammed with buyers and shoppers for the past two weeks.

Prices ruled higher than formerly, for stock was none too plentiful on account of the dark weather and lack of sunshine for some time back. Carnations were very short. Roses were in better supply, but rather soft. Violets were also short, but some very fine ones from Mt. Clemens helped out. Breitmeyer & Sons had a house of The Farquhar, just right. In carnations Rackham had a house of G. H. Crane that were very fine, and the prices realized confirmed the retailers in their opinions of him as a robber, but they were glad to get the stock just the same. The call at Breitmeyer's seemed to be for baskets filled with plants, ranging in value from $5 to $25. This firm had an apprentice who exhibited very fine taste in the filling of the baskets. Sullivau, the Detroit Floral Co., and Taepke all report trade as exceptionally good, both in plants and cut flowers. In the green goods line the bulk of the business is done by the grocery and corner stores, and the florists in general are willing that they should do it. Boston fern led in decorative plants, with poinsettias in flowering stock.

Club Notes.

Four new members were added at the last meeting, and the premium list adopted for the show which the club has decided to hold November 12 to 15 next. All seem very enthusiastic in this matter. The plan of having a question discussed at each meeting is proving a success and a great benefit to the club.

RAO.

HEADQUARTERS FOR ARAUCARIA EXCELSA

5 inch pots, fine thrifty bushy plants, 50 cts.; 6½ inch pots, 75 cts.; specimens, 6 inch pots, from $1.25 and $1.50.

ARAUCARIA COMPACTA GLAUCA Specimens, beautiful, $1.25 to $1.50; worth one-half more.

CORYPHA AUSTRALIS 12 to 18 in high, 40 cts.

CASH WITH ORDER, PLEASE.

VAN DER CRUYSSEN 20 to 22 in., $2.50.

AZALEA INDICA Last week, 45c., 50c., 60c. Specimens.

CYPERUS (Umbrella Plant) 4 inch pots, $1.00 per doz.

GODFREY ASCHMANN, 1012 Ontario Street, Rising Sun, Philadelphia, Pa.

IMPORTER AND GROWER OF POT PLANTS

Mention the Florists' Exchange when writing.

ASPARAGUS PLUMOSUS

Good stock, in 3 inch pots, $8.00 per 100; $70.00 per 1000.

2 inch pots, suitable for Ferneries, $5.00 per 100; $45.00 per 1000.

C. W. COX, 2d and Bristol Sts., Phila., Pa.

CRYPTOMERIA JAPONICA (JAPAN CEDAR) Sells well. Strong plants, 3 inch, $1.00 per doz.; strong plants, 2 inch, $5.00 per 100. We also have the following small lots of plants on hand, which will be sold cheap if taken at once: **500 Cinerarias**, 2 inch, $1.75 per 100; **1000 Geraniums**, mixed, 2 inch, $1.75 per 100; **200 Umbrella Plants**, 3 inch, 3c.; **500 Asparagus Sprengeri**, 2 inch, $2.25 per 100. Low express rates. Satisfaction guaranteed.

E. I RAWLINGS, Wholesale Florist, Quakertown, Pa.

Mention the Florists' Exchange when writing.

BEAUTIFUL FERNS!

N. Davallioides Furcans, Bostoniensis and Washingtoniensis, from 3 inch pots, with fronds 2 to 4 feet long, at $1.00 each; $10.00 per dozen. For other choice and rare plants see my adv., page 1107 of this paper, Nov. 17.

N. STUDER, Anacostia, D. C.

Mention the Florists' Exchange when writing.

Nephrolepis Exaltata Bostoniensis

The handsomest decorative plant in cultivation, $5.00 a 100; $40.00 a 1000.

Mine is the Genuine Stock.

FRED. C. BECKER, Cambridge, Mass.

1730 CAMBRIDGE ST.

Mention the Florists' Exchange when writing.

FERNS. FERNS.

This year our ferns are in fine shape. A good variety and fine bushy stock. 2¼ in. pots, $3.00 per 100; $28.00 per 1000.

Asparagus Sprengeri, 2½ in. pots strong, $4.00 per 100.

Send Us a Trial Order and You'll Need More.

HENRY WESTON & BRO., Hempstead, N. Y.

Mention the Florists' Exchange when writing.

ORCHIDS

A splendid stock of established and unestablished Orchids always on hand. A number of varieties now in sheath and spike. Also Peat, Moss and Orchid baskets.

CORRESPONDENCE SOLICITED.

LAGER & HURRELL, Summit, N. J.

Mention the Florists' Exchange when writing.

PALMS and FERNS

Home Grown, Fine, Clean Stock, Grown Cool.

J. B. HEISS, The Exotic Nurseries. Dayton, Ohio.

Send for Price List.

Mention the Florists' Exchange when writing.

ASPARAGUS PLUMOSUS NANUS 2½ in., $5.00 per 100, $40.00 per 1000. 3 in., $7 per 100; $60 per 1000.

ASPARAGUS SPRENGERI, 2½ in.; $3.50 per 100; $30.00 per 1000. 3 in. $5.00 per 100; $10.00 per 1000.

FERN, PTERIS TREMULA, 2½ in., $2.50 per 100; $20.00 per 1000. 3 in., $4.50 per 100; $40.00 per 1000. Terms, cash. Address

S. ALFRED BAUR, Erie, Pa.

Successor to HENRY NIEMEYER.

Mention the Florists' Exchange when writing.

AT A BARGAIN!

500 Brideamaid Roses, 3 in., good stock, at $4.00 per 100; the 500 for $18.00 cash.

Palms, Kentia Belmoreana, 2 in., per 100, $7.00; 3 in., per 100, $20.00.

Latania Borbonica, 3 in., per 100, $15.00.

Dracæna Sanderiana, 2 in., per doz., $1.50.

Selaginella Emmeliana, 2 in., per 100, $3.00

Asparagus Sprengeri, fine, 2 in., per 100 $4.00.

Grevillea Robusta, 3 in., per 100, $5.00.

Rex Begonias, 3 in., in 10 good varieties, per 100, $7.00.

SMILAX.

Good Stock, from Pots, at $1.25 per 100; $10 per 1000. *Satisfaction Guaranteed. Cash with order.*

GEO. L. MILLER, Newark, Ohio.

Mention the Florists' Exchange when writing.

A. SPRENGERI

Extra strong plants, from 2½ in. pots, ready for 3 in.

$2.50 per 100; $20.00 per 1000.

The finest stock offered for this price.

JACKSON & PERKINS CO. NEWARK, NEW YORK.

Mention the Florists' Exchange when writing.

PALMS AND BOSTONS

WALTER RETZER & CO.,

2045-59 CLARENDON AVE., (N. Halstedt Street), **Chicago, Ill.**

Mention the Florists' Exchange when writing.

FERNS IN VARIETY

For Dishes, 2¼ in., $3.00 per 100.

Cryptomeria Japonica, Japan Cedar, 2½ in., per 100,		$5.00
Cyperus Alternifolius, 2½ in.	"	2.00
" 3 in.	"	5.00
Grevillea Robusta, 4 in.	"	7.00
Cyclamen Giganteum, in bud, 3 in.	"	7.00
" 4 in.	per doz.,	1.50
I have a few 5 in.		2.50
Baby Primrose, in bloom, fine plants, 5	"	.75
" " "	6 "	1.00

Satisfaction Guaranteed. Low Express Rates.

J. S. BLOOM, - Riegelsville, Pa.

Mention the Florists' Exchange when writing

PALMS

Ferns, Asparagus, etc.

Write for Wholesale Price List.

EMERSON C. McFADDEN, Short Hills, N. J.

U. S. EXOTIC NURSERIES.

Mention the Florists' Exchange when writing.

FERNS For dishes, etc., in 8 of the leading varieties, from 2½ in., $3.00 per 100.

PRIMULA FORBESII In Bloom from 3 in. $4.00 per 100, from 4 in., $8.00 per 100.

Browallia Major, 3 inch, $4.00 per 100.

Cyperus (Umbrella Plants), 2½ inch, $2.00 per 100; 3 inch, $3.00 per 100.

Cash With Order.

JOHN G. EISELE, 20th and Ontario Sts., PHILA., PA.

Mention the Florists' Exchange when writing.

BOSTON FERNS

Pot.	Doz.	100	1000
2½ inch	$0 50	$3.00	$25.00
3 "	1.00	10.00	80.00
4 "	2.25	15.00	
5 "	4.00	30.00	
6 "	5.00	35.00	

N. CORDATA EXALTATA, fine and heavy, 4 inch, $1.75 a doz; $15.00 a 100.

Alternantheras, A. Nana yellow, P. Major red, R Nana pink, 50c. a 100, $4.00 a 1000.

Geraniums, fine assortment all the best varieties 2½ in., $2.00 a 100.

Cash with order.

A. J. BALDWIN, Newark, Ohio.

Mention the Florists' Exchange when writing.

FINE PALMS

LATANIA BORBONICA, from 2½ in. pots $4.00 per 100; 5 in. pots, $7.00 per 100; 4 in pots, $18.00 per 100; $2.40 per 12; 5 in. pots, $35 00 per 100; $4.50 per 12; 6 in. pots, $50.00 per 100; $7.25 per 12; from 8 in. pots and larger, $2.50 each and upwards, according to size.

KENTIA Forsteriana and Belmoreana, from 2½ in. pots, $8.00 per 100; 3 in. pots, strong, $15.00 per 100; 4 in. pots, $30.00 per 100; 5 in. pots, 60.00 per 100, $8.00 per 12; 6 in. pots, $15.00 per 12; from 7 in. up at $1.75 each, and more according to size.

ARECA LUTESCENS, from 2½, 3 and 4 in. pots, at $5.00, $8.00 and $20 00 per 100; 5 in. pots, $40 00 per 100, $6.00 per 12. Fine stock of larger plants from $1 50 upwards. Two fine specimen plants, about 10 ft. high, for $70 00 the pair.

COCOS WEDDELIANA, from 2½ in. pots, $10.00 per 100; 4 in. pots, $25 00 per 100.

PHŒNIX RECLINATA, 4 in. pots, $20.00 per 100; 5 in. pots, $35.00 per 100, $4.50 per 12. Larger plants from $1.00 up.

PHŒNIX RUPICOLA, 6 and 7 inch pots, $1 00 to $1.50 each.

FERNS Assorted, 2½ in. pots, $3.00 per 100; 3, 4 and 5 in. pots at $7.00, $12.00 and $25.00 per 100; Nice large plants, from 50 cts upwards

AZALEAS At $1.50 per 12 and upwards; fine plants in pots including "Deutsche Perle," good for Christmas forcing.

JOHN BAOER, Troy Hill, ALLEGHENY CITY, PA. L. D Telephone, 872a.

Mention the Florists' Exchange when writing.

50,000 BOSTON FERNS

I Make a Specialty of

N. EXALTATA BOSTONIENSIS

Small plants, $4.00 per 100 or $30 00 per 1000; large plants, $6.00 to $20.00 per 100; taken from the bench.

Also in 5 in. pots, $3.00 per doz.; 6 in pots, $6.00 per doz.; 7 in. puts, $9.00 per doz.; 8 in. pots, $1.00 and $1.50 each. Extra fine stock.

—ALSO A FINE LOT OF—

Kentias—Belmoreana, 3 and 3½ inch pots, $3.00 per doz. Forsterianas, 5 inch pots, $6.00 per doz. Larger sizes from 75cts. to $10.00 each.

Azaleas, in flower for Christmas, from 75c. to $2.50 each.

Asparagus Plumosus, 3½ in. pots, $10.00 per 100.

Araucaria Excelsa, 20 to 24 in. high, 5 to 6 tiers, 6 in. pots, $1.50 each; larger size, $2.00 each.

Assorted Ferns for Jardinieres, $3.50 per 100

WM. A. BOCK, No. Cambridge, Mass.

Unknown correspondents will send cash with orders. **Connected with Telephone.**

Mention the Florists' Exchange when writing.

THESE plants have a long thrifty growth and are ready for a shift or immediate sale. They have been grown cool and can be safely shipped to any part of the country.

Boston Fern. From 2½ inch pots, $3.00 per 100; $25.00 per 1000.

Asparagus Sprengeri. From 2½ inch pots, $2.50 per 100; $20.00 per 1000. From 4 in. pots, $1.00 per doz., $8.00 per 100

Asparagus P. Nanus. From 4 in. pots, $1.00 per doz., $8.00 per 100.

Asparagus Tenuissimus. Nice 2½ in. plants, $3 a 100.

Umbrella Plants. 2½ in., $2.50 per 100.

Cycas Revoluta. 7 to 10 leaves. $1.00 each.

Boston Ivy. (A. Veitchii,) Pot grown, $3.00 per 100; $25.00 per 1000.

200,000 Roses. From 2½ inch pots, $2 50 per 100; $20.00 per 1000. Golden Gate, Crimson Rambler, La France, Striped La France, White La France, Mosella, Bride, Maid, Etoile de Lyon, Meteor, White Maman Cochet, Marechal Niel, Pink Maman Cochet, C. Sonpert, Pink Sonpert, The Queen, Muriel Graham, Burbank, Marie Van Houtte, Gen. Lee, Mrs. Degraw, P. Pere, Abel Chatenay, Caroline Marniesse, Yellow Rambler, Empress of China.

Large 2-year-old H. P. Roses, well-branched, shapely plants, average 18 inches high, $1.00 per doz.; $8.00 per 100. Gen. Jacq., Dinsmore, Paul Neyron, Magna Charta, Mme. Masson, Vick's Caprice.

Cash With Order, Please.

THE JOHN A. DOYLE CO., Springfield, Ohio.

Mention the Florists' Exchange when writing.

CLASSIFIED ADVERTISEMENTS.

Terms: Cash with Order.

These Columns are reserved for advertisements of Wants and Stores, Greenhouses, Land, Etc., For Sale or Rent, also Second-hand Materials.

Rate 10 cents per line (7 words to a line), when set solid, without display.

Display advertisements, 15 cents per line (6 words to a line).

When answers are to be addressed care of this office, add ten cents to cover expense of forwarding.

No advertisement taken for less than 50 cents, except Situations Wanted.

SITUATIONS WANTED.

FLORIST.—Maker-up and decorator wants position in city store or commercial place. D. G., care of Florists' Exchange

POSITION wanted by German florist, middleage, single, 28 years' experience in all branches; competent; can take charge. C. Y., care Florists' Exchange.

WANTED.—Position, by competent all-round man, in the seed, plant and bulb or florist line. Moderate wages for permanent position; best references. J. P Hubbard, Red Bank, N. J.

SITUATION wanted by young man, single, age 25 years; seven years' experience growing high-grade roses, carnations, palms, ferns and bedding stock; best references. D. A., care Florists' Exchange.

SITUATION wanted, German, 30, single, strictly sober, 16 years' experience; well up in cut flowers, Easter stock, bedding plants; good propagator. Please state wages. C. N., care Florists' Exchange.

SITUATION wanted, now or later, by a thoroughly practical German, 32, single, well able to take charge of lawn, garden and greenhouse; life experience; good references; private place. Care E Schaefer, 56 Front Street, Rochester N. Y.

GARDENER and Florist.—Single man who understands how to grow violets, carnations and all bedding plants, eight years' experience in this country, would like position as first or second man; first-class references. C. Z., care Florists' Exchange

SITUATION wanted by first-class rose grower and grafter, also up to date in carnations and general stock, capable of taking charge. Have been in last place for 2 years, age 30, German. Eastern States or Chicago preferred; can produce references. Please state wages when writing. Address J. G. Schuhmann, 61 Stockton St., Brooklyn, N. Y.

HELP WANTED.

WANTED at once, an experienced assistant for store work. When applying state wages, give age, married or single, and furnish reference. John Reck, Bridgeport, Conn.

WANTED—Partner with $20,000, in established wholesale seed business in the South. Only concern of the kind in the State. Address for particulars, S. L., care Florists' Exchange.

WANTED, about January 1st, a single, reliable, competent grower on commerical place; steady employment for right man; state experience, wages, etc. Address 349 Lake Ave., Greenwich, Conn

WANTED—EXPERIENCED ROSE grower; section man. Address S. J. Renter, Westerly, R. I.

GOOD all round man to grow carnations and roses, A1 stock. This is a high-class position. Address D. F., care Florists' Exchange.

WANTED—Young girl with some experience in selling, etc. A good steady place for a willing girl. Address, stating full particulars, Le Moult, 436 Fourth Ave., New York.

WANTED.—A good grower of roses, carnations, chrysanthemums, etc., in wholesale and retail place in New York State. State age, where last, $12 per week, with increase if satisfactory. D. C., care Florists' Exchange.

WANTED. — Experienced packer for greenhouse and nursery stock. One with good knowledge of stock preferred. R. & J. Farquhar & Co., 6 and 7 South Market Street, Boston, Mass.

MISCELLANEOUS WANTS.

WANTED to rent, place of from 5,000 to 10,000 feet of glass in good condition; vicinity New York City. Alfred H. Walker Queen, N. Y.

WANTED to lease, with the privilege of buying, a place of 4,000 to 10,000 square feet of glass, suitable for roses and carnations. H. Roekey, Flushing, N. Y.

WANTED for $75 cash, 10,000 well-rooted scarlet double geranium cuttings (no Grants) on or before Feb. 1, 1901. Send list to B. F. Muschert, Penn Valley, Pa.

Mention the Florists' Exchange when writing.

ROSE CUTTINGS! CARNATION CUTTINGS!

ROOTED ROSE CUTTINGS.

	100	1000
BRIDESMAID	$1.50	$12.50
BRIDE	1.50	12.50
GOLDEN GATE	1.50	12.50
METEOR	$1 50	$12 50
PERLE	1 50	12.50

CARNATION ROOTED CUTTINGS.

	100	1000
MRS. LAWSON	$6.00	$50.00
MARQUIS	5.00	40.00
GUARDIAN ANGEL	5.00	40.00
GENEVIEVE LORD	4.00	35.00
PERU	4.00	35 00
CRANE	3.00	25.00
CHICAGO (Red Bradt)	2.00	17.50
TRIUMPH	1.50	12 50
FRANCES JOOST	$1.50	$12.50
ARGYLE	1.50	12.50
CERISE QUEEN	1.50	12.50
EDNA CRAIG	1.50	12.50
EVANSTON	1.50	12.50
GOV. GRIGGS	1.50	12.50
MELBA	1.50	12.50
DAYBREAK	1 50	12 50
AMERICA	$1 50	$12.50
MRS. BRADT	1.50	12.50
ARMAZINDY	1.25	10.00
HILL	1.25	10.00
WHITE CLOUD	1.25	10.00
McGOWAN	1.00	7.50
EVELINA	1.00	7.50

All stock sold under the condition that if not satisfactory it is to be returned immediately, when money will be refunded.

PETER REINBERG, 51 Wabash Ave., Chicago, Ill.

Mention the Florists' Exchange when writing.

MRS. FISHER Carnations for summer flowering, well rooted cuttings, $8 00 per 1000.

ANDREW CHRISTENSEN, - Stoneham, Mass

Mention the Florists' Exchange when writing.

MISCELLANEOUS WANTS.

WANTED—50,000 CALIFORNIA Privet cuttings, 8 ins. long. The Storrs & Harrison Co., Painesville, Ohio.

WANTED.—Cast iron boiler, in good condition, to heat 1,800 to 2,500 feet of glass. P. O. box 65, Farmingdale, L. I.

WANTED.—Lot of second-hand basket pot covers and willow plant stands, assorted sizes, in good order. Must be cheap. Address D. B., care Florists' Exchange.

BUSINESS OPPORTUNITIES.

FOR SALE—Range of greenhouses and five acres of land, near New York City. Houses now filled with violets and carnations. Address D. E., care Florists' Exchange.

FOR SALE.—Greenhouse property for $3200, worth $5000; established 14 years; the only florist near cemetery; 6 greenhouses, 8000 sq. ft. glass, in good order, stacked, heated by hot water; mushroom cellar. 20 miles from New York, 2 minutes from station. Size of land, 295x270 ft. (24 valuable building lots). For particulars, address D. D., care Florists' Exchange.

POTTERY FOR SALE—A SACRAFICE—at Westside Ave., N. J., three miles from New York on C.R.R. of N.J. Especially adapted to making flower pots. Good local market and shipping facilities. C. Robotham, 1069 Broad St., Newark, N. J.

LEGAL NOTICES.

A. T. DE LA MARE PRINTING AND PUBLISHING COMPANY, LIMITED.—The anoual meeting of the stockholders of this Company will be held at the office of said Company, Nos. 2 to 8 Duane Street (Rhinelander Building), in the Borough of Manhattan, City of New York, on the tenth day of January, 1901, at 12 o'clock noon, for the election of a Board of Directors and two Inspectors.

J. H. GRIFFITH, Secretary. A. T. DE LA MARE, President.

A. T. DE LA MARE PRINTING AND PUBLISHING COMPANY, LIMITED.—By order of the Board of Directors the Transfer Books of the above Corporation will be closed on and after January 3, 1901, at 12 o'clock noon, to January 11, 1901, at 12 o'clock noon.

JOSEPH MAOILL, Treasurer. A. T. DE LA MARE, President.

Toronto.

Record-Breaking Christmas.

Christmas business this year has indeed been a record breaker. The weather was about all that could be desired. The trade in plants was better than ever before. Cyclamen, azaleas, fern pans, primulas, begoniaa, ferns, mostly bostoniensia, palms, solanums, ardisias, and poinsettias all were in demand.

In cut flowers there was a big unsatisfied call for American Beauty roses, fine carnations and good violets. Beauty brought $12, $15 and $18 per dozen; violets 75c., $1 and $1.50 per bunch of 25, according to quality and location of store; carnations from 75c. to $2 per dozen. A good demand was experienced for smilax, asparagus and adiantum. There did not appear to be much pickled stock around, though a large quantity of weak-stemmed roses was in evidence. The finest roses noticed came from Dale, of Brampton; they were select Bride and Bridesmaid. Monday was a good day for delivering stock, and plants needed but little wrapping up.

The News.

The suit by S. Nason against the Toronto Floral Co. has been dismissed with costs. The business of the company is now in a prosperous condition. They remodeled their place the past Summer and have built three new houses. Their stock of Begonia Gloire de Lorraine was the best ever seen here; their Boston fern was also exceptionally fine.

T. M.

Boston.

Christmas Trade.

It was a record-breaking Christmas both for business and high prices. There seemed to be a sufficient supply of everything, but there was little of anything left on the bushes at the greenhouses or in the wholesalers' ice chests by noon of Tuesday. The price on Bride and Bridesmaid advanced Monday nearly 100 per cent. over night Sunday, and many growers felt that they had been speculating in stocks, where such advances in 24 hours are frequent occurrences.

The weather was very convenient for delivering plants and flowers. In roses, American Beauty made $12 to $15 per dozen for special grade, while extras, No. 1s and No. 2s, went at $3 per dozen. Brideamaid met a better demand than Bride, but the prices were held about even, the grower almost insisting that the buyer take some white ones at least with every colored rose, and in that way the colored helped to sell the white stock. Fancy special Bride and Bridesmaid realized $4 per dozen; extras $3 and $3.50; No. 1s, $2.00 and $2.50 and No. 2s and smaller from $6 per 100 to $12.50. The supply of President Carnot was very short; fancy specials realized $6 per dozen, extras making $5, No 1 $4. There was a very heavy call for Liberty, but the supply was short. It is the general opinion that if obtainable in goodly numbers and of good quality at this time, Liberty would be the leader for a Christmas rose. A few very fine ones realized $6 per dozen without difficulty, but most of the Liberty seen were of the very short or medium grades, which sold at from $6 to $20 per 100.

Carnations were in pretty good supply and cleaned up well, No. 1 stock selling for $5 per 100 right through, while extras made $6, fancies $8 per 100, and in some cases better prices were obtained for a limited supply of strictly choice flowers. Bright red carnations were the leaders; extra high prices were obtained for G. H. Crane of extra quality, or anything else especially good in that color.

Chrysanthemums were very little in evidence and were rather of poor quality, but pretty good prices were obtained for the few brought in.

Violets proved to be pretty plentiful, after all. Extra violets, double or single, realized $2 per 100, No. 1s making $1.50 and $1.75. A limited supply of extra Princess of Wales brought $2.50. Valley was in good supply, but the demand was not very heavy.

On Sunday and Monday quantities of valley, violets and other flowers were used in funeral work for the obsequies of the late ex-Governor Roger Wolcott, which took place on Monday morning.

Mignonette was in fair supply and sold well at $3 to $6 per 100. Paper Whites and Romans were very plentiful, as was stevia.

Retail stores report the holiday trade ahead of expectations.

Quantities of flowering plants were disposed of—azaleas, principally the brighter colors, poinsettias and colored cyclamen and primroses sold well, and the varieties of Begonia Gloire de Lorraine, though meeting with fair demand, did not clean up so well as many expected. Oranges and ardisias were scarce and in demand.

Jottings.

The regular meeting of the Gardeners and Florists' Club of Boston will be held Tuesday evening, January 1, when it is hoped a large attendance will be present. The regular monthly meeting of the Horticultural Club was held Thursday evening this week, Jackson Dawson presiding.

Welch Bros. received shipments of the rose Queen of Edgely on Saturday last week and Monday this week which were much admired. The firm expects to have daily consignments of this variety from now on. A large Christmas business was done by this concern this year.

Mrs. Wm. J. Stewart met with an accident by falling last week, which resulted in a broken arm.

The supply of greens this year was very light, more especially laurel wreaths, which were about sold out a week before Christmas. Prices advanced considerably on the laurel wreaths; the two ordinary sizes usually sold at $12.50 and $15 per 100 brought $16 and $20 per 100. The holly on the market was of uniformly good quality.

F. J. N.

BRIDGEPORT, CONN.—Christmas trade in general was better than last year. Greens were used in great abundance and prices on these goods were very low. Plant trade was good, with prices on a level with other years. Little demand for palms was experienced, but there was an increased call for flowering plants. The best trade was in cut flowers, carnations and violets taking the lead. While the general selling price of carnations was 35c. per dozen to within a week before Christmas, the value during Cristmas week rose to 75c. per dozen for general varieties, such as Scott and Daybreak; fancy carnations, such as Mrs. T. W. Lawson, G. H. Crane, Mrs. Bertram Lippincott, The Marquis and others, retailed at from $1.50 to $2 per dozen. Begonia Gloire de Lorraine sold well, but will not remain a favorite on account of dropping its flowers when removed to private houses. Poinsettias and azaleas did not sell well. Araucarias and Boston ferns were more favored. On the whole there was an increase of about 20 per cent. in the bulk of trade, with an increase in the prices of cut flowers of about 20 per cent. over those of last year. The price of plants, especially palms, was 25 to 30 per cent. lower than last year.

JOHN RECK.

FOR SALE—GREENHOUSE PROPERTY AT NYACK, N. Y. A plot 220x125 feet, on which are four Rosehouses, 100x18x6, each house heated by a No. 16 Hitchings Boiler, and seven houses, each about 64x11 feet, heated by flues. This property will be sold cheap to quick cash buyer.

HITCHINGS & CO., 233 Mercer St., New York.

Mention the Florists' Exchange when writing.

NOTICE!

TO INSURE SAFE ARRIVAL OF PLANTS in cold weather, customers, when ordering, should give route by which plants should be shipped, and at same time notify agent in their end of line to place box in heated room until same can be called for by consignee.

Agents should be cautioned not to deliver plants except in heated wagon in freezing weather.



NEPHROLEPIS WITTBOLDII.

Strong plants from bench, ready for 3 inch pots, $1.00 each; $10.00 per Dez.; $75.00 per 100.

Kentias.

Varieties.	Size Pot.	Height Ins.	No. Leaves.	Each.	Per Doz.	Per 100
Belmoreana,	2½	8 to 9	3 to 4	$	$ 1.50	$12.00
Belmoreana,	3	10 to 12	4 to 5		2.00	15.00
Belmoreana,	3½	12 to 14	5 to 6	.25	3 00	20.00
Belmoreana,	4	14 to 16	5 to 7	.40	4 00	30.00
Belmoreana,	5	16 to 20	5 to 8	.75	7.20	60.00
" strong,	5	18 to 24	5 to 7	1.00	12.00	90.00
Belmoreana,	6	20 to 22	6 to 7	1.25	15.00	125.00
" strong,	6	26 to 28	6 to 7	1.50	18.00	180.00
Belmoreana,	7	36 to 40	6 to 7	2.25	27.00	200 00
Forsteriana,	2½	8 to 9	3 to 4		1.50	12.00
Forsteriana,	3	10 to 12	4 to 5		2.00	16.00
Forsteriana,	3½	12 to 14	5 to 8	.25	3.00	20.00
Forsteriana,	5	20 to 24	5 to 6	.75	7.20	60.00
" strong,	5	22 to 26	5 to 6	1.00	12.00	90.00
Forsteriana,	6	28 to 30	5 to 6	1.25	15.00	125.00
" strong,	6	30 to 34	6 to 7	1.50	18.00	180.00
Forsteriana,	8	44 to 60	6	3.25	39.00	300.00

Latanias.

Borbonica,	2¼		3		.60	5.00
Borbonica,	3	12	5 to 6		1.00	8.00
Borbonica,	3½	12 to 15	5 to 6	.15	1.50	12.00
Borbonica,	4	15 to 18	5 to 7	.25	3.00	20.00
Borbonica,	5	18 to 22	8 to 7	.50	5.00	35.00
Borbonica,	6	20 to 24	5 to 8	.80	6 00	50.00
Borbonica,	8	24 to 30		.75	9.00	

Arecas.

Variety.	Size Pot.	Height, Ins.	Plants in pot.		Per Doz.	Per 100
Areca Lutescens,	2¼	5 to 6	3		$1.00	$8.00
Areca Lutescens,	3½	12 to 14	3	Ea.	2.00	15.00
Areca Lutescens,	4	15 to 18	3	$0.25	3.00	25.00

Asparagus.

Variety.	Size pot.	Per Doz.	Per 100
Asparagus Sprengeri	2 in.	$0.50	$4.00
Asparagus Sprengeri	4 in.	1.50	12.00

Ferns.

Varieties.	Size pot.	Per Doz.	Per 100
Pteris Serrulata	2 in.	$0.50	$4.00
Pteris Umbrosa	2 in.	.50	4.00
Cyrtomium Falcatum	2 in.		4.00
Cyrtomium Falcatum	3 in.	1.00	8.00
Cyrtomium Falcatum	4 in.	1.50	10.00
Nephrolepis Bostoniensis	2 in.		4.00
Nephrolepis Cordata Compacta, fine plants	6 in.	4.00	30.00

Miscellaneous.

	Each
Araucaria Excelsa, 4 inch	$0.50
Araucaria Excelsa, 4 inch, nice plants	.75
Araucaria Excelsa, 5 inch, nice plante	1.00
Corypha Gebanga, 3 in., 5 to 6 leaves, $3 per doz.	
Curculigo Recurvate, 4 inch	$2.00 per doz.
Curculigo Recurvata, 6 inch	$4.00 per doz.
Cyperus Alterulfolius, 4 in	$1.00 per doz.
Cyperus Alterulfolius, 5 in	$1.50 per doz.
Dracæna Terminalis, 3 in	$2 00 per doz.
Dracæna Terminalis, 4 in	$4 00 der doz.
Dracæna Terminalis, 5 in	$6.00 per doz.
English Ivy, strong, 4 in	$2.00 per doz.
English Ivy, strong, 5 in	$3.00 per doz.

	Pot	Height	Leaves	Each	Doz.	100
Aspidistra Lurida,	5	15-20	8-12	50c.	$5.00	
Cocos Weddeliana	3			25c.	2.00	15.00
Ficus Elastica	6	22-23	12-14	75c.	7.20	$60.00
Ficus Elastica	7	24-28	14-16		10.00	75.00
Maranta Kerchovi-ana	3½				2.00	
Pandanus Utilis	2½	6- 8	10-12		1.00	6.00
Pandanus Utilis	3	8-10	12-15		2.00	15.00
Pandanus Veitchii	8				$3.00	36.00
Pandanus Veitchii	7				2.25	27.50
Pandanus Veitchii, extra fine	5				18.00	
Peperomia Argyræa			4		2.00	
Peperomia Peltata			4		2.00	
Phœnix Reclinata	8		4- 5		1.50	10.00
Phœnix Canariensis	3		4- 6		1.50	10.00
Phœnix Reclinata	10	40-45	6- 8	3.50		Doz.
Sanseviera Java. Var.,	2 in., strong plants					$0.60
Sanseviera Java. Var.,	3 in., strong plants					1.20
Sanseviera Java. Var.,	4 in., strong plants					2.00
Sanseviera Java. Var.,	5 in.					3.00
Zingiber Officinale (Ginger Plant),	4 in.					2.00
Zingiber " " "	5 in.					3.00

THE GEO. WITTBOLD CO., Palms and Ferns, 1657 Buckingham Place, Chicago, Ill.

Mention this paper

Palm Gardens of
W. J. HESSER
Plattsmouth, Neb.,

Wholesale Grower of **Palms, Ferns** and other **Decorative Plants.**

Largest stock in the West. Especially grown for the wholesale trade. Wholesale list to dealers. Send list of your wants and get special low prices.

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A Few Good Things You Want

KENTIA BELMOREANA and **FORSTERIANA**, 2½ in., 10c.; 3 in., 18c.; 4 in., 35c.; 6 in., 50c. each.

ARECA LUTESCENS, 3 in., 3 plants to pot, 18c.; 4 in., 25c. each. All cool grown, nice clean stock, and cannot be duplicated anywhere for the money.

BOSTON FERN, 3 in., $8.00; 4 in., $15.00; 6 in., $30.00 per 100.

SWORD FERN, Nephrolepis Cordata Compacta, 2½ in., $3.00 per 100.

REX BEGONIA, finest varieties, 2½ in., $4.00; 3 in., $6.00 per 100.

CAMPBELL VIOLET and **VINCA VAR.**, 2½ in., $3.00 per 100.

PRIMULA CHINENSIS, 2 inch, $3.00; 3 inch, $4.00 per 100.

CYCLAMEN GIGANTEUM, 2½ inch, $4.00; 3 inch, $8.00 per 100.

ASPARAGUS Sprengeri and **Plumosus**, 2 in., $3.00; 3 in., $8.00 per 100 Cash with order.

CINERARIA, 2 inch, $2.00 per 100.

GERANIUMS, 2 inch, Single Grant, $1.00 per 100; rooted Cuttings, $1.00 per 100.

GERANIUMS, 2 inch, Double Grant, Mme. Bruant, Mrs. E. G. Hill, Poitevine, Bonnat and S. A. Nutt, $3.00 per 100; Rooted Cuttings, $2.00 per 100.

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Certificate of Merit for culture, Penna. Hort. Society, March, 1900.
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ONLY THE BEST GROWN IN THE BEST MANNER

Immense stock free from insects and disease and in the best possible condition.
Send in your Christmas order at once and avoid the rush and disappointment of late orders

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3 plants, 6 inch pot, 24 to 28 inches, $12.00 per doz.; $100.00 per 100.
3 plants, 8 inch pot, 36 inch fine, $3.00 each.

COCOS WEDDELIANA.

1 plant, 3 in. pot, 12 in. high, $25.00 per 100.
plants, 5 in. pot, 18 in. high, $1.00 each; $100.00 per 100

KENTIA BELMOREANA.

4 in. pot,	5 to 6 lvs,	15 in. high,	$4 50 per doz.;	$35.00 per 100	
6 "	6 "	24 "	15.00 "	25 00 "	
8 "	6 to 7 "	30 to 32 in. high		8.00 each.	

KENTIA FORSTERIANA.

4 in. pot,	4 to 5 lvs,	15 in. high,	$4.50 per doz.;	$35.00 per 100	
6 "	5 lvs,	24 to 28 "	$1.00 each;	$12.00 per doz.	
6 "	5 to 6 lvs,	30 "	1.25 "	15.00 "	
8 "	6 lvs,	36 to 40 "	3.00 "	36.00 "	

JOSEPH HEACOCK, Wyncote, Pa.

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Commercial Violet Culture

Price, $1.50. Send for a copy.

A. T. DE LA MARE PTG. & PUB. CO., Ltd.
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ROSE PLANTS

In varieties, from 2½, 3 and 4 inch pots. Write for prices.

	100
Lemon Verbena, 3 in. pots	$4.00
Sanseviera Zeylanica, 3 in. pots	6.00
Asparagus Plumosus, 2½ in. pots	6.00
Asparagus Sprengeri, 2½ in. pots	4.00
Nephrolepis Cordata Compacta, 2½ in.	3.00
N. Cordata Compacta, 8 in. pans...per doz.	6.00
Field-Grown, Scotch Hardy Pinks, at $3.50 per 100; $30.00 per 1000. 6 varieties.	

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4 inch pots . . . . . $2.00 to $3.00 per dozen.
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Boston Fern a Specialty

20,000 Very Fine Plants at $25.00 and $20.00 per 100.

Small plants, $5.00 per 100; $40.00 per 1000.

ASPARAGUS PLUMOSUS NANUS and SPRENGERI.

For 4 inch, at $8.00 per 100.

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Stock plants of Ivory, Bonnaffon, Mrs. Perrin, 50 cts per doz. Merry Xmas, $1.00 per doz.
GERANIUMS, 2½ inch pots..... $2.50 per 100
CUT SMILAX..... 20 cents per string.
Cash with Order.

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25,000 Strong Rooted Runners

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From sand, $5.00 per 1000; from soil, $7.50 per 1000. Samples free.

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The greatest money-getting **PINK CARNATION** ever introduced; a descendant of Wm. Scott, but its superior in every way. A big claim; if you don't believe it, come and see it. Please note change in price of rooted cuttings for January 1st delivery and after: **$6.00 per 100; $50.00 per 1000.** Booking orders now. Deliver any time you say after January 1st, 1901.

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New and old varieties. Write for prices.

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ROSES

Strong, field-grown plants of **White** and **Pink Maman Cochet,** at $10.00 per 100. The finest roses ever introduced for summer blooming.

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Strong plants, grown in 4 in. pots, 3 to 4 feet long, $10.00 per 100.

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NOVELTIES FOR SPRING OF 1901

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OUR INTRODUCTIONS.

Iolantha. An early incurved pink. Best yet produced.

Omega. Second early yellow of the V. Morel type.

Mrs. Elmer D. Smith. A closely incurved Japanese variety. An improvement on Maj. Bonnaffon.

All of the above have been certificated by the C. S. A.

Price: 50 cts. each; $5.00 per doz.; $35.00 per 100. Ready April 1st, 1901.

EIGHT NEW POMPONS.

Possessing new forms and colors and including several light pinks that are very desirable.

ARGENTA, ZEROFF and ROSINA

Are our three **Mizpah Seedlings,** pure white, yellow, and light pink, respectively. These will be valuable additions to the dwarf decorative class.

PHALLENA (Double Mizpah).

The above, 25 cts. each; $2.50 per doz. Ready April 1st, 1901.

We are also booking orders for

TIMOTHY EATON,

the sensation of the season.

50 cts. each; $5.00 per doz.; $30.00 per 100. Ready April 1st, 1901.

We can furnish all novelties that will be disseminated the coming season at introducers' prices.

CHRYSANTHEMUMS.

In EUROPEAN NOVELTIES

We have the following to offer: Miss Anna Hills, Mrs. Coombes, Madeline Davis, Lord Cromer, Walleroo, Miss May Manser, Mrs. Barkley, Mrs. Ritson (White Morel), C. S. A. Cert., Etoile de Feu, Saiome, J. R. Upton, Souv. de Pierre Desblanc, M. Louis Remy, Miss Maude Douglas, M. de Marcero, Mme. Noel Martin, Annie Prevost, Sunset, Miss Alice Byron, Mlle. D'Estienne, Mme. Von Andre (Yellow Mutual Friend), La Saone.

Prices and descriptions on application.

TESTED NOVELTIES OF 1900.

From 2¼ in. pots. Ready Feb. 1st, 1901.

Goldmine, Col. D. Appleton, Orizaba, 10 cts. each; $8.00 per 100.
Monrovia, Lavender Queen, White Bonnaffon, Intensity, Superba and **Walter Molatsch.**
10 cts. each; $6.00 per 100.

Our collection of Chrysanthemums is the most complete in this country, and shall be pleased to submit list of varieties for any special purpose.

CARNATION NOVELTIES.

We are able to furnish any Novelties not listed, at introducers' prices and date of delivery.

Prosperity (formerly known and exhibited as No. 666). Winner of many certificates. $5.00 per doz.; $16.00 per 100.
Gov. Roosevelt. Brilliant maroon, $2.50 per doz; $12.00 per 100.
Norway. Pure white, $1.50 per doz.; $10.00 per 100.
Egypt. Scarlet crimson, $1.50 per doz.; $10.00 per 100.
Lorna. Pure white. Improved White Cloud. $2.00 per doz.; $10.00 per 100.
Mermaid. Salmon pink, $1.00 per doz.; $6.00 per 100.

We shall have a complete list of the recent introductions, including **Mrs. Lawson, Ethel Crocker, G. Lord, Morning Glory, The Marquis,** etc. Also such standard sorts as **Flora Hill, G. H. Crane, White Cloud, G'l Maceo,** etc.

Our **Preliminary List** is now ready and free to all applicants. It contains brief descriptions of the best **Novelties** offered in **Chrysanthemums, Carnations, Cannas** and **Geraniums,** and all standard varieties of commercial value.

NEW CANNAS.

Do not fail to secure stock of the two new Hybrid Orchid-flowered Cannas **PENNSYLVANIA and MRS. KATE GRAY,** also the cream of **Crozy's** most recent introductions, such as **Countess de Bretenil, Mme. Louis Druz, Souv. de Mme. Hardy, Chas. Molin, J. Aynard, C. Brevot** and **Mme. Alfred Blanc.**

In standard varieties we have a large stock of the following and other favorites: **Alph. Bouvier, Chas. Henderson, Burbank, Queen Charlotte, Martha Washington, Egandale,** etc.

The Famous New Rose "QUEEN OF EDGELY"

Orders booked now for Spring delivery. Strong plants, from 2½ in. pots, $1.00 each; $9.00 per doz.

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Of recent introductions, including the **three Tom Thumbs: MARS, AMERICA** and **LITTLE PINK.**

The following from 2¼ in. pots. **Ready now.** 15 cts. each; $10.00 per 100:
Mme. Landry. Semi-double Bruant, apricot salmon.
Jean Viaud. Semi-double Bruant, beautiful shade of bright rose. A magnificent variety.
Emanuel Arene. Rich scarlet, with large, pure white eye. Double.
Richelieu. Double crimson. A grand acquisition.

We have many others of decided merit. We also have a large stock of the best bedding varieties ready for immediate shipment.

Our Collection of PELARGONIUMS
Will include several fine Novelties.

NATHAN SMITH & SON, Adrian, Mich.

Mention the Florists' Exchange when writing.

IF YOU NEED ROSES
send us your list for prices.
THE C. A. REESER CO.
URBANA, OHIO.
Wholesale Rose Growers
Mention the Florists' Exchange when writing.

ROSE "SNOWFLAKE" is one of the best payers on market yet; white, useful as a cut flower, for fine design work, also for pot culture easy to raise, easy to propagate ever blooming. Cuttings transplanted, one size, per 100, $10.00. Sample box, containing 8 plants, $1.00.

Asparagus Sprengeri Seeds, Fall, 1900, per 1000 seeds, $3.00.

ALBERT KNAPPER, Clematis, Frankford, PHILA.
Mention the Florists' Exchange when writing.

ROBT. CRAIG & SON,
ROSES, PALMS, CROTONS,
...CARNATIONS...
and Novelties in Decorative Plants.
Market and 49th Sts., PHILADELPHIA, PA.
Mention the Florists' Exchange when writing.

ROSES For Spring Blooming.

The proper sorts. Clothilde Soupert, Gen. Jacqueminot, La France, Coquette des Blanches, Coquette des Alps, etc., fine 1 and 2 year field-grown plants that have never been forced, suitable for 5 inch pots, at 5c. Some extra strong, suitable for 6 and 8 in. pots, at 9c.

Large-Flowered Clematis, for forcing. Purple, White and Lavender sorts, from 5 inch pots, 18c.

Clematis Paniculata, fine 3 year plants, 10c.; fine 2 year, at 8c. Packing free for Cash. Also some sound second-hand 3 and 4 inch Pipe to offer, cheap.

W. H. SALTER, Rochester, N. Y.
Mention the Florists' Exchange when writing.

GRALLERT & CO.

Carnation Growers,

Send for Trade List. STANDARD VARIETIES, LEADING NOVELTIES.

COLMA, San Mateo Co., CAL.

Mention the Florists' Exchange when writing.

Crimson Rambler and Vinca Major Var.

Field grown Crimson Rambler, 2 yr., with lots of fibrous roots, 3½ to 4 ft., $1.50 per doz.; 50 for $6.00.

Extra strong Vinca Major, variegated, $6.00 per 100, 200 for $10.00, with several shoots, fit for 5 and 6 in. pots.

Spiræa Anthony Waterer, for Easter, 2 yr., at $1.00 per doz.; **D. Grnellis,** 2 yr., same price.

Mayflower and **Lorrilinrd Tomato,** plants for forcing, $2.00 per 100. Cash, please.

BENJ. CONNELL, Florist, West Grove, Pa.
Mention the Florists' Exchange when writing.

100,000 R. C. CARNATIONS

Ready to Ship.

	Per 100	Per 1000
A. Mitting, light cream, 4 in. bloom, 1901	$10 00	
Mrs. A. Mitting, clear pink, fine, 3½ in. bloom, 1901	10 00	
De Roo Mitting, a fine white, 3 in. bloom, 1901	10 00	$75 00
Mrs. Thos. W. Lawson	7 00	60 00
Olympia	5 00	40 00
Genevieve Lord	4 00	35 00
E. Crocker	4 00	35 00
Morning Glory, the coming Daybreak	4 00	35 00
Mrs. G. M. Brndt.	3 00	25 00
G. H. Crane	$3 00	$25 00
America	3 00	25 00
Gold Nugget	3 00	25 00
Gen. Maceo	2 50	20 00
Geo. Gomez	2 00	15 00
White Cloud	1 50	12 00
Peru	1 50	12 00
Mrs. F. Joost	2 00	15 00
Flora Hill	1 50	12 00
Argyle	1 50	12 00
Daybreak	1 50	12 00
Wm. Scott	1 25	10 00
Armazindy	1 25	10 00

25 cuttings at 100 rates; 250 at 1000 rates. Cash or C. O. D.

THE MORRIS FLORAL CO., Morris, Ill.

ROSES STRONG, TWO-YEAR, FIELD-GROWN.

CRIMSON RAMBLER, extra strong, $12.00 per 100. HYBRID PERPETUAL, in fine assortment, $10.00 per 100; $90.00 per 1000; second size, $8.00 per 100; $50.00 per 100; these are well-rooted, good stock, but not quite heavy enough to go in first grade.

AZALEAS

Stock in excellent shape, well set with buds

10 to 12 inch crowns	$35.00 per 100
12 to 14 inch crowns	45.00 "

SPIRÆAS

Japonica	$3 00 per 100
Astilboides Floribunda	4 00 "
Nana Compacta	5.00 "

PALMS

Kentia Belmoreana

2½ inch pots	$8.00 per 100; $75.00 per 1000
3 inch pots, 4 and 5 leaves	$15.00 per 100
4 inch pots, 14 to 16 inches high	30.00 "
5 inch pots, 18 inches high	60.00 "
5 and 6 in. pots, 18 to 23 in. high	75.00 "

Areca Lutescens

2½ inch pots	$6.00 per 100; $50 00 per 1000

PALMS

Kentia Forsteriana

2½ inch pots	$10.00 per 100
3 inch pots, 12 inches high	15.00 "
4 inch pots, 15 to 18 inches high	35.00 "
5 inch pots, 18 to 22 inches high	50.00 "
5 and 6 in. pots, 24 to 28 in. high	75.00 "

ASPARAGUS

Plumosus Nanus, 2½ inch pots	$5.00 per 100
3 inch pots	6.00 "
4 inch pots	12.00 "
Sprengeri, 2½ inch pots	3.00 "
3 inch pots	5.00 "
4 inch pots	8.00 "

BOSTON FERNS

Strong, 2 in. pots, $3.00 per 100; $25.00 per 1000

THE STORRS & HARRISON CO. PAINESVILLE, OHIO.

CRIMSON RAMBLER ROSES

Especially adapted for FLORISTS' FORCING.

These plants have fibrous roots, are easily potted, and produce more bloom than bushes with stiff, straight roots **$12.00** per hundred; extra size, **$15.00.**

THE CONARD & JONES CO., West Grove, Pa.

Mention the Florists' Exchange when writing.

NO EXPERTS NEEDED TO GROW THESE TWO TO PERFECTION.

NEW CARNATIONS

ADMIRAL CERVERA

A yellow and red striped, large flower, with fine stem; splendid grower and fine bloomer; beautiful keeper and splendid shipper.

COETHE

A lovely light pink (in place of Daybreak), very large, fragrant flower, easy to grow and an early and continuous bloomer; will easily lead in its class. A splendid seller over the commission or retail counters.

Both of these varieties are in perfect health, and as they are two distinct colors you will need, you will make no mistake in trying them. Come and see them; it will pay you. Cuttings will be delivered as soon as ready.

$2.00 per doz.; $10.00 per 100; $47.50 per 500; $90.00 per 1000. **C. BESOLD, Mineola, L. I., N. Y.**

Mention the Florists' Exchange when writing.

Our Introductions of New Carnations for 1901

...THE BIG FOUR...

SUNBEAM Extra bright flesh pink, early, free and continuous bloomer. Flowers of good form and size, borne on long stiff stems. $1.50 per doz., $10.00 per 100, $75.00 per 1000.

BON HOMME RICHARD White. Extraordinarily free bloomer; fine form, good size. Stems 2½ to 3 feet long. $1.50 per doz., $10.00 per 100, $75.00 per 1000.

NYDIA Variegated. Salmon stripe on white ground. Quick seller, extremely free bloomer, fine form and stiff stem. $1.50 per doz., $10.00 per 100, $75.00 per 1000.

PROLIFICA Cerise pink. Very long stiff stems, large flowers, and as its name indicates, an extra free bloomer. $1.50 per doz., $10.00 per 100, $75.00 per 1000.

First lot of the above varieties ready February first.
Rooted Cuttings of standard varieties ready January first.

WRITE FOR DESCRIPTIVE CATALOGUE.

CHICAGO CARNATION CO., Joliet, Ill.

Mention the Florists' Exchange when writing.

...OTHER VARIETIES...

	Per 100	Per 1000
Mrs. Thos. W. Lawson, cerise pink	$7.00	$60.00
Olympia, variegated	5.00	40.00
Marquis, pink	5.00	40.00
Genevieve Lord, pink	5.00	40.00
Ethel Crocker, pink	4.00	35.00
Morning Glory, light pink	4.00	35.00
Mrs. Geo. M. Bradt, variegated	3.00	25.00
G. H. Crane, scarlet	3.00	25.00
Chicago, scarlet	3.00	25.00
America, scarlet	3.00	25.00
Gold Nugget, yellow	3.00	25.00
Gen. Maceo, crimson	2.00	15.00
Gen. Gomez, "	2.00	15.00
White Cloud, white	2.00	15.00
Mrs. Frances Joost, pink	2.00	15.00
Mrs. Jas. Dean, pink	2.00	15.00
Jubilee, scarlet	2.00	15.00
John Young, white	1.50	12.00
Flora Hill, white	1.50	12.00
Argyle, cerise pink	1.50	12.00
Daybreak, light pink	1.50	12.00
William Scott, pink	1.00	8.00
Evelina, white	1.00	8.00
Armazindy, variegated	1.00	8.00

MRS. FISHER CARNATION

Rooted Cuttings, $1.00 per 100; $7.50 per 1000. Cash with order.

G. FR. NEIPP, Borough of Queens, Aqueduct, N. Y.

Mention the Florists' Exchange when writing.

CARNATIONS

F. DORNER & SONS CO., La Fayette Ind.

Mention the Florists' Exchange when writing.

THE MAN WAS RIGHT

When he said **ETHEL CROCKER**

is absolutely the best Pink Carnation ever offered to the trade; those that are growing it are more than satisfied; every Florist should grow it next year. Fine healthy Rooted Cuttings, now ready, $4.00 per 100; $30.00 per 1000. Cash with Order.

W. W. COLES, - KOKOMO, IND.

Mention the Florists' Exchange when writing.

ETHEL CROCKER

WHEN store men telegraph that they must have some Crocker for their customers, and commission men beg for consignments, in spite of the fact that there are plenty of other pinks on the market, it is a pretty sure sign that Crocker has some points of merit distinctive from the others and that there is an unfilled demand for the flower.

With the largest stock of this variety grown by any one grower in the country, I can fill your orders with carefully selected cuttings at **$4.00** per 100 or **$30.00** per 1000.

Send for list of other varieties.

ALBERT M. HERR, Lancaster, Pa.

Mention the Florists' Exchange when writing.

THE LAWSON CARNATION

Is rapidly demonstrating its **commercial value** all over the country. My stock is in **excellent condition, healthy** and **vigorous**. Rooted cuttings ready **now** or for **later delivery.**

Price, per 100, $7.00; per 1000, $60.00.

Terms strictly cash from unknown parties.

The demand will be heavy. Send all orders direct to

PETER FISHER, - Ellis, Mass.

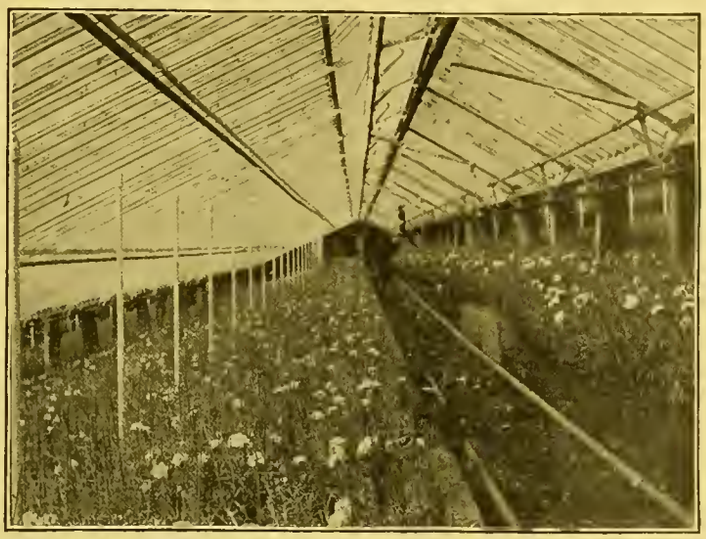
NO AGENTS.

Mention the Florists' Exchange when writing.

QUEEN LOUISE CARNATION.

This New Carnation produces the finest flowers, is perfectly healthy, and is the best white variety ever introduced.

IT BLOOMS EARLY. IT BLOOMS LATE. IT BLOOMS ALL THE TIME.



From photograph of Queen Louise taken October 28th, 1900.
For other cuts see last two papers.

Our price list contains cuts from photographs taken every two weeks during the months of February, March, April, May, June, October and November.

No other Carnation can stand such a test.

Rooted Cuttings ready Feb. 15th. Price, **$10.00 per 100; $75.00 per 1000.**

Come and see it or send for circular. J. L. DILLON, Bloomsburg, Pa.

Mention the Florists' Exchange when writing.

LOOK! LOOK!!

15% Discount, booking orders of

CARNATION CUTTINGS

For price and kinds, see our ad. on page 1214, last issue.

DANA R. HERRON, Olean, N. Y.

Mention the Florists' Exchange when writing.

ROOTED CUTTINGS

CARNATIONS.

	Per 100	Per 1000
IRENE., 75 cts. per doz.;	$10 00	$75.00
MRS LAWSON	5.00	.....
ETHEL CROCKER	5.00	.....
MARQUIS	4.00	.....
GENEVIEVE LORD	4.00	.....
G. H. CRANE	3.00	25.00
MRS. GEO. M. BRADT	2.50	20.00
EVANSTON	2.00	17.50
WHITE CLOUD	1.50	12.50
FLORA HILL	....	.....
DAYBREAK	....	.....
TRIUMPH	....	.....
JOOST	....	.....
ARMAZINDY	....	.....
TIDAL WAVE	....	.....
WM. SCOTT	1.00	8.00

ROSES.

KAISERIN	1 50	12.50
LA FRANCE	....	.....
METEOR	....	.....
PERLE	....	.....
BRIDESMAID	....	.....
BRIDE	....	.....
GOLDEN GATE	2.50	20.00

GEORGE REINBERG,
51 Wabash Ave., CHICAGO.

Mention the Florists' Exchange when writing.

THE LARGEST FANCY CARNATION. READY MARCH 1st.

PROSPERITY

All Orders Filled in Strict Rotation.

PRICES FOR ROOTED CUTTINGS.

1 Plant	$0 50	50 Plants	$10 00	500 Plants	$70 00
12 Plants	5 00	100 "	16 00	750 "	101 25
25 "	8 25	250 "	37 50	1000 "	130 00

WRITE FOR FULL DESCRIPTION.

DAILLEDOUZE BROS., - Flatbush, N. Y.

Mention the Florists' Exchange when writing.

THE FLORISTS' EXCHANGE, $1.00 A YEAR.

New Volume Begins Next Issue. Subscribe at once.

FOUNDED IN 1888.

THE FLORISTS' EXCHANGE

A Weekly Medium of Interchange for Florists, Nurserymen, Seedsmen and the trade in general.

Exclusively a Trade Paper.

Entered at New York Post Office as Second Class Matter

Published EVERY SATURDAY by

A. T. DE LA MARE PTG. AND PUB. CO., LTD.,

2, 4, 6, 8 Duane St., New York.

P. O. Box, 1697. Telephone 1854 John.

REGISTERED CABLE ADDRESS: Florex, New York.

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BOOKS.

The publishers of The FLORISTS' EXCHANGE are headquarters for all standard books pertaining to the Florist, Nursery and Seed interests. Catalogue sent free on application.

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The next regular meeting of the Dutchess County Horticultural Society will be held on Wednesday, January 2, 1901, at 1:30 o'clock, at the Y. M. C. A. rooms, Poughkeepsie, N. Y. Election of officers will take place and arrangements be made for the annual dinner. W. G. G.

H. J. Jones, an English grower, uses paper plant houses for his surplus stock of chrysanthemums cultivated for exhibition cut flowers, with immense success. The structure is made of light framework and waterproof paper. After dismantling the paper can be readily stored in a dry shed, and will last several seasons.

The German papers speak highly of a dwarf helianthus named Perkeo which is being introduced by Frederick Roemer, Quedlinburg. The plant is extraordinarily floriferous, and the flowers are of the pretty color of those found on Helianthus cucumerifolius, with a velvety black center. It has been found suitable for cut flowers, as well as for pot plants, and grows freely in the open air.

The Year 1900.

The closing year of the century has been a remarkable one in several respects so far as the horticultural trade is concerned. Viewing it from a business standpoint, it may be characterized as erratic. The opening days of the year were ushered in, accompanied by the general prosperity then prevailing, a condition which continued until the usual upheaval, occasioned by the presidential election, when business stagnated somewhat, and from which setback it has not yet fully recovered. Then, too, the peculiar climatic conditions experienced this year have had their influence on the volume of trade done, these tending to a material shortening of the "season." The Paris Exposition, also, created a greater exodus than usual of the flower-buying public, although this factor was counterbalanced to some extent by an increased steamer business.

Easter trade, however, showed an advance of from 40 to 50 per cent. in the business transacted, while the past Christmas trade has shown a similar increase, with a much greater demand for cut flowers than has been experienced at this holiday for some years back.

Greenhouse building has been quite active during the twelvemonth, notwithstanding the abnormally high prices of the necessary materials remain.

Progress in securing new varieties of commercial plants has kept pace with that of former years. In carnations many new kinds have been announced, but as the standard of quality keeps on advancing, the number of varieties considered worthy has been limited. Among the kinds that have succeeded in meeting the requirements of the American Carnation Society were Governor Roosevelt (Ward), Prosperity or No. 666 (Dailledouze Bros.), Enquirer, Estelle and Elinore (Witterstaetter), and Mrs. Bertram Lippincott (Kuhn). Some promising varieties are on the tapis for exhibition at the forthcoming show of the Carnation Society, to be held at Baltimore in February next.

Our chrysanthemum hybridizers are continuing their good work. The varieties receiving the certificate of the Chrysanthemum Society of America as commercial sorts were as follows: Iolantha (Smith), Prosperity (Peerless) (Hollis), Omega (Smith), Jos. W. Cook (Cook), D. Josephine (Kleinheinz), Brutus, Yanariva, Mrs. W. B. Chamberlain, Chestnut Hill (May), Nellie (Rieman), Mrs. Elmer D. Smith (Smith), (No. 19) Golden Fame, (Molatsch), Malcom Lamont and Mary Hill (Hill & Co.), Timothy Eaton (Miller & Sons).

The list of cannas has been increased by several very valuable kinds, the work of improvement for the most part taking place in Pennsylvania.

Dahlias are still gaining in popular favor, thanks to the efforts of the American Dahlia Society, recently reorganized, and which now seems to be on a better working basis.

The American Rose Society held its first exhibition in New York City the present year, which was attended with remarkable success, both from an exhibition and patronage standpoint. The high quality of the stock exhibited, particularly from places outside of the metropolis, was indeed a revelation to many. The society certificated the following varieties, viz.: Queen of Edgely, or the Pink American Beauty (Floral Exchange), Robert Scott (Scott & Son), Baltimore (Cook). The second exhibition was held by the society in June, but owing to the unfavorable weather conditions the show was not a pronounced success, although most instructive as demonstrating the progress making in the obtaining of new varieties by American hybridizers. The society intends to continue its exhibitions during the year 1901, and will hold a show in March next in the Waldorf-Astoria Hotel, New York.

Among new varieties of roses of American origin registered this year are: New Century (Conard & Jones), Sweetheart, Debutante, Flush o' Dawn (Walsh), Pan-American (Henderson & Co.), and Freedom (Griffin).

The Society of American Florists and Ornamental Horticulturists had one of the most successful gatherings and exhibitions in its history in New York City this year. Its membership list was greatly increased thereby, and now stands, according to the latest report, at 816, including 32 life members. Agitation was set on foot at this meeting for securing a home for the society, and there is also hopes that a national charter will be forthcoming in the near future.

The nursery trade has been particularly active, and an advance of from 10 to 25 per cent. on the values of some articles experienced.

The American seed trade has been favored with an exceptionally good business year, partly due to shortages that have existed in several lines, particularly in the wax varieties of beans and the early peas, carrots, beets and American-grown varieties of turnips; and in foreign seeds, in radish and turnip. The demand was good all along the line and there do not appear to be any large surpluses. Corn has been as plentiful as any stock. The recent sharp advance in the price of onions will doubtless tend to stiffen values of onion seed. There does not at present appear to be any necessity for sacrificing anything the coming year. The fight against government free seed distribution goes on with increased vigor.

Among subjects which have more or less occupied the attention of the trade during the past year have been the progress made in the growing of bulbs in America, some demonstrations of the capabilities of home-grown stock having been satisfactorily presented.

Some of our carnation enthusiasts have shown how simple a matter it is for a carnation to be awarded 100 points, and for the first time in its history the divine flower has been adopted as a party emblem in national politics. Carnation growers are doing their utmost to establish a standard by which new varieties may be judged, so that decisions thereon shall be more uniform than has been the case recently.

In respect to uniformity of judging by scale, the work of the committees of the Chrysanthemum Society of America shows most wonderful results, due, no doubt, to the retention of the members of the several committees, or the greater portion of them, from year to year, and the experience thereby gained, also to the intelligent interpretation of the scales employed.

An effort is now making, and is likely to be successful, to have the Chrysanthemum Society of America meet at some point during the chrysanthemum season, instead of in August, as is usual now—a custom which does not seem to be productive of the best results.

The flower shows have received greater attention from the daily newspapers of the country than in former years, and on this account several of the exhibitions have achieved a greater success than was the case formerly. There is no apparent diminution in the popularity of the chrysanthemum, and it would seem expedient to foster that interest as much as possible by a continuation of these shows. New York City will, after a number of years, give an exhibition in the Fall of 1901, and an endeavor will be made to surpass then all previous attempts in the flower show line.

The literature of the trade has been augmented, during 1900, by the following books: Amateurs' Practical Garden Book (Huna and Bailey); the second volume of the Cyclopedia of American Horticulture (Bailey); Hedges, Windbreaks, etc., (Powell); and Plant Culture, (Oliver).

Death has removed, during the past year, some of our ablest associates. Of well-known men in the florist trade, there are inscribed on the 1900 death roll the names of John M. Jordan, Louis Menand, John Breitmeyer, Harry Dale, Alfred Nenner, Henry Miller, Wm. McKellar, Wm. J. Palmer, Archibald Middlemass and C. F. Baker; the retail trade has suffered great loss in the passing away of such prominent members as John M. Hodgson, Henry Butler and Michael Butler; the nursery trade laments the demise of such faithful workers as Isaac Hicks, Robert C. Brown, T. T. Lyon and David G. Yates; the seed trade, C. C. Morse and C. H. B. Breck; horticultural literature and applied botany, E. S. Carman, and ornamental horticulture, William Saunders.

The year 1900 has also witnessed one of the greatest disasters that has ever befallen a city in the devastation caused by the Galveston flood, by which thousands of lives were lost and much valuable property destroyed, the florists suffering with other dwellers in that ill-fated spot. To the credit of the trade generally, we are glad to be able to state that with characteristic generosity valuable assistance was rendered the distressed brethren, both financially and in kind.

The miners' strike in the anthracite coal district occasioned some little bother among florist users of that fuel.

Among subjects that will occupy the attention of the trade for the coming year will be the great Pan-American Exposition to be held at Buffalo, N. Y. Horticulture promises to be one of the principal features there, and everything points to a most successful display of trade products on that occasion, to view which a splendid opportunity will be afforded the craft, as the S. A. F. O. H. will meet in Buffalo in 1901.

Plant growers will look for something to beat the varieties of Begonia Gloire de Lorraine as all-round, serviceable subjects; the cause of stem rot in carnations will still be earnestly and persistently inquired for; greater efforts should be made to secure local coöperation in the purchase of coal and other supplies; more practical work, consequent upon better attendances at our florists' clubs, should ensue; the trade will exhibit its old-time and imperative interest in the annual and periodical flower shows; a better knowledge of how to handle and store cut carnation blooms will be acquired through discussion of the subject; greater uniformity in the prices of cut flowers and plants is sure to follow coöperation along this line; the prevailing credit system (or lack of system) must be overhauled and placed on a safer and more satisfactory footing; increased attention will be given to the production of American orchids, necessitated by the diminishing supplies available from tropical sources; the auxiliary societies will give some thought to "closer relations" being established between them and the S. A. F., and plant shippers will conclude whether the present custom shall continue or a charge be made for packing.

THE FLORISTS' EXCHANGE feels gratified at the continued encouragement and support accorded by the trade, by which we are enabled to retain the leading position we have long occupied among class journals pertaining to this industry, and which the past year has been strengthened by the issuance of daily editions of THE EXCHANGE during the S. A. F. O. H. convention in New York—a feat not heretofore accomplished in horticultural journalism. For the confidence reposed in us we return sincere thanks. Our every endeavor shall be directed toward meriting the continuance of that confidence; your interest shall at all times be our interest, and the advancement and ennobling of the profession the highest aim of both.

In conclusion we wish one and all A Happy and prosperous New Year, and may the new century which is about to dawn upon us be fraught with successful achievements far excelling those that have marked the past one hundred years, wonderful and glorious as these have been—deeds that shall but reflect the higher intelligence and the greater progressive spirit of our florists, developed by the experience of the passing years.

Schedule-Making.

The reports of the several suits arising from faulty schedules appearing in the English horticultural papers are not without interest in this country, and although we do not have in mind at this time any case that has necessitated the bringing of it into court for adjustment, yet there faces us a contingency of this nature under similar circumstances—that is, where perspicuity in the schedule is wanting and unjust decisions rendered in accordance therewith.

At a recent show in England a prize was offered for a "plate of six heaviest tomatoes" and awarded accordingly. Later the decision was changed to conform to a deduction that the word "heaviest" should also be taken to embrace "ripeness," the award was reversed, and the prize given to another party. The case was brought into court, and the judge, holding that the schedule having announced the decision of the exhibition judges as final, and such decision having been publicly made, decreed that the first award could not be altered except by legal process; he therefore granted judgment in favor of the plaintiff for the amount claimed, with costs.

Makers of schedules should at all times

see to it that the rules and regulations affecting both competitors and judges will admit of but one construction, and to this end such rules ought to be as explicit as possible.

Commenting on this subject in a recent issue of American Gardening, President O'Mara makes a few very good suggestions, which could be carried out in practice with beneficial results to all parties interested. He says:

"In preparing schedules it seems to me committees should differentiate in formulating rules governing exhibitions between those which apply to the committees of the society giving the exhibition and the judges who are to decide upon the exhibits. As a rule, they are grouped together under one head, and it is very often difficult for the judges to determine where their duties begin and where they end according to said rules. Some schedules announce the fact that the decision of the judges is final, others omit it, and it seems to me that it would be well to have it on all schedules.

"It might not be a bad idea to arrange for a committee of the society giving the exhibition to hear protests and pass upon them before the decision of the judges would be accepted as final, and stipulate a time, say one hour after the award is made, in which to file a protest. I know from personal experience that frequently judges do not have the time necessary to thoroughly and accurately perform the duties of their position, consequently errors of detail are made. An examining committee should be appointed out of the society giving the exhibition which would thoroughly scrutinize every exhibit and see that it came within the rules laid down by the society. The duty of passing upon such questions should not, in my opinion, be thrust upon the judges. A schedule before me, for instance, says: 'Each variety exhibited shall be properly and plainly labeled by card.' It seems to me that it would be better to have that rule read as follows: 'Each variety exhibited for competition must be properly and plainly labeled by card, otherwise the entry will be rejected.' The rule then states the kind of card required. Another rule says: 'All plants and pots shall be cleaned before being brought to the hall.' Now, they might have been cleaned six months before they came to the hall, and yet be very dirty when they arrived there. It would be better, I think, to have the rule read as follows: 'All plants and pots must be perfectly clean when exhibited, otherwise the exhibit will be rejected.' Another rule says: 'Any article manifestly unfit to show may be excluded by the committee, and the judges shall withhold any premium when the entries are unworthy of awards.' Here the duties of the committee and the duties of the judges are combined in one rule. If the article is manifestly unfit to show, the committee should not accept the entry. Another rule in another schedule says: 'All pots or tubs of exhibition plants must be clean; dirty pots or tubs may be sufficient cause for the judges to disqualify the exhibit.' This is properly work for an examining committee, not for the judges, and it should be emphatic; it should state that they should not be exhibited and would not be accepted or allowed into the exhibition by the committee. Another schedule says: 'All awards will be passed on merit alone.'"

There seems to be too great a proneness on the part of schedule makers to copy rules and regulations governing exhibitions other than their own, hence the great similarity and indefiniteness of many of the specifications. As Mr. O'Mara points out, the penalty for failure to conform is not in many instances stated (although it may be implied) along with the rule itself. Then, too, a clause providing for the consent of the exhibitors to the rules and regulations prescribed should always be inserted. This is omitted in many premium lists.

The rules should, we think, follow in some sort of sequence, beginning with the demands of the show management as to the condition of the exhibits before acceptance as such, and gradually leading up to the making of the awards and their final disposition. Very many of the rules in the present-day schedules are compiled on the "hit-or-miss" plan, a rule having been stuck in here and there as it occurred to the schedule makers. If the rules and regulations could be grouped in some methodical manner according to their application—that is, those governing plant exhibits and those having reference to cut flowers each by themselves—how much easier the interpretation of the whole would be, both for exhibitors and judges.

In making up a schedule the fact should never be lost sight of that failure to carry out the provisions therein stated on the part of the society or the exhibitor is amenable to legal jurisdiction, hence the great necessity of avoiding complications, and as far as possible rendering the construction of and conformity to these rules and regulations as clear and simple as can be.

CHANGES IN BUSINESS.

TOWNSEND, VT.—R. B. Brigham has sold his greenhouse.

PLYMOUTH, MASS.—E. F. Shaw has taken down his greenhouses and gone out of the florist business.

FARGO, N. D.—A. T. Shotwell has purchased the greenhouse of the North Dakota Floral Co., of which A. Norlander was proprietor.

DERRY, N. H.—William F. Madden has bought the Cullen greenhouses at West Derry and is managing them on his own account. He will enlarge the plant in the Spring.

RIVERSIDE, CAL.—The Chase Nursery Company, which filed articles of incorporation with the county clerk some time ago, on December 15 placed on file amended articles. The company has a capital stock of $50,000, all of which is paid up.

UPTON, MASS.—Henry O. Harrington and Libby C. Fisk have started in the florist business here, under the style of the Oak Grove Nurseries. The first-named gentleman has been an enthusiastic amateur flower grower for the past 20 years. Another greenhouse, 50 x 12 feet, will be added.

ALBANY, N. Y.—William C. King & Co. have succeeded to the business formerly conducted by Samuel Goldring at 30 North Pearl Street. William C. King, who is the son of George King, superintendent of the greenhouses at the executive mansion, will be the managing partner of the new company. Mr. King has been in the wholesale florist business for several years, having his extensive greenhouses on Yates Street.

FIRES.

BARRIE, ONT.—Fire occurred in the greenhouses of Frank Brown on December 14, doing much damage. Mr. Brown, during the fire, had the misfortune to fall upon some sharp object, inflicting a painful wound on his left hand. His loss, coming just at the holiday time, is very considerable, and as a result he will be out of business for a time at least.

ASTORIA, N. Y.—The greenhouse of Benjamin Wm. Sill, of Astoria, Long Island City, was totally destroyed with all its contents by fire Sunday night, December 16. Young Sill is an enthusiast in floriculture, and hoped from a small beginning to make a great ending. The house contained nearly 3,000 plants under culture for the Spring plant trade. Among those destroyed were some choice and presumably valuable novelties, which had their origination there, and were being guarded with jealous care. The following is a partial list: A yellow flowering semperflorens begonia, a sport from Semperflorens alba, the flowers being twice as large and a distinct yellow. This sport was in process of seeding and was valued highly. Next to that was a new salvia, a sport from Salvia Silverspot, the center of leaves yellow to creamy white, with a perfect margin of green. One new seedling begonia of special promise, a cross between Semperflorens alba and begonia Vulcan. This plant surpassed in attractiveness all the other begonias in the house, not excepting Gloire de Lorraine. Four new foliage geraniums were also made extinct by the conflagration. There was no insurance on the property, and Mr. Sill is without means to rebuild and restock.

SUBSCRIBER.

OBITUARY.

Thomas A. Williams.

Prof. Thomas A. Williams, assistant agrostologist of the Department of Agriculture, and widely known as a botanist, died at his residence in Tacoma Park, near Washington, on Sunday, December 23. He was born at Weeping Water, Neb., 35 years ago, and came to the Department of Agriculture four years ago from the South Dakota State Agricultural College, where he occupied the chair of botany. He was editor-in-chief of the *Asa Gray Bulletin*, a botanic periodical published in Washington, and professor of botany at Columbian University.

Edwin J. Glover.

Edwin J. Glover, Utica, N. Y., died suddenly December 17. He was born near Newcastle, England, in 1840, and came to the United States in 1858. During the Civil War he enlisted in the 146th Regiment of New York Volunteers, and participated in the battles of Fredericksburg, Chancellorsville, Gettysburg, Bristoe Station, Va., Mine Run, Wilderness and Appomattox. He rose to the rank of sergeant, and was honorably discharged in 1865. After engaging in various occupations, he finally entered the florist business, which he had carried on for the past ten years. Deceased was well known and generally beloved by all who came in contact with him. A widow and five children mourn his loss.

The rose is red, the violet's blue,
And the pinks are blooming fair and strong.
Chrysanthemums are white and green,
And the florist's bill is six feet long.
N. Y. HERALD.

Poughkeepsie, N. Y.

Murphy & Schaumburg have introduced a new delivery wagon of chaste appearance, fitted with a heating apparatus.

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American Rose Society.

Arrangements have been completed for holding the second annual exhibition of the American Rose Society on March 19, 20 and 21, 1901. The exhibition will take place in the ball room of the Waldorf-Astoria Hotel and the proceeds will be devoted to the charitable department of the Loomis Sanitarium for Consumptives, an institution which has enormous calls upon its resources in and around New York City. The schedule of the exhibition, which has been already distributed, will be sent by the secretary, 136 Liberty Street, New York City, on application. Several special prizes in the form of cups and other plate are being arranged for, and indications point to a brilliant event. The art management of the exhibition will be in the hands of one of New York's most able artists.

The Liberty Rose.

Visitors to the recent show of the American Institute, held in New York City, greatly admired the vase of the new rose Liberty exhibited there by William Turner, of Tarrytown, N. Y.

Mr. Turner kindly furnishes us with a brief account of his cultural methods, which will prove of service to those who do not have the desired success with this beautiful rose. He says:

"When ordering last Spring I obtained half grafted, half own root stock, and while both are doing well, I can easily cut two flowers from the grafted to one from the own root stock, and better blooms. There's not the slightest doubt in my mind that grafting is the method to follow in future for this variety.

"Our roses were planted on raised benches in June, the grafted stock in from four and a half to five inches of soil; for the own root stock probably one inch less of soil was employed. The compost was made up in early Spring, at the rate of three parts of sod cut from the pasture to one of thoroughly rotten manure.

"To be candid, through June and July I felt anything but satisfied with Liberty. The plants were making a short growth, then a flower, but it seemed to me had a tendency to harden up. I changed my methods of watering, giving the plants more water. The change was appreciated, the plants in a short time making better foliage and stem and having a softer appearance. By September the grafted plants were full of roots, which induced me to give them a top-dressing of soil and manure, half and half, with a little bone added. This also suited them, as the roots took hold of the new soil in a short time, and the plants made a vigorous growth.

"Toward the end of September one thing must be watched closely, and that is black spot. On the first tendency to spot when the nights get chilly, a chink of fire heat, with air on the house, is my remedy, being careful also only to syringe on clear days. Up to this date we have not been bothered with spot, either on the grafted or own root stock.

"Liberty is very floriferous, and to allow all the flowers to mature would mean destruction to the plants. I find it best to cut off all buds with short stems. By so doing the vigor of the plants is maintained. In removing the buds, cut back to a good eye; by this means one gets a good break. It is useless to attempt to cut blooms from weak plants; have the plants good and strong before commencing to take the flowers at all.

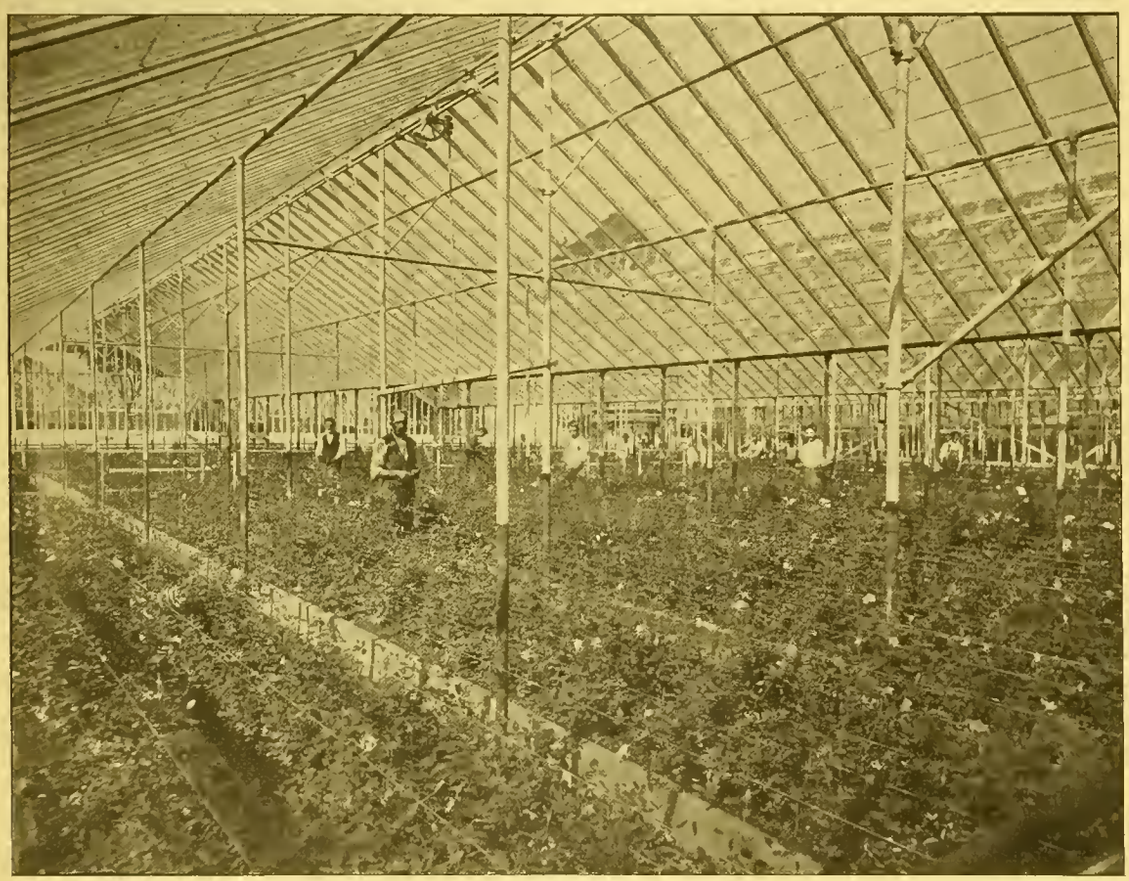
"The temperature we have kept about the same as for other roses, viz.: 68 degrees at night, with a rise of 10 to 15 degrees during the day, according to the weather.

"I know there have been some failures with Liberty. To those in this position I would say, don't discard this variety; it is too good to be thrown overboard. I may say that our success has been beyond my expectation. We started cutting steadily the first of October, and since that date have cut more flowers of Liberty, and of better quality, than from any other variety.

"Consequently I feel like giving this rose the highest honor. With me the general cry is, when roses are wanted for the table or for special orders, 'Give us Liberty.' This indicates more plainly than anything else the popularity of this rose."

Rose Queen of Edgely at Home.

The rose-growing establishment of the Floral Exchange at Edgely, Pa., a few miles east of Bristol, on the New York division of the Pennsylvania R. R., has during the past few months been of great interest to all rose growers, on account of its being the home of the new rose Queen of Edgely. And it can be very fittingly called a home, as the establishment is a model one. The houses are well kept in every way, and the whole place shows thorough supervision. Intending builders of rose houses would do well to visit this place for the pointers they would obtain. The three new houses, 30 x 225 feet each, in which this rose is growing, are model structures in every way, of light construction with pipe supports, extra bracing across the house, and 16 x 24-inch glass set the 24-inch way. The houses are even span and have two panes of glass deep on the sides. The wisdom of this is strikingly apparent, as the house is very light and the roses on the bed at the north side are really the best in the house.



Colonial House. The Floral Exchange Inc., Edgely, Pa.

This new rose, as we have previously said, is identical with American Beauty in every respect except color, which is a delightful shade of pink improving with age—something seldom found in roses. The Queen of Edgely has been largely exhibited during the past Fall. At the Philadelphia show on November 13-17 was shown a large vase filled with grand blooms of this rose, which was surrounded by crowds of admirers during the entire exhibition, who were charmed with the grace of form, rich coloring and delicious fragrance.

The Queen of Edgely came as a lucky accident, four years ago, to the Foral Exchange Nurseries. No one can tell how it was born, but some good fairy turned the red of the American Beauty into the lovely pink shade of the Queen of Edgely, leaving the grand foliage and vigor of Beauty. The advent of this new rose was kept secret for four years, until this year, when as a débutante it appeared, to charm every one who has seen it.

At the present time there are 32,000 plants of this new rose potted and over 25,000 yet in the sand. The famous rotten rock of West Philadelphia is being used in which to root the cuttings. All who have become familiar with this material know that it produces splendid roots, much better than does ordinary sand. So far, great success has been attained in striking cuttings, not a leaf being lost; as J. D. Eisele said in going through the propagating house: "You will get 101 per cent. of these, judging from appearances."

There are on this establishment 35 houses. Last season five old houses were taken down and in their places were built three even span structures. These are all open as if under one roof. This lot is called the colonial range. There being 13 beds, the thought of the 13 original States came up, hence the name. This range is provided with solid beds in which are planted Bride and Bridesmaid, all looking well and showing good promise. The range is 80 feet wide and 100 feet in length, having iron gutters and iron supports. The glass from the old houses has been utilized on the north side, while 16 x 24 glass has been used on the south side, set as in the other houses—the 24-inch way. The range is very light and undoubtedly is the right house for roses.

The coming season 50,000 feet of new glass will be added in two houses, each 50 x 350 feet; these will be devoted to the new rose.

This entire establishment is given up to rose growing. Meteor has been one of the varieties cultivated most successfully here, and as many as 25,000 plants have been grown. This year there are 11,000 plants, all doing well and certainly bringing good returns.

The cold storage room on this establishment is worth going miles to see. It was fully described in these columns in August last, and is working splendidly. At the time of our visit it was half filled with the daily cut of roses, and every part of the room was perfectly dry, so that a match could be struck on any part of it. The capacity of this room is 15,000 roses.

The entire place is heated by marine boilers. These have all seen service afloat and give every satisfaction. The bottoms of the boilers are but little below the ground level. The establishment being located near the Delaware River, water is found at a depth of three feet, so that all the water from the condensed steam comes back into a tank. This is taken care of by an automatic pump, and the results are perfect. It takes annually 1,500 tons of coal to keep this establishment going. The annual cut of roses is one million. Record cards are on the door of each house, on which the daily cut is recorded, a new card being affixed each month.

Harry Simpson is the superintendent of this large plant, and from the appearance of it has the place under thorough control. He even has a steam gauge in his bed room in the dwelling house, so arranged that it rings a bell if the pressure goes below four pounds.

This establishment began its career 30 years ago, there being then one small house. It was at that time the summer home of Dr. Edward Morwitz, owner of the Philadelphia Democrat, later passing to his son, Mr. Joseph Morwitz. From its inception it was under the successful management of Mr. D. Fuersteuberg, himself for many years manager of the Philadelphia Democrat. The Floral Exchange is now an incorporated company, Mr. D. Fuerstenberg being president and H. C. Geiger secretary. This season there are 50,000 roses on the place. Take a trip to see them, and you will receive a glad welcome.

DAVID RUST.

The firm of Alex. Dickson & Sons, seed merchants and nurserymen, Belfast and Newtonards, has just been registered as a private limited liability company. It is not intended to offer any shares to the public, and the conversion has been effected principally with regard to family arrangements.

CATALOGUES RECEIVED.

J. HAY & SONS, Brockville, Ont.—A Charming booklet entitled "Timely Suggestions to Gift Givers."

THE CALIFORNIA ROSE COMPANY, Los Angeles, Cal. Illustrated Catalogue of Roses. A handsomely illustrated, well printed and very complete catalogue of field grown, own root roses, containing cultural points and other matters of interest to planters.

A Visit to Bassett & Washburn.

A trip to Bassett & Washburn's magnificent "flower factory," as President O'Mara calls it, is always of interest. The first home in this city of the American Beauty rose, it still maintains the high standard for which it has long been noted. Nothing short of this will ever satisfy Mr. Bassett. From forty to fifty thousand plants of this rose alone are grown. The planting of so many necessitates a beginning as early as April; some are planted in May, others in June, and the latest about July 16. The plants are in all styles of growth and admirably cared for. The same with the tens; if one range is in part off crop, others are in.

One thing we desired particularly to see was the Marquis de Litta rose. Surely this is to be a sensational market variety unless, as Andrew Benson said, something happens it, of which there are is yet no signs. It has pretty growth, stout enough to need little staking, will not require the great height of house that Beauty does, produces a grand medium-length stem; flower of fine color, the bud being longer than that of Beauty, and the plants so far free from spot. The flowers sell at sight.

Some good Liberty were seen, but as yet this variety is not entirely satisfactory, although there is a call for all the flowers that can be obtained. There are expectations of better conditions later.

The two 600-foot carnation houses are a sight. White Cloud is a forest of flowers; probably 8,000 are in evidence. This variety and Flora Hill are a fine team. Crane as a red is no less satisfactory. Lester Paul is good, but inclined to be late. Lawson presents an even grand lot of plants; the stems rather short yet. Nothing equals Red Bradt; the demand from the retail men for this variety is always ahead of the supply. America bids fair to be good later. Morning Glory looks very promising; it is a better finished flower than Daybreak. Olympia is not satisfactory yet; stems are short and flowers not perfect. Whitcomb Riley is not well in flower. Peru looks good. The Marquis is not satisfactory as yet; they don't like to condemn it until it has been tried from own grown stock. Ethel Crocker is a fine thing apparently as done here. Two or three white sports from Crane were noticed.

Asparagus plumosus nanus is a great feature here. Lilies are late. Not many will be in for Christmas.

The propagators are already at work with the roses, for which they use seven houses. Fresh soil for this immense plant shows up in mountains. Five acres of maiden soil were exchanged for the old material from the greenhouse benches. A new field will be chosen for planting out carnations next Summer, well dressed with old soil from the houses. The Jones underfed mechanical stoker with blast works perfectly. Ess.

[This article was unavoidably held over from last week.—Ed.]

BRIEFS FOR BUSY FLORISTS.

ROSES.—This is an opportune time to begin propagating, and whenever a good batch of cuttings is available, get them into the sand. It might be found convenient to throw out a bench or two of the old plants quite early in the Spring, and if there is a nice stock of young plants in three-inch pots to take their place, a good start is made for another year. Any h. p. roses intended for Easter flowering may be put into a cool house and allowed to break slowly. Little water should be given them; an occasional syringing will meet their needs until growth commences.

IF THE SPIRÆAS are not already potted and put where they will start, this should be done forthwith. Under a bench in the ordinary greenhouse is as good a place as any to put them for the first few weeks after they are potted.

TULIPS AND VON SION NARCISSUS can be forced from now on with some certainty of having stems long enough to be of service. Give the plants a shaded position, where there is a good strong bottom heat, until the flower buds are almost ready to open, then put them in a cooler house in the full light.

HYDRANGEAS that have been stood under the benches for the last few weeks are breaking into growth and must now be given room on the benches. Keep the plants growing steadily from now on. Occasional fumigating will be necessary to keep down green fly.

CHRYSANTHEMUMS.—Do not neglect the stock plants of these. Any varieties the number of which it is desired to increase, and the stock of which is at all limited, should be kept growing right along and cuttings taken whenever they are ready. Cuttings taken now and rooted will each furnish another cutting in a short time; thus if one has but a few stock plants of a variety, by close propagating a good supply can be obtained.



(267) **Variegated Sweet Alyssum.**—Why is this plant not more generally used by the trade? I have used it for the past two years, and in my opinion there is nothing more beautiful for beds or borders.—SUBSCRIBER.

(268) **Shipping Trailing Arbutus.**—W. A. S.—Boxes for shipping trailing arbutus should be quite shallow. Make up the flowers into small bunches, and put two layers of these in the box with tissue paper between each layer. The mountain laurel can be put into crates or boxes of any convenient size.

(269) **Rust on Carnations.**—J. C. B. and A. R. P.—The carnation leaves are badly affected with rust. To prevent it further spreading, pick off all the diseased foliage at once; clean the surface of the beds thoroughly; dust the plants with air-slacked lime; keep the atmosphere of the house on the dry side both night and day; discontinue syringing so as to let the lime remain on the plants for eight or ten days, then spray lightly to wash it off; go over the plants again and pick off any leaves that show the disease, and repeat the dusting with lime and the keeping of a dry atmosphere.

(270) **Trouble with Seaforthia Elegans.**—Why the Seaforthia elegans plants are losing their leaves, while the other palms in the same house are all doing well, seems rather a hard problem to solve, seeing all the plants are under the same treatment. The best thing to do would be to take the plants out of the pots and find out if the trouble is not at the roots. Perhaps the palms have been over-potted; and if such is the case the bulbs should be reduced and smaller sized pots used. Or the plants may have been potted too deep, or too much animal manure may have been in the soil. We think the trouble will be found at the roots. The plants should be given an overhauling at once.

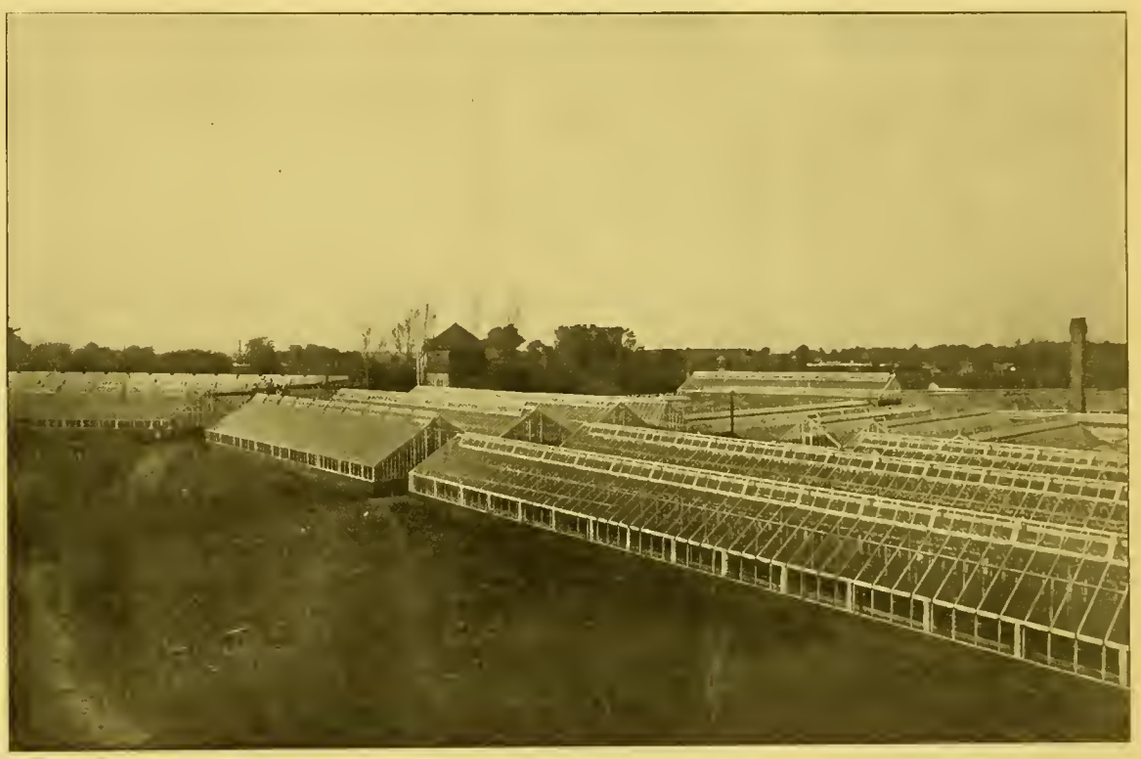
(271) **Rose Kaiserin Augusta Victoria.**—I have a house of Kaiserin Augusta Victoria roses. The plants having been run for Summer bloom, I desire to rest them from Christmas until April 1. Can I leave the plants in the greenhouse benches, dry them off for a week or two and then cover the ground with a mulch of cut hay (dry), letting them freeze up until April 1 without injury? I know the variety is hardy outside, and if the house were shaded from warm sun, I wondered whether the plants would not keep all right. I prefer to leave them in the benches, if possible.—EMPIRE STATE.

—The house can be dried down and the plants allowed to freeze. They will be in good shape for starting up in Spring. The drying down and cooling off of the house must be done gradually, however; if the heat be taken off suddenly the unripened wood will suffer. If the weather should prove mild after the holidays, there would be little danger of injury from taking away the heat; but if the weather is severe the temperature in the house should be reduced gradually, so that the process may extend over a period of two or three weeks before frost be allowed to enter the house. A light covering of hay laid over the benches will be beneficial, though it should not be applied until after the plants have become dormant and the benches cleaned of the fallen leaves, etc. Shading the house will not be necessary on days when there is bright sunshine. Open the ventilators wide, and should the weather be at all mild, the ventilators should be kept open day and night. If proper care be given to the plants by allowing them to become dormant gradually, there is no need of taking them from the benches. If the heating is done by hot water, be sure to draw all the water from the pipes before the house freezes, otherwise a set of bursted pipes will result.

(272) **A Violet Trouble.**—Please tell me what is the matter with my violets. They grew finely up to the time cold weather set in, since which time they have made very little growth. I keep them at 54 degrees in the daytime, with air on, and 38 to 42 degrees night. The plants look as if they had been frosted; the leaves turn over and the ribs turn purple. The flowers are a little white on the backs before they open, and have quite a large white center. Do you think the cold days created too big a change in the temperature? We have had the same trouble every Fall, and when we kept the plants a little warmer days, they seemed to outgrow it. The question is this: Is 54 degrees too cold for violets in the daytime with air on?—A. B. C.

—The white center in violet blooms is not unusual, but, in the writer's judgment, its cause has not as yet been satisfactorily accounted for, notwithstanding the many theories that have been advanced. Some growers claim that it is due to an oversupply of available nitrogen in the soil, which causes the plants to make too rapid growth, and others that it is the result of an unbalanced physical condition of the plant, but these theories would hardly hold in view of the fact that the one plant frequently throws perfect flowers and blooms with white centers at the same time. So far as the writer has observed, the white center is confined as a rule to the Marie Louise variety and its several strains and is more common in the Fall and early Winter. The variation in temperature, the shorter days and the comparatively small amount of sunlight during that period seem to favor its development. The turning over of the leaves and purpling of the ribs, to which A. B. C. refers, indicates an unhealthy condition of the plants, which may be due to any one of a number of causes, and is not necessarily an indication of too low temperature. The writer does not consider a night temperature of 38 to 42 degrees and a day temperature of 54 degrees too low for the successful growing of the varieties above referred to, but prefers a night temperature of 40 to 50 degrees and a day temperature of 60 degrees, and for Lady Campbell and Swanley White violets from five to ten degrees higher.

It seems to me A. B. C.'s past experience gives him a cue, and I would advise that the temperature of his houses be kept somewhat higher than that at which he has been accustomed to run them.—P. H. DORSETT, U. S. Department of Agriculture.



Home of Rose Queen of Edgely—Establishment of The Floral Exchange Inc., Edgely, Pa.

MILWAUKEE.—Christmas trade far exceeded that of former years. All good colored stock was sold out several days in advance, and the only flowers on the open market were seconds and white blooms. The sale of plants also increased largely over last season's. Wholesale prices on choice stock reached the limit on quotations sent out, and remained firm. Dealers seem well satisfied. Holly and all decorative stock was pretty well cleaned up. While grocers handled considerable holly, much of it was of inferior quality.—RASTUS.

REVIEW OF THE WORK OF THE CHRYSANTHEMUM SOCIETY OF AMERICA FOR 1900.

Exhibited By	Date.	Where Shown.	Name of Variety.	Color.	Type.	Points Scored.											Remarks.
						Scale	Color	Form	Fullness	Stem and Foliage	Subst'ce	Size	Distinct	Stem	Foliage	Total	
Nath. Smith & Son, Adrian, Mich.	Oct. 20	Boston	Iolantha	Rose pink, silvery reflex	Jap. Inc.	C	25	20	13	8	5	14	....	....	....	85	Certificate.
	Oct. 20	Cinci'ti.		Light pink	Jap. Inc.	C	21	20	13	9	10	12	....	....	....	85	
	Oct. 20	Phila...			Jap. Inc.	C	22	20	12	8	8	12	....	....	....	82	
	Oct. 20	N. Y.....		Rosy pink	Jap. Inc.	E	12	12	8	....	....	12	20	8	8	80	
	Oct. 20	Chic'go		Pink		C	18	18	12	9	8	12	....	....	....	77	
	Oct. 27	Cinci'ti.	Omega	Canary yellow	Jap. Ref.	C	15	18	10	6	9	13	....	....	....	71	Maud Dean type.
				Lemon yellow		C	19	20	14	7	6	13	....	....	....	79	
	Oct. 27	Chic'go				E	13	12	9	....	....	14	20	6	7	81	
	Nov. 10	Chic'go	Mrs. Elmer D. Smith	Yellow		C	20	25	13	6	9	14	....	....	....	87	Certificate.
	Nov. 17	Phila...			Jap. Inc.	C	24	25	15	7	10	12	....	....	....	93	Certificate.
						C	24	23	14	9	8	13	....	....	....	91	
	Nov. 17	Cinci'ti.			Inc.	E	14	14	9	....	....	13	23	9	8	90	
	Nov. 17	Boston		Chrome yellow	Jap. Inc.	C	24	23	15	9	9	13	....	....	....	93	
						C	25	25	15	9	10	10	....	....	....	94	
	Nov. 17	Boston	Mrs. Ritson	White	Ref.	E	15	15	10	....	....	7	22	10	8	87	
John N. May, Summit, N. J.	Nov. 3	N. Y.....	Yanariva	Very light pink	Jap. Ref.	E	12	15	10	....	....	15	25	8	5	90	White sport from Viviand-Morel Imported. The flowers arrived in poor condition, but judging from the excellence of its parent, V-Morel, we consider this sport worthy of this score.
						C	12	20	14	6	9	13	....	....	....	74	
	Nov. 10	N. Y.....			Jap. Ref.	C	20	18	12	7	8	12	....	....	....	77	
	Nov. 10	Boston		Flesh pink	Ref.	C	25	20	15	8	10	15	....	....	....	93	Certificate.
						E	15	12	10	....	....	15	25	10	6	93	
	Nov. 10	Cinci'ti.			Jap. Ref.	C	23	22	13	5	10	13	....	....	....	86	
	Nov. 10	Phila...		Blush	Jap. Ref.	C	22	22	14	7	8	13	....	....	....	86	
						E	13	13	9	....	....	13	21	9	7	85	
	Nov. 10	Boston	Mirabeau	Yellow	Jap. Inc.	C	23	10	13	7	6	8	....	....	....	67	
	Nov. 10	Cinci'ti.			Jap. Inc.	C	23	18	14	8	7	10	....	....	....	80	
	Nov. 17	Phila...	Mrs. W. B. Chamberlain	Light rose or pink	Jap. Ref.	C	21	22	12	8	8	12	....	....	....	83	
						E	13	13	8	....	....	12	22	9	8	85	Certificate.
	Nov. 17	Boston		Rose pink, silvery reflex	Jap.	C	25	25	8	9	8	13	....	....	....	88	
						E	15	10	7	....	....	13	25	10	8	88	
	Nov. 17	N. Y.....		Light rose pink	Jap. Ref.	C	23	20	12	9	9	12	....	....	....	85	
	Nov. 17	Phila...	Zampa	Chrome red	Jap. Ref.	C	22	21	13	9	7	12	....	....	....	84	
						E	12	13	8	....	....	12	22	9	9	85	Certificate.
	Nov. 24	Boston		Brownish crimson, salmon reverse	Jap.	E	5	12	7	....	....	15	20	10	9	78	
	Nov. 24	Cinci'ti.	Chestnut Hill	Yellow	Ref.	C	22	21	14	9	8	12	....	....	....	86	Certificate.
	Nov. 24	Boston		Light yellow	Jap. Inc.	C	25	20	15	9	7	12	....	....	....	88	
	Nov. 24	N. Y.....		Yellow	Jap. Inc.	C	20	18	14	10	9	10	....	....	....	81	
	Nov. 24	Phila...			Jap. Inc.	C	23	21	13	9	8	11	....	....	....	85	
						E	14	12	9	....	....	11	21	9	9	85	
	Nov. 24	Chic'go			Jap. Inc.	C	23	22	13	8	9	13	....	....	....	88	
	Nov. 3	N. Y.....	Brutus	Terra cotta red	Jap. Ref.	C	24	22	12	8	9	12	....	....	....	87	Certificate.
	Nov. 10	N. Y.....	No. 345	White	Jap. Ref.	C	20	12	10	9	5	8	....	....	....	64	
The E. G. Hill Co., Richmond, Ind.	Nov. 17	Phila...	Malcolm Lamont	Bright maroon red	Ref.	C	24	23	13	10	8	12	....	....	....	90	Certificate.
						E	14	13	8	....	....	12	24	10	10	91	
	Nov. 17	Chic'go		Red		C	23	18	11	9	8	12	....	....	....	81	Black Hawk type.
	Nov. 17	Cinci'ti.		Crimson	Ref.	C	22	22	11	10	9	11	....	....	....	85	
	Nov. 17	N. Y.....			Ref.	C	22	20	12	10	9	12	....	....	....	85	
	Nov. 17	Cinci'ti.	Mary Hill	Pink	Inc.	C	22	23	15	9	8	12	....	....	....	89	Certificate.
	Nov. 17	Chic'go				C	15	20	12	10	8	13	....	....	....	78	Superba type.
Wm. Paul Binder, Rider, Md.	Nov. 10	Phila...	Lillian	Creamy white	Jap. Ref.	C	21	21	13	6	8	11	....	....	....	80	
						E	13	12	8	....	....	11	20	4	6	74	
	Nov. 10	Phila...	Geo. O. Brown	Very dark rose	Jap. Ref.	C	17	20	13	8	8	11	....	....	....	77	
						E	11	12	8	....	....	11	20	9	8	79	
Geo. Hollis, S. Weymouth, Mass.	Oct. 27	Boston	Prosperity (Exhibited as Peerless)	White	Jap.	C	23	20	15	8	9	10	....	....	....	85	Certificate.
John Cook, Baltimore, Md.	Nov. 3	Phila...	Jos. W. Cook	Blush white	Jap. Ref.	C	22	22	14	9	9	13	....	....	....	89	Certificate.
						E	13	13	9	....	....	12	22	9	9	87	
Erast Schreiber, gardener to Wm. L. Elkins, Esq., Elkins, Pa.	Nov. 3	Phila...	No. 2-98	Pink	Jap. Inc.	C	21	21	12	6	8	11	....	....	....	79	
						E	12	12	8	....	....	12	20	6	6	76	
Wm. Kleinheinz, gardener to P. A. B. Widener, Esq., Ogontz, Pa.	Nov. 3	Phila...	D. Josephine	Light yellow	Jap. Inc.	C	22	22	13	9	9	14	....	....	....	89	Certificate.
						E	13	13	8	....	....	14	22	9	9	88	
	Nov. 3	N. Y.....		Good bright yellow	Jap. Inc.	C	23	20	10	8	9	13	....	....	....	83	
John B. Rady, Elmira, N. Y.	Nov. 10	N. Y.....	Mrs. J. S. Fassett	Light yellow	Jap.	C	13	10	10	7	7	12	....	....	....	59	
John Marshall, Purchase, N. Y.	Nov. 10	N. Y.....	No. 6	Magenta pink	Jap. Inc.	C	15	18	12	9	6	11	....	....	....	71	
Theo. Bock, Hamilton, O.	Nov. 10	Cinci'ti.	Arab	Bronze	Jap.	C	16	19	15	10	9	10	....	....	....	79	Childs x Golden Wedding
H. W. Rieman, Indianapolis, Ind.	Nov. 10	Cinci'ti.	Nellie	Creamy white	Jap. Inc.	C	23	22	14	10	8	10	....	....	....	87	Certificate.
Ferdinand Heck, gardener to Geo. F. Baer, Esq., Reading, Pa.	Nov. 17	Phila...	No. 10	Yellow	Jap. Inc.	C	22	22	12	8	8	12	....	....	....	84	
						E	13	13	8	....	....	11	22	8	8	84	
Miller & Sons, Bracondale, Ontario, Can.	Nov. 17	Phila...	Timothy Eaton	White	Jap. Inc.	C	23	23	14	9	9	14	....	....	....	92	Certificate.
						E	13	14	9	....	....	14	24	9	9	92	
H. L. Ragan, Springfield, O.	Nov. 17	Cinci'ti.	Gold Smith	Bronze yellow	Jap. Ref.	C	19	23	13	8	8	12	....	....	....	83	Sport of Pres. W. R. Smith
H. A. Molatsch, Brooklyn, N. Y.	Nov. 17	N. Y.....	Golden Fame	Bright yellow	Jap. Inc.	C	23	23	15	5	9	12	....	....	....	87	Certificate. A. Welsing, B'klyn, N.Y., originator.

EDWIN LONSDALE, Sec'y.

Buffalo.

Christmas Business.

As expected, plant lines led quite largely in the stores; everything commendable in flowering plants was practically sold out. On Monday the atmosphere was so mild that nearly all deliveries of plants were effected without protection. The poinsettia readily holds its own, while the Begonia Gloire de Lorraine opens up new possibilities, so nicely lending themselves to basket fixings and tissue-paper embellishments.

Cut flowers seemed to be of all classes and degrees of supply. With the delayed work of the express companies, stocks from over-night distances came very irregularly. Tuesday morning all the colored stock of any consequence was picked up clean and close; some white was in usual surplus, noticeably a few nice chrysanthemums, white roses, and Roman hyacinths and Paper White narcissus.

At the stores a wide divergence of retail selling prices was noticeable. Carnations of fair quality we saw sold as low as 75c. per dozen, while for others, only a good grade better, $1.50 per dozen was readily obtained, with $2 as top price on fancy kinds. Lily of the valley, if good, went well at $1 per dozen, and best violets at $5 per 100. The run of tea roses ranged from $2 to $5 per dozen, varying with quality. An increasing number of American Beauty in this city are disposed of at Christmas each year at fancy rates; while some hardly brought above $12 per dozen, better grades went at $18, and a number of orders for dozens were filled at $24 per dozen.

The impression gleaned was that a somewhat larger trade resulted than was ever before done here at Christmas, with decidedly the largest gains in plant lines.

An incentive to cut flowers, too, existed in several swell receptions occurring on and close to Christmas Day.

Holly and greens had their call in a very profuse way everywhere. Of the former, on Monday evening, buaches that were almost armfuls could be purchased for a nickel.

Palmer & Son cut several hundred Beauty of good quality during the five days previous to Christmas, all of reliable selling quality. Wm. Scott had some 6-foot tall poinsettias. Except in price they were a grade too high, and begged for purchasers alongside of the low pan affairs which ran short of the demand.

Rebstock ran a plant annex and made a fine show. A goodly batch of epacris and heaths proved good sellers.

In display of poinsettas and red stars, combined with colored electric-lighted tissue-paper effects, Adams had the "reddest" window in town, and a good ad. it was. S. A. Anderson reports good trade. But more to the matter, at his home a baby boy had arrived as a Christmas offering.

W. F. Kasting's home was entered by burglars Sunday evening last and silverware, jewelry and other valuables stolen. The police expect to recover the lost property.

VIDI.

CHRISTMAS TRADE.

ROCHESTER, N. Y.—We were favored with exceptionally fine weather for the Christmas trade; the temperature was just right to tempt shoppers out of doors, and the large increase in trade is partially attributable to these conditions. J. B. Keller's Sons say their trade in both plants and cut flowers increased fully 50 per cent. over last year, and the prices also showed an increase of almost that average percentage. In potted plants French daffodils and peppers sold well, as also did cyclamen, hyacinths and azaleas. There was a greater demand for violets than could be supplied, and the sale of roses and carnations came next. Poinsettias gained very largely in sales over any previous year. Salter Bros. report sales of potted plants doubled, and that the increase in the demand for cut flowers would have shown equally as large an augmentation could it have been supplied. Violets could not be had at any price in sufficient quantities. Ericas jumped into greater popularity than usual and ground pine was in excellent demand. The sale of palms, especially those in ornamental pots, also showed a large increase. In green goods for trimming there was an especially lively demand. H. E. Wilson says it was the best Christmas trade he has ever experienced. The prices were aso considerably better. Roses, chrysanthemums and carnations were the leaders in cut flowers, while begonias, azaleas and hyacinths were good sellers. He noted the liveliest possible demand for green goods, especially holly, which was shipped to this city in immense volume from the West made up into wreaths, and sold from house to house by boys who did a thriving trade. Even then it was difficult to obtain fresh, nice holly sufficient for all demands.

The E. R. Fry Florist Co. sold everything in the store and at prices that were very satisfactory. Especially was the demand brisk for carnations of the better varieties. Potted plants also received much attention, particularly azaleas, of which this house had a fairly liberal supply. Boston ferns brought good prices. The novelty of the season was wreaths of artificial galax leaves. They were very showy and, when made up tastily, strikingly attractive.—C. P. W.

ELMIRA, N. Y.—The weather was so mild and pleasant just at Christmas time that it seemed more like Easter, and both plants and flowers sold equally well. The gay poinsettia was much in demand, and even the "touchy" Begonia de Lorraine could be handled with reasonable care. (You cannot exactly call it a satisfactory "house plant," yet 'tis a lovely decoration for table and mantel, and as a hanging basket for the conservatory simply ideal).

In cut flowers carnations and violets were in extraordinary demand, with not near enough to go around. Roses sold out clean; in fact, the only surplus was in Roman hyacinths; still these were used largely to good advantage, and growing plants in pans were very salable.

Prices were reasonable all around, considering the rather short supply proportionate to demand. The quality of home-grown stock, for the most part, was O. K. Good scarlet carnations are at a premium Christmas. Gomez is the ideal crimson color and sells at sight. Christmas greens were a drug in the market, and are altogether too common for florists to handle under existing conditions. Some dealers secure all the advance orders possible, and at the last moment send in car-load lots to peddle about at any price.

There are bright prospects of reviving New Year's calls, New Year's decorations, etc. This would be good news to the florist, who recalls the good old-fashioned orders received for New Year's Day.—GROVE P. RAWSON.

NEWPORT, R. I.—The demand for cut flowers here was greater than ever before during the holidays. Carnations and violets were largely called for, especially the former; the higher prices obtained last year being fully sustained. The supply of all kinds of flowers was short. There was the usual call for berried and flowering plants in pots. Solanum capsicastrum and Ardisia crenulata were leaders, especially the former; and in flowering plants, primulas, cyclamen and azaleas were sold out. Begonia Gloire de Lorraine was offered in small lots, the smaller sized pots or pans seling most readily. Foliage plants, such as palms and ferns, went rather slowly, as also did bulbous stock in pots. Large quantities of holly and other greens were sold. The only explanation that can be given, so far as we can learn, why there was such a shortage of carnations is that owing to the extremely dry Summer many of the plants were in poor condition when benched, and have since given out entirely. Lilies for Easter with most of the growers are looking well and show no signs whatever of disease.

It was something of a novelty on Christmas evening to see a florist's place of business closed up early in the evening, being sold out—at least so far as cut flowers were concerned.—MAC.

BANGOR, ME.—Christmas trade was as good as any before experienced in this city. The weather was exceptional, not necessitating the careful wrapping that cold weather would entail. This means a saving in packing, etc., to florists in this vicinity of many hundred dollars. The volume of business done was not quite so large as in former years, but prices were better. In the line of plants, longiflorum lilies and azaleas took well. Early tulips and Chinese primroses in pots in nice bloom were among the best sellers, while evergreens, ardisins, ferns, palms, oranges, etc., found quite a ready sale. The cut flower of the day is by far the American Beauty. Introduced here only last year, it has had a great demand, bringing $18 and $20 a dozen. Other roses, such as Bon Silene, Meteor, Bride and Bridesmaid, sold well, but not in large quantities. Carnations were not in sufficient supply for the demand, bringing 75c. a dozen. Violets were very scarce; they sold at $6 per 100. As a novelty there was produced this year a fern jardiniere planted with bulbous stock in bloom. It proved a big seller. —C. BEERS.

NASHUA, N. H.—Christmas trade shows a 66 per cent. increase in volume of business done over last year. Prices were the same, there was a good supply of flowers of much better quality, and a greater demand for flowering plants, especially Begonia Gloire de Lorraine. Weather conditions were perfect.—AUGUST GAEDEKE & Co.

LEOMINSTER, MASS.—Christmas sales were about equal to those of last year. There was a better call for carnations, which sold at 50c., extra 75c., with a few dozens of higher grade, The Marquis and Mrs. George M. Bradt, at $1 per dozen. Roses were in less demand. The supply of violets was hardly sufficient to go around. In pot plants, azaleas, hyacinths, trumpet narcissus, with a limited number of poinsettias, Chinese primroses, and Erica mediterranea, found ready sale.—J. FULLER.

JAMESTOWN, N. Y.—Christmas trade was good, both in plants and cut flowers, with prices about as last year. Many more cut flowers might have been sold had they been obtainable at reasonable figures.—E. D. SPAULDING.

PITTSFIELD, MASS.—The Christmas trade was about the same as last year's, with a larger demand for cut flowers. Plants in bloom also sold well, but there was not much call for other stock. Last year the Boston fern was in good demand. Carnations were the best sellers, bringing 75c. to $1 per dozen; roses, $1.50 to $3, violets $2 to $3 per 100, and poor stock at that. There was no call for bulbous stock. Carnations received from out of town were very poor.—F. I. DRAKE.



Mrs. Theodosia B. Shepherd's New Climbing Begonia, Majorie Daw.

Begonia Marjorie Daw.

The illustration is reproduced from a picture of the original specimen of my new seedling Begonia Marjorie Daw, a cross from B. rubra by B. glaucophylla scandens. The plant possesses the vigor, strength and fine blooming qualities of B. rubra, with some general resemblances in the leaves, stem, color and texture of the flowers and in its climbing habit to B. glaucophylla scandens. It grows very rapidly, sending out long, strong shoots from the roots and innumerable side branches.

The original specimen, now about seven years old, stands in a large box, 4 feet long, 2 wide and 2 deep. It has eight main branches, three of which measure one inch in diameter one foot from the ground. The plant measures about 15 feet in height and 15 feet in width. It grows so rapidly, forming such masses of foliage, that it requires frequent trimming to allow the sunlight to shine through the branches. Twice this year at least one-fourth of the plant has been cut away without perceptibly disfiguring it.

It blooms about nine months of the year, and bears its flowers in large clusters, about 25 in a cluster. The blossoms are larger than those of B. rubra, and are an exquisite pure pink in color, with large white spots in the center of the ovary, which gradually become suffused with pink.

At the time the picture was taken the specimen was in the height of its beauty, and was adorned with 150 or more buds and blossoms. Nothing could be more beautiful than this lovely plant. It charms all who behold it.

Out of doors it grows even better than in the greenhouse, though it requires a partially shaded location. The flowers are several shades darker when grown outside. From all indications, it could be trained to grow to the second story of a house and cover a space of 20 or 30 feet. It can be cultivated as a climber or allowed to fall over the sides of large pots or boxes, making in time a most beautiful specimen.

Its perfect health, rapid growth and great beauty in flower and foliage will recommend it to all lovers of this lovely class of plants. THEODOSIA B. SHEPHERD.

TOBACCO STEMS
"Good Strong Kind."
60 CTS. PER 100 LBS.
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	100	1000
Best Mammoths, strong pot plants	$3 00	$25 00
" " rooted cuttings	1.00	8.00
Older " " "	.75	6.00
" " strong pot plants	2.50	20.00

ROOTED **GERANIUMS** CUTTINGS

Double and Single, and Ivy Leaf Varieties.
Fine collection .....$2 00 per 100; $15 00 per 1000.
Strong pot plants ..... 3.00 " 25.00 "

CYCLAMEN GIGANTEUM

From 3 inch pots in bud .....$8.00 per 100.
" 3½ " " " .....10.00 "

STRONG, HEALTHY **CARNATIONS** ROOTED CUTTINGS.

Prices and Varieties on Application.

MISCELLANEOUS.

	100	1000
Ageratum, Cope's Pet and White Cap	$1.00	$8 00
" P Pauline and Stella Gurney	1.25	10.00
Coleus, best bedding and fancy sorts	1.00	8.00
Cuphea, Platycentera	2.00	15.00
Fuchsia, double and single	1.50	12.00
Feverfew	1.25	10.00
Heliotrope, light and dark	2 00	
Impatiens Sultani	1.50	
Ivy, German	2 00	15.00
Moon Vines, true white	2 00	15.00
Salvias, Splendens, Bedman, etc	1 25	10.00
Smilax, strong plants	2.50	20.00

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COLEUS per 100, Red, Yellow and 8 other distinct colors, 90c; fancy, 75c.; new grand large leaved all bright colors, $1 50.

Heliotrope, blue in var., extra strong, $1 25 per 100.

Rooted cuttings of any above ½ less. Terms cash

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Geraniums, rooted cuttings, $1.25 per 100, $10 00 per 1000. **Rose Geraniums**, $1.25 per 100.

Abutilons, Savitzii, trailing, and five others, $1.50 per 100.

Weeping Lantanas, $1.25 per 100.

Ageratums, Louise Bonnet, Princess Pauline, Cope's Pet, White Cap, 50 cts. per 100.

Ageratum, Stella Gurney, $2 00 per 100.

Sweet Alyssum, 50 cts per 100

Feverfew, Little Gem, $1 00 per 100.

Cuphea, Cigar Plant and Tricolor, 75 cts per 100.

Double Petunias, 30 vars., 2 in pots, $2.00 per 100.

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Heliotropes, 12 vars., 2 in pots, $2.00 per 100.

Vinca Variegated, $1 00 per 100.

Salvia Silverspot, $2.00 per 100.

Heliotropes, 12 vars., $1.00 per 100.

Fuchsias, 18 vars., $1 25 per 100.

If by mail add 10 cts. per 100. Cash with order.

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As they are going fast at $3 00 per 100; $25 00 per 1000, in 2½ in pots, and in fine condition ready for shifting in 3 or 4 in, comprising all the leading varieties and to name, S. A. Nutt, Francis Perkins, La Favorite, E. G. Hill, Beaute Poitevine, Mrs. Pilzer, Ruy Blass, Double Grant and several other varieties.

AGERATUMS 2 in. pots, $1.00 per 100; rooted cuttings, 50 cts. per 100.

FUCHSIAS Rooted cuttings, $1.00 per 100.

HELIOTROPE Rooted cuttings, $1.00 per 100.

COLEUS 2½ in. pots, $1.50 per 100; rooted cuttings, 50 cts per 100.

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Double Fringed Petunias, 50 varieties, Dreer's, Henderson's and Giant of California.. $1 25
Petunia Grandiflora, single..... 1 25
Strobilanthes Dyerianus 1 25
Ageratum, Princess Pauline, Blue Perfection and Blanche 75
Cuphea (Segar Plants) 75
Fuchsias, 20 varieties 1 25
Ivy Geraniums, 12 varieties 1 50
Gazania Splendens 1 50
Abutilons, 4 varieties 1 50
Heliotropes, 18 varieties, transplanted into soil and sure to grow 1 00

Cyclamen Giganteum

4 colors, 4 inch pots, $8.00 per 100; 3 inch pots, $5.00 per 100. Choicest strain, finely marbled, well set and in splendid condition.

Mars Geranium, 3 inch, $3 00 per 100

Cyperus Alternifolius, 3 in., fine, 5 to 8 stems, $5.00 per 100.

Not less than 5 of a variety in rooted cuttings. Cash with order, please.

GEORGE J. HUGHES, Berlin, N. J.

Mention the Florists' Exchange when writing.

Cincinnati.

Christmas Trade.

Christmas business was all that could be desired. The supply of roses, good stock, was not equal to the demand. The writer had sufficient carnations to fill all orders, William and George Murphy alone cutting over 10,000 blooms. Thomas Windram also had a good cut. Mrs. Grave, of Richmond, Ind., had a fine lot of fancy carnations that sold readily at 8c. The South Park Floral Co. came to the front with American Beauty roses, with 4-foot stems, that sold at $1 each. They were the finest roses ever seen in this market.

Plants sold well, especially Begonia Gloire de Lorraine. Palms also were largely called for. Bulbous stock went slowly. Violets were in demand, with not enough to fill all orders. Poinsettias also went well.

The weather was all sunshine up to the evening of December 24, when at about 9 o'clock it commenced to snow, and by Christmas morning the earth was white. All report a fine business, and now "a happy New Year to all."

E. G. GILLETT.

Baltimore.

Christmas Trade.

The past Christmas, from a florist's standpoint, was a busy one, and brought fair profits both to growers and dealers. The volume of trade done was a trifle over last year's. The Exchange handled a fine lot of carnations, enough to go around, and which realized from $2.50 to $5 a 100. Violets sold at from $1 to $1.50 wholesale and were disposed of as they came in. Roses, home grown, were exceedingly scarce; Philadelphia and Washington furnished the deficiency with very fine stock indeed.

The plant trade was most satisfactory; single plants and those in jardinieres and baskets were eagerly bought.

The stores were all very prettily decorated; William J. Halliday had his windows banked with poinsettias. The glow of the scarlet bracts was skilfully relieved by Christmas greens and a number of plants in baskets and vases of cut flowers. Halliday Brothers' window decoration consisted of greens and Cypripedium insigne; the very simplicity of it made it pleasing to the eye. Holly branches discreetly used to cover the pots of the orchids lent the whole the character of the season. Feast's store, different to what one is used to see here, presented not so much a Christmas decoration as an exhibition of Christmas gifts. The walls, mirrors, etc., were lavishly festooned with greens and palms. All the individual pieces and flowering plants were perfection, and many new styles and designs of jardinieres and baskets could be admired. John Cook, without any elaborate special decoration, showed fine specimens of flowering plants. Ed. A. Seidewitz as a novelty which found favor readily made a display of terra cotta imitations of rustic baskets and logs planted with green and flowering plants.

The market people did a fair business; plants were sold out at good prices, as were carnations and chrysanthemums. Greens seemed to be very plentiful; the holly crop especially has been large. The retail prices obtained for this class of green did not justify the wholesale charges. Dried flower designs sold well, as did moss wreaths. The weather was all that could be wished, Spring temperature and a few hours of sunshine.

The Maryland State Horticultural Society.

This society held its annual meeting December 20 and 21. The subjects treated were principally orchard management, marketing of fruit, vegetables, etc. Prof. L. H. Bailey gave a talk on "Modern Notions in Orchard Management." Ed. A. Seidewitz made his report on floriculture. While satisfied with the general advancement in this line and especially with the success of the Maryland florists as hybridizers, he pointed out a few defects, giving hints to amend them. To state his arguments briefly: Floriculture in Baltimore has been developed with a view to supply the retail custom of each grower, and this has led the majority of growers to cultivate a miscellaneous lot of plants. The disadvantage to the cultivator is obvious—but the home market suffers considerably by it, as comparatively few flowers are offered at wholesale, and therefore many orders that might be filled right here are sent out of town. It seems, indeed, good advice to limit one's cultures to a few specialties—in fact, two of our largest growers and retailers have found it to be the best plan. Halliday Bros. grow carnations only, and Feast nothing but roses; each of these firms has to buy daily to complete its stock of flowers.

Personal.

Prof. Johnson, State Entomologist, has resigned his post, to take up the editorial direction of the Agriculturist, and will make his residence in New York after February. His friends, in fact the whole horticultural and agricultural fraternity of Maryland, regret to lose his assistance, but wish him best success.

T. E.

Pittsburg.

Christmas Report.

The past Christmas was one of the happiest and most prosperous we have ever had; no doubt the full dinner pail caused it to be so. The flower trade was up to expectations in every way. Stock was plentiful enough, prices about as usual at the holidays, and the favorable weather helped trade considerably, also the production of flowers. Some very choice stock was handled, also some that was mighty poor, which had been held back. It was not fit for sale, and considerable of it, particularly carnations, went to sleep on the road from the grower's to the dealer.

Roses were in excellent demand and brought from $3 to $5 per dozen, costing from $15 to $20 per 100. Beauty ranged from $5 to $15 per dozen, and in a few cases a little higher. Meteor were in good demand. Carnations were plentiful; prices at wholesale were from $2.50 to $6, and higher by the dozen from 75c. up to $1.50; very few brought more. Some very fine flowers were to be seen; pink predominated; red was rather scarce. Roman hyacinths and narcissus were abundant, selling at from 75c. per dozen upward. Violets were a little short in supply, and in good demand; but prices were rather high. The stock of Harrisii lilies was limited and sold at good prices; $25 per 100 blooms, retailing at from $5 per dozen up. A few good chrysanthemums were sold at fancy values, but they were not in much demand. Mignonette went well, valley slow, poinsettias were in fair demand. Pansies sold well; a small bunch of about a dozen blooms brought 50c.

Plants went well, due to the mild weather. Blooming plants were scarce. Tulips in pans had a good call. Few begonias were to be had. Ferns, palms and other decorative plants were in good demand. Koenig of Millvale brought in some fine 12-inch pans, filled with tulips, small palms and selaginellas, which were very effective and sold readily at fancy prices.

Christmas trees were good stock this year, brought good prices, and all were sold. A few more carloads could have been disposed of at a profit. Greens were more abundant than ever before; the market was heavily overstocked, particularly with holly. Ground pine wreathing went all right at good prices, but holly wreaths and loose holly sold for what they would bring on Monday. Needle pines and Southern smilax were in fair demand. Sheet moss was scarcer than it ever was before. The quality of the holly was fair, some of it being very finely berried with good foliage, but lots of it were so poor that sales were made at 50c. the case in some instances—not enough to pay freight. Commission men handled holly heavily as well as other greens, which demoralized the market, and gave the florist little chance of making much profit.

E. C. REINEMAN.

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	Bride, 'Maid, fancy—spc'l	15.00 to 20.00
	" extra	8.00 to 12.00
	" No. 1	5.00 to 6.00
	" No. 2	2.00 to 4.00
	K. A. Victoria	3.00 to 10.00
	La France	..... to .....
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	Perle	2.00 to 5.00
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Daisies		.50 to .75
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Carnations	Int'r grades, all colors	2.00 to 3.00
	Standard Varieties White	3.00 to 4.00
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	(*The highest grades of standard var.) Pink	5.00 to 10.00
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	Novelties	10.00 to 25.00
Lily of the Valley		3.00 to 4.00
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" fancy		6.00 to 15.00
Narcissus Paper White		1.50 to 2.00
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New York.

The Christmas Business.

Although a green Christmas, there was perhaps never before such general satisfaction felt among the craft over the result of trade conditions. The weather was all that could be desired.

It was a foregone conclusion that the demand for plants would be enormous, and retailers had bought of these very heavily indeed; and to have a temperature so mild that the most delicate plants could be delivered without wrapping proved a great boon to every one concerned. Never before was there such a large demand for baskets filled with plants in variety. The shape of the basket was not considered of much importance providing the receptacle contained a nice arrangement of plants. Plain hampers, with the lids thrown back, nicely filled, proved among the best sellers. These hampers and birch bark baskets were used in largest quantities, and are, to a great exent, gradually pushing the wicker-work baskets to one side.

Begonia Gloire de Lorraine has been the most popular of all the flowering plants. Ericas have also gone exceedingly well. Ardisias, oranges, poinsettias and azaleas, when of good quality, sold out clean, while for ferns, araucarias and dracænas there was a very big demand.

Not only was the plant trade away above the average, but the cut-flower business was also extensive—very much better than has been experienced for some years. Good stock came high, but no fault was found with the high values, provided the quality was there. The time has gone by, however, when ringers can be counted among American Beauty at $1.50 apiece, or among Bridesmaid roses at 30c. each, and the sooner this fact is realized by the growers who still pursue antiquated methods, the better will it be for the cut-flower trade at Christmas time. Violets were never known to be of better color, and Bridesmaid roses and red carnations were in short supply.

Christmas trees, holly, mistletoe and wreathing had an unprecedented demand.

Among the Retailers.

Chas. Dards reports business well up to the average. Aldred & Co., did an immense trade, baskets of plants going especially well. Alex. McConnell found a large increase in both the plant and cut-flower lines, as did also Wadley & Smythe and The Gallatin Co. The Rosary bought very heavily and cleared out of everything. Scallen had the biggest business in years in both plants and flowers, and J. H. Small & Sons had a trade about double that of former years.

In the wholesale flower districts much annoyance was caused on Monday morning by the late arrival of the roses from Madison. It was almost 1 o'clock when the express wagons began to unload the boxes in 28th Street. This delay on the part of the express company, causing the shipments to be about four hours behind time, was certainly tantalizing, but could have been obviated in a great measure had the shippers sent in the roses when they were ready for market. This would have spread the consignments over four or five days, and a special car on Monday morning would not have been necessary.

There was a good demand for American Beauty, Bridesmaid, Liberty and Meteor roses, also for red carnations and violets. The top price realized for Beauty was $1.50, but no seconds could go in at that figure. The supply proved fully equal to the demand, however. The quantity of the Liberty roses thrown on the market undoubtedly affected the sale of the shorter-stemmed grades of Beauty. Liberty and Meteor sold readily, there being hardly enough to go round. The ruling values were from 50c. each down, according to quality, though a bunch of very exceptional blooms of the former from Ernst G. Asmus brought $1 each. Bride did not meet with the brisk demand experienced by Bridesmaid; of the latter rose every good flower was disposed of. Specials brought 25c. and 30c., extras 15c. to 20c., No. 1s, 8c. to 12c. No. 2s, 5c. to 6c. Where the stock had been held over and become soft and off color, the flowers were sold at any price, some going as low as $2 per 100.

Red carnations were in good demand; G. H. Crane was the best seller, and brought $12 and $15 per 100. Portia realized $6 and $8. There was a fair demand for fancy pink varieties and Mrs. George M. Bradt, and the prices ranged from 12c. to 20c. each, according to length of stem and size of flower. Prosperity brought $3 per dozen; ordinary white and pink kinds fetched from $3 to $5 per 100. Crimson varieties did not meet with such a good call.

Violets were not at all plentiful considering the increased number of plants grown over that of former years. Some flowers arrived that had been kept too long, and of course nobody wanted them at any price for store work. Good violets fetched from $1.50 to $2.50, specials $3, and they cleaned out in good shape.

Cattleyas were plentiful enough to meet the demand, and no advance over last week's prices obtained. The same remark applies to cypripediums. Roman hyacinths and Paper White narcissus were the slowest-selling flowers: $2 per 100 was considered a good price for these, many going for less.

Lily of the valley went fairly well; there was a good supply, but it cleared out nicely. Several grades were on hand. The highest price reached was $5 per 100, the shorter-stemmed stock going at $3 and $4.

Thursday business had about settled down to its ordinary form. Flowers were received only in light quantities, and while the inflated prices of Monday and Tuesday were no longer obtained, stock cleaned out in fair good shape and there was no reasonable excuse for finding fault with the trade conditions. The aftermath relative to sleepy carnations and salted roses is the only bad feature about the holiday trade. Could this practice once be eliminated, the troubles between growers and dealers at holiday times would subside.

American Beauty roses have gone down to the dollar mark for specials; Bridesmaid to 20c. and Liberty to 40c. This seems quite a drop in a few days, but New Year's Day does not count for much in the flower trade any more, and there is nothing to be gained by holding up values. As it is, the supply, while light, is just about equal to the demand, and with few exceptions stock is clearing out. Cattleyas have been quite plentiful all through the week, and 60c. has been the top figure realized for them. Lily of the valley, Roman hyacinths, narcissus and dark-colored carnations are among the stocks that are not moving satisfactorily. Cut fronds of Adiantum Farleyense are going well; as also are violets. The demand for the latter has been unusually good, probably owing to their grand color and fragrance. The excellence of the violets has been commented upon by almost every retailer. Smilax, asparagus, maidenhair fern and mignonette are not needed in any great quantity, owing to the many other seasonable greens obtainable just now. Dealers in Christmas greens are extremely well satisfied with the amount of Christmas business done. There was an excess of holly among dealers on the river front, but the quality was such that the stock could not enter into competition with the grade that the florists generally use, and we are informed that on Christmas eve cases were offered as low as 25c. each.

Jottings.

Ernst G. Asmus has been on the sick list.

President O'Mara is confined to the house through illness.

W. A. Manda, South Orange, N. J., has been ill, threatened with typhoid fever.

The Christmas plant trade was a record breaker.

Secretary Charles H. Royce, of the Eastern New York Horticultural Society, announces that the next annual meeting of that society will be held on February 13 and 14, 1901, at the rooms of the American Institute.

Wholesale Prices of Cut Flowers—Per 100

	Names and Varieties	Boston Dec. 27, 1900	Philadelphia Dec. 24, 1900	Baltimore Dec. 18, 1900	Buffalo Dec. 27, 1900	Toronto Dec. 13 1900
Roses	A. BEAUTY, fancy—special	60 00 to 75.00	125.00 to 135.00	.... to	100.00 to 150.00	50 00 to 75.00
	" extra	40.00 to 50.00	.... to 100.00	35.00 to 40.00	50.00 to 75.0	30.00 to 40.00
	" No. 1	30 00 to 35.0	.... to 75.00	15.00 to 30.0	30.00 to 40.00	20.00 to 30.00
	" Culls & ordinary	8.00 to 20.00	.... to 50.00	8.00 to 16.00	.... to	.... to ....
	Bride, Maid, fancy—spc'l	20.00 to 25.00	.... to 20.00	.... to	.... to	.... to 20.00
	" extra	16.00 to 20.00	.... to 15.00	.... to	.... to 15.00	.... to ....
	" No. 1	10.00 to 14.00	.... to 12.00	6 00 to 8.00	.... to 8.00	10.00 to 15 00
	" No. 2	4.00 to 6.00	.... to 8.00	4.00 to 5.00	.... to	2.00 to 10.00
	K. A. Victoria	4.00 to 12.50	8.00 to 20.00	4.00 to 6.00	10.00 to 20.00	.... to ....
	La France	.. to ..	.... to	4 00 to 6.00	.... to	.... to ....
	Liberty	4.00 to 16.00	20.00 to 40.00	5.00 to 6.00	.... to	10.00 to 15 00
	Meteor	.... to	.... to	4 00 to 8.0	8.00 to 15.00	3.00 to 15.00
	Papa Goutier	.... to	.... to	3.00 to 4.00	.... to	.... to ....
	Perle	.... to	12.00 to 15.00	4.00 to 5.00	5.00 to 10.00	2.00 to 10.00
	ORCHIDS—Cattleyas	.... to	.... to	.... to	.... to	35.00 to 40.00
	Cypripediums	.... to	.... to	.... to	.... to	.... to 15.00
	Dendrobium formosum	.... to	.... to	.... to	.... to	.... to ....
Carnations	Inf'r grades, all colors	1.00 to 3.00	.... to	.75 to 1.25	1.50 to 2.0	.... to 3.00
	STANDARD VARIETIES White	3.00 to 4.00	4.00 to 5.00	1.50 to 2.00	3.00 to 5.00	3.00 to 5.00
	STANDARD VARIETIES Pink	3.00 to 4.00	4.00 to 5.00	1.50 to 2.00	3.00 to 5.00	3.00 to 5.00
	STANDARD VARIETIES Red	3.00 to 4.00	4.00 to 5.0	1.50 to 2.00	3.00 to 5.00	3.00 to 5.00
	STANDARD VARIETIES Yel.&Var.	3.00 to 4.00	4.00 to 5.00	1.50 to 2.00	3.00 to 5.00	3.00 to 5.00
	*FANCY— White	.... to 5.00	6.00 to 8.00	2.50 to 4.00	5.00 to 8.00	.... to 8.00
	(*The highest grades of standard var) Pink	.... to 5.00	6 00 to 8.00	2.50 to 4.00	5.00 to 8.00	.... to 6.00
	(*The highest grades of standard var) Red	.... to 5.00	6 00 to 8.00	2.50 to 4.00	5.00 to 8.0	.... to 6 00
	(*The highest grades of standard var) Yel.&Var.	.... to 5.00	6 00 to 8 00	2.50 to 4 00	5.00 to 8 0	.... to 6.00
	NOVELTIES	6.00 to 8.00	.... to	.... to	.... to	.... to 6.00
	ADIANTUM	.75 to 1.00	.... to 1.0	.. to 1.00	1.00 to 1.50	.50 to .75
	ASPARAGUS	35 00 to 50.00	25.00 to 50.00	25.00 to 75 00	50.00 to 75.00	30.00 to 50.00
	CALLAS	8.00 to 10.00	.... to	6.00 to 10.00	12.00 to 20.00	10.00 to 15.00
	CHRYSANTHEMUMS	.... to	.... to	3.00 to 8.00	.... to	4.00 to ....
	" Fancy	.... to	.... to	10.00 to 20.00	.... to	.... to 25.00
	DAISIES	.... to	.... to	.... to	.... to	.... to ....
	LILIES	10.00 to 14.00	.... to	.... to	20.00 to 25.00	.... to ....
	LILY OF THE VALLEY	2 00 to 4.00	3.00 to 8.00	.... to	4.00 to 5.00	3.00 to 5.00
	MIGNONETTE—ordinary	3.00 to 4.00	.... to	.75 to 2.00	.... to	3.00 to ....
	" fancy	5.00 to 6.00	.... to	.... to	.... to	.... to 6.00
	NARCISSUS	1.50 to 6.00	3.00 to 4.00	.... to	2.00 to 3.00	3.00 to 5.00
	SMILAX	12.50 to 15.00	15.00 to 20.00	10.00 to 25.00	.... to 15.00	20.00 to 25.00
	VIOLETS—ordinary	1.00 to 1.25	1 50 to	.50 to .75	2.00 to	2.00 to ....
	" fancy	.... to 1.50	.... to 2.00	.... to 1.00	.... to 3.00	.... to 8.00

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PAMPHLETS RECEIVED.

THE ROTTING OF GREENHOUSE LETTUCE.—Bulletin 69, Hatch Experiment Station, Amherst, Mass.

PROGRESS IN THE TREATMENT OF PLANT DISEASES in the United States. By Prof. B. T. Galloway. Reprint from Year Book. Department of Agriculture for 1899.

THE BIG TREES OF CALIFORNIA, Bulletin 28, Division of Forestry, Department of Agrostology.—A most interesting pamphlet, profusely illustrated.

TWO DISEASES OF RED CEDAR.—Bulletin No. 21, Division of Vegetable Physiology and Pathology. Department of Agriculture. Fully illustrated.

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Philadelphia.

Best Christmas Yet.

"The best business we ever did" is the answer given by one and all of the retail florists when questioned as to the trade done at Christmas. Monday was a banner day with most of the stores, both as to cash sales and orders. Ideal weather prevailed, so that delivery was easy, no wrapping of plants being necessary.

It is difficult to say what stocks sold best; everything seemed to go well. In cut flowers American Beauty roses, of course, led, and on Tuesday morning some stores had difficulty in obtaining sufficient supplies. On Christmas morning at 5 o'clock Pennock Bros. had already used up more Beauty roses than last year and still had orders for 460 more; but every one was filled before work ceased. Mrs. Pierpont Morgan rose sold much better this year than before; one grower alone sent in 3,000 on the two days. This variety is selling better right along, no doubt due to its being grown better. Golden Gate also found many buyers. Some Liberty sold at $9 per dozen, but they all went. The Floral Exchange obtained $15 per dozen for their new rose, Queen of Edgely, against $10 for their best American Beauty.

Carnations were high, but went off well. Robert Craig & Son averaged $8 per 100 on 1,200 flowers. Many demands were made for cheaper grades, but none was to be had. Double violets were not plentiful, but evidently there was sufficient on hand.

Plant sales were very good; every plant with a few flowers on it sold readily. First on the list was Begonia Gloire de Lorraine, and as this variety has lately been much subdivided, we must place first Edwin Lonsdale's Light Pink Lorraine. Pennock Bros. say, without any hesitation, that they consider it the only variety for the retail florist. The older variety was done this year as well as it possibly could be; still it did not hold its flowers so well as the light pink sort. On Wednesday, plants of both varieties were seen side by side in another store; the Light Pink Lorraine had four to five open flowers on a stem, where the older variety had only two to three; the others had fallen.

Azaleas generally did not prove good plants for so early in the season. Mme. Van der Cruyssen was the best selling variety. Cyclamen went well, as did berried plants. Dracænas were not quite so much called for as in previous years; some of the made-up pots and pans of Dracænas terminalis and Sanderiana, with two small Boston ferns mixed in, took well.

Made-up baskets again found good sale. Joseph Kift & Son did very well with these. A little folder, tastefully gotten up, was sent out a few days ahead and no doubt did much to increase sales of these goods.

As predicted last week, a great amount of green stock was left on hand—holly, lycopodium and laurel. No doubt this can be partly accounted for by the change which many stores made in wreaths. More galax was used, also leucothœ sprays; and many wreaths were made up of a variety of evergreen sprays, with bunches of statice and cones attached. These sold very well. Some large wreaths on easels were made of magnolia leaves, and were in demand for cemetery work.

Christmas of 1900 was a good one, and has furnished food for talk for some time to come.

A Happy New Year to all.

DAVID RUST.

Providence, R. I.

A Satisfactory Christmas.

The general outcome of business for Christmas was entirely satisfactory. In some instances the quality of the flowers was a little off, showing that their stay in the cellars prior to Christmas, waiting for the big prices, was too much for them. Values never ruled higher than they did this year, and it was harder to do business, for people had to have this advance in prices explained to them before they would buy, and in many cases they did not buy gifts at the florists'.

The public here is not educated to paying from $1 up per dozen for carnations and $3 and $4 per 100 for violets, and in every case the retailer is held responsible for the increased price. More business, I think, could be done before and after the holidays were prices more uniform.

There was a good supply of everything, even to violets, which had been reported almost a failure; still there was not the quantity sold, owing to high prices. The plant trade was equal to, if not ahead of, last year's. Azaleas sold better than any other plant, notwithstanding they were soft and wholly unsuited for house culture. Next came cyclamen, primroses, Jerusalem cherries and oranges—in fact, flowering and fruited plants sold well. There was more holly than ever disposed of this year, and none left over. It was practically cleaned out Saturday night.

The weather was remarkable for this time of year; there was no snow and no frost to interfere with delivery of plants, effecting a great saving to the florists.

In the midst of all the extra business this week, there was a lot of funeral work to get out. Reports are that all the florists had more or less of it to do.

The death was announced last week of William H. Wing in this city. He was formerly in the florist business here, having a store in College Street. M. A.

Tarrytown, N. Y.

The second annual dinner of the Tarrytown Horticultural Society was held in the Florence Hotel on Thursday evening last. About 70 persons sat down to dinner, and almost two hours were spent in getting from the oysters to the ice cream. This done, President Turner called upon the newly elected officers for a few words, and each in his turn responded briefly. The election of officers for the ensuing year had been held earlier in the evening, with the following result: President, J. W. Smith; vice-president, William Scott; secretary, Thomas Cockburn; treasurer, E. W. Neubrand; recording secretary, E. Martin.

William Scott acted as toastmaster, and the balance of the night was given up to enjoyment in the form of speeches and music. Mr. Taaffe rendered some solos on the cornet, and Mr. White vocal solos. Short talks were given by W. Gomersall, Mr. Lynch, J. W. Withers, T. Withers and J. I. Donlan. Mr. Mooney gave a clever Irish sketch of the skill required by a gardener, and showed that the art of painting a piazza and building a picket fence was considered by some of the craft as essential. The Tarrytown show was mentoned by several of the speakers, and only complimentary remarks were heard thereupon, and deservedly so. The society, though only two years old, now has 95 members in good standing, and is able to put up one of the best shows in the country.

Port Chester, N. Y.

The annual meeting of the Westchester County Gardeners' Association was held Saturday evening, December 22, when the following officers were elected for 1901: President, Robert Williamson; vice-president, Andrew Grierson; treasurer, John Fraser; secretary, Edward Parker; executive committee, John Shore, William Smith, George M. Hay, William Anderson and Thomas France. It was voted to hold the annual dinner of the society in the near future. During the evening speeches were made by the retiring president, John Shore; by ex-President Peter McDonald, of the New York Gardeners' Society, who congratulated the association on its progressiveness, and by President-elect Robert Williamson, who urged the coöperation of the members in assisting him to further the interests of the society during the fifth year of its existence.

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Wholesale Prices of Cut Flowers—Per 100

Names and Varieties	Chicago Dec. 19, '00	St. Louis Dec. 17, '00	Cincinnati Dec. 18, '00	Milwaukee Dec. 20, '00	Pittsburg Dec. 11, '00
A. BEAUTY, fancy—special	90.00 to 100.00	.... to 100.00	.... to	100.00 to 120.00	35.00 to 50.00
Roses " extra	75.00 to 80.00	65.00 to 80.00	.... to	50.00 to 75.00	20.00 to 30.00
Roses " No. 1	40.00 to 50.00	25.00 to 50.00	.... to	25.00 to 35.00	10.00 to 15.00
Roses " Culls & ordinary	25.00 to 30.00	6.00 to 16.00	.... to	10.00 to 20.00	4.00 to 6.00
Roses Bride, Maid, fancy-spec'l	12.00 to 15.00	.... to	8.00 to 15.00	.... to 15.00	8.00 to 10.00
Roses " extra	8.00 to 10.00	10.00 to 15.00	8.00 to 12.00	.... to 10.00	5.00 to 7.00
Roses " No. 1	5.00 to 7.00	.... to 12.50	6.00 to 8.00	.... to 8.00	3.00 to 4.00
Roses " No. 2	.... to	.... to 8.00	4.00 to 6.00	.... to 5.00	1.50 to 2.00
Roses K. A. Victoria	12.00 to 15.00	.... to 8.00	.... to	10.00 to 15.00	.... to ....
Roses Liberty	12.00 to 18.00	.... to	.... to	10.00 to 15.00	3.00 to 10.00
Roses Meteor	12.00 to 15.00	12.50 to 18.00	6.00 to 12.00	10.00 to 15.00	3.00 to 10.00
Roses Perle	8.00 to 10.00	8.00 to 12.00	4.00 to 6.00	10.00 to 15.00	3.00 to 6.00
ORCHIDS—Cattleyas	.... to	.... to	.... to	.... to	.... to ....
Cypripediums	.... to	.... to	.... to	.... to	.... to ....
Carnations Inf'r grades, all colors	2.00 to 3.00	2.00 to 3.00	.... to	3.00 to 4.00	1.00 to 1.25
Carnations STANDARD VARIETIES White	3.00 to 4.00	4.00 to 5.00	.... to 3.00	3.00 to 4.00	1.50 to 2.00
Carnations STANDARD VARIETIES Pink	4.00 to 5.00	4.00 to 5.00	.... to 3.00	3.00 to 4.00	1.50 to 2.00
Carnations STANDARD VARIETIES Red	4.00 to 5.00	4.00 to 5.00	.... to 3.00	3.00 to 4.00	1.50 to 2.00
Carnations STANDARD VARIETIES Yel. & Var.	4.00 to 5.00	4.00 to 5.00	4.00 to 5.00	4.00 to 6.00	1.50 to 2.00
Carnations *FANCY— White	5.00 to 8.00	2.50 to 6.00	4.00 to 6.00	4.00 to 6.00	2.00 to 3.00
Carnations *FANCY— Pink	6.00 to 8.00	2.50 to 6.00	4.00 to 6.00	4.00 to 6.00	2.00 to 3.00
Carnations (*The highest grades of standard var) Red	6.00 to 8.00	2.50 to 6.00	4.00 to 6.00	4.00 to 6.00	2.00 to 3.00
Carnations (*The highest grades of standard var) Yel. & Var.	6.00 to 8.00	2.50 to 6.00	4.00 to 6.00	4.00 to 6.00	2.00 to 3.00
Carnations NOVELTIES	.... to	.... to	.... to	7.00 to 8.00	.... to ....
ADIANTUM	1.00 to 1.25	1.00 to 1.50	.... to 1.00	.75 to 1.00	.75 to 1.00
ASPARAGUS	50.00 to 75.00	.... to	.... to	40.00 to 60.00	35.00 to 75.00
CALLAS	10.00 to 12.00	.... to	.... to	12.50 to 15.00	.... to ....
CHRYSANTHEMUMS	10.00 to 12.00	.... to	.... to	.... to	10.00 to 15.00
CHRYSANTHEMUMS " Fancy	15.00 to 25.00	.... to	.... to	.... to	20.00 to 25.00
DAISIES	.75 to 1.50	.... to	.... to	.... to	.... to ....
LILY OF THE VALLEY	4.00 to 5.00	4.00 to 5.00	.... to 4.00	.... to	.... to ....
MIGNONETTE—ordinary	2.00 to 6.00	.... to	.... to	.... to	.... to ....
NARCISSUS	3.00 to 4.00	3.00 to 4.00	.... to 3.00	.... to	2.00 to 3.00
SMILAX	12.00 to 20.00	12.50 to 15.00	.... to 15.00	12.50 to 15.00	10.00 to 15.00
VIOLETS—ordinary	1.00 to 1.50	2.00 to 2.50	1.00 to 2.00	.... to 1.50	.... to ....
VIOLETS " fancy	2.00 to 3.00	.... to	.... to 2.50	2.00 to 2.50	.... to ....

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Chrysanthemums in Chicago 1900.

The chrysanthemum is still Autumn's Queen in this city and has once more told her story, which we will try in our own way to record, solely from a market point of view.

So far as one can judge, without actual statistics, the number and varieties grown and the quantity produced have not varied greatly from those of last year.

Major Bonnaffon, yellow, and Ivory, white, are still the varieties most commonly met with. Either kind is grand when at its best, and when among the smaller and cheaper flowers, is always shapely. The former this year appeared early in November and at writing the end of the first week in December, is still strongly in evidence as smaller, late blooms.

It will be a long time, with sales as good as those yet experienced, before the smaller growers will think of giving up the chrysanthemum; and the large growers, those, say, who cultivate from 20,000 to 40,000 plants each, and who complain of too low prices, show no signs yet of quitting, or even of growing a less number. There is little talk heard nowadays about the chrysanthemum season killing trade in other lines of stock. The flower comes in in its own good time, creates a boom and demand exclusively its own; fills a niche after Summer dullness, and before the Winter season for flowers fairly begins, distributing big sums of money among a very large number of growers, most of the wholesale men and every retail florist in the city.

Another feature worthy of notice is that so far the big specialists have left the chrysanthemum alone. This is in favor of the growers of mixed stock and the smaller florists generally. There is some danger and some talk, however, that the specialists, too, want a finger in the pie. Common sense would seem to point out that a short-season flower can never bear an extraordinary increased output without touching the danger line of profits—if the chrysanthemum is not already there, from a grower's point of view.

There were on the market this year fewer strictly high-grade flowers. The hot months of September and October were supposed to be responsible, in part, for this condition, especially early in the season. But is there not another reason, and that the visible falling off in the growing for, or at least exhibiting at, the flower show, and concentrating efforts on the cultivation of stock for market purposes alone? Every successful competitive flower show is a great stimulus in the production of high-grade stock and worthy of consideration along this line.

Prices this year were not greatly different from those of last, touching, for a limited number only, $4 to $5 per dozen, first on October 16 for blooms of Soleil d'October, and that simply because these were the first fine flowers to arrive; and, again, when a few dozens of Col. D. Appleton, fancy, Wanamaker, W. H. Chadwick, Golden Wedding and possibly a few others about show time made their appearance. It was, however, positive at the time that the call for extras would not have held at that price if, say, hundreds had been on the market instead of dozens. A price of $3 to $3.50 seemed the ruling rate for the best blooms, and they had to be good to bring that figure. Very good flowers, and by far the larger quantity, sold at from $1.50 to $2 down to 50c. and 75c., and even lower. Curiously enough, few of the two varieties grown most extensively—Bonnaffon and Ivory—went above $2.50; but then they were not fancy flowers when compared to the general run nowadays.

From this year's experience, except next year should turn out better, it would seem that growers will have to calculate upon the $3 limit for the bulk of the flowers sold worth talking about and from that down. There is to be recorded this year, and which can hardly be said of any other flower grown, that during the entire season practically every chrysanthemum bloom sold at some price, however poor the quality.

Last year we estimated an average price of 12c. each; it is doubtful if this figure was reached the present season. But even were 10c. the average, at the very least $100,000 worth of flowers were disposed of. The varieties best known in this market and grown in quantity were: In white, Lady Fitzwygram, Merry Monarch, Mrs. H. Robinson, Ivory, Mrs. Jerome Jones, Minnie Wanamaker, George S. Kalb, W. H. Chadwick, Merry Christmas, Fee du Champsaur and White Maud Dean. In yellow, Yellow Fitzwygram, Marion Henderson, Mrs. O. P. Bassett, Major Bonnaffon, Golden Wedding, H. W. Rieman, Yellow Queen, Modesto, Mrs. J. G. Whildin. In pink, Glory of the Pacific, Marquis de Montmort, Mrs. E. G. Hill, Mrs. Perrin, Maud Dean, Miss A. L. Dalskov, Viviand-Morel and Mrs. S. J. Murdock.

Among other kinds seen here in greater or less quantities are W. H. Lincoln, Mayflower, white and yellow, Modine, Autumn Glory, Philadelphia, Eugene Dailledouze, George W. Childs, Modesto, Mrs. Weeks, Solar Queen, Xeno, Goldmine, Australian Gold, Yellow Monarch, Lavender Queen, Mme. F. Bergmann, Black Hawk, Frank Hardy, Nyanza, Nagoya, The Queen, Nivens, H. Hurrell, Rustique, Defender, John Shrimpton and C. W. Johnson. Some of the still favorites for market purposes date pretty well back; among these, for example, are Lincoln and Wanamaker from 1890; Viviand-Morel, 1891; Childs, Ivory, Mrs. Jerome Jones, Maud Dean, 1892; Golden Wedding, Mrs. Robinson and Bonnaffon, 1893; Dailledouze, E. G. Hill, 1894; Mrs. Robinson, Rieman, Mrs. Weeks, Marion Henderson, Glory of the Pacific, 1895; Modesto, Mrs. Perrin, Pink Ivory, Yellow Monarch and George S. Kalb, 1896.

Of market pot plants there was about the same quantity grown as last year. Sales were not especially brisk. There is, however, always a notable demand in the heart of the chrysanthemum season, particularly during show week and the week following, when the papers talk up the flower. There is also a growing use of the best pot plants by the large dry goods and other stores in their window decorations. EDGAR SANDERS.

Chrysanthemums at Grand Rapids

The supply of chrysanthemums this year has been much greater than any previous season, with prices so low as to discourage so large a planting for next year. Those who were fortunate enough to have a good cut real early got good prices, but immediately after that values dropped to so ridiculously low a figure as hardly to pay the expense of cutting and shipping, to say nothing of the growing. The grade of early flowers which last year brought 8c., this season, until just before Thanksgiving, brought 1c. to 1½c. a piece. At Thanksgiving the average price obtained was about 25 per cent. less than last year.

The varieties most in demand were for early Mme. Bergmann and Glory of the Pacific. Next comes that fine large yellow, Soleil d'October; then, for mid-season, Major Bonnaffon, yellow, Ivory and Robinson, white and pink. For Thanksgiving and later, W. H. Chadwick, Western King and Jerome Jones for white; Bonnaffon and H. W. Rieman for yellow, and Murdock for pink.

Many other varieties are grown which, while they sell, have to be pushed; while such sorts as Ivory, Bonnaffon, Chadwick, Western King, Murdock, Jerome Jones and Rieman sell on sight. We do not mean to say that no other varieties well grown will not sell, but what is the use of growing a great many kinds when a few of the best would suffice? Why grow weak-necked varieties such as Carnot? At least some come that way when more than one flower is grown to a stem. Morel and Hill are apt to come too light. Take it all together, it is preferable to grow a variety that has the best color in its class, is certain to produce a good flower and is a known good seller.

Exhibitions have been dropped in this locality, simply because the public took little interest in them.

The best 12 chrysanthemums for exhibition in this locality I should judge would be W. H. Chadwick, Major Bonnaffon, Western King, Golden Wedding, Jerome Jones, Mayflower, Modesto, George W. Childs, Chito, Mme. Carnot, Helen Bloodgood, Jeannie Falconer and Murdock. In best six we have W. H. Chadwick, Golden Wedding, Bonnaffon, Chito, Western King, Mayflower. For best vase of yellow, Bonnaffon; white, W. H. Chadwick; pink, Murdock; red, George W. Childs; bronze, Hicks Arnold. Six specimen plants: L. Canning, Mrs. Perrin, The Queen, George S. Conover, The Bard and Miss M. Johnson. Three specimen plants: The Bard, L. Canning and George S. Conover. One specimen plant: L. Canning.

Best 12, if of one variety: Mrs. Robinson or Bonnaffon; if 12 varieties: Mrs. Robinson, Bonnaffon, Jeannie Falconer, Solar Queen, Mrs. Perrin, Mayflower, Charles Davis, Mutual Friend, Western King and Mrs. Reynolds, all of which can be grown under two feet in 6-inch pots.

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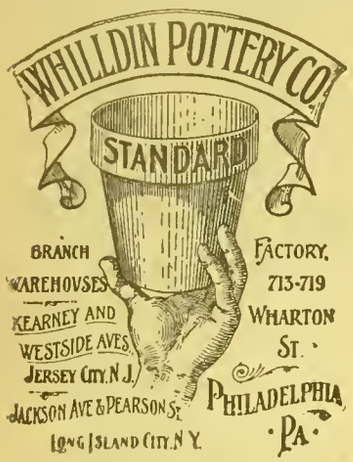

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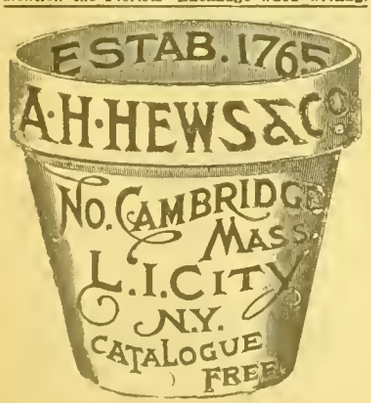

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BORDEAUX NOZZLE

used on "World's Best" Spraying Outfits. Cut shows our patent KEROSENE Knapsack SPRAYER Makes Emulsion while Pumping.

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THE DEMING CO., SALEM, OHIO.
Twelve varieties of Sprayers. PUMPS OF ALL KINDS. Write us or our Western Agents, Henion & Hubbell, Chicago, Ill.
Catalogue and Formulas Mailed FREE.

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Chicago.

Christmas Trade.

Up to the Saturday preceding Christmas almost perfect weather was experienced, to the delight of the florists. Saturday and Sunday there came a small blizzard, with rain and flurries of snow. Monday opened up better, with no indications of extreme cold. So far we have had but little Winter weather in this locality.

At this writing we cannot fully tell the story of the Christmas trade, particularly with respect to the retail men. The wholesalers have had all they could attend to. The only question with them was the securing of the right grades for their fancy trade and out-of-town orders. Shipping trade began Thursday, continuing through Friday, Saturday and Sunday and even until Monday. Home buyers held off somewhat until Saturday and Monday, which is always true of the outlying retail florists, who are in hope of picking up bargains, as the business coming their way is of the cheap order.

In roses, stock on the whole was not up to the usual high standard except, perhaps, American Beauty, which were good, fairly plentiful, and for which there was a brisk demand. The supply of Bride and Bridesmaid was below the call, especially of good, clean, fresh stock. For extra fancies prices were well maintained, and it did not take a particularly high grade to fill the bill. For old stock, and that otherwise of poor quality, shippers will not get very satisfactory returns. Meteor were none too plentiful; of Liberty, none was showing in the open market. Obtainable supplies of the latter and of Marquis de Litta are sent direct on order. In carnations, whites were least called for, all good pinks and red cleared off, a few fancy Mrs. Thomas W. Lawson, at Bassett & Washburn's, with stems rather short, but flowers grand, brought $18 per 100. Mrs. Frances Joost is now coming in of much better quality. Indeed, carnation stock generally is improving.

Chrysanthemums, of which few were in the market, brought for the best $3 per dozen; there was but a limited quantity of this grade, however.

A few sweet peas were in, also lilies; the latter sold readily at $3 per dozen.

Of violets there was no great stock, the best quality selling at $3 to $4; common at $2. Poinsettias were scarce and many sold out of them before the holidays at $3 to $4 per dozen. Plenty of Romans and Paper White narcissus were on hand; some of these may be left over. Valley was none too plentiful and had a good call.

Greens at first hands were well cleared out. Lycopodium touched 15c. per pound. Of holly but little was left, an immense quantity being sold. Mistletoe was in good demand. There was a big sale of Christmas trees.

Of the plant trade we cannot speak until next week. Begonia Gloire de Lorraine cut quite a figure this year. A few heaths, some good primulas of both sinensis and the improved obconica varieties were in evidence. Azaleas were not very plentiful, those in flower meeting with good sales.

Birch baskets in a number of designs were seen in large quantities.

Round About.

John Zeck, the past week, lost a fine boy, who died of scarlet fever.

George Stollery was presented on the 17th with another son; mother and baby are doing nicely.

James Hartshorne has named a delicate pink carnation after the writer. The variety has the true fragrance of the old clove pink. Ess.

J. L. Elliott's Pure Pulverized Sheep Manure and Pure Raw Bone Flour.

Prepared especially for florists' trade, ground fine will give immediate results. Guaranteed to be pure Send for sample and price to be convinced.

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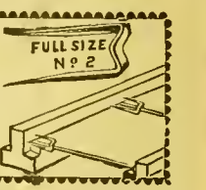

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SEND FOR OUR SPECIAL GREENHOUSE CIRCULAR

THE A. T. STEARNS LUMBER CO.
NEPONSET, BOSTON, MASS.

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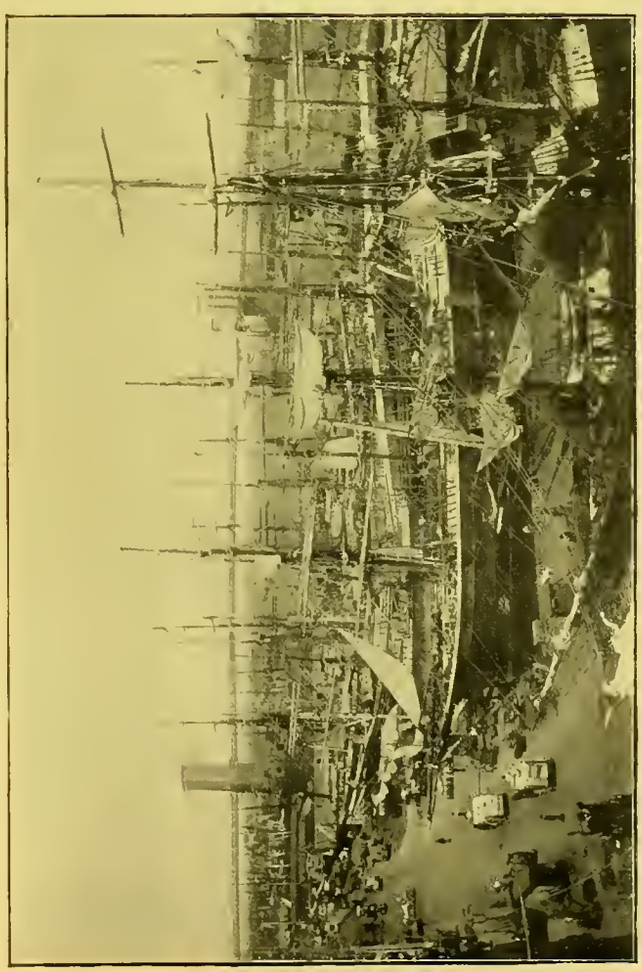
Some Interesting Views of Greater New York



New York City by Moonlight

[Courtesy and by permission of the Central Bureau of Engraving, 157 William St., N. Y. City.]



Shipping in the East River, New York

The Brooklyn Bridge in the distance.

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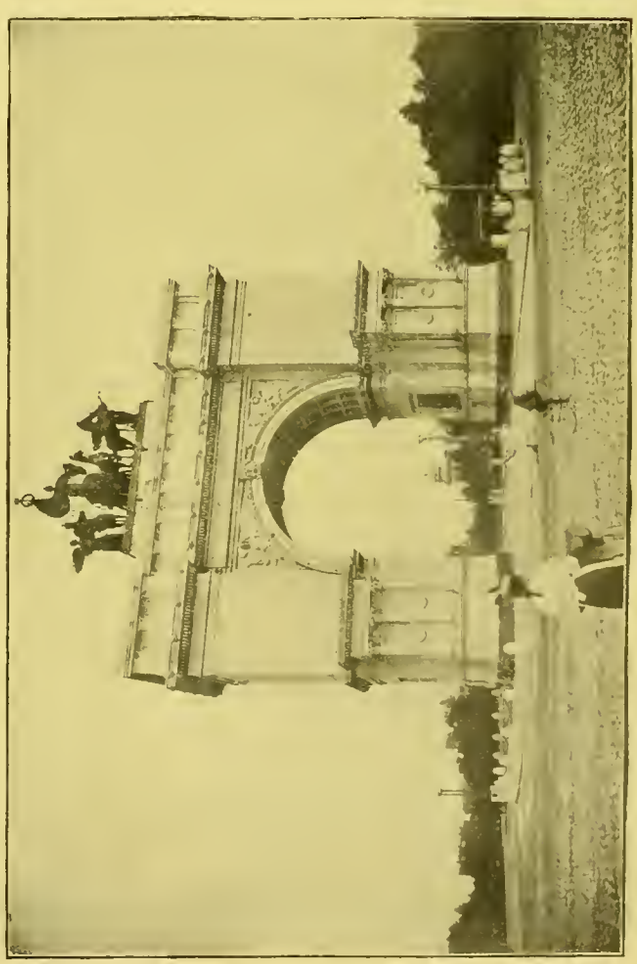

Soldiers' Memorial Arch, Prospect Park Plaza, Brooklyn.

At the main entrance to the Park—one of the most imposing monuments in the country.

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Bethesda Fountain, Central Park, New York.

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The Famous "Vale of Cashmere."
Prospect Park, Brooklyn.

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Brooklyn Bridge—Looking toward Brooklyn.

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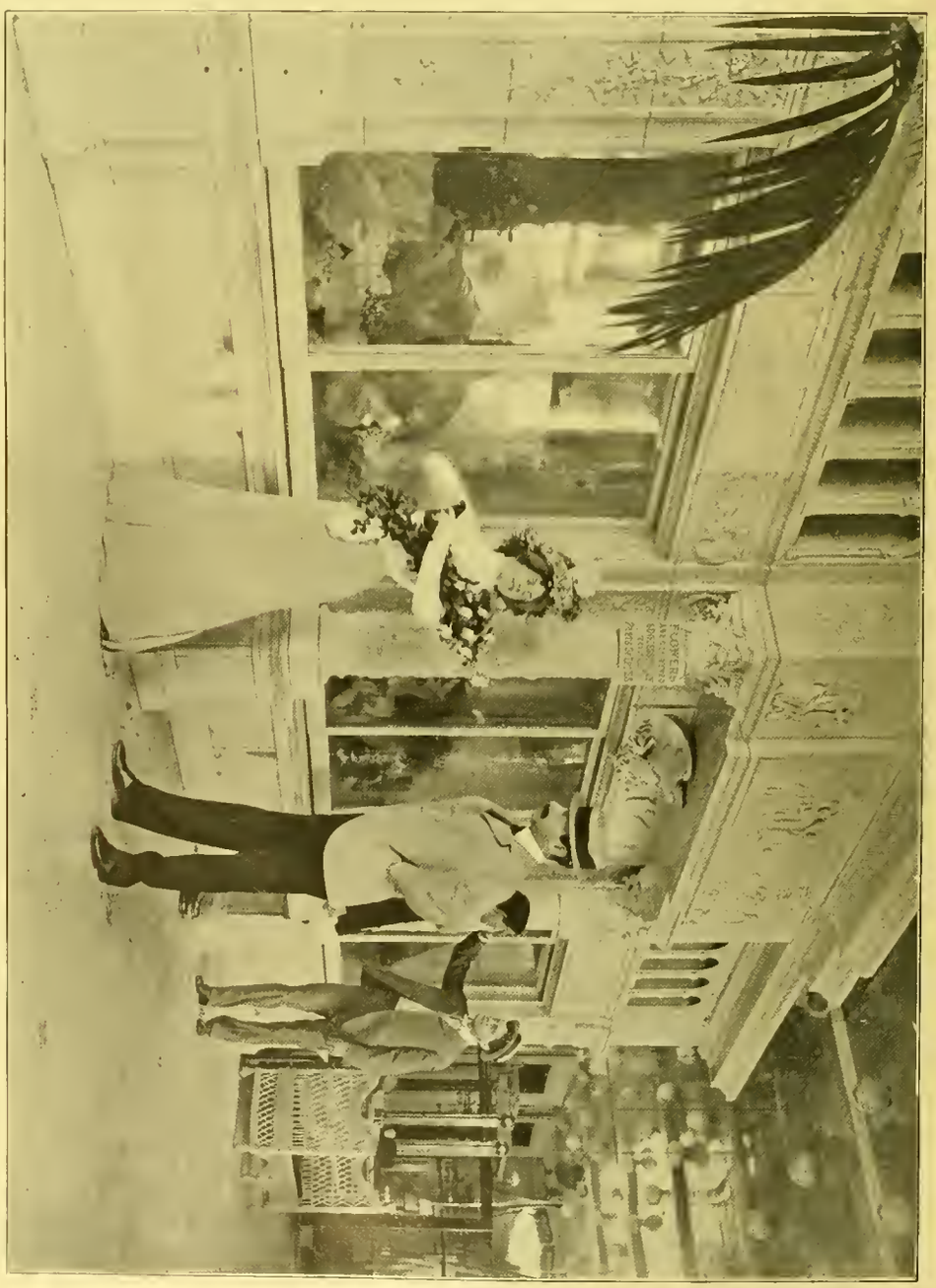

Interior of One of New York's Show Retail Flower Stores.



Boulevard and Cycle Path, Brooklyn.
From Prospect Park, six miles away to Old Ocean.
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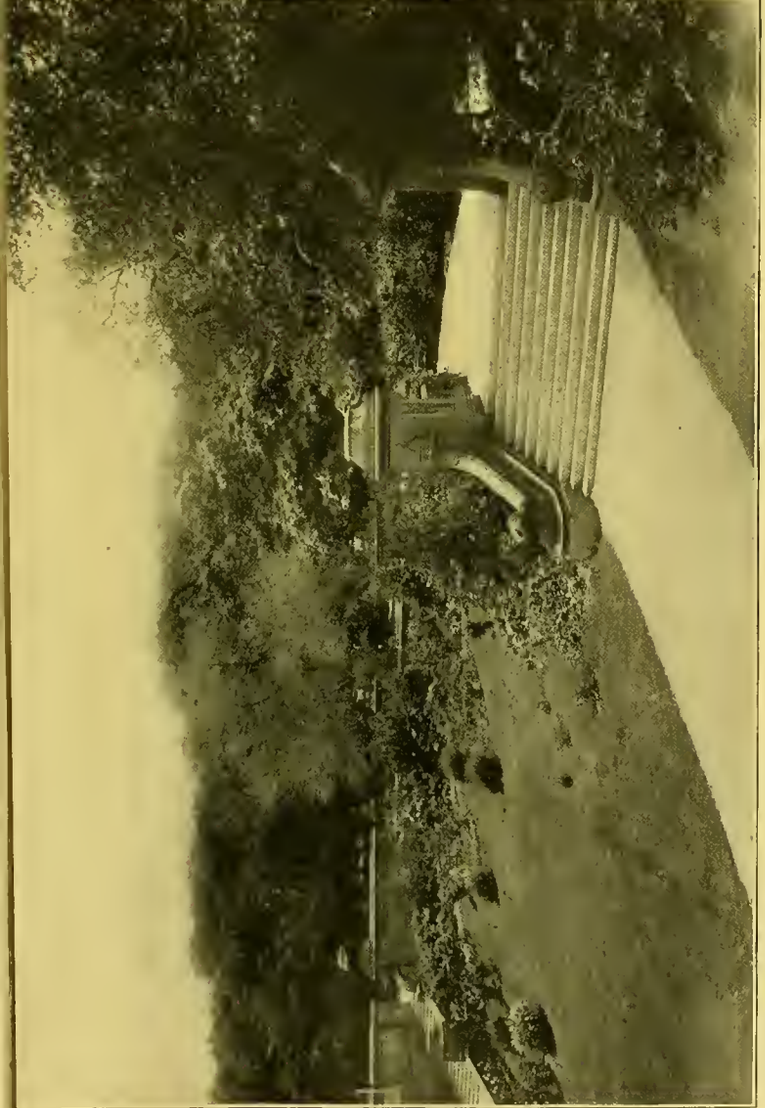
The 13 Gum Trees planted by Alexander Hamilton, in 1803, to symbolize the 13 Original States of the Union. 143d Street and Convent Av



An Approach to "The Terrace," Central Park.



Close by is "Harlem Mere," Central Park.



City Hall and Printing House Square New York.

The entrance to the Brooklyn Bridge is directly opposite the east side of City Hall, and the offices of the FLORISTS' EXCHANGE, at Rose and Duane Sts., are but three minutes' walk from the Bridge entrance.

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Harlem Mere, Central Park, New York.



A Vista in Riverside Park, New York.

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